

REGULAR INSTALLATION AND THAR-ONE-KHY2

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE		YEARS	Vehicle functions supported in this diagram (functional if equipped) I												
			Immobilizer bypass	T-Harness	RAP Disable	Horn	Lock	Unlock	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status
KIA															
Rio		2012-2015	•	•	•	•	•	•	•	•	•	•	•	•	•
Rio 5		2012-2015	•	•	•	•	•	•	•	•	•	•	•	•	•

	BYPASS FIRMWARE VERSION <div style="text-align: center; font-size: 24px; font-weight: bold;">76.[60]</div> HYUNDAI/KIA MINIMUM		To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		32	5	D.k Blue (Ground Out): Arm / Rearm

T-HARNESS CONECTION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+ Start 2 (E1)

	IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	A11	OFF	Hood trigger (Output Status).

Parts required (Not included)	PAGE
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WIRE TO WIRE DIAGRAM		
AUTOMATIC TRANSMISSION	2x Diodes	Page 3
MANUAL TRANSMISSION	2x Diodes	Page 4

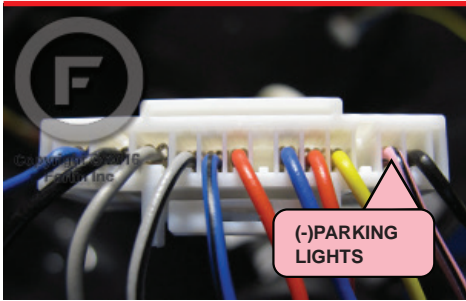
THARNNESS DIAGRAM		
THARNNESS THAR-ONE-KHY2	AUTOMATIC TRANSMISSION	Page 5
THARNNESS THAR-ONE-KHY2	MANUAL TRANSMISSION	Page 6

MANDATORY INSTALL * HOOD PIN HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.	A11 OFF	SECURITY STICKER Included	Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.	THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.
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DESCRIPTION

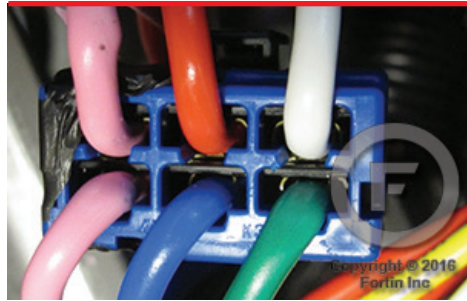
At light switch

2



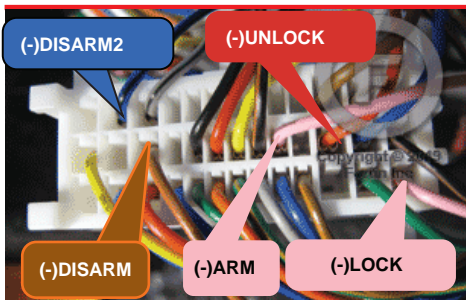
Ignition Harness

3



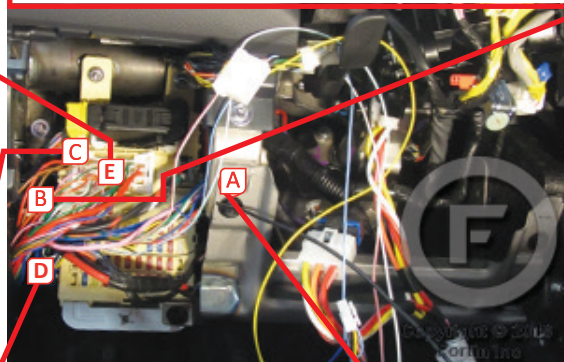
Driver kick panel

4



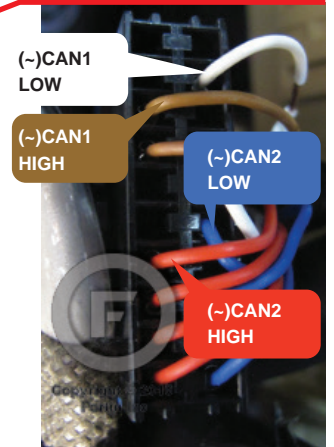
Fuse box

1



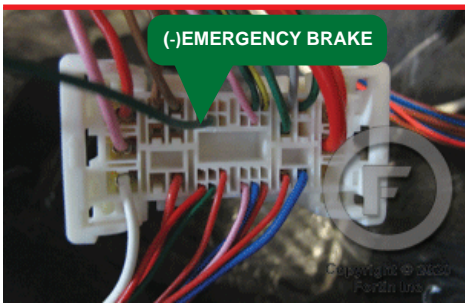
CAN junction box

1



Fuse box

1



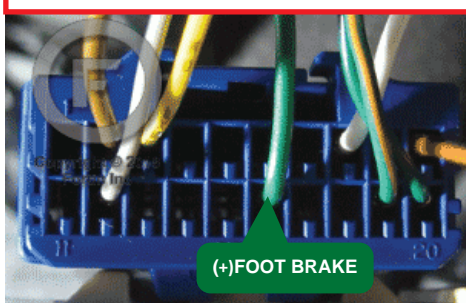
Back of fuse box

1



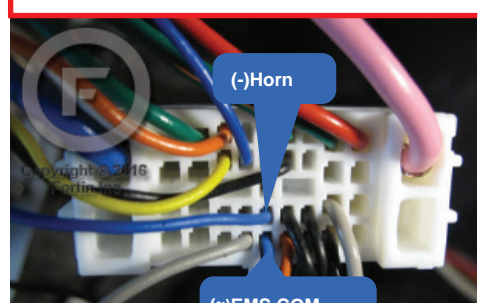
Back of fuse box

1

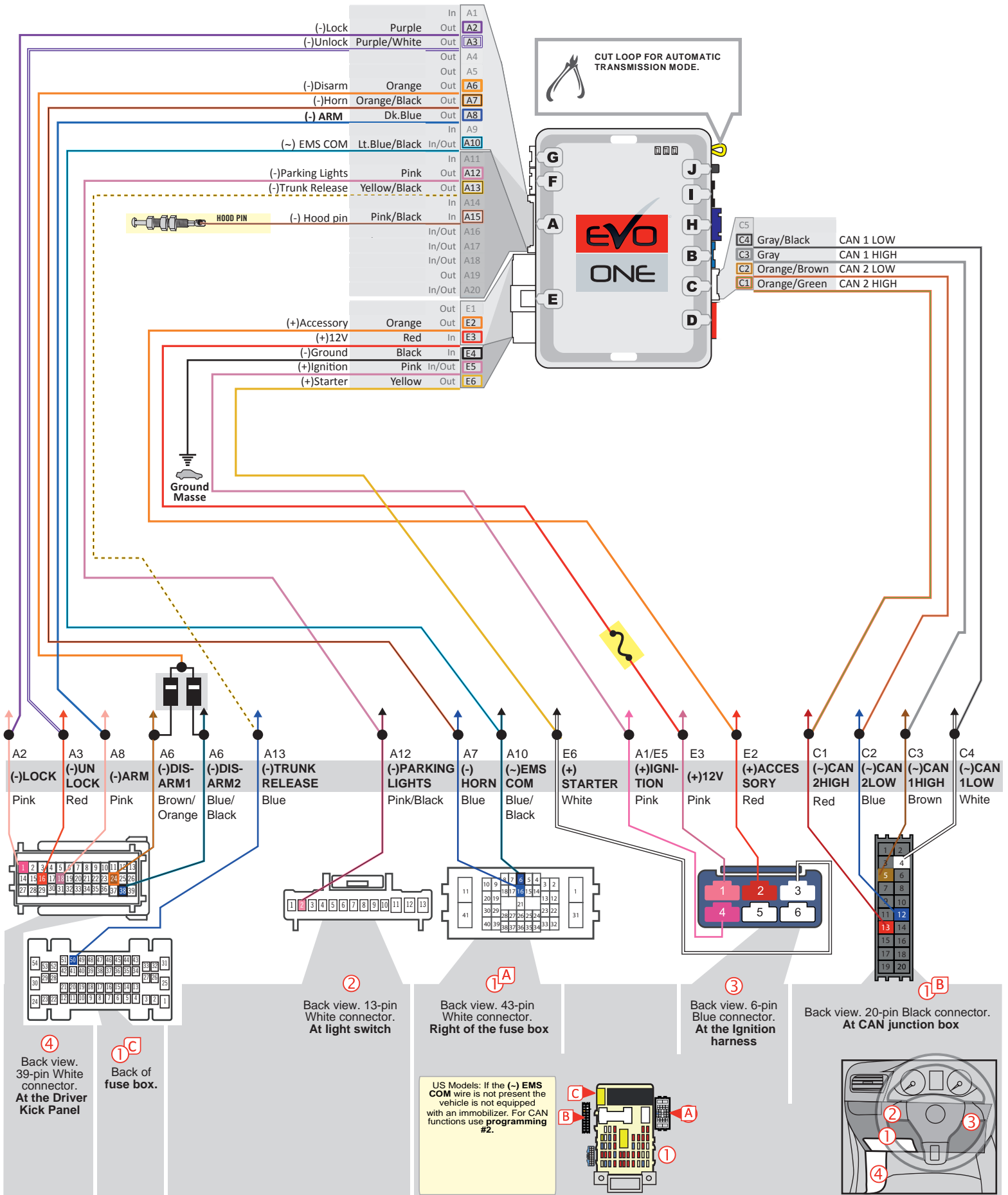


Fuse box

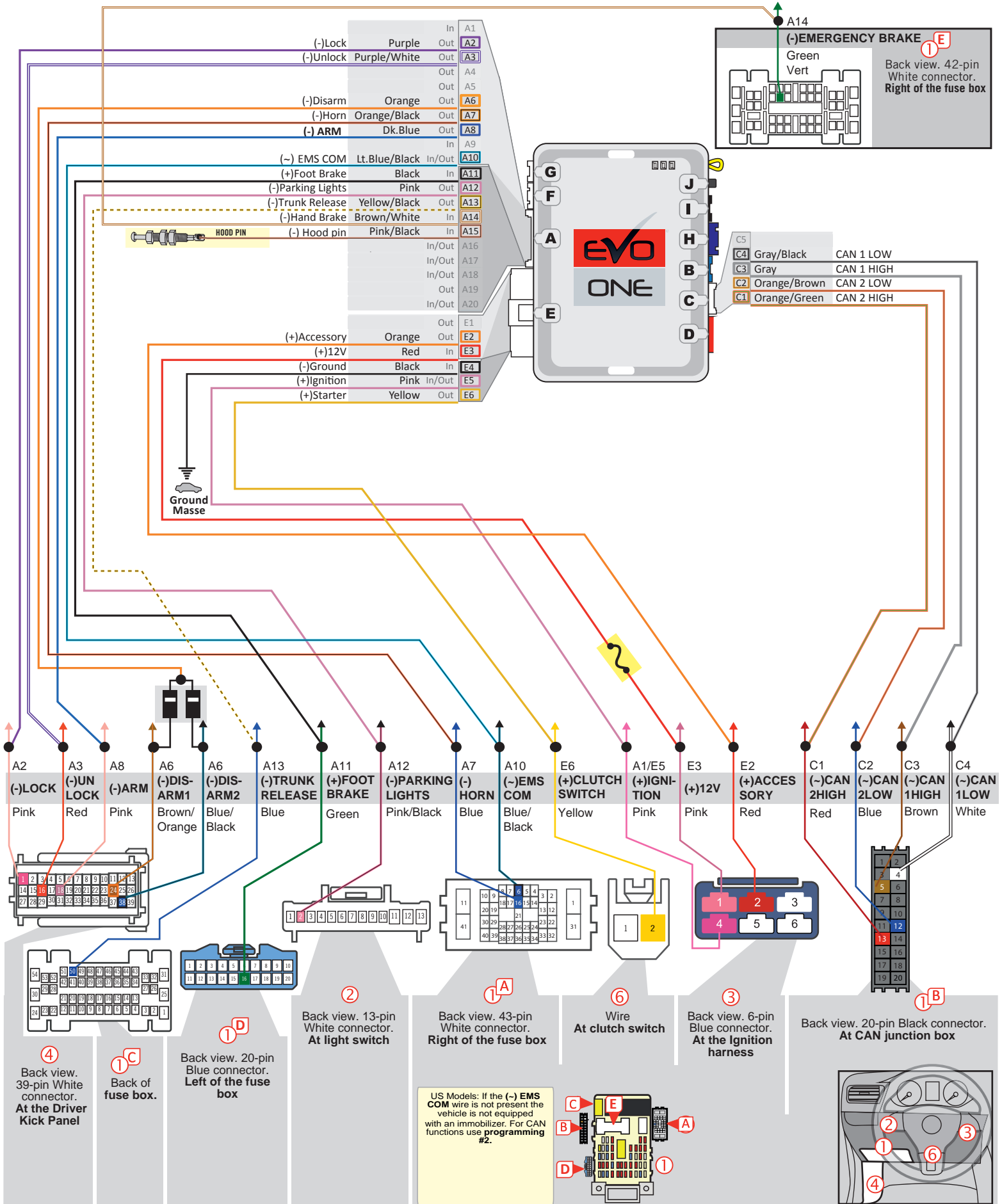
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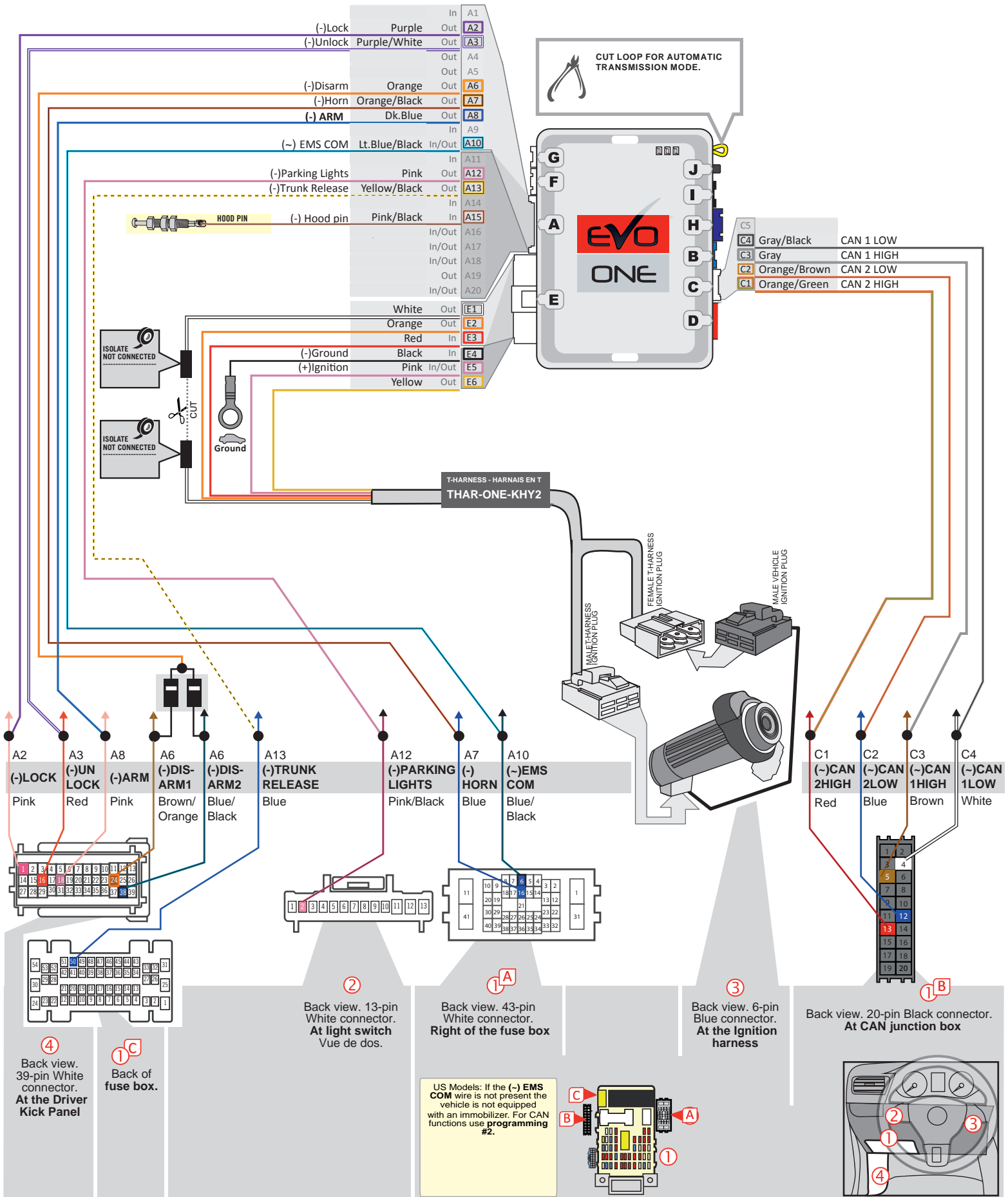
AUTOMATIC TRANSMISSION WIRING CONNECTION |



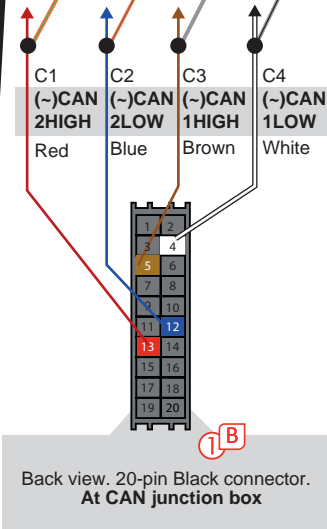
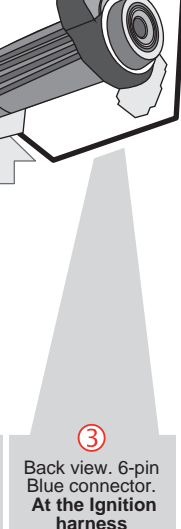
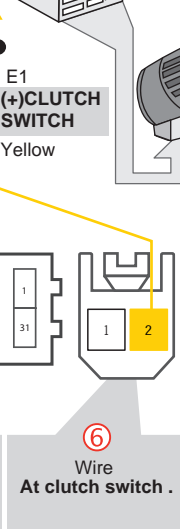
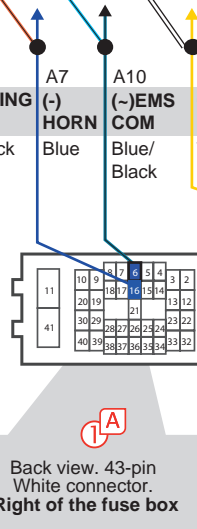
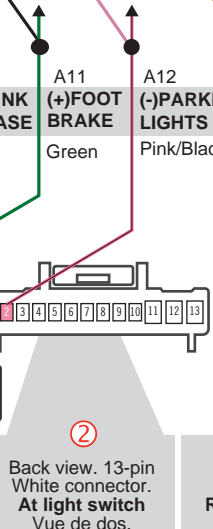
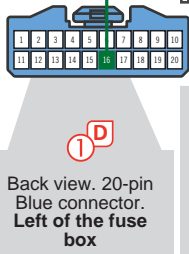
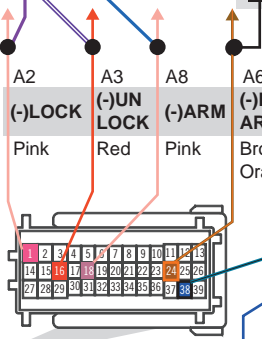
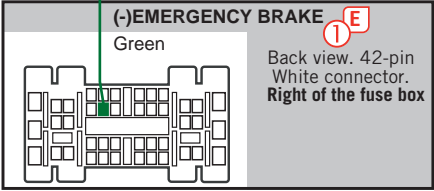
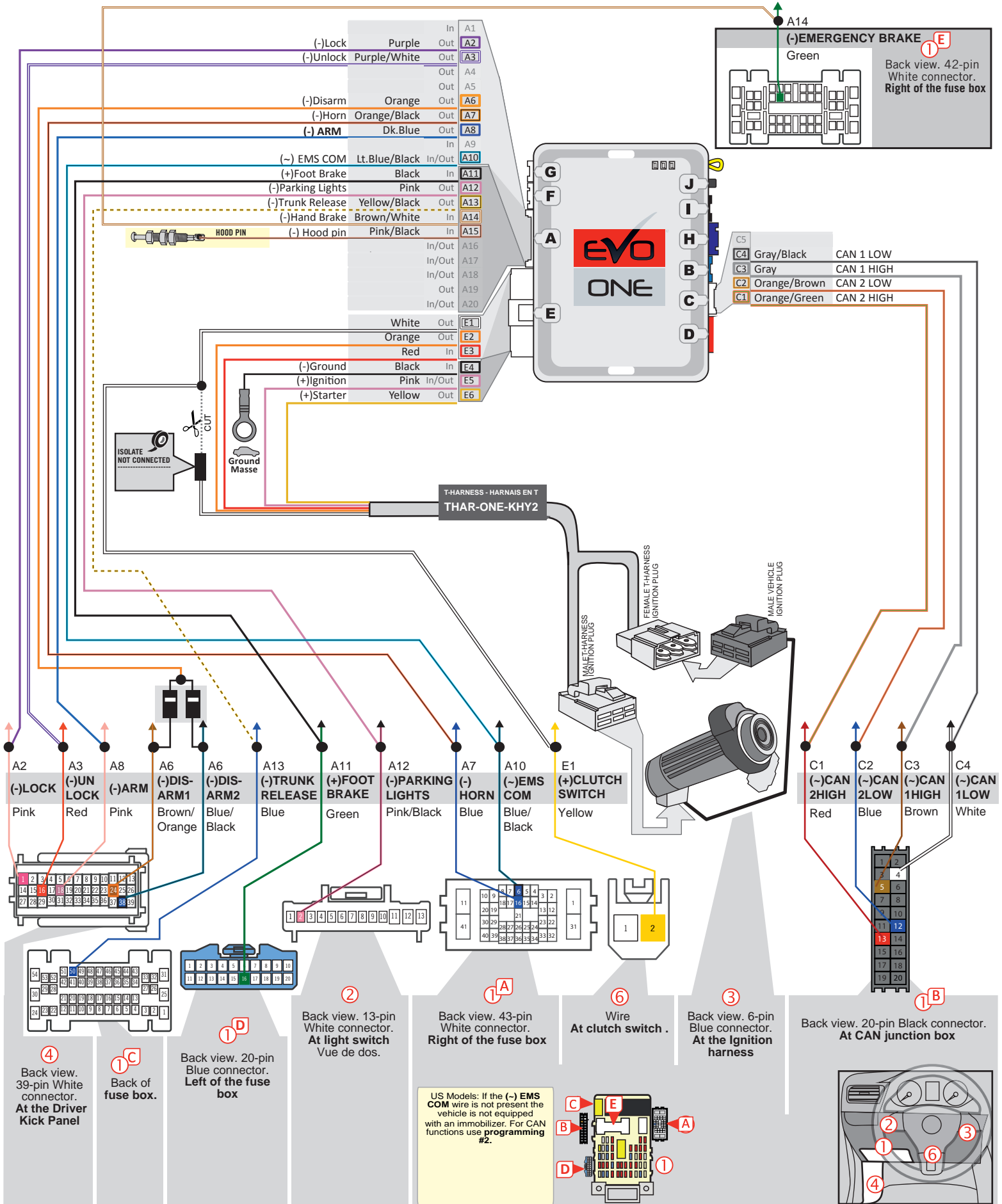
MANUAL TRANSMISSION WIRING CONNECTION |



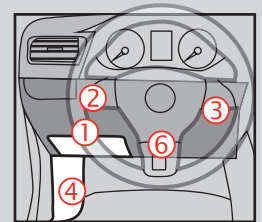
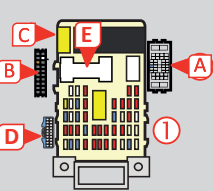
THAR-ONE-KHY2 | WIRING AUTOMATIC CONNECTION |



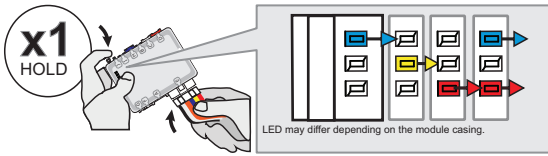
THAR-ONE-KHY2 | WIRING MANUAL CONNECTION |



US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.



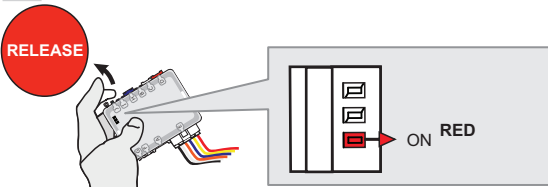
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

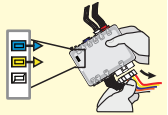
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

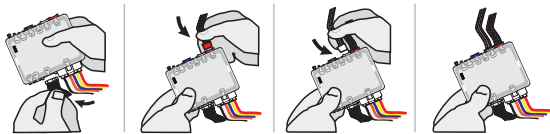


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

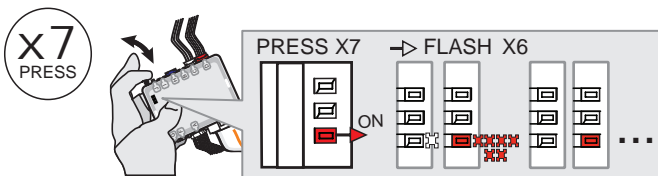


3



Insert the required remaining connectors.

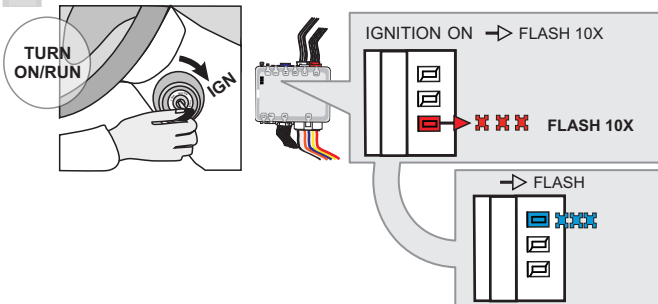
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

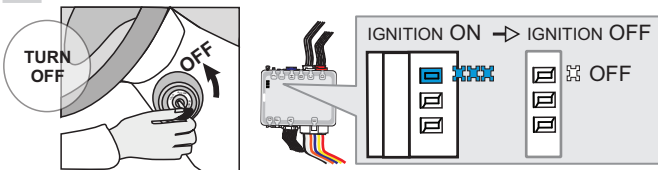


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

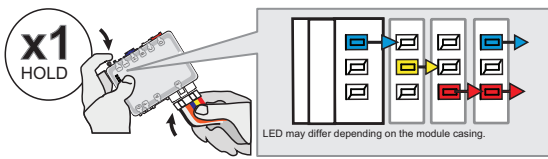


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

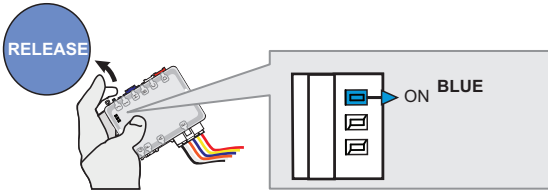
1



**Press and hold the programming button:
Insert the 6-Pin Main connector.**

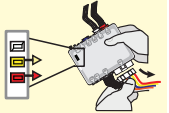
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

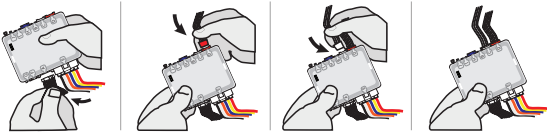


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

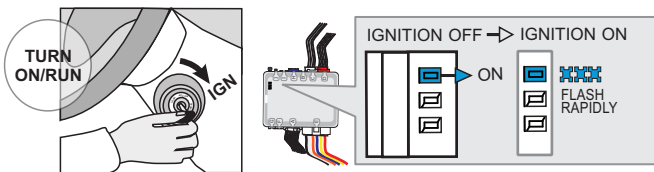


3



Insert the required remaining connectors.

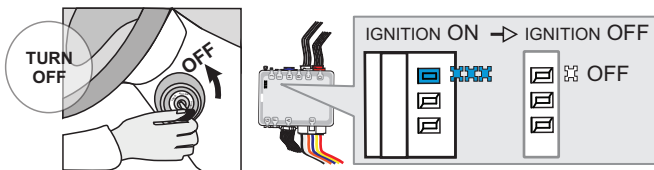
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

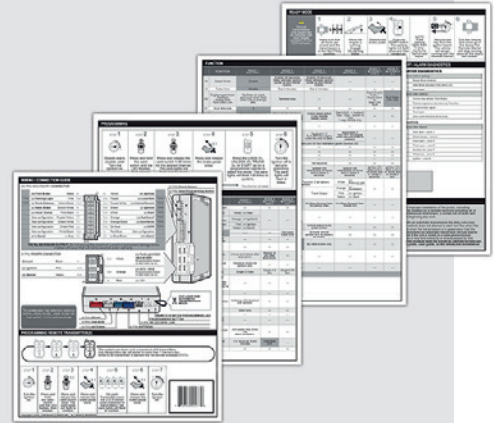


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REGULAR INSTALLATION AND THAR-ONE-KHY2 INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE		YEARS	Vehicle functions supported in this diagram (functional if equipped)												
			Immobilizer bypass	T-Harness	RAP Disable	Horn	Lock	Unlock	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status
KIA															
Rio		2016-2017	•	•	•	•	•	•	•	•	•	•	•	•	•
Rio 5		2016-2017	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		32	5	D.k Blue (Ground Out): Arm / Rearm

T-HARNESS CONECTION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

A11

OFF

Hood trigger (Output Status).

Parts required (Not included)			PAGE
WIRE TO WIRE DIAGRAM			
AUTOMATIC TRANSMISSION	2x Diodes	Page 3	
MANUAL TRANSMISSION	2x Diodes	Page 4	
THARNESS DIAGRAM			
THARNESS THAR-ONE-KHY2 AUTOMATIC TRANSMISSION	1x THAR-ONE-KHY2 2x Diodes	Page 5	
THARNESS THAR-ONE-KHY2 MANUAL TRANSMISSION	1x THAR-ONE-KHY2 2x Diodes	Page 6	

MANDATORY INSTALL

* HOOD PIN

HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER

Included

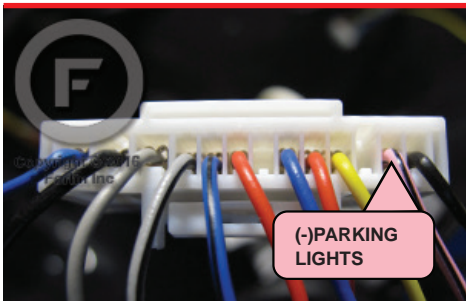
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

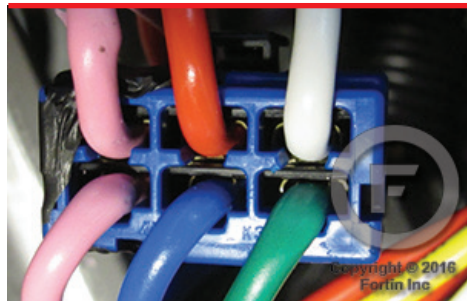
At light switch

2



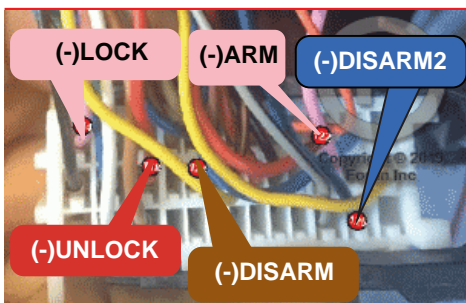
Ignition Harness

3



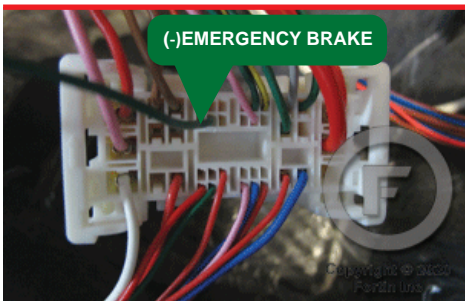
Driver kick panel

4



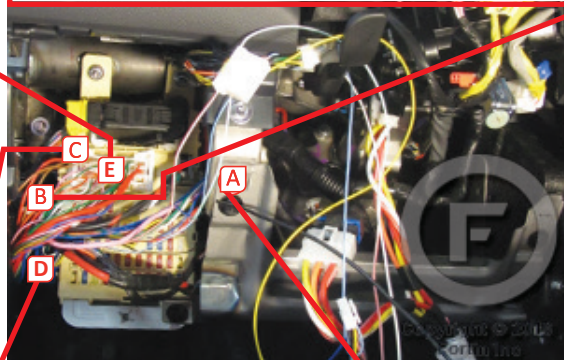
Fuse box

1 E



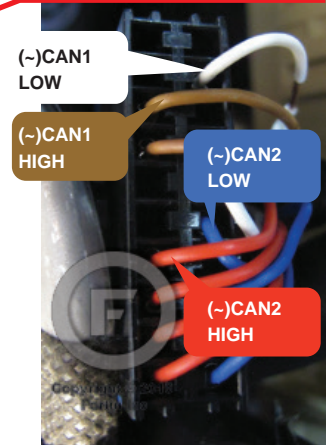
Fuse box

1



CAN junction box

1 B



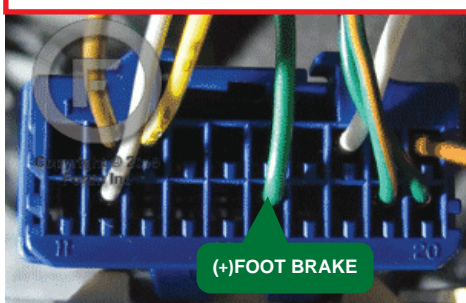
Back of fuse box

1 C



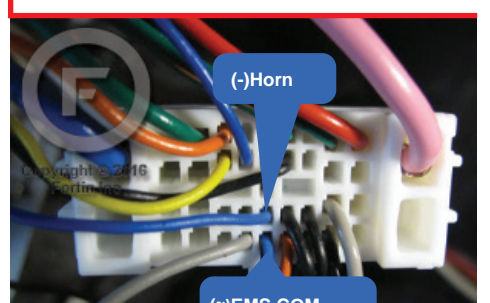
Back of fuse box

1 D

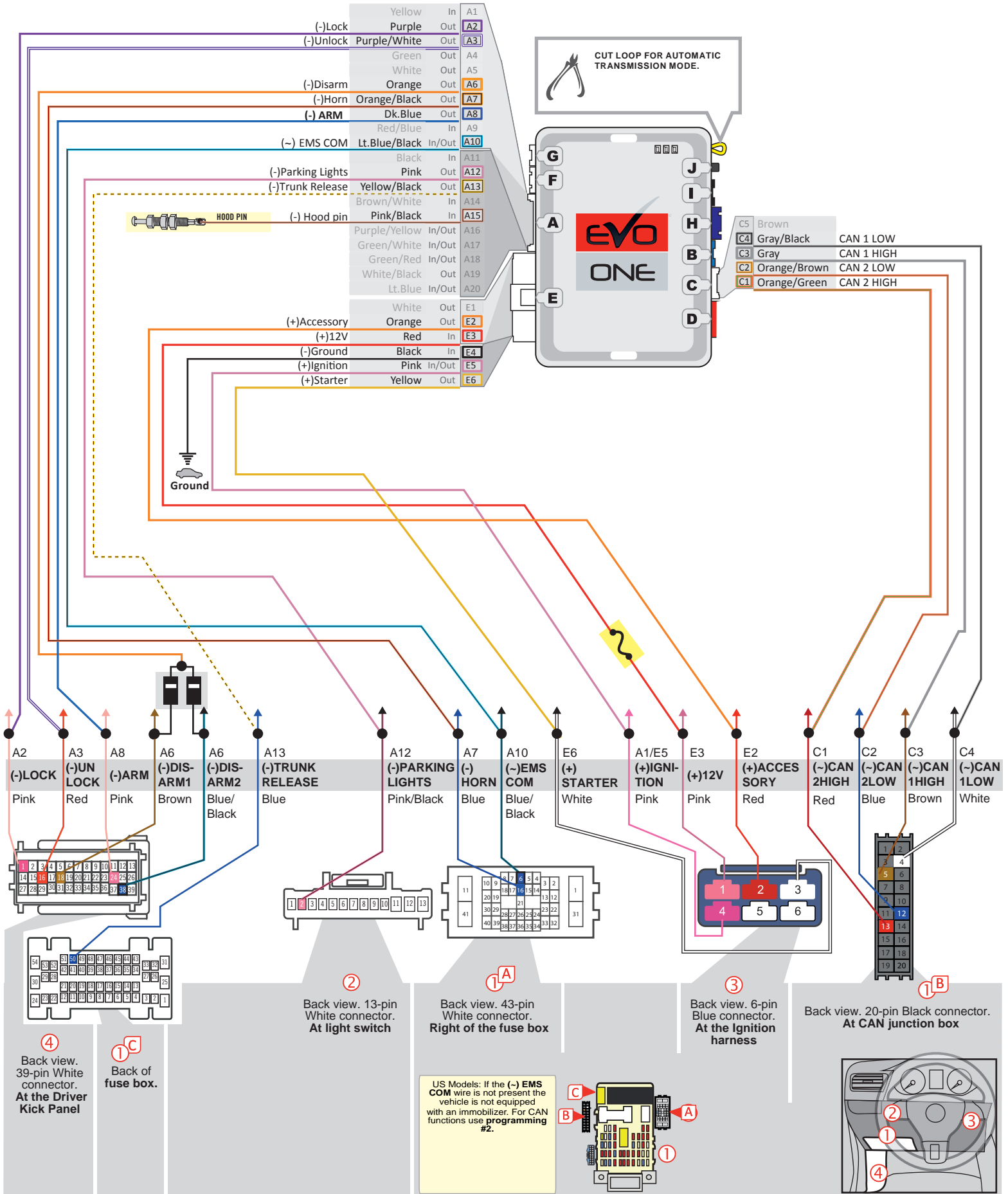


Fuse box

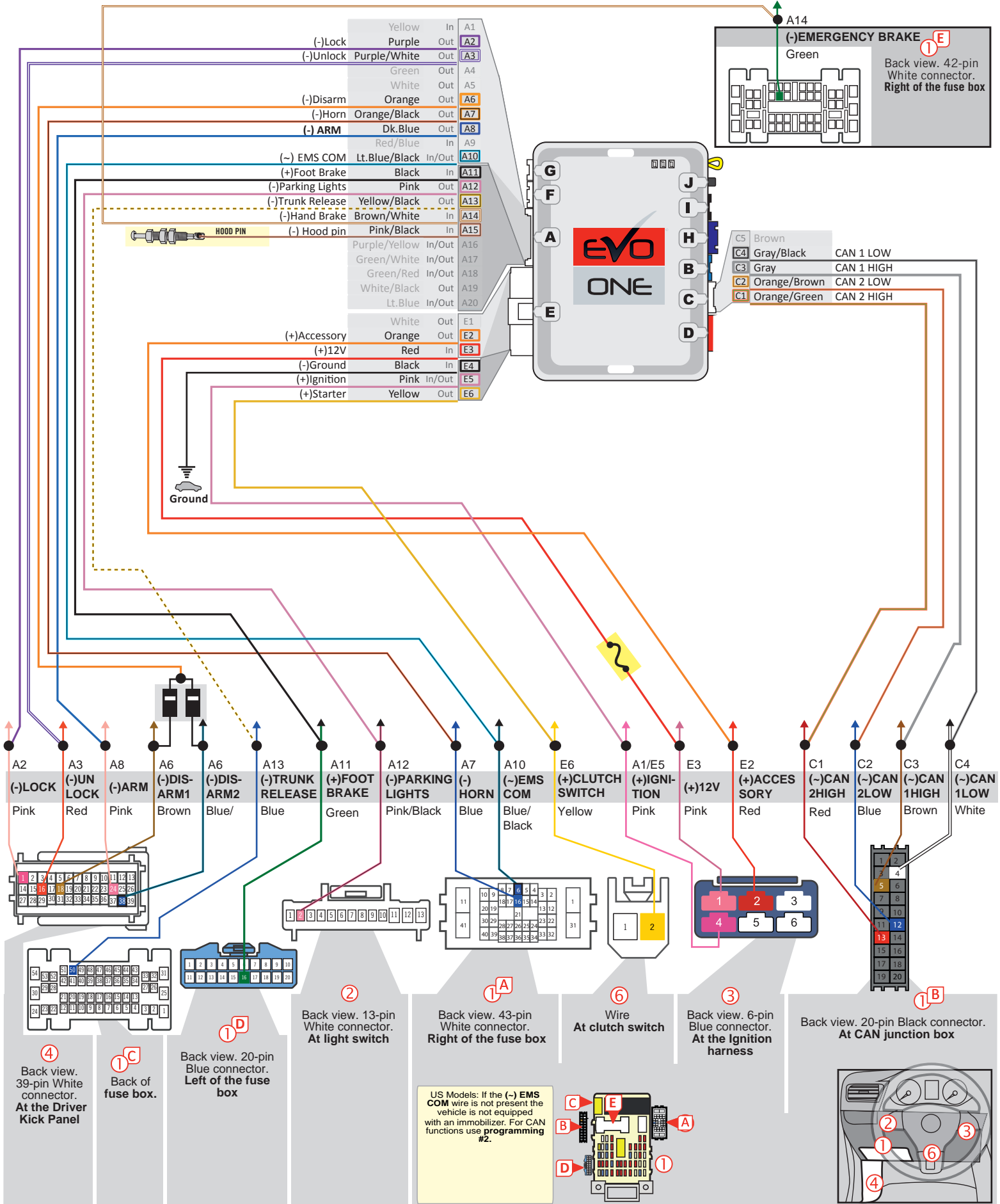
1 A



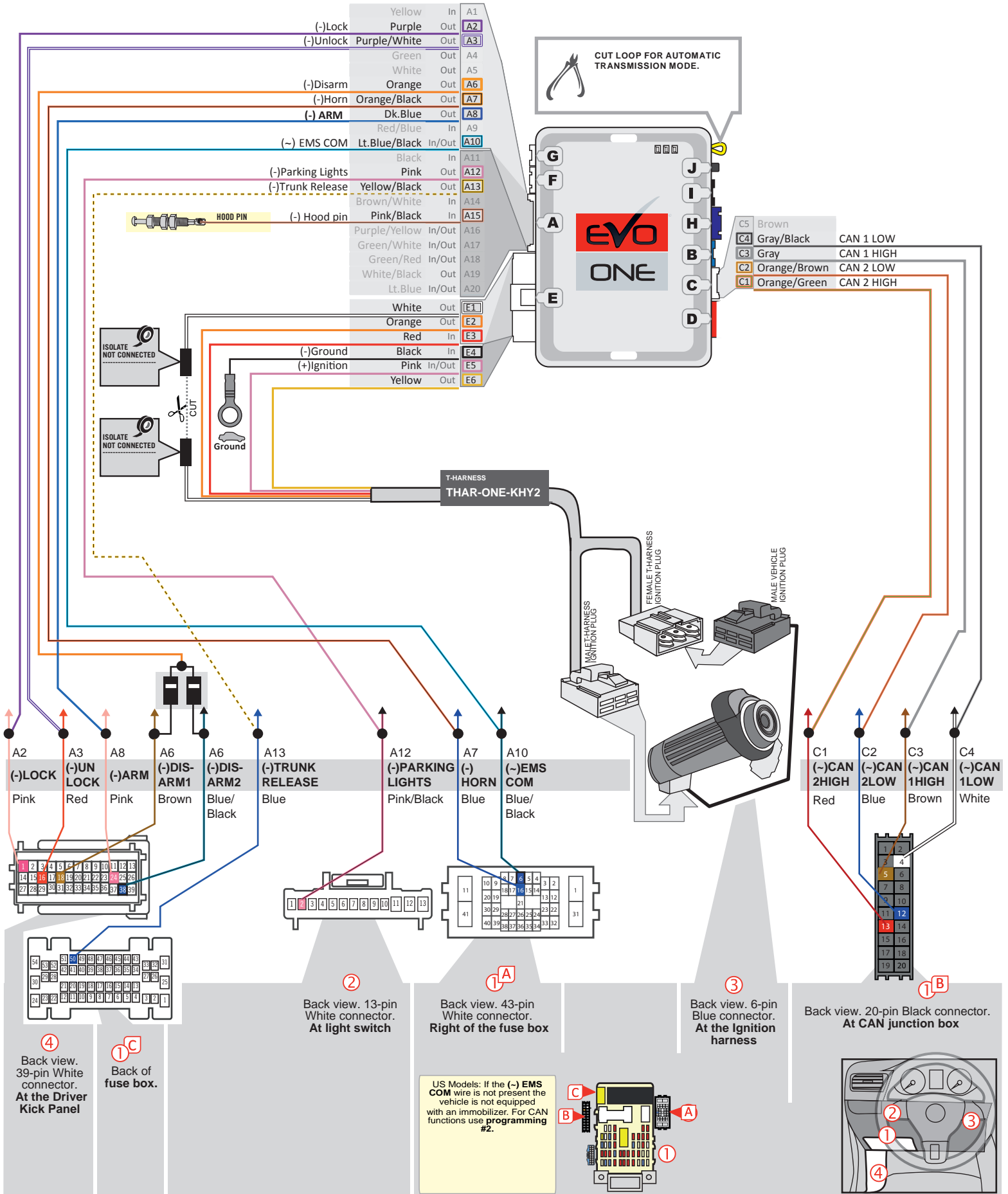
AUTOMATIC TRANSMISSION WIRING CONNECTION



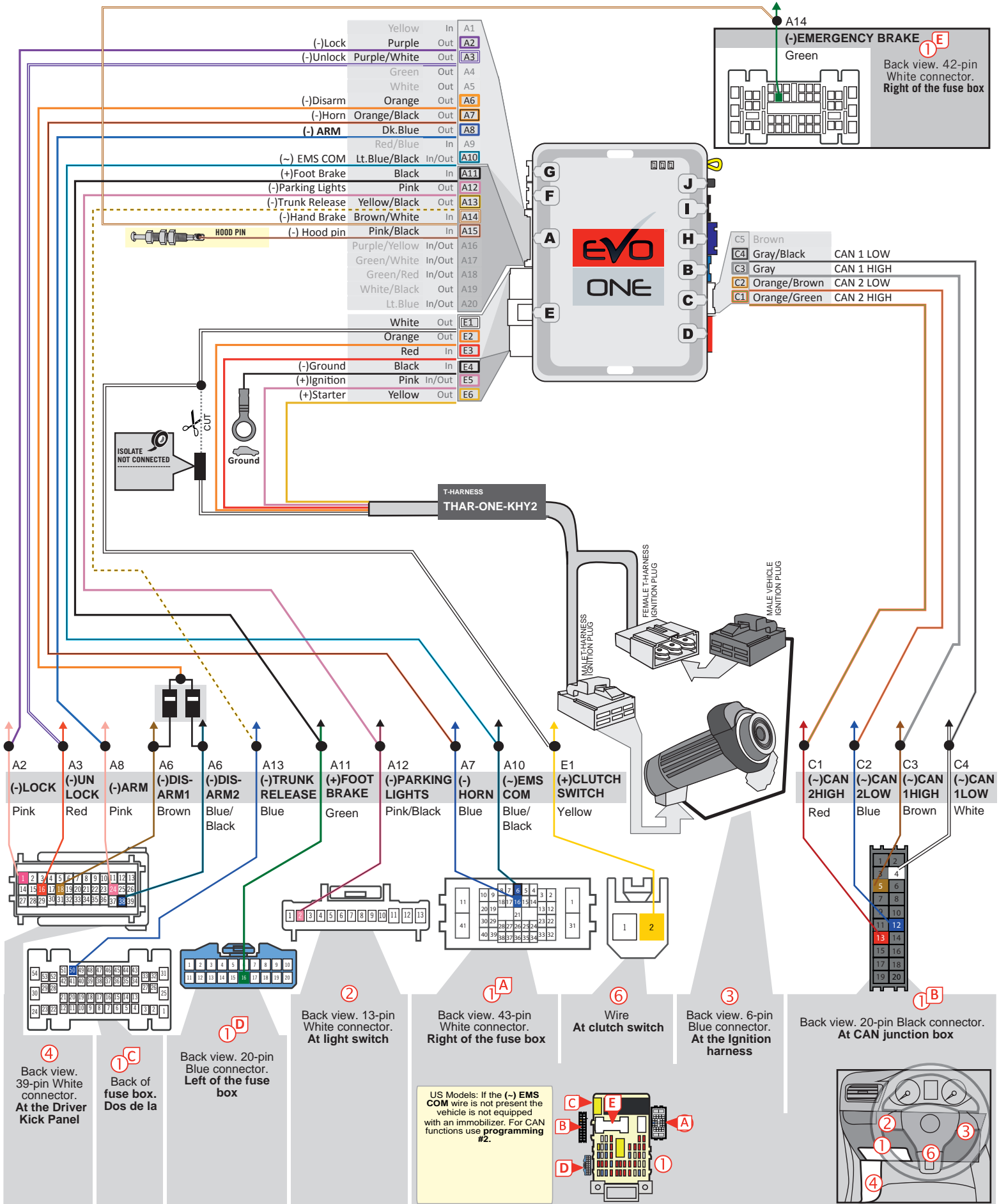
MANUAL TRANSMISSION WIRING CONNECTION



THAR-ONE-KHY2 | WIRING AUTOMATIC CONNECTION

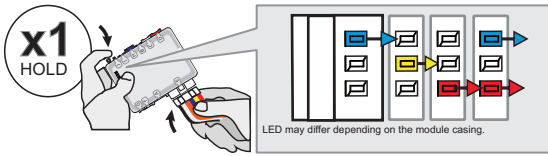


THAR-ONE-KHY2 | WIRING MANUAL CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

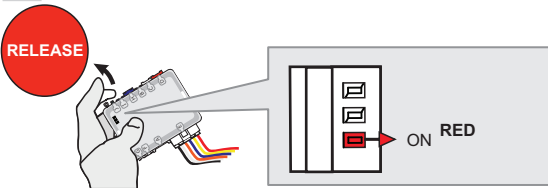
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

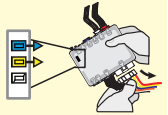
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

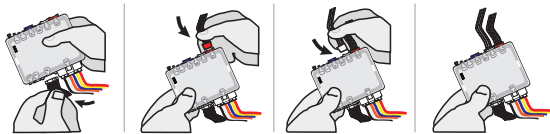


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

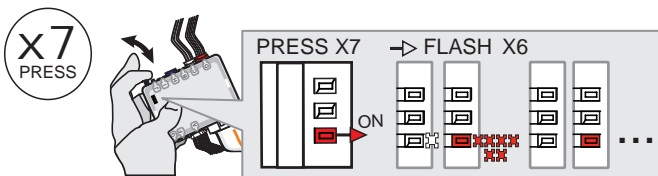


3



Insert the required remaining connectors.

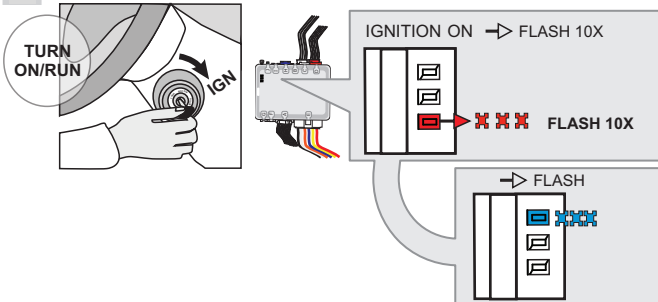
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

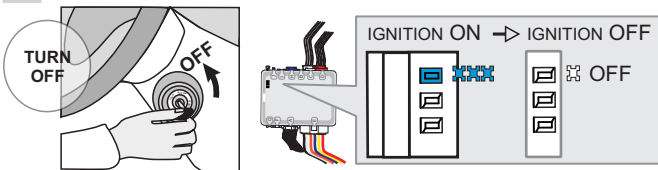


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

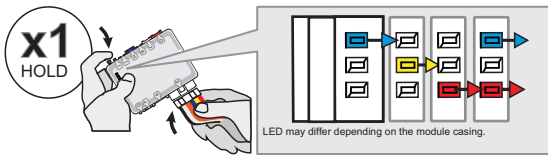


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

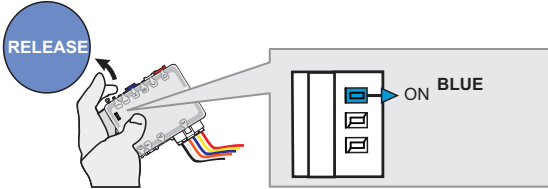
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

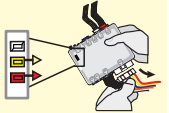
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

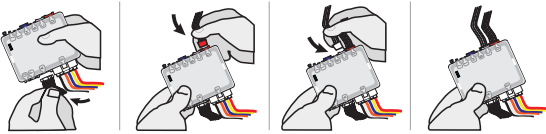


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

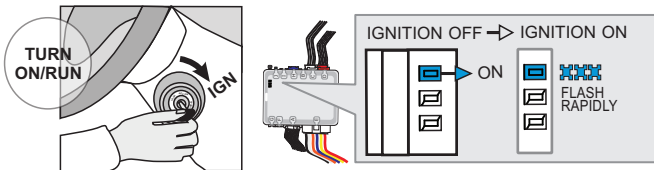


3



Insert the required remaining connectors.

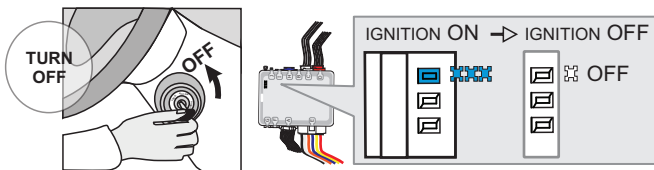
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

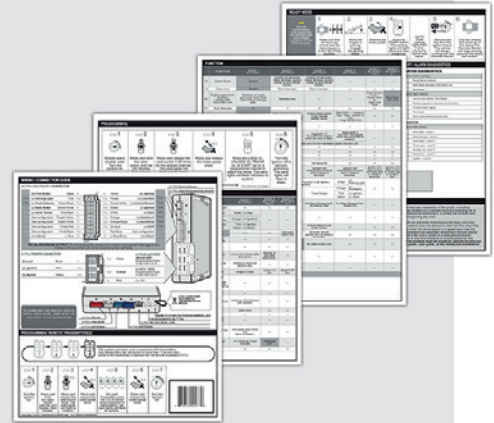


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REGULAR INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	RAP Disable	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**	R.S. OEM remote Stand Alone compatible
KIA																	
Rio	2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rio5	2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[57]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	<div style="background-color: red; color: white; padding: 5px; display: inline-block; margin: 5px;">OFF</div> Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

NOTES

**OEM Remote monitoring The vehicles OEM remote will be operable when the engine is running.

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

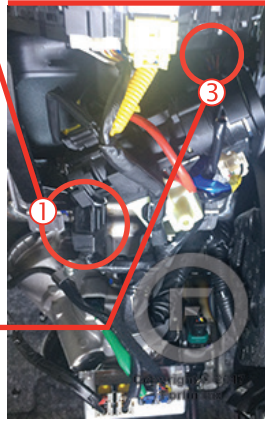
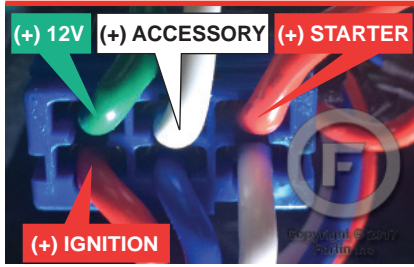
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

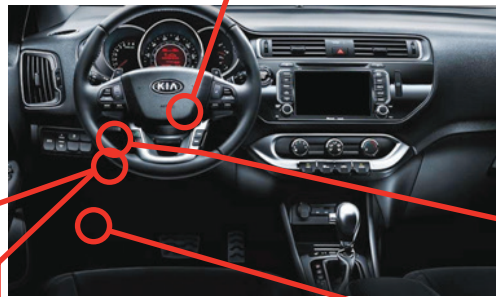
1 At Ignition Connector



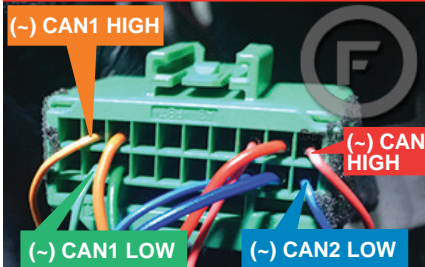
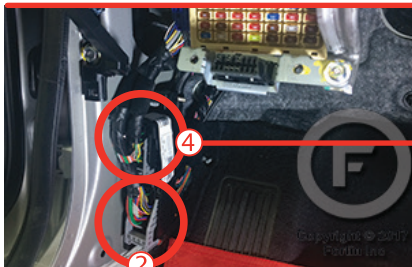
3 Under the wiper switch



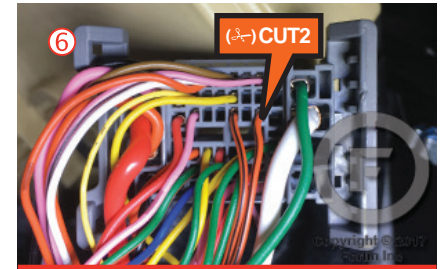
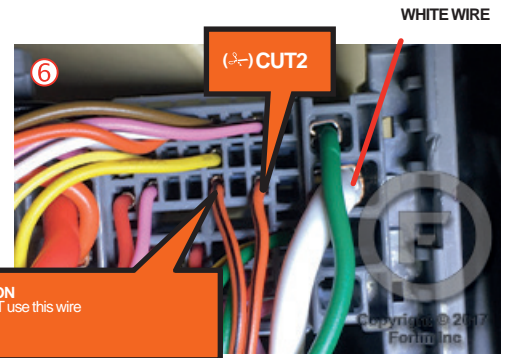
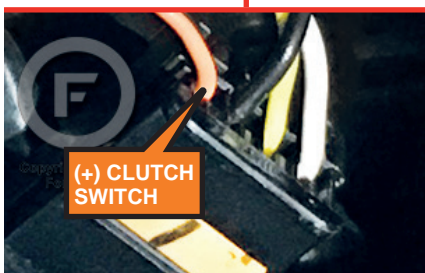
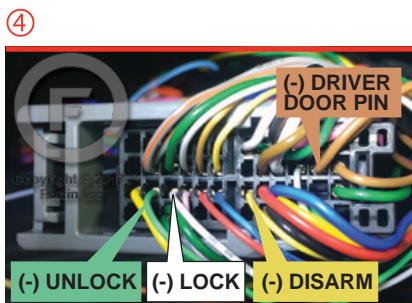
7 Junction connector Behind fuse Box



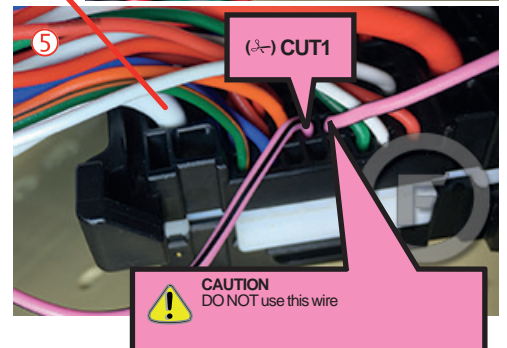
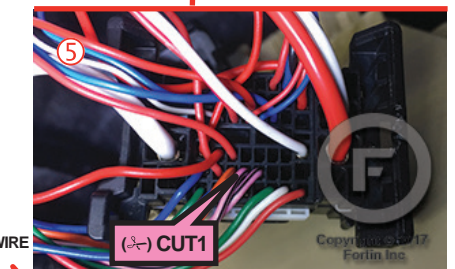
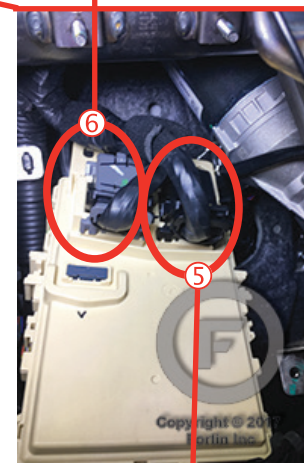
2 4 In the driver's side kick panel



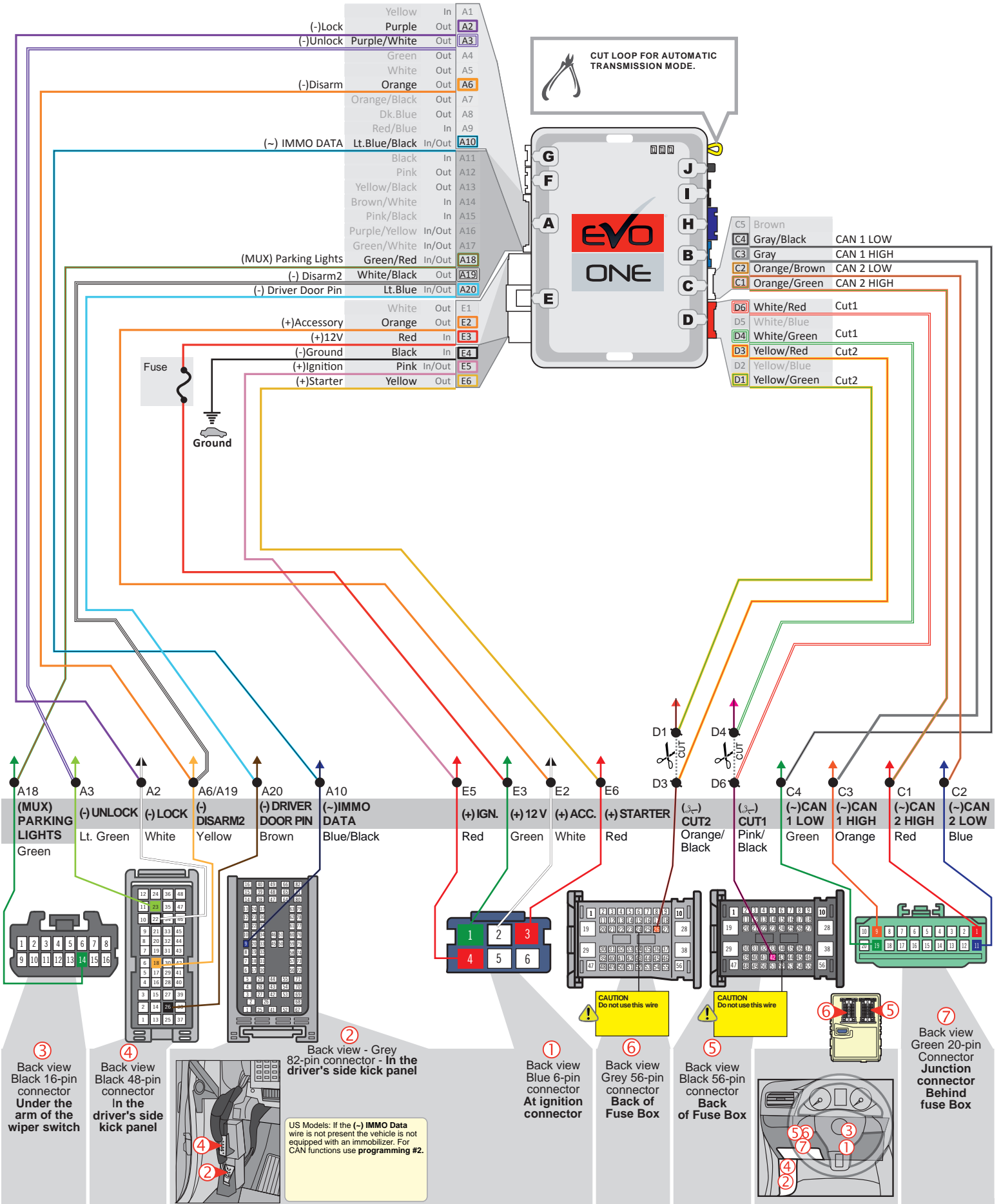
8 At clutch switch



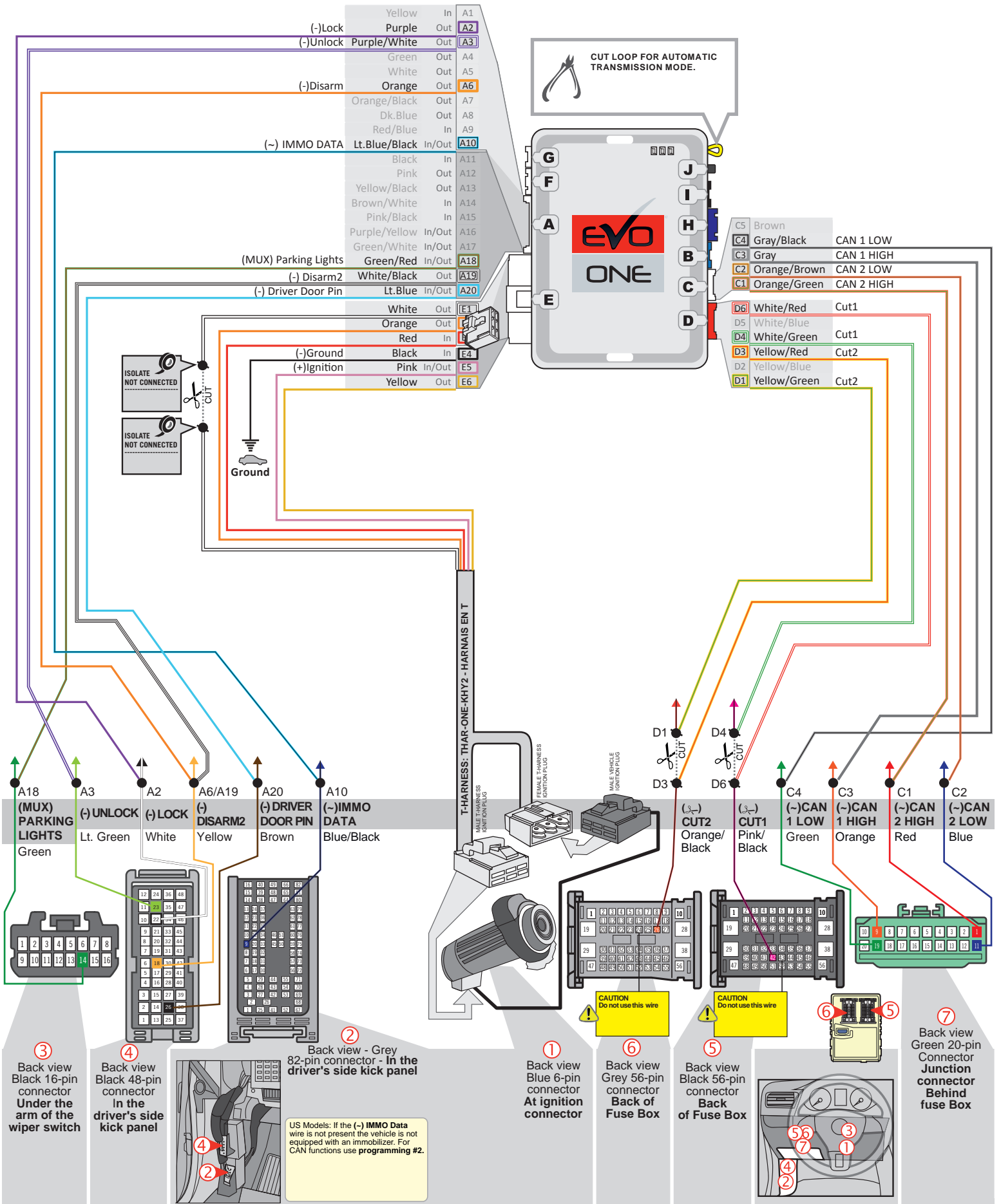
5 6 Back of Fuse Box



WIRING CONNECTION

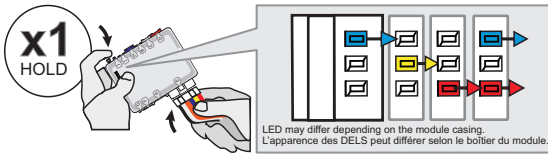


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

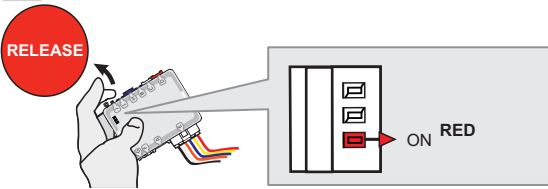
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

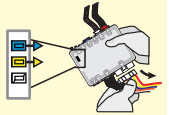
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

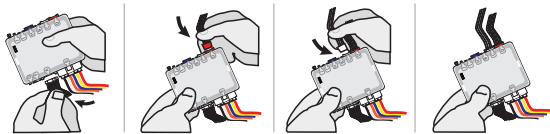


Release the programming button when the LED is **RED**.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

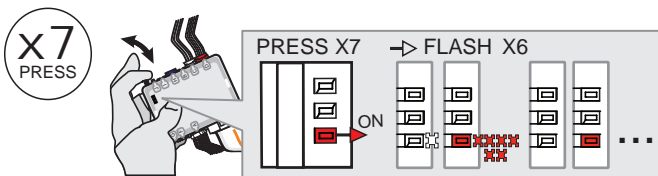


3



Insert the required remaining connectors.

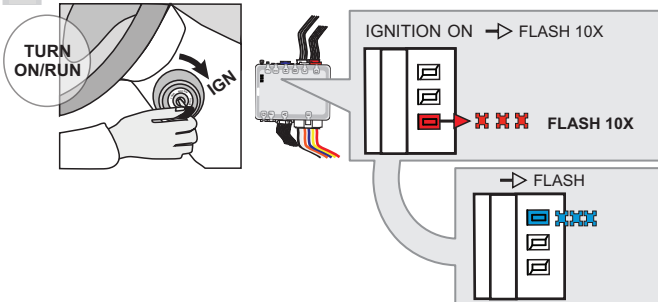
4



Press and release the programming button 7 times (X).

↳ The **RED** LED will flash 6 times and pause.

5

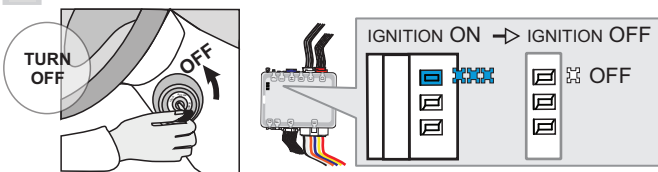


Turn the Ignition to the **ON/RUN** position.

↳ The **RED** LED will flash rapidly 10x times.
Key bypass programmed.

↳ The **BLUE** LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the **OFF** position.

↳ The **BLUE** LED will turn off.

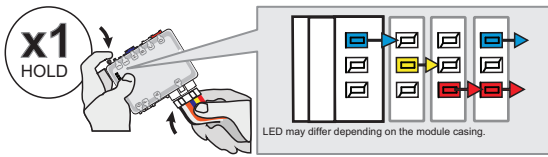


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE

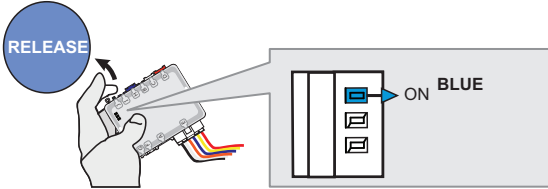
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

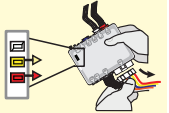
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

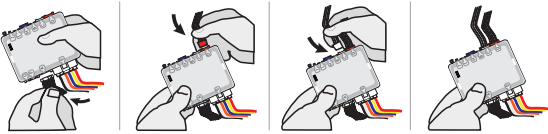


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

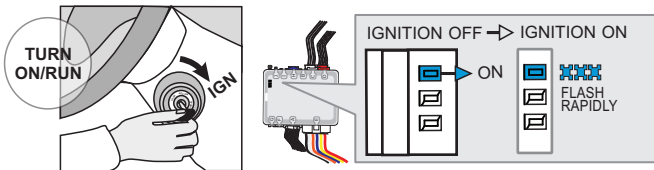


3



Insert the required remaining connectors.

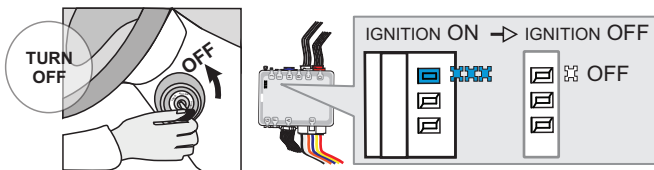
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

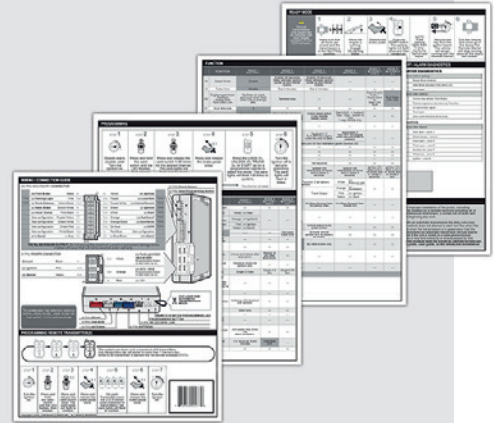


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REGULAR INSTALLATION AND THAR-ONE-KHY2

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**
HYUNDAI Kona	2022	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[63]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

A11

OFF

Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

Parts required (Not included)
PAGE

WIRE TO WIRE DIAGRAM	Page 3
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THARNESSE DIAGRAM	1x THAR-ONE-KHY2	1x THAR-ONE-KHY2	Page 4
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NOTES

**OEM Remote monitoring The vehicles OEM remote will be operable when the engine is running.

*** HOOD PIN**

HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER

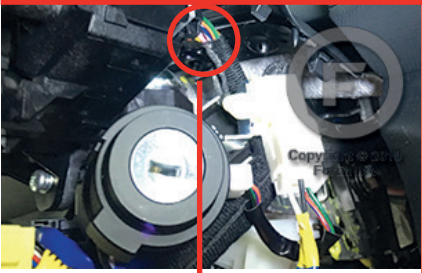
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

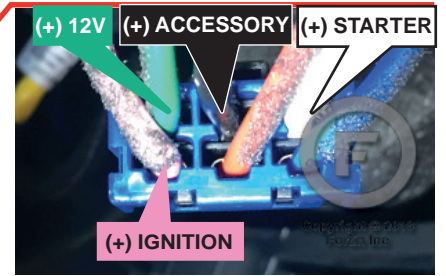
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION | DESCRIPTION

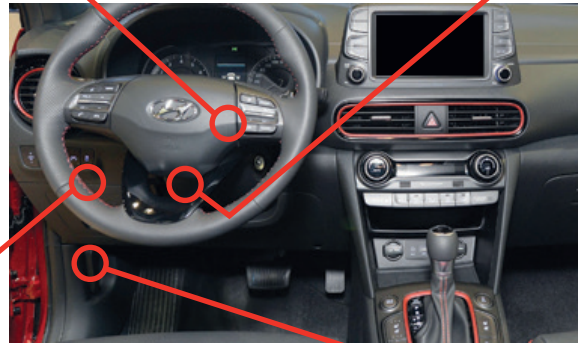
③ Under the wiper switch



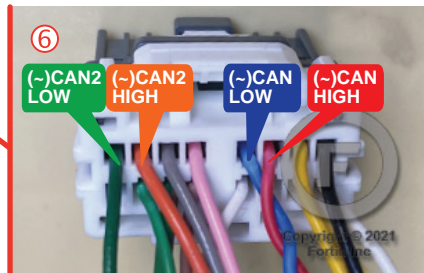
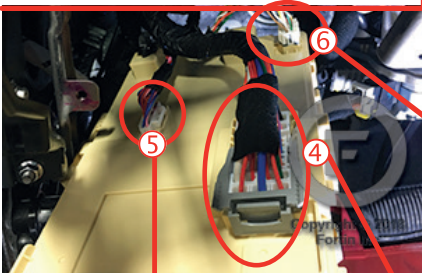
① At Ignition Connector



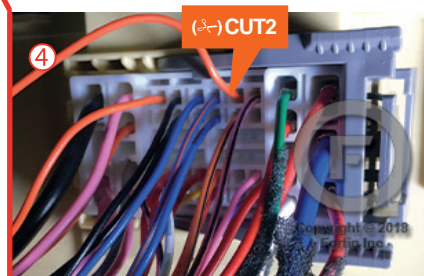
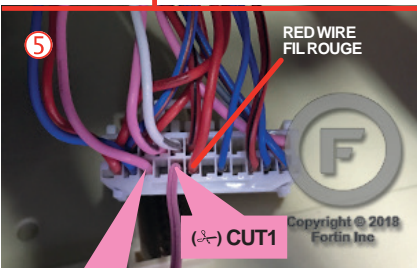
⑦ At horn switch



At back of fuse box

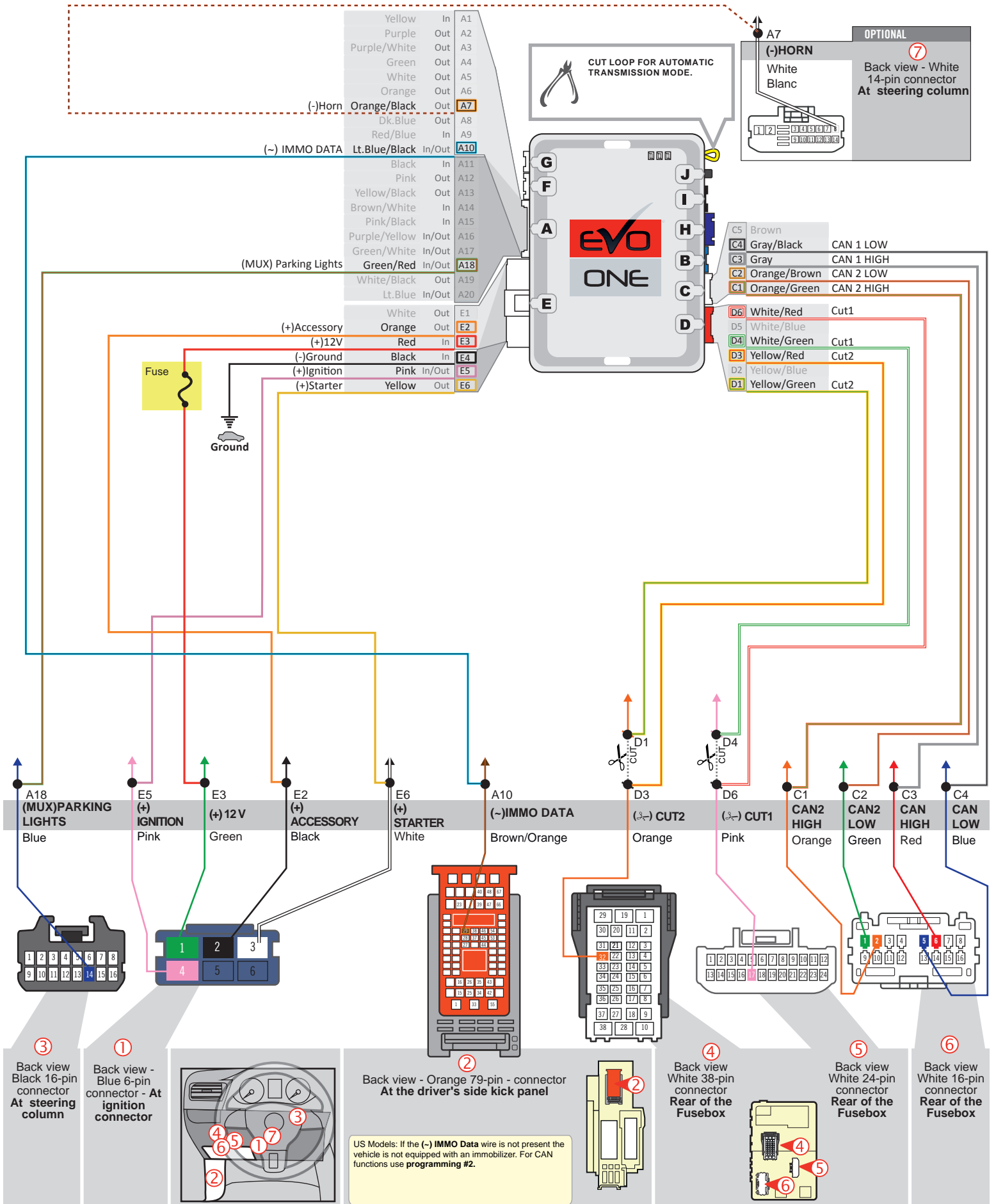


② In the driver's side kick panel

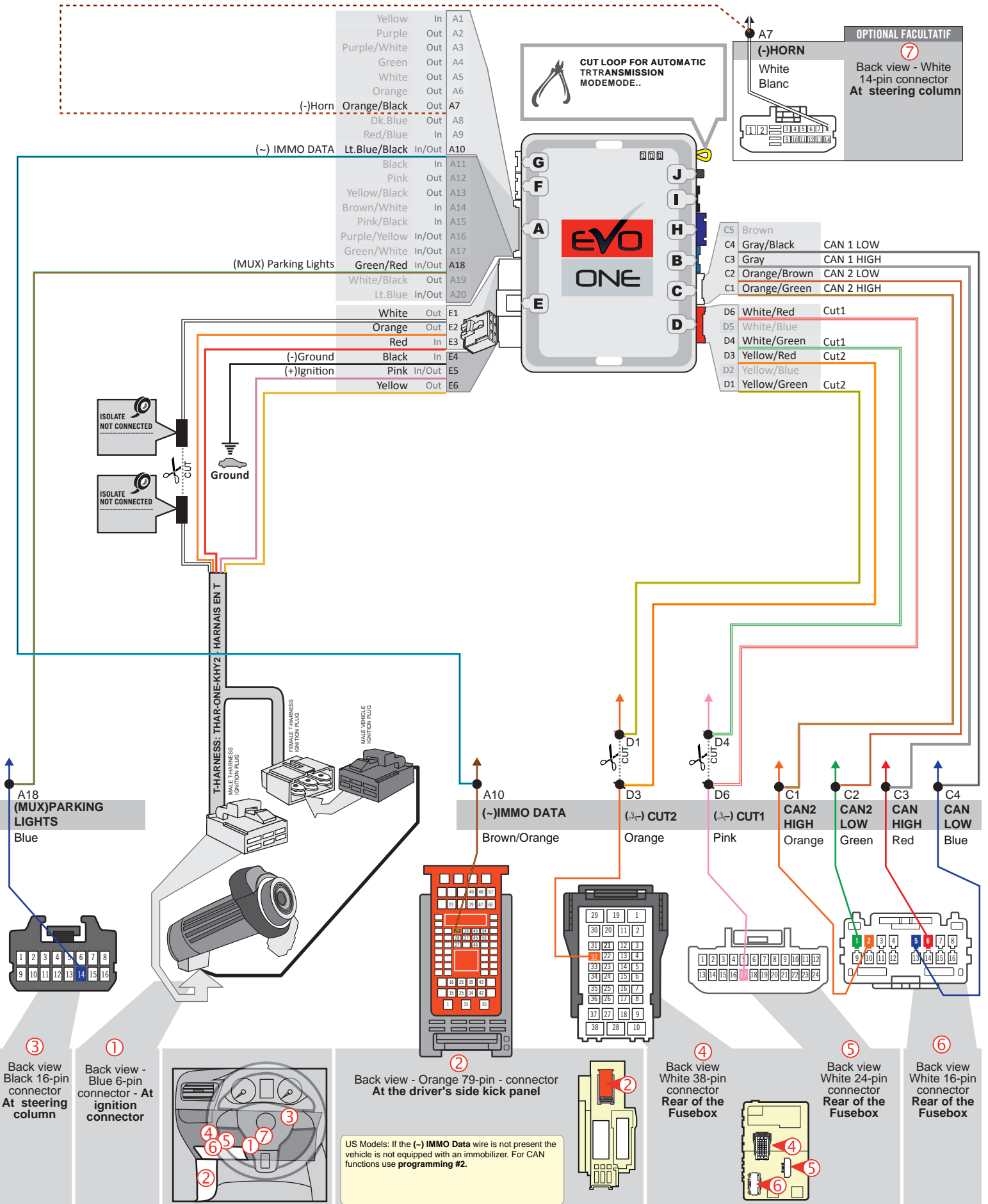


CAUTION
DO NOT use this wire

WIRING CONNECTION

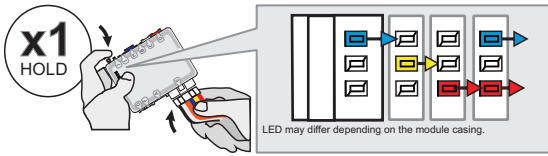


THAR-ONE-KHY2 | WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

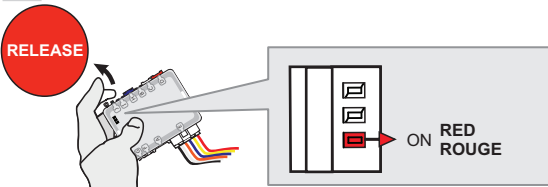
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

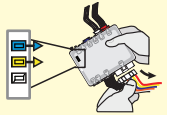
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

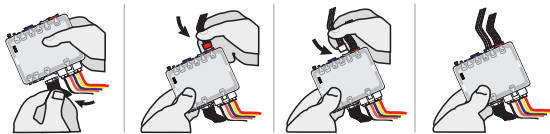


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

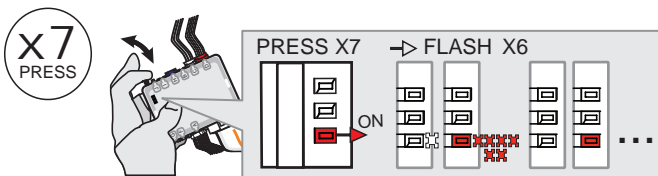


3



Insert the required remaining connectors.

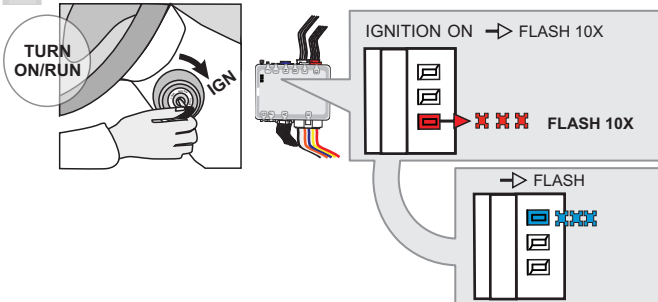
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

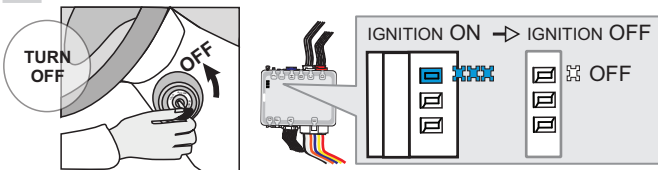


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

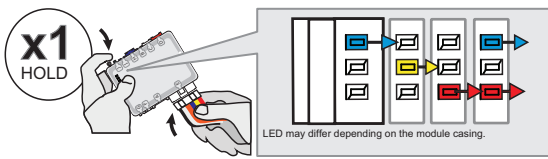
↳ The BLUE LED will turn off.



The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

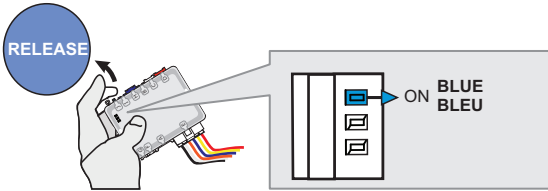
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

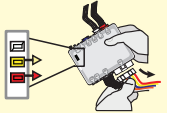
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

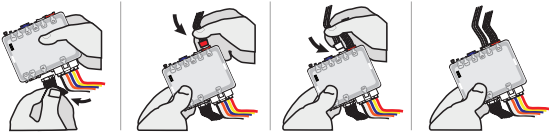


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

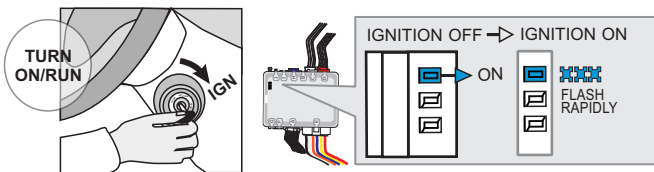


3



Insert the required remaining connectors.

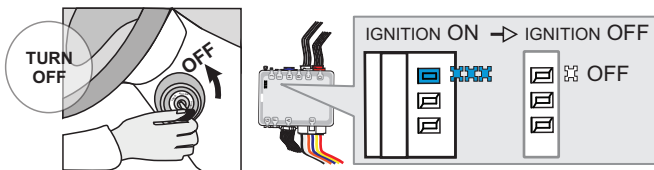
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

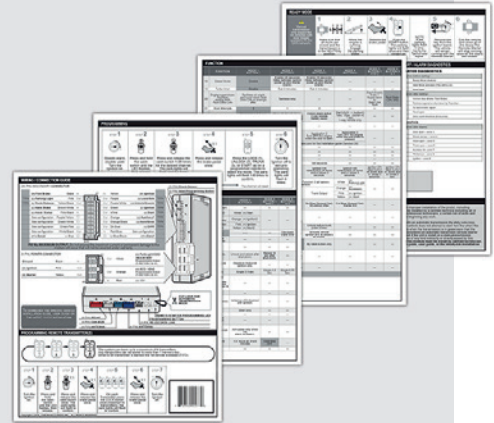


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY



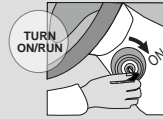
All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.




The vehicle can now be put in to gear and driven.

REGULAR INSTALLATION AND THAR-ONE-KHY2

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).																	
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	Auto-Light Control	OEM Remote monitoring**
HYUNDAI																			
Sonata	2017	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•




BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option (if equipped with OEM alarm):	UNIT OPTION	DESCRIPTION
		D2	Unlock before / Lock after (Disarm OEM alarm)

NOTES

**OEM Remote monitoring The vehicle's OEM remote will not operate while the engine is running.

	Parts required (Not included)	PAGE
WIRE TO WIRE DIAGRAM		
AUTOMATIC TRANSMISSION		Page 3
THARNESSE DIAGRAM		
THARNESSE THAR-ONE-KHY2 AUTOMATIC TRANSMISSION	1x THAR-ONE-KHY2	Page 4

MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11 OFF

SECURITY STICKER



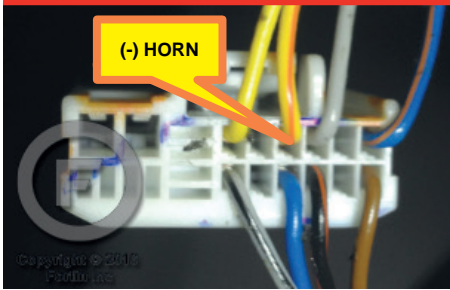
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

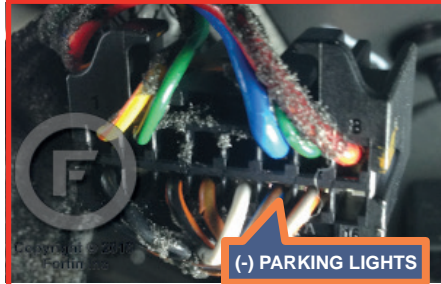
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

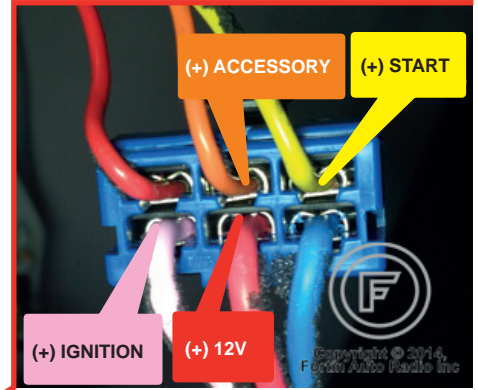
⑤ At Steering column



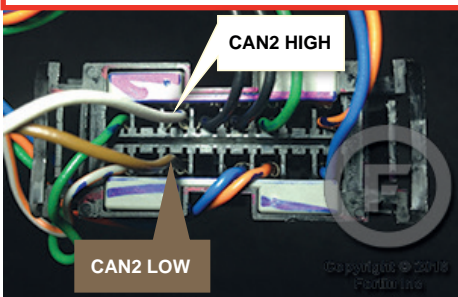
③ At Steering column



② Ignition Barrel



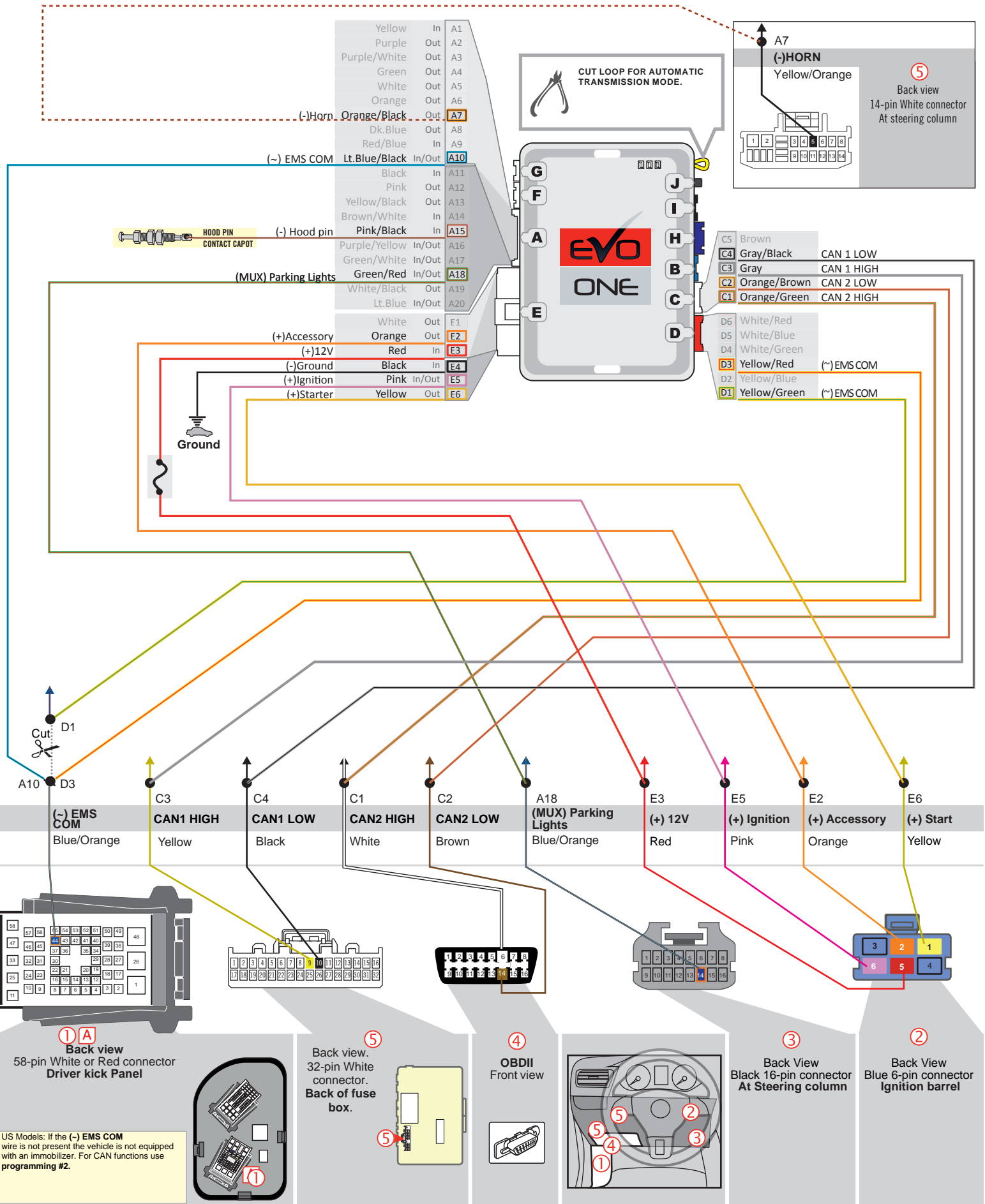
④ OBD-II connector



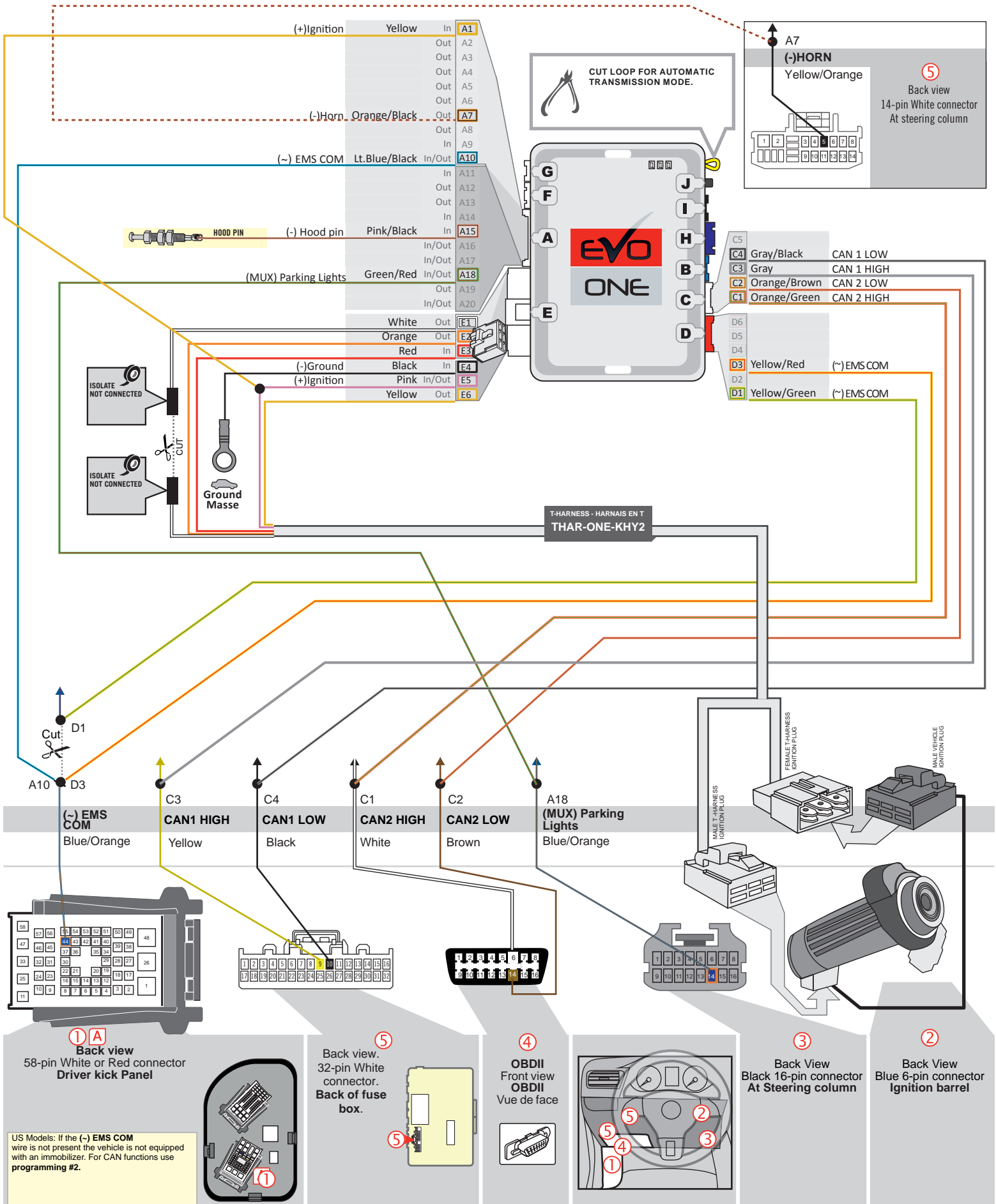
① Driver Kick Panel



WIRING CONNECTION | GUIDE DE BRANCHEMENTS

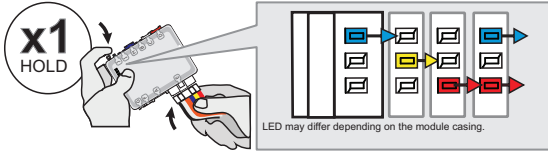


THAR-ONE-KHY2 | WIRING CONNECTION |



KEY BYPASS PROGRAMMING PROCEDURE

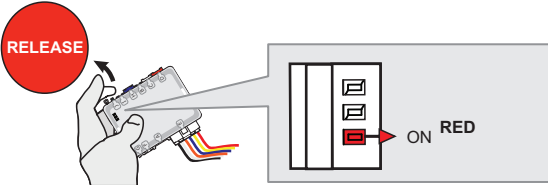
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

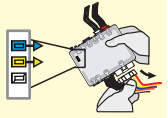
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

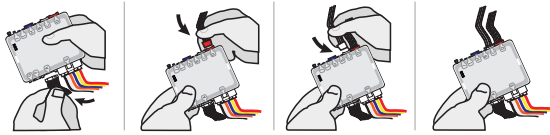


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

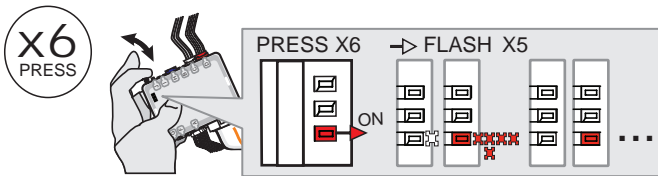


3



Insert the required remaining connectors.

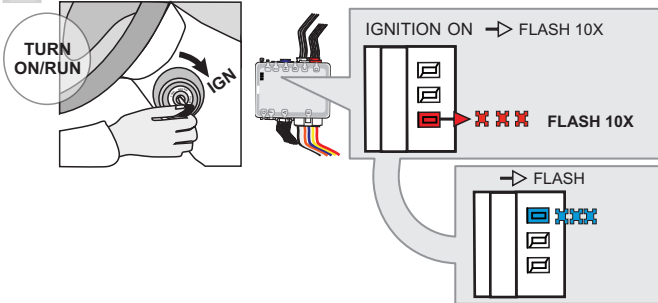
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

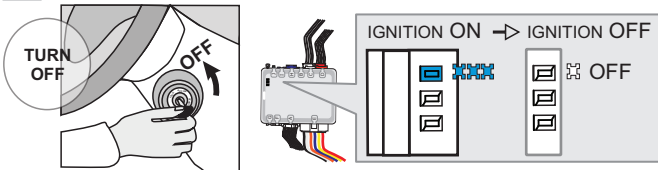


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

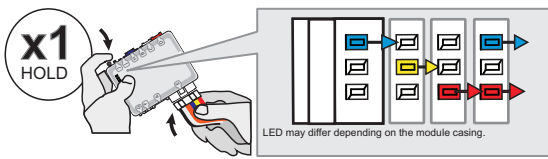


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

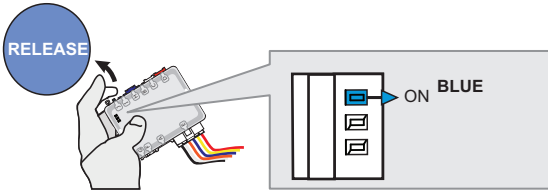
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

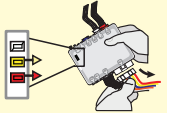
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

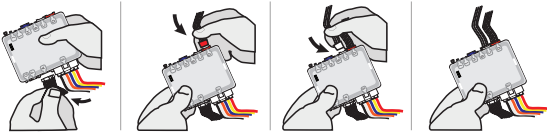


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

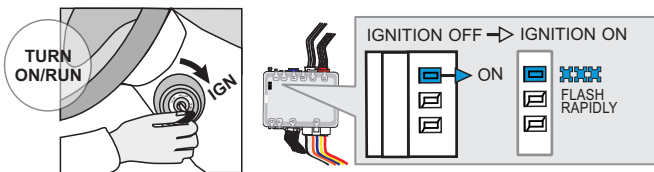


3



Insert the required remaining connectors.

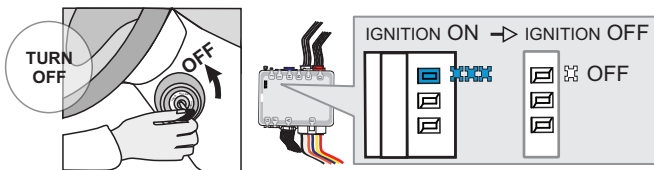
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

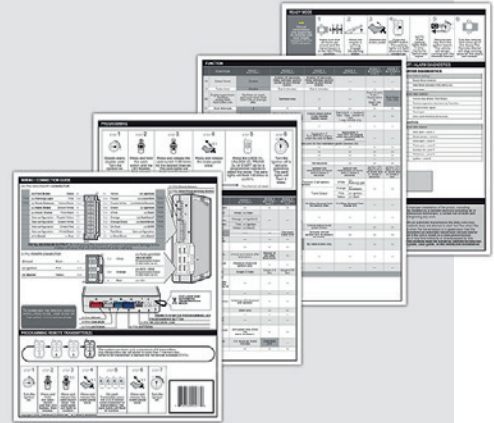


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.




Press the brake pedal.

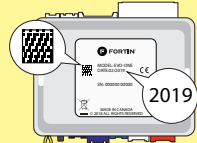




The vehicle can now be put in to gear and driven.


REGULAR AND THAR-ONE-KHY2 THARNNESS INSTALLATION ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness Harnais en T	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote Stand Alone compatible
 HYUNDAI Tucson	2022	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	COMPATIBLE MODULE REQUIRED:	QR CODE ON THE LABEL MANUFACTURED AFTER: 2019	FIRMWARE VERSION 91.[03] MINIMUM	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
---	------------------------------------	--	--	---

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring
	IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	A11 OFF	Hood trigger (Output Status).

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.


Parts required (Not included) PAGE

WIRE TO WIRE DIAGRAM	1x Relay	Page 3
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THARNNESS DIAGRAM	1x THAR-ONE-KHY2 1x Relay	Page 4
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MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

SECURITY STICKER



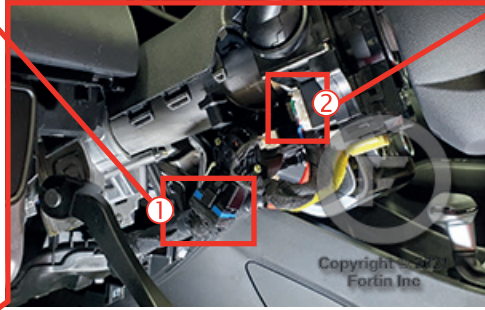
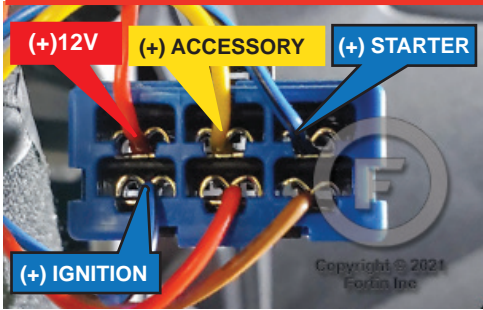
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

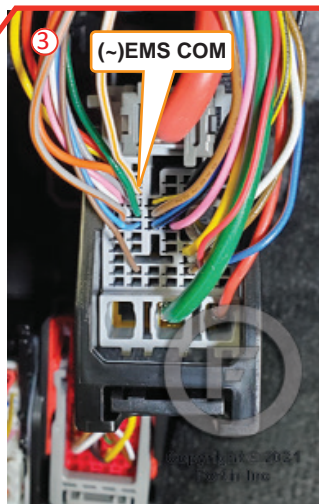
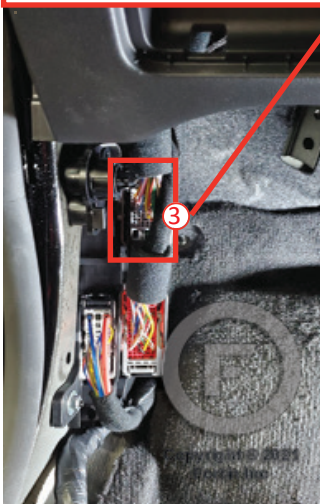
① Ignition switch



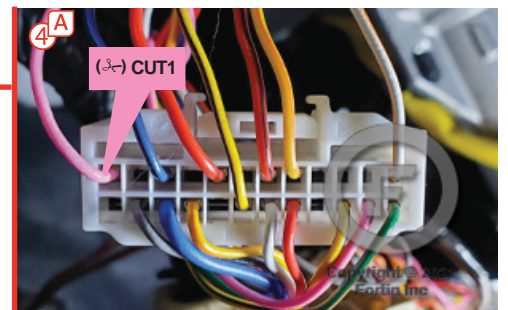
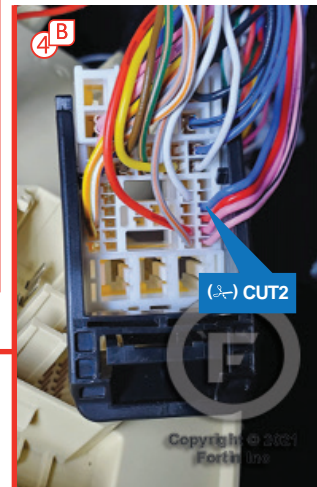
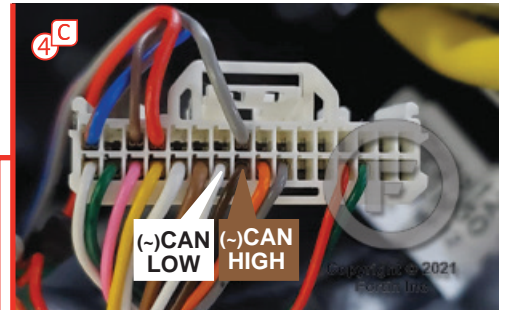
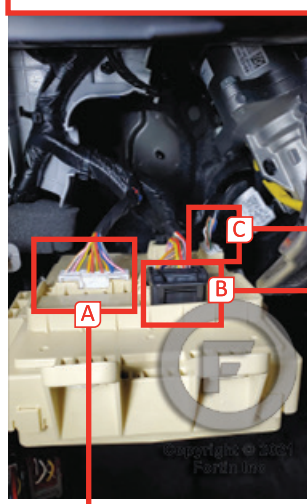
② Under steering column



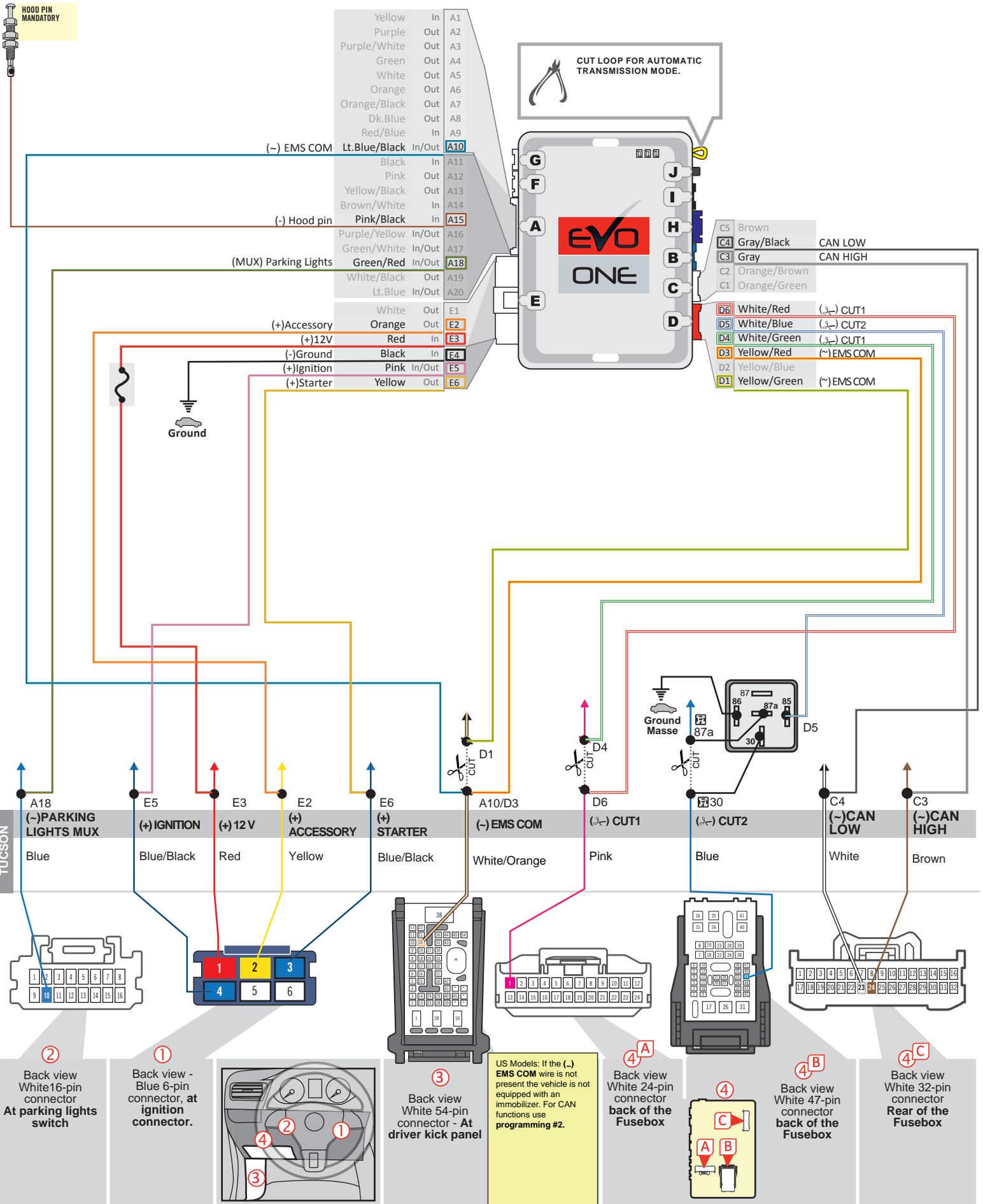
③ In the driver's side kick panel



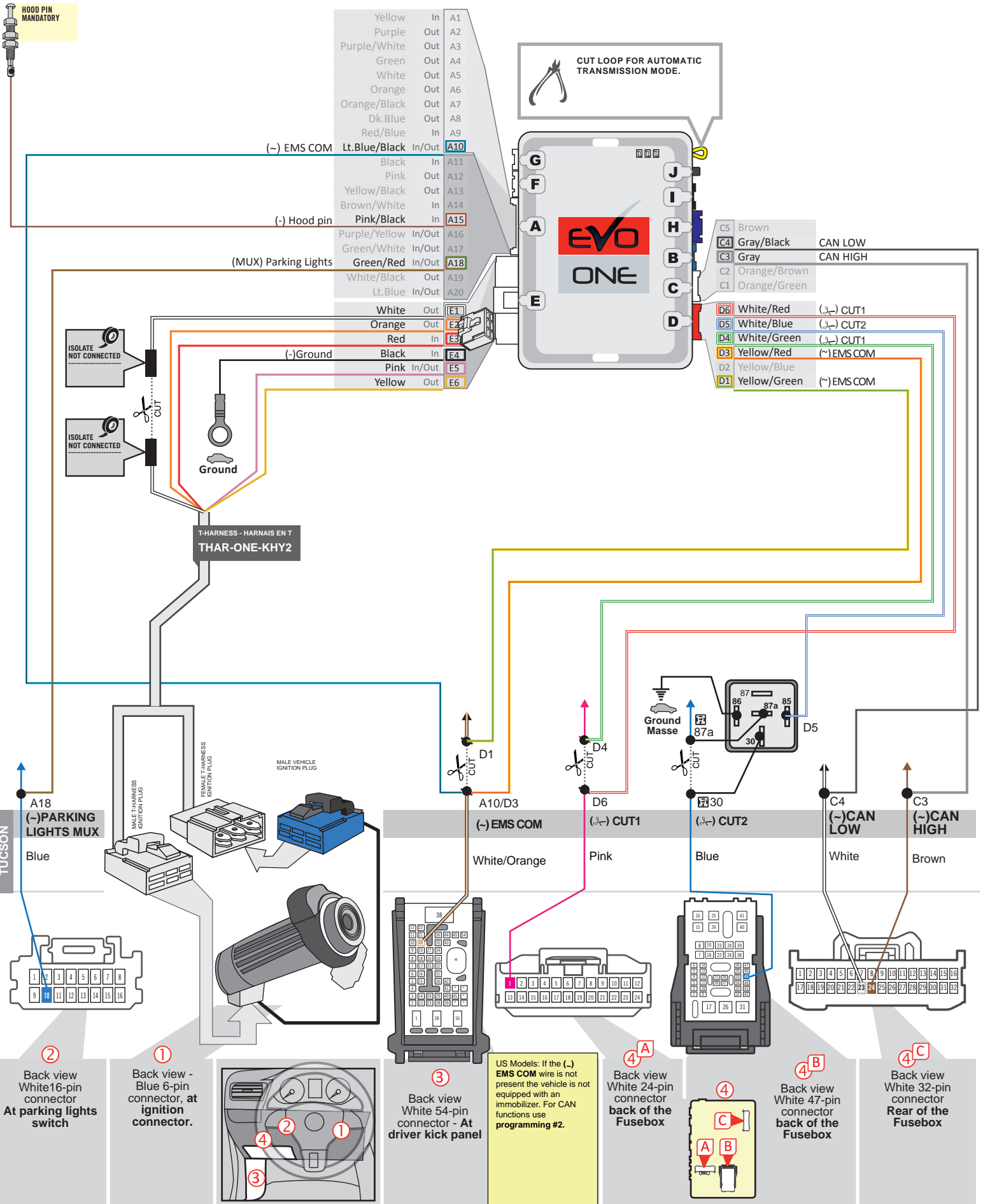
④ Behind the fuse box



WIRING CONNECTION

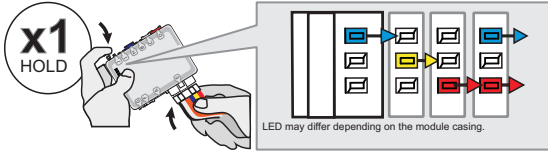


THAR-ONE-KHY2 - T-HARNESS WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE PROGRAMMING PROCEDURE |

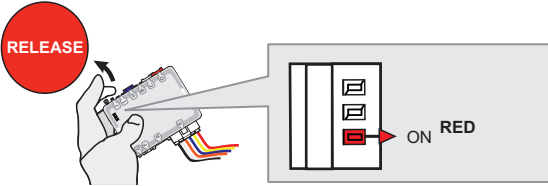
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

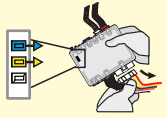
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

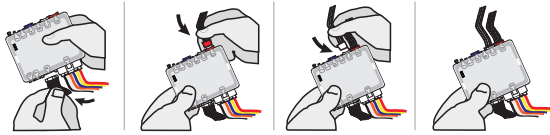


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

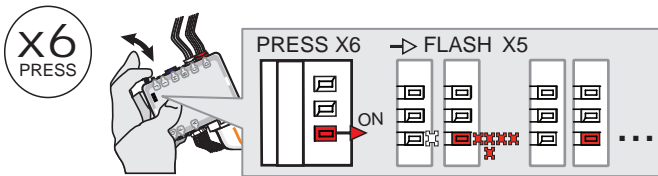


3



Insert the required remaining connectors.

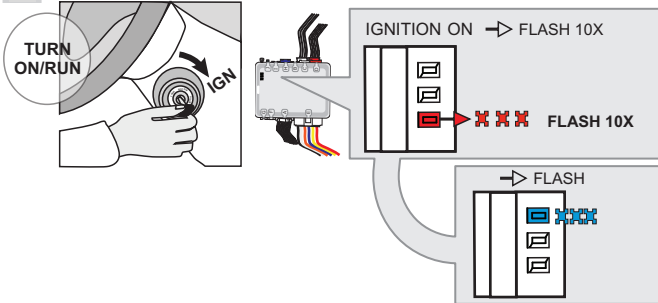
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

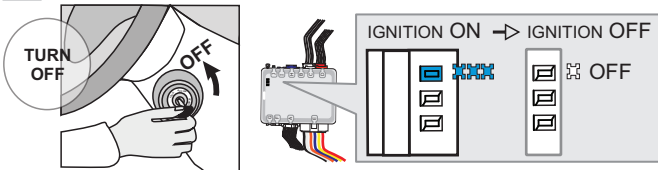


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

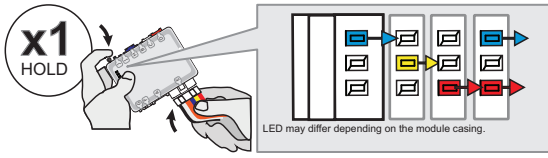


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

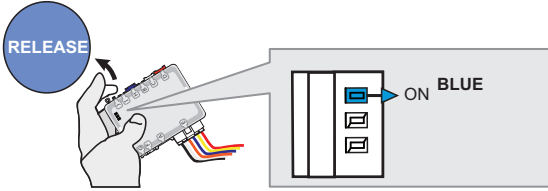
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

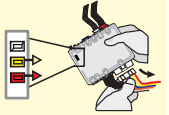
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

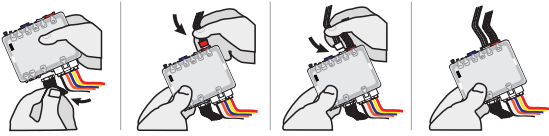


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

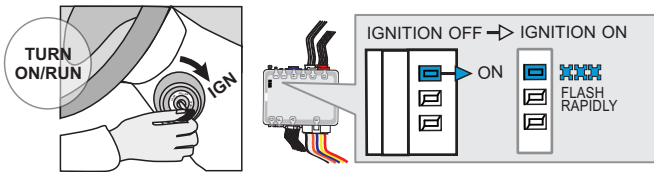


3



Insert the required remaining connectors.

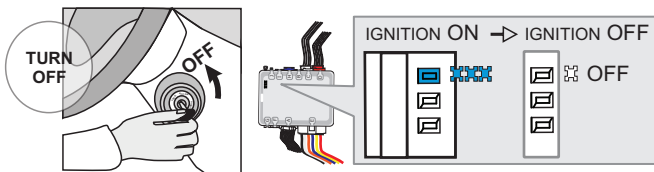
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

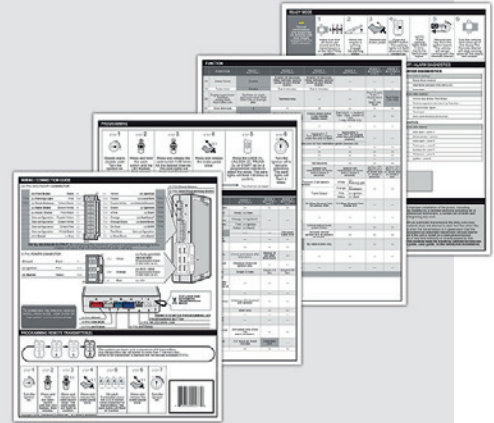


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.




Press the brake pedal.

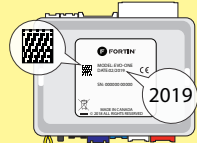




The vehicle can now be put in to gear and driven.


REGULAR AND THAR-ONE-KHY2 THARNNESS INSTALLATION ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote Stand Alone compatible
 HYUNDAI Tucson US	2022	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	COMPATIBLE MODULE REQUIRED:	QR CODE ON THE LABEL MANUFACTURED AFTER: 2019	FIRMWARE VERSION 91.[03] MINIMUM	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
---	------------------------------------	--	--	---

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring
	IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	A11 OFF	Hood trigger (Output Status).


	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.

Parts required (Not included) PAGE

WIRE TO WIRE DIAGRAM	1x Relay	Page 3
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THARNNESS DIAGRAM	1x THAR-ONE-KHY2 1x Relay	Page 4
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MANDATORY INSTALL

*** HOOD PIN**  **HOOD STATUS**: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

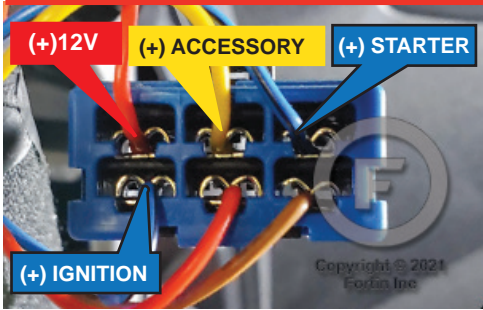
SECURITY STICKER  Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

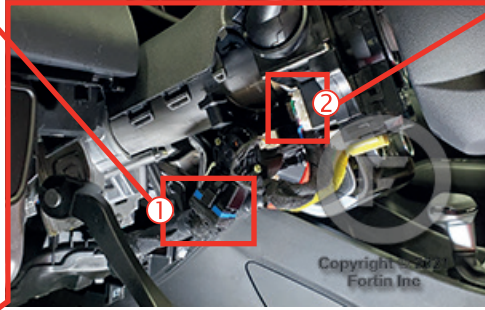
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

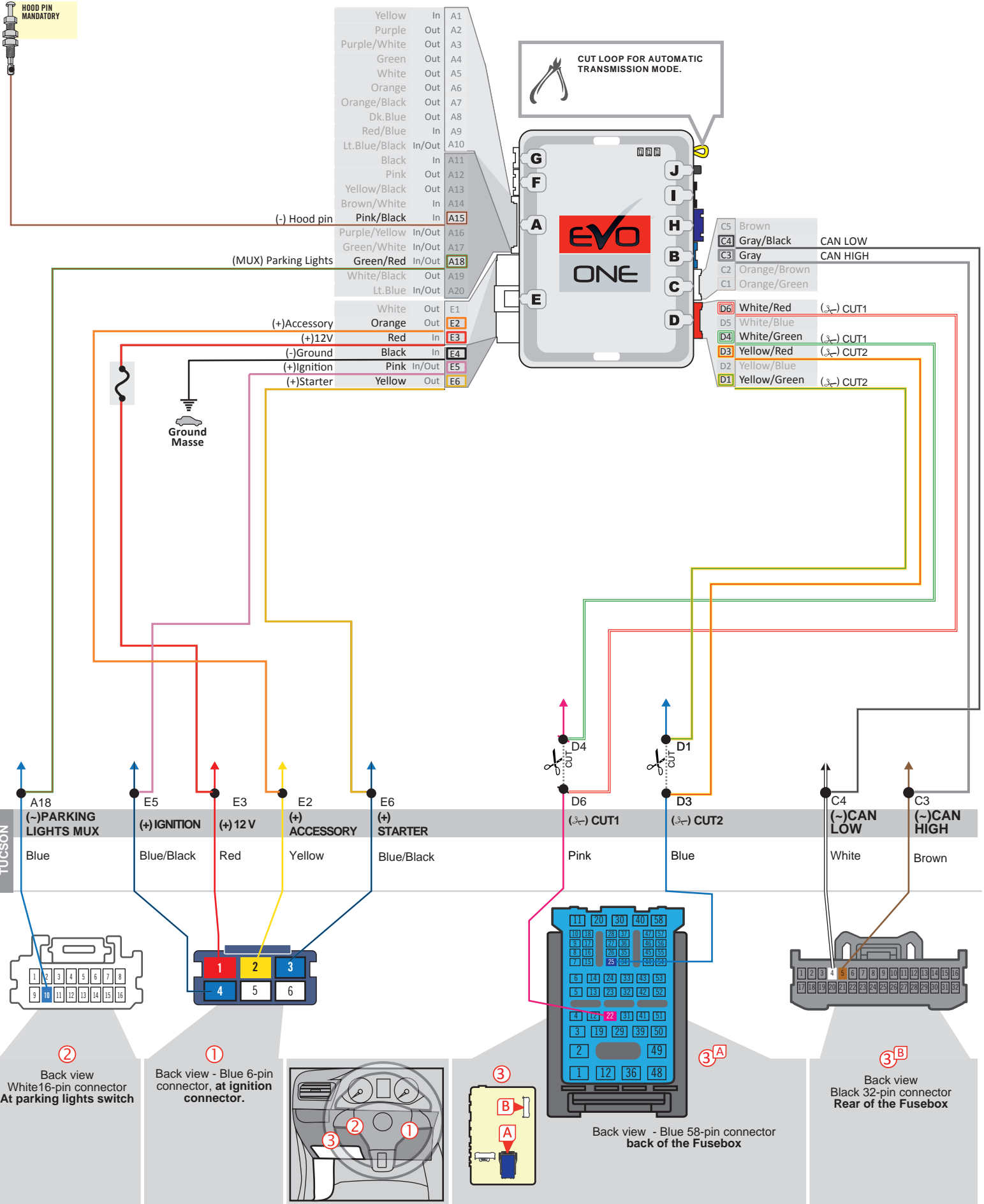
① Ignition switch



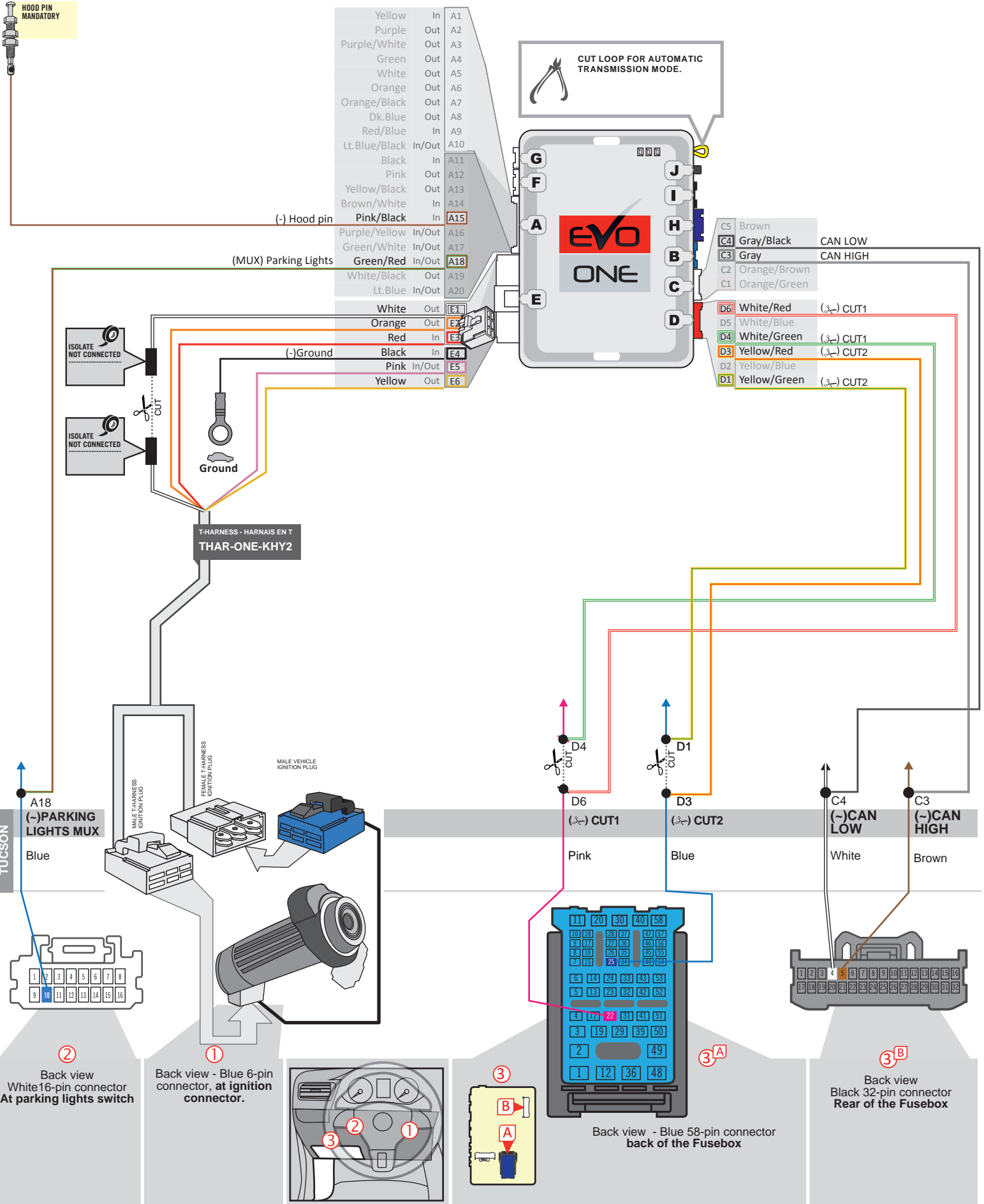
② Under steering column



WIRING CONNECTION

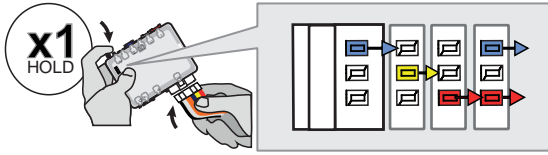


THAR-ONE-KHY2 - T-HARNESS WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

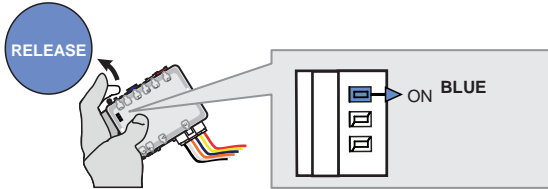
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

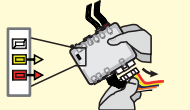
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

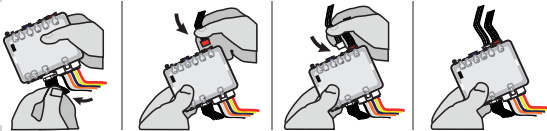


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

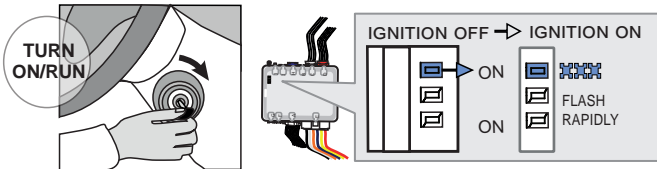


3



Insert the required remaining connectors.

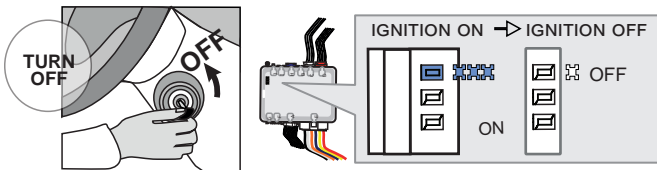
4



Turn the key to the Ignition ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the key to the OFF position.

↳ The BLUE LED will turn off.

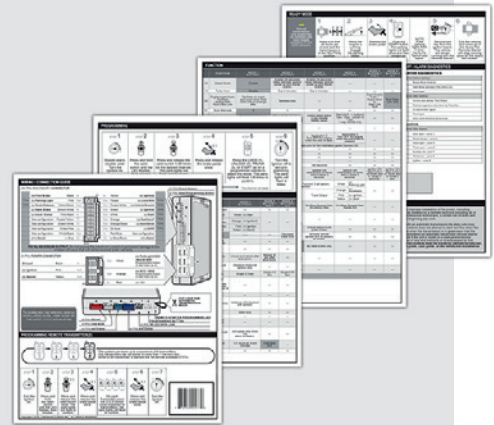


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY



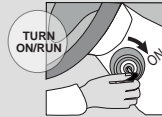
All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.





The vehicle can now be put in to gear and driven.


REGULAR INSTALLATION


ADDENDUM - SUGGESTED WIRING CONFIGURATION


Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness available (sold separately)	Lock	Unlock	Horn	Trunk (open)	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote stand Alone compatible
																
HYUNDAI																
Venue	2020-2021	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	BYPASS FIRMWARE VERSION 76.[60] <small>MINIMUM</small>	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
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	IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	A11	OFF	Hood trigger (Output Status).
---	---	------------	------------	-------------------------------

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		14	2	Alarm ON - Remote-starter ON

Program remote starter option for R.S. OEM REMOTE STAND ALONE:	38	2	Enable Press 3x Lock to remote start with the OEM remote.
---	-----------	----------	---

OR

38	4	Enable: Alarm controled by OEM Remote.
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NOTES

**OEM Remote monitoring The vehicle's OEM remote will operate while the engine is running.

MANDATORY INSTALL

* **HOOD PIN CONTACT**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

NON

SECURITY STICKER



Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

PARTS REQUIRED

			Parts required (Not included)	PAGE
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WIRE TO WIRE DIAGRAM

AUTOMATIC TRANSMISSION	1x Relay	1x Relai	Page 4
MANUAL TRANSMISSION	1x Relay	1x Relai	Page 5

THARNESSE DIAGRAM

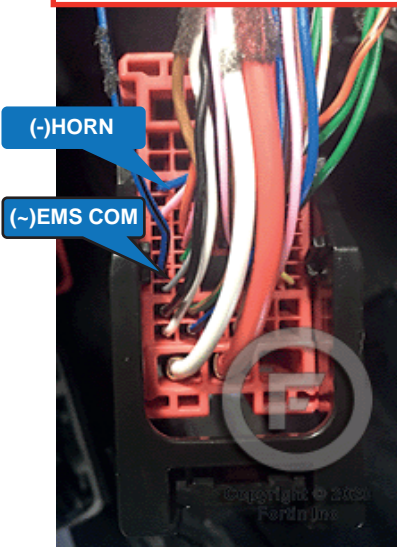
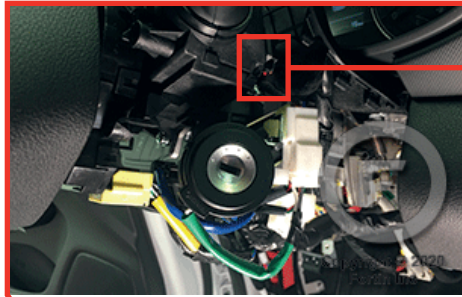
THARNESSE THAR-ONE-KHY2	AUTOMATIC TRANSMISSION	1x Relay 1x THAR-ONE-KHY2	1x Relai 1x THAR-ONE-KHY2	Page 6
THARNESSE THAR-ONE-KHY2	MANUAL TRANSMISSION	1x Relay 1x THAR-ONE-KHY2	1x Relai 1x THAR-ONE-KHY2	Page 7

DESCRIPTION

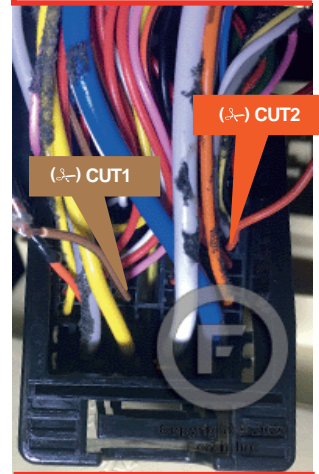
① In the driver's side kick panel



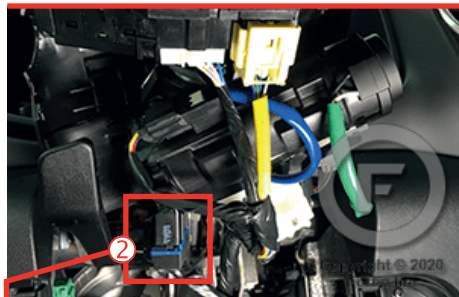
③ At Parking light harness, above key barrel



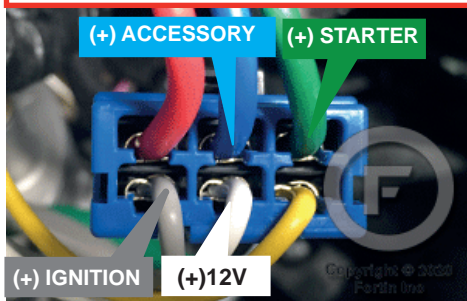
④ Behind the fuse box



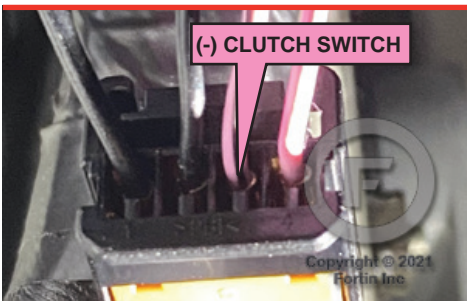
② Under steering column



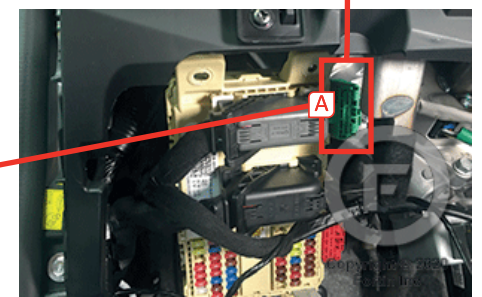
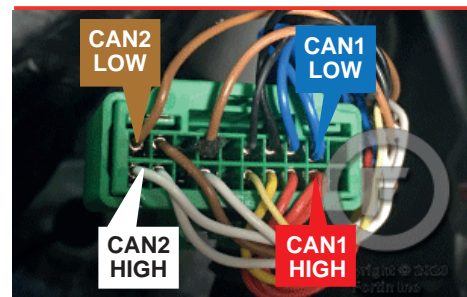
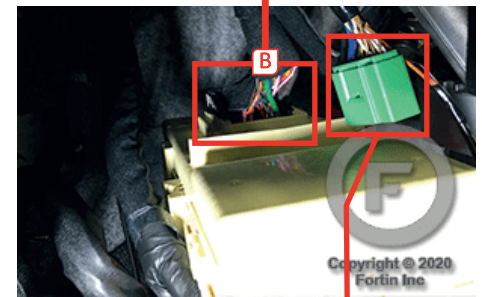
② Ignition switch



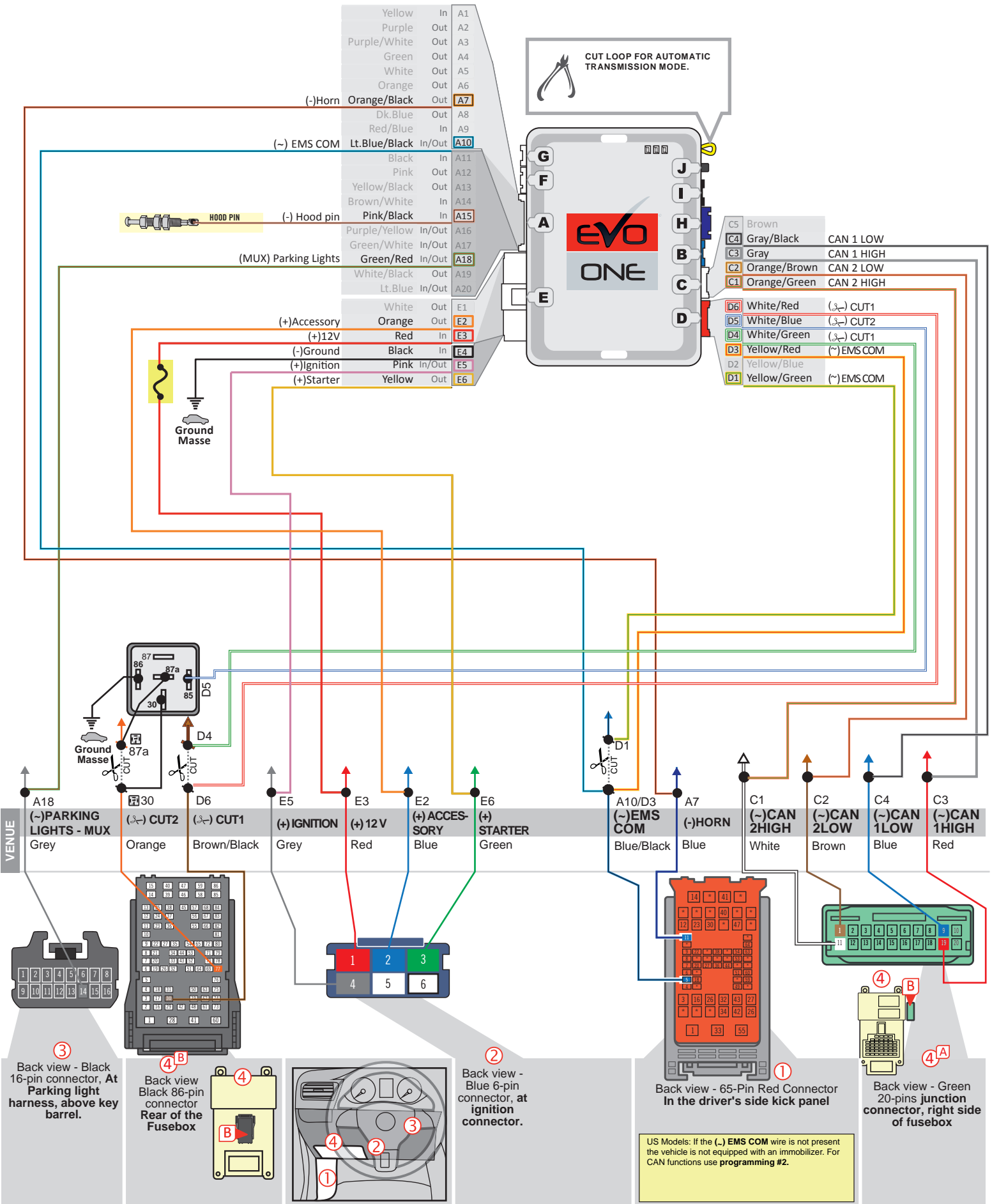
⑤ Clutch switch



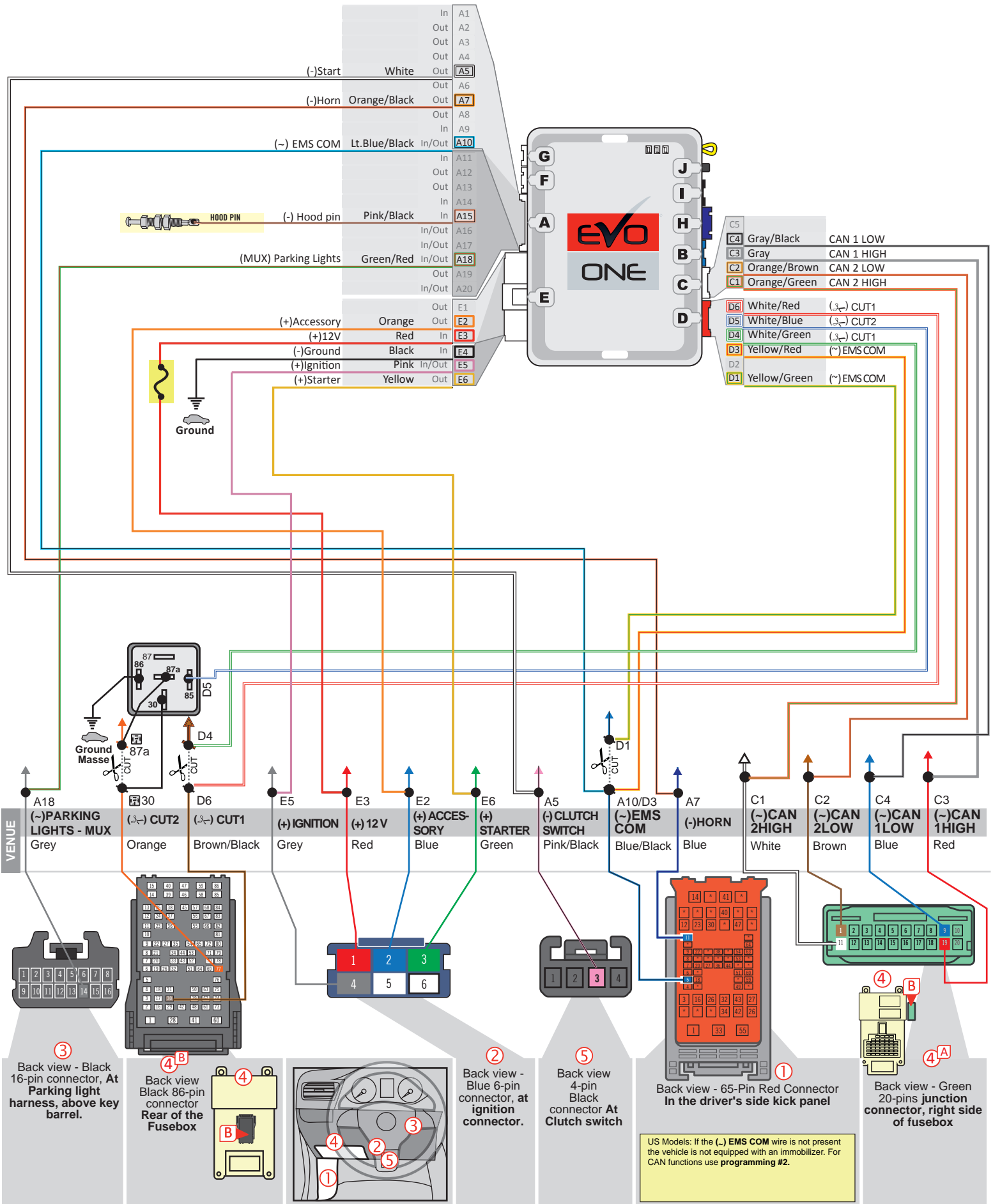
④



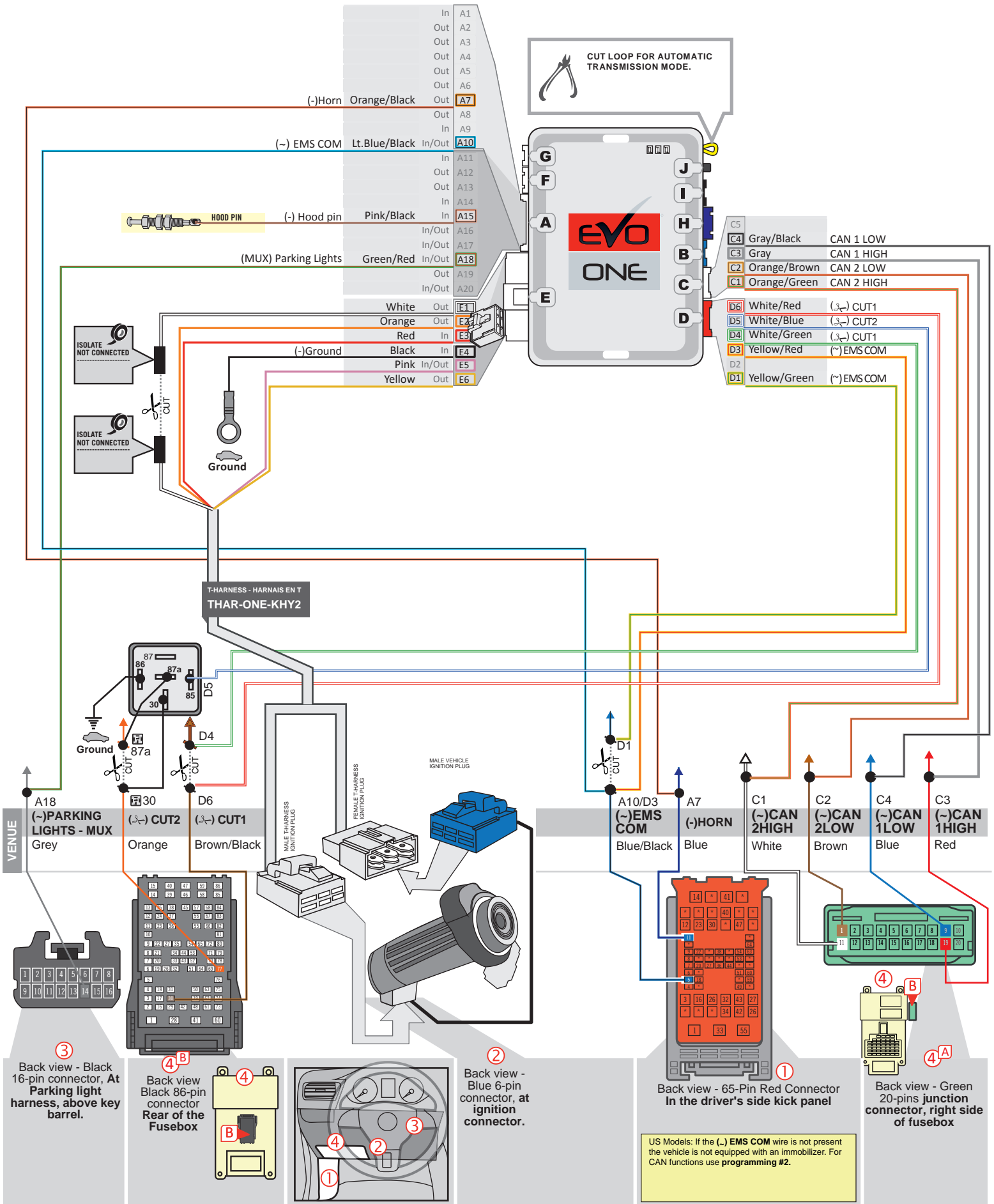
AUTOMATIC TRANSMISSION WIRING CONNECTION



MANUAL TRANSMISSION WIRING CONNECTION



THAR-ONE-KHY2 | WIRING AUTOMATIC CONNECTION



③ Back view - Black 16-pin connector, At Parking light harness, above key barrel.

④B Back view Black 86-pin connector Rear of the Fusebox

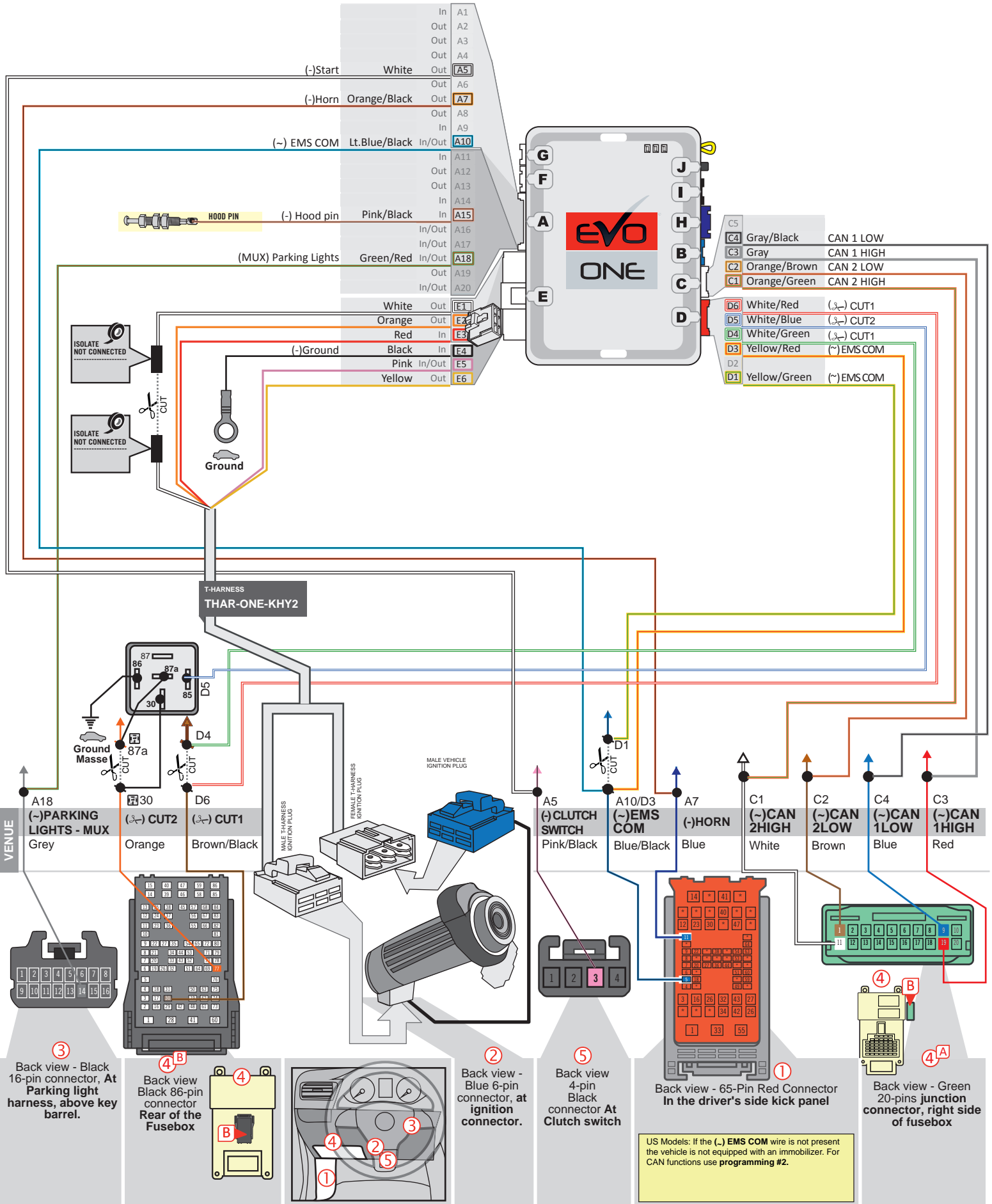
① ② ③ ④

② Back view - Blue 6-pin connector, at ignition connector.

① Back view - 65-Pin Red Connector In the driver's side kick panel

④A Back view - Green 20-pins junction connector, right side of fusebox

THAR-ONE-KHY2 | WIRING MANUAL CONNECTION



③ Back view - Black 16-pin connector, At Parking light harness, above key barrel.

④B Back view Black 86-pin connector Rear of the Fusebox

① ② ③ ④ ⑤

② Back view - Blue 6-pin connector, at ignition connector.

⑤ Back view 4-pin Black connector At Clutch switch

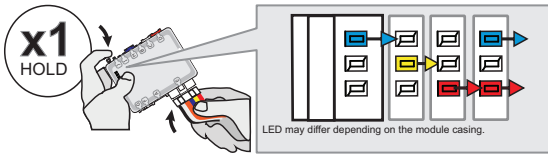
① Back view - 65-Pin Red Connector In the driver's side kick panel

④A Back view - Green 20-pins junction connector, right side of fusebox

US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

KEY BYPASS PROGRAMMING PROCEDURE

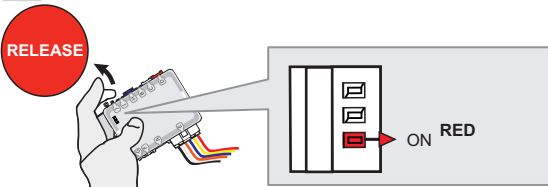
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

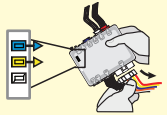
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

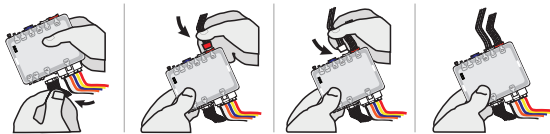


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

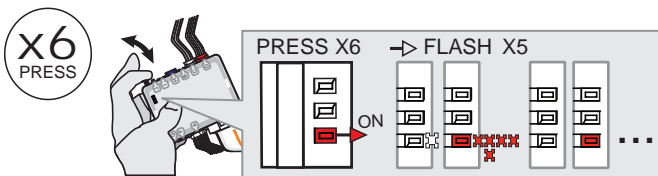


3



Insert the required remaining connectors.

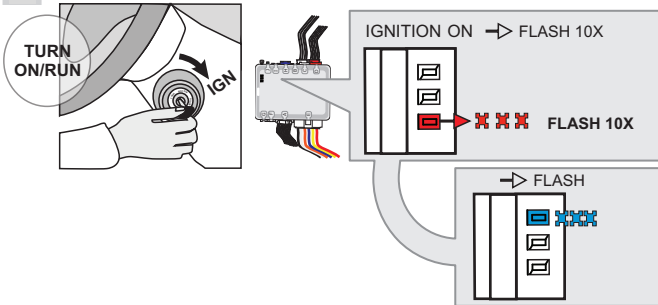
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

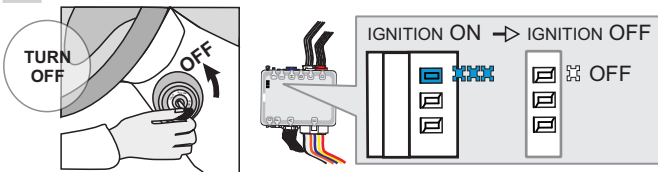


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

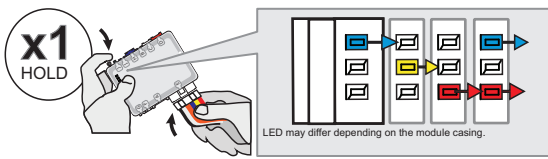


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

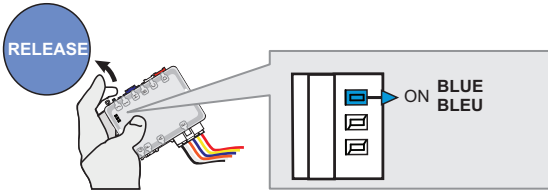
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

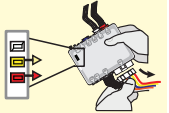
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

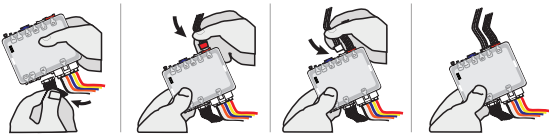


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON solid** **disconnect** the 6-Pin Main connector and **go back** to step 1.

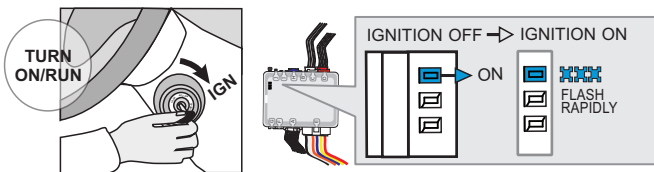


3



Insert the required remaining connectors.

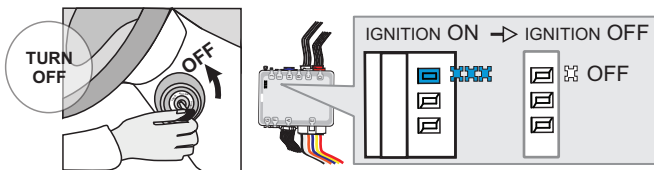
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.



The module is now programmed.

REMOTE STARTER FUNCTIONALITY |

MANUAL TRANSMISSION: READY MODE

BY DEFAULT

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Press the START button for 3 seconds. <i>The parking lights will flash once and then remain on.</i>	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors. The engine will stop running once all the doors are closed.	

CHOICE 2

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Press the START button for 3 seconds. <i>The parking lights will flash once and then remain on.</i>	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors.	Lock the doors with the remote-starter remote or the OEM remote. The engine will stop running.	

CHOICE 3

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors. The engine will stop running once all the doors are closed.	

TAKE OVER AUTOMATIQUE TRANSMISSION -

All doors must be closed.	Remote start the vehicle.	Unlock the doors with the remote-starter remote or the OEM remote.	Insert and Turn the key to the Ignition ON/RUN position.	Press the brake pedal.	The vehicle can now be put in to gear and driven.

REGULAR AND THAR-ONE-KHY2 THARNNESS INSTALLATION ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped).



VEHICLE

YEARS

Immobilizer bypass	T-Harness available (sold separately)	Lock	Unlock	Arm	Disarm	RAP Disable	Trunk (open)	Tachometer	Door Status	Auto-light	Parking Lights	Secure take over	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote stand Alone compatible	
KIA	Carnival	2022	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	COMPATIBLE MODULE REQUIRED:	QR CODE ON THE LABEL MANUFACTURED AFTER: 2019	FIRMWARE VERSION	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
			91.[04] MINIMUM	

	Program bypass option:	UNIT OPTION		DESCRIPTION
		C1		OEM Remote status (Lock/Unlock) monitoring

	IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION		DESCRIPTION
		A11	OFF	Hood trigger (Output Status).

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		34	3	Trunk output : Unlock before trunk pulse 0.5 sec

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

PARTS REQUIRED

	Parts required (Not included)	PAGE
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WIRE TO WIRE DIAGRAM

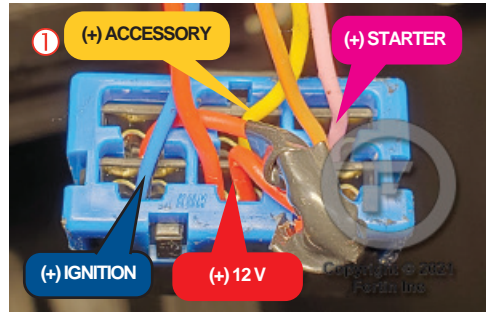
	1x Relay	Page 4
--	----------	--------

THARNESS DIAGRAM

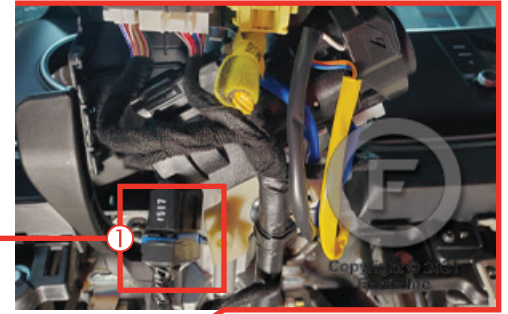
THARNESS THAR-ONE-KHY2	1x Relay 1x THAR-ONE-KHY2	Page 5
---------------------------	------------------------------	--------

DESCRIPTION

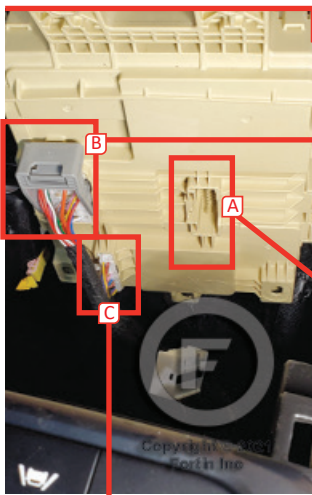
③ At headlight-wiper switch



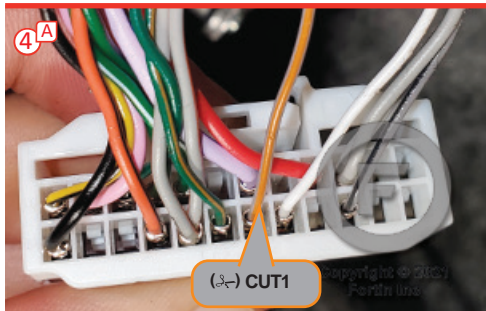
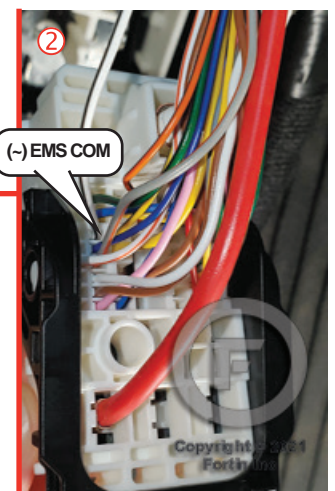
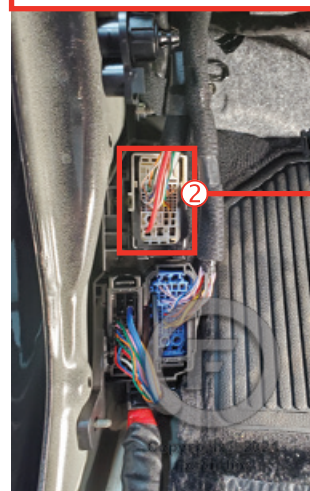
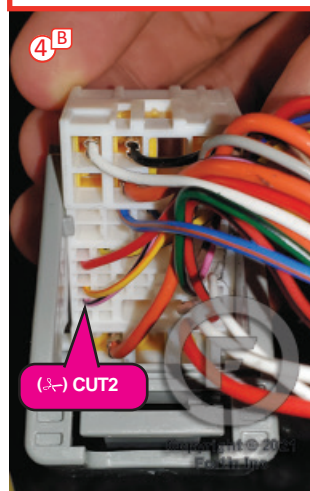
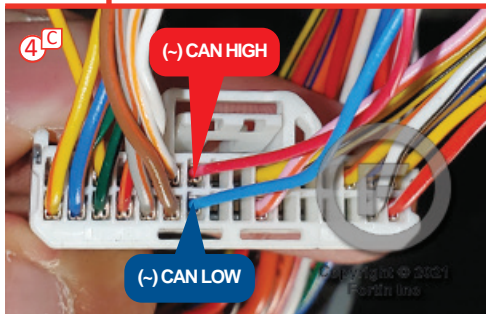
① At Ignition harness



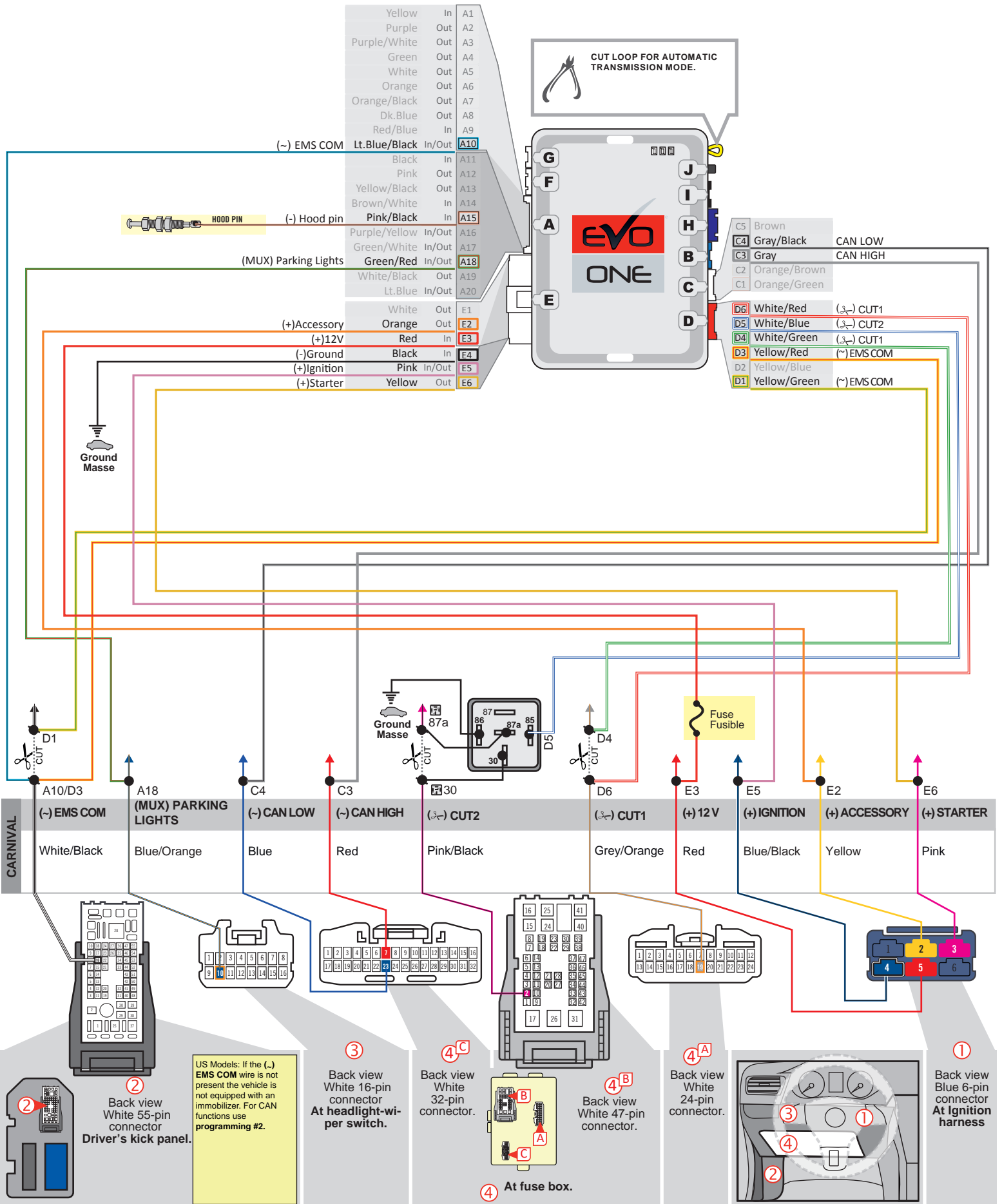
④ At fuse box.



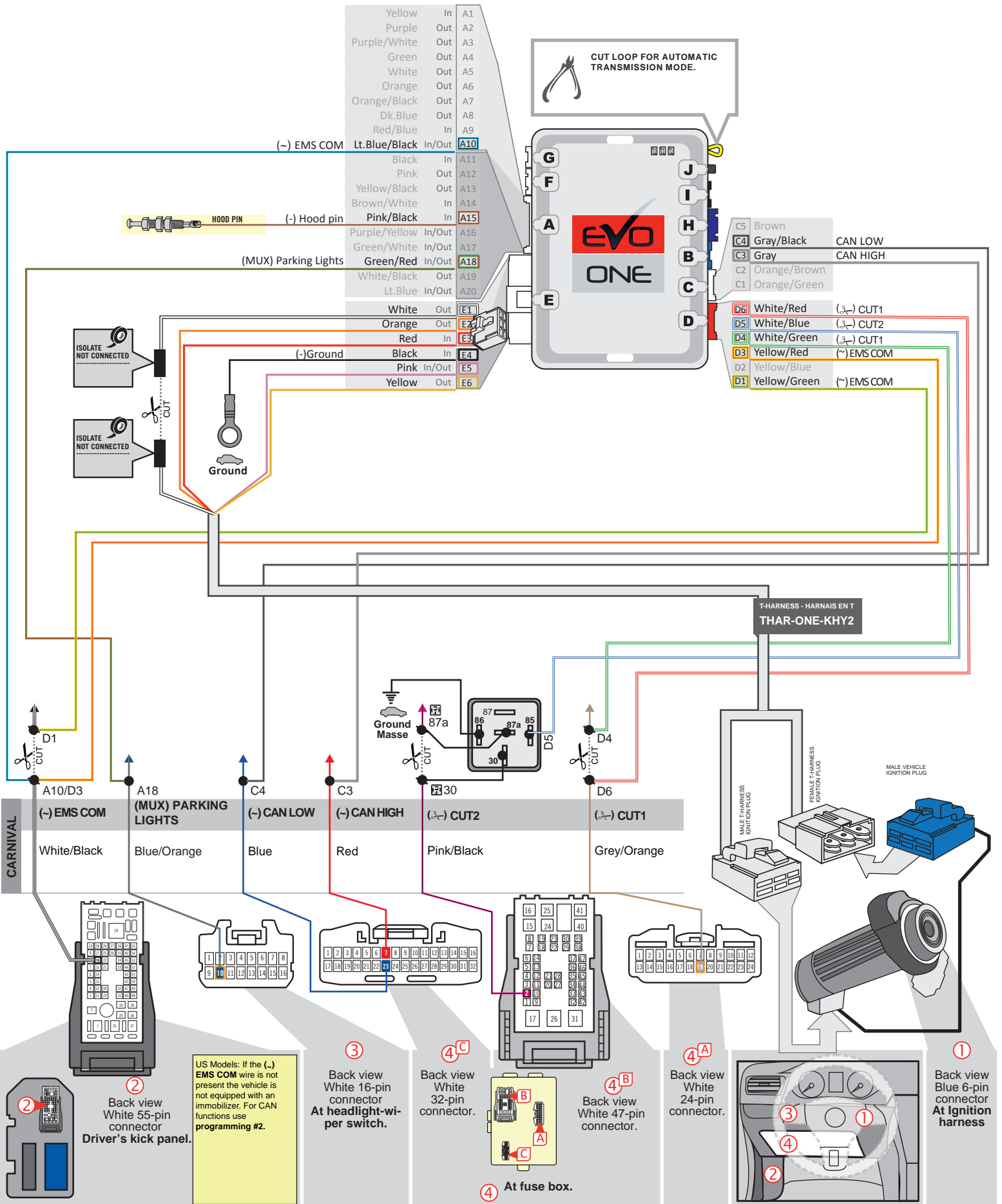
② Driver's kick panel



WIRING CONNECTION

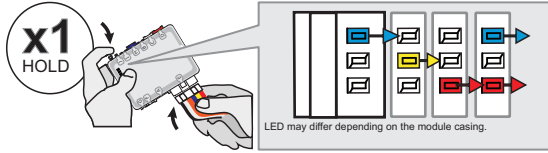


THAR-ONE-KHY2 - T-HARNESS WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE PROGRAMMING PROCEDURE | PROCÉDUR

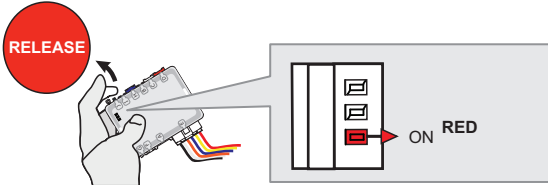
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

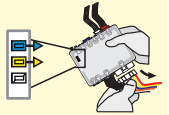
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

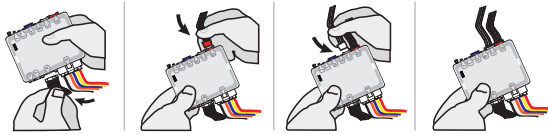


Release the programming button when the LED is **RED**.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

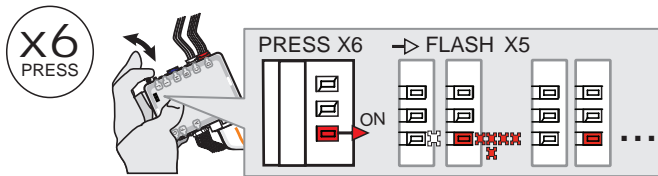


3



Insert the required remaining connectors.

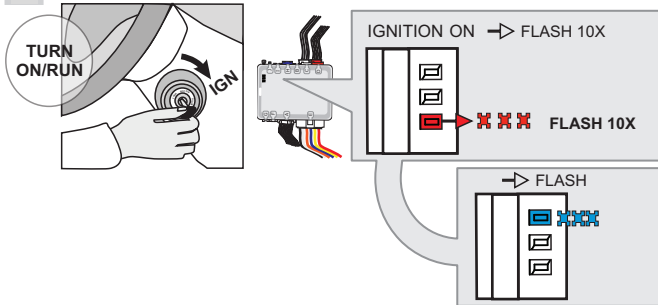
4



Press and release the programming button 6 times (6x).

↳ The **RED** LED will flash 5 times and pause.

5

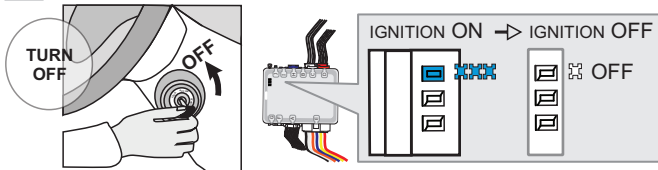


Turn the Ignition to the **ON/RUN** position.

↳ The **RED** LED will flash rapidly 10x times.
Key bypass programmed.

↳ The **BLUE** LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the **OFF** position.

↳ The **BLUE** LED will turn off.

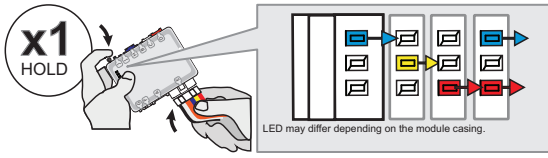


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

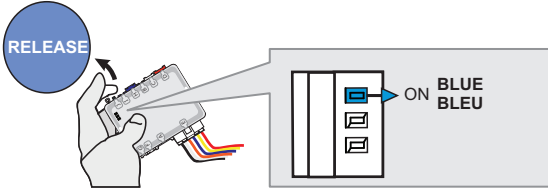
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

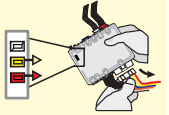
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

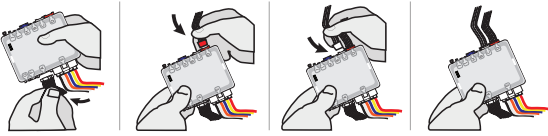


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

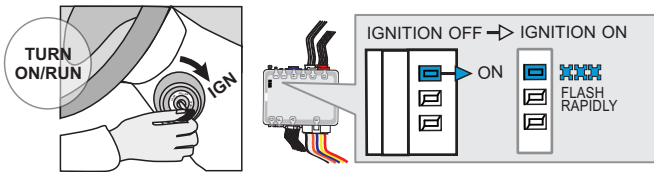


3



Insert the required remaining connectors.

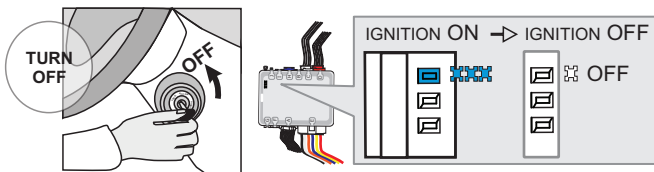
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

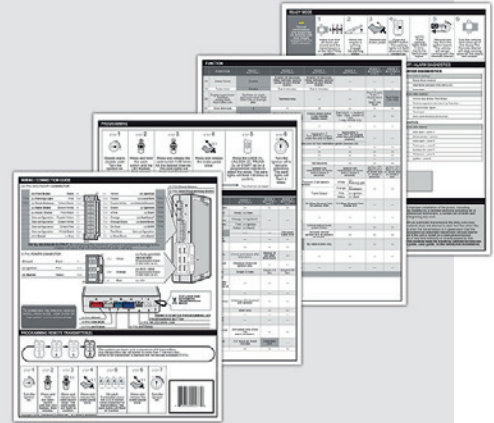


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

REGULAR AND THAR-ONE-KHY2 THARNNESS INSTALLATION ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped).

VEHICLE	YEARS	Immobilizer bypass	T-Harness available (sold separately)	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote stand Alone compatible
HYUNDAI																		
Elantra	2021	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	UNIT OPTION	DESCRIPTION
	C1	OEM Remote status (Lock/Unlock) monitoring

	FUNCTION	MODE	DESCRIPTION
	38	2	Enable Press 3x Lock to remote start with the OEM remote.

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

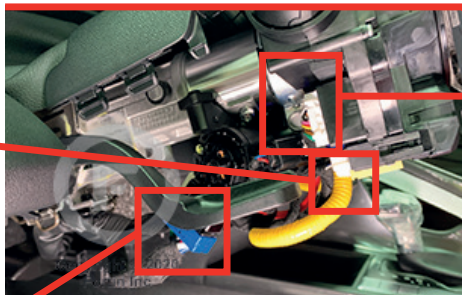
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

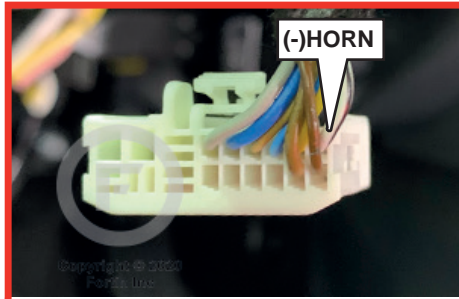
④ At Parking light harness, above key barrel



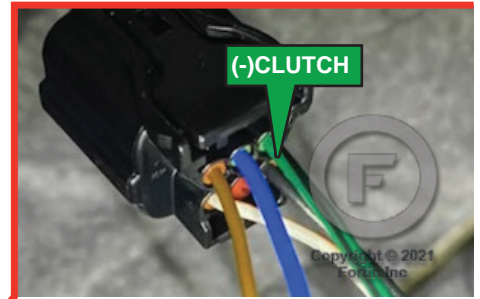
Under steering column



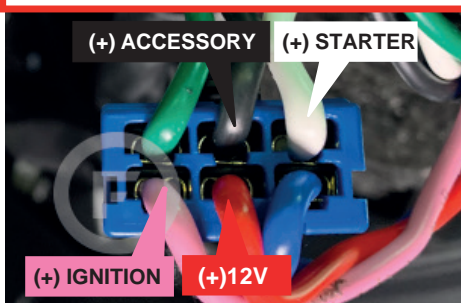
③ Horn connector



⑤ At clutch switch



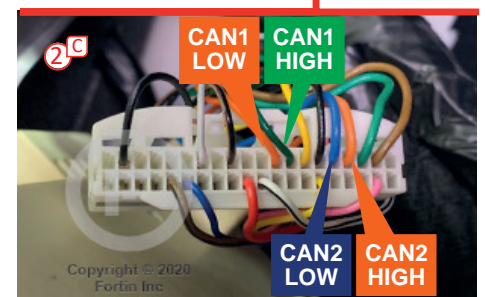
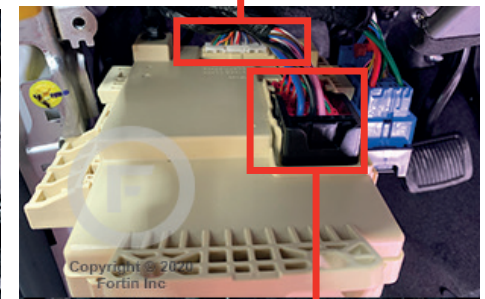
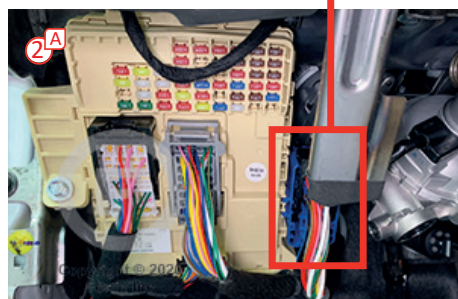
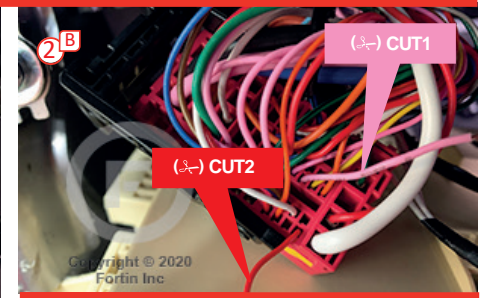
① Ignition switch



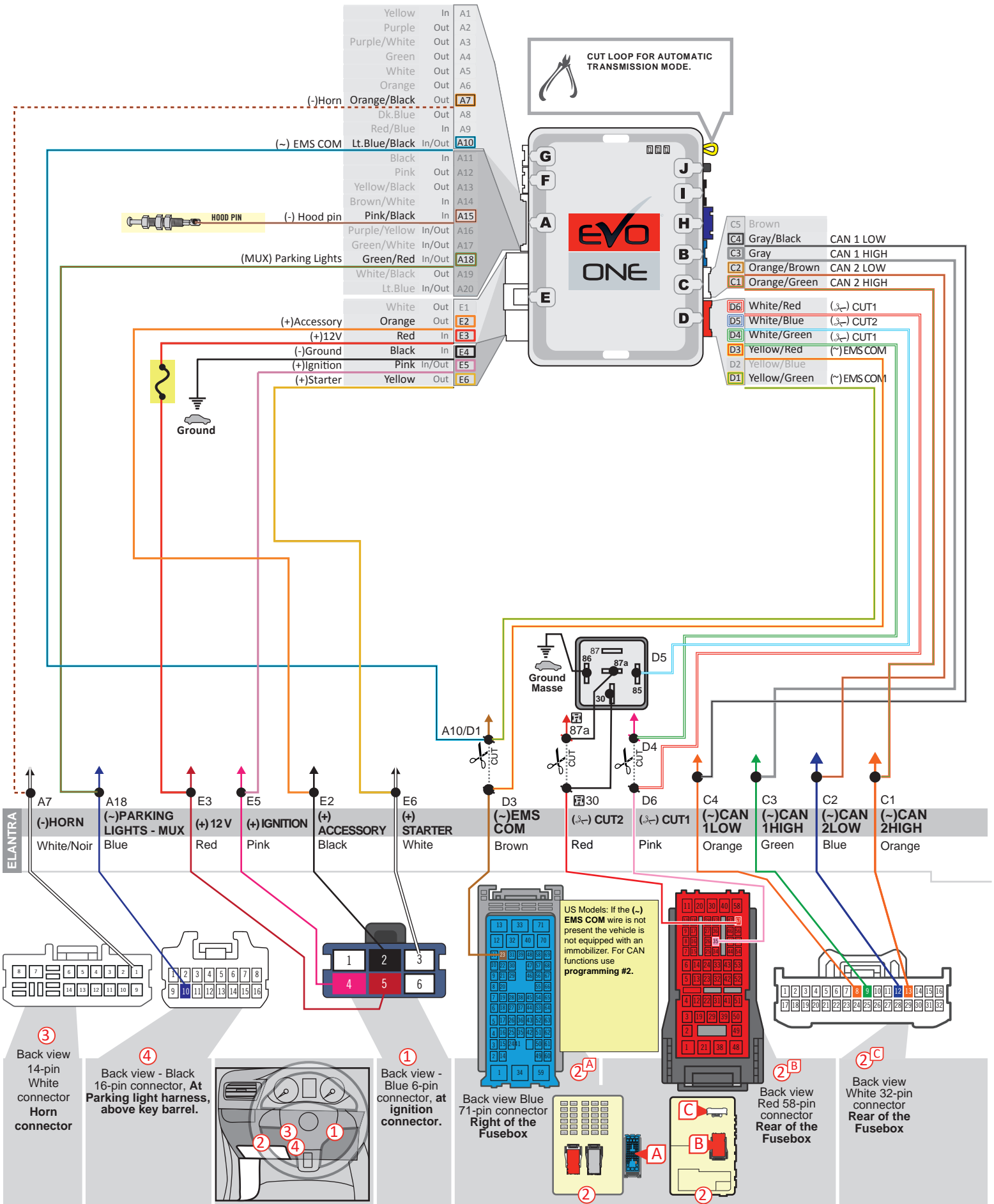
② Right of the fuse box



Behind the fuse box

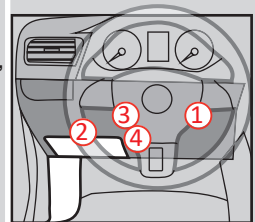


AUTOMATIC TRANSMISSION WIRING CONNECTION



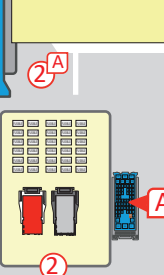
③ Back view 14-pin White connector Horn connector

④ Back view - Black 16-pin connector, At Parking light harness, above key barrel.



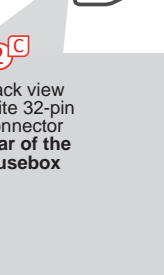
① Back view - Blue 6-pin connector, at ignition connector.

Back view Blue 71-pin connector Right of the Fusebox

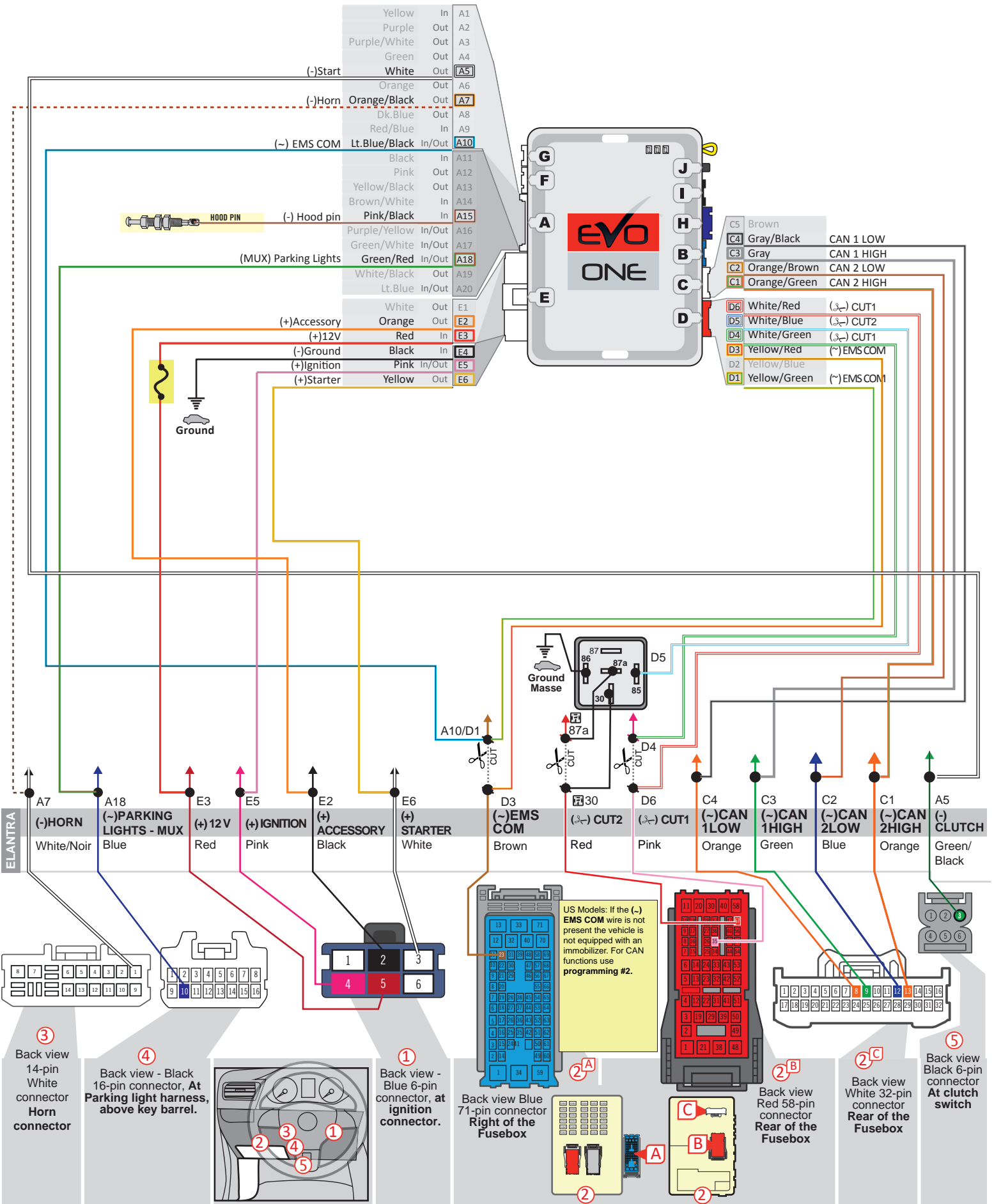


Back view Red 58-pin connector Rear of the Fusebox

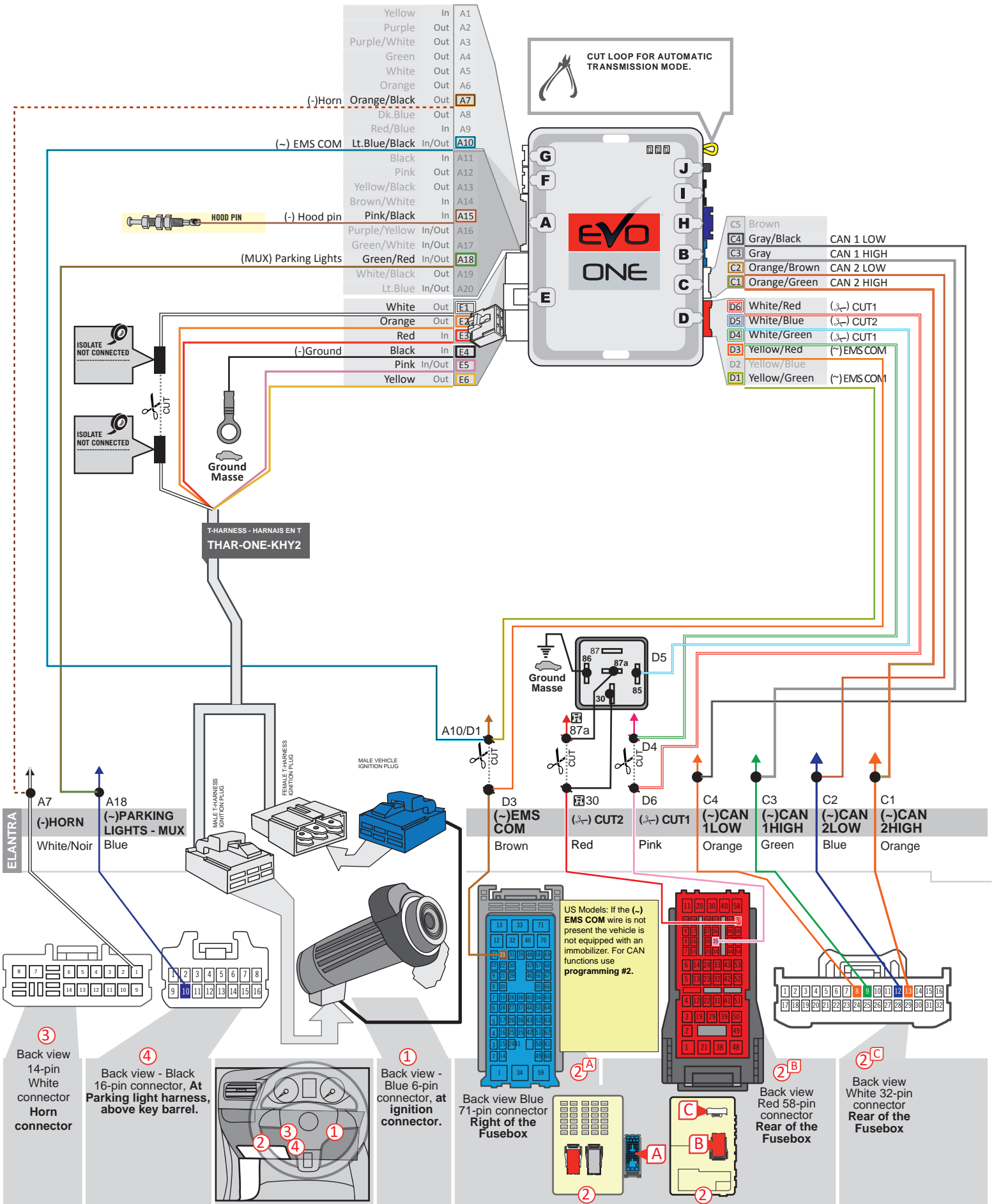
Back view White 32-pin connector Rear of the Fusebox



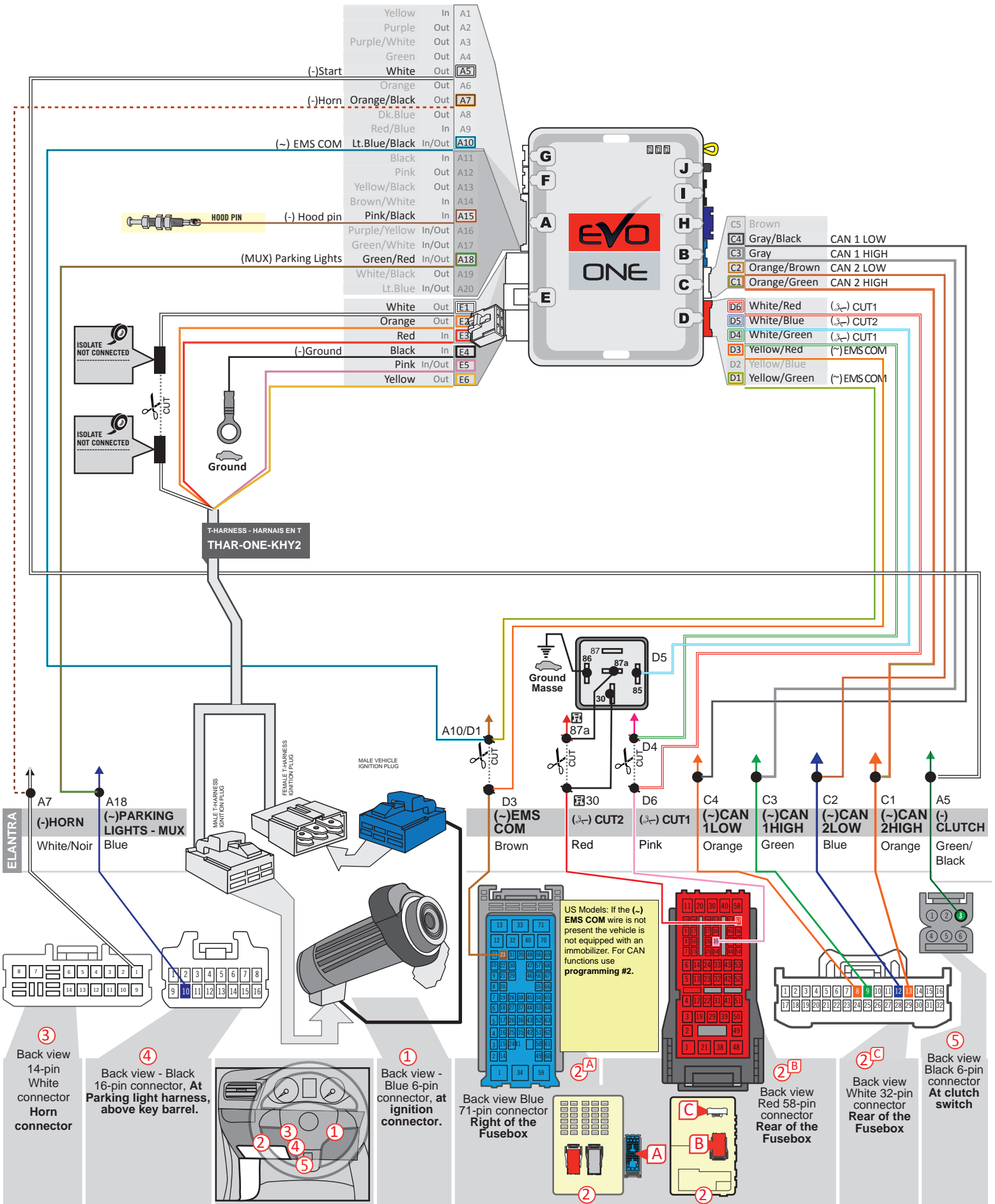
MANUAL TRANSMISSION WIRING CONNECTION



THAR-ONE-KHY2 | WIRING AUTOMATIC CONNECTION

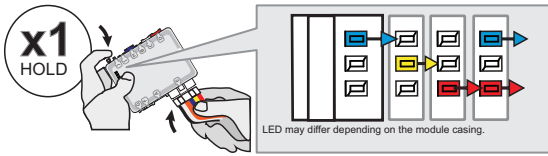


THAR-ONE-KHY2 | WIRING MANUAL CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

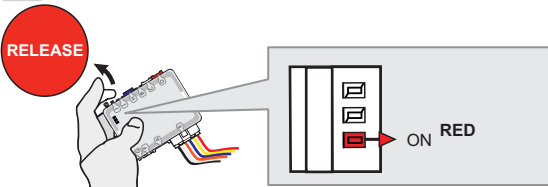
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

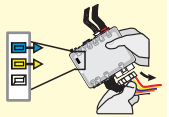
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

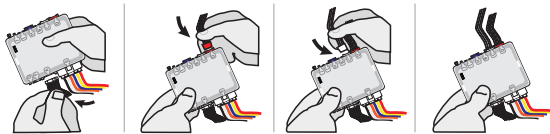


Release the programming button when the LED is **RED**.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

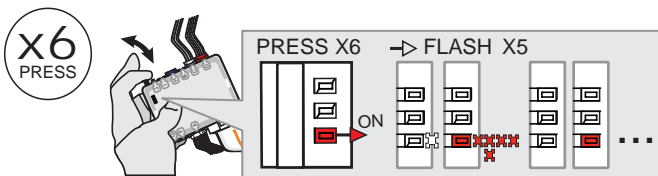


3



Insert the required remaining connectors.

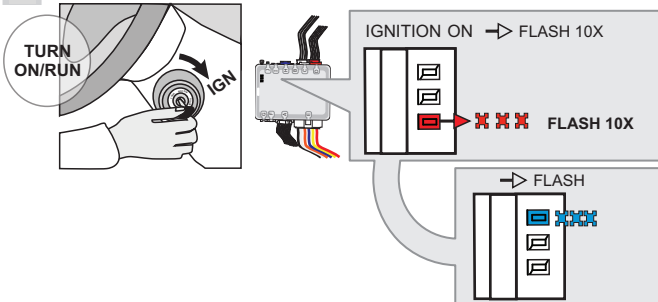
4



Press and release the programming button 6 times (6x).

↳ The **RED LED** will flash 5 times and pause.

5

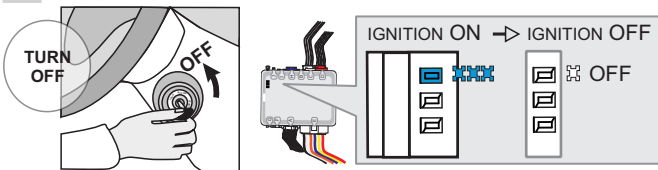


Turn the Ignition to the **ON/RUN** position.

↳ The **RED LED** will flash rapidly 10x times.
Key bypass programmed.

↳ The **BLUE LED** will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the **OFF** position.

↳ The **BLUE LED** will turn off.

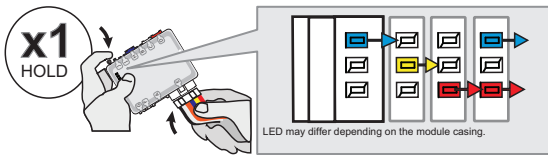


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE

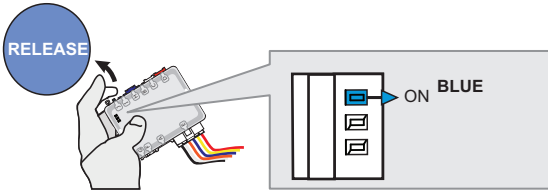
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

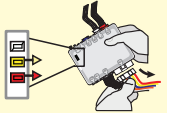
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

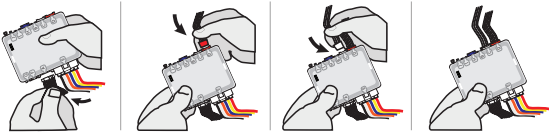


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

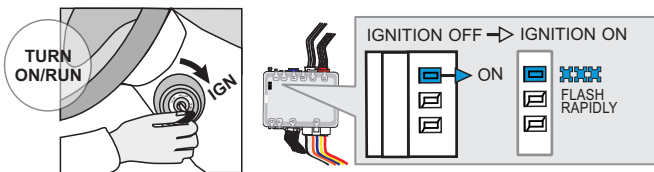


3



Insert the required remaining connectors.

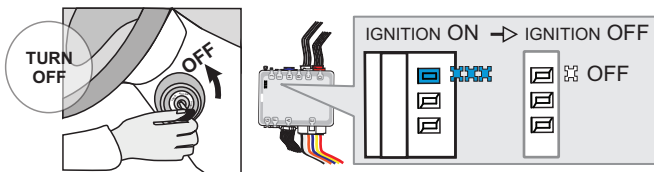
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.



The module is now programmed.

REMOTE STARTER FUNCTIONALITY

MANUAL TRANSMISSION: READY MODE

BY DEFAULT

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Press the START button for 3 seconds. <i>The parking lights will flash once and then remain on.</i>	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors. The engine will stop running once all the doors are closed.	

CHOICE 2

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Press the START button for 3 seconds. <i>The parking lights will flash once and then remain on.</i>	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors.	Lock the doors with the remote-starter remote or the OEM remote. The engine will stop running.	

CHOICE 3

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors. The engine will stop running once all the doors are closed.	

TAKE OVER AUTOMATIQUE TRANSMISSION

All doors must be closed.	Remote start the vehicle.	Unlock the doors with the remote-starter remote or the OEM remote.	Insert and Turn the key to the Ignition ON/RUN position.	Press the brake pedal.	The vehicle can now be put in to gear and driven.

REGULAR INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	RAP Disable	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**	R.S. OEM remote Stand Alone compatible
KIA																	
Rio	2021	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rio5	2021	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	<div style="background-color: red; color: white; padding: 2px 5px; display: inline-block;">OFF</div> <p>Hood trigger (Output Status).</p>

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

NOTES

****OEM Remote monitoring** The vehicles OEM remote will be operable when the engine is running.

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

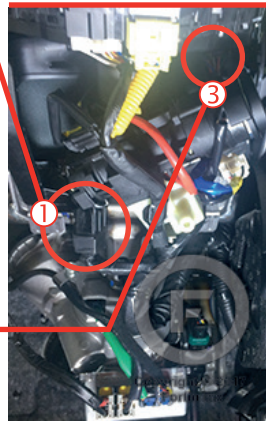
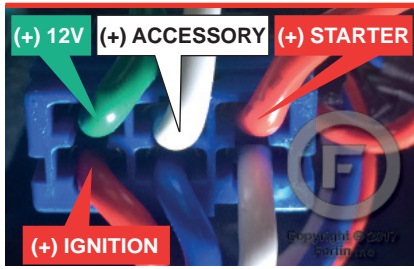
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

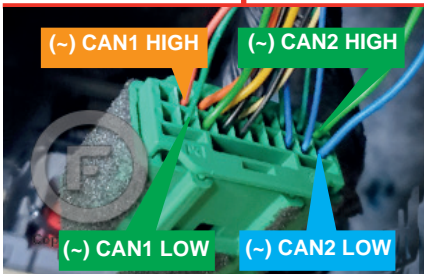
1 At Ignition Connector



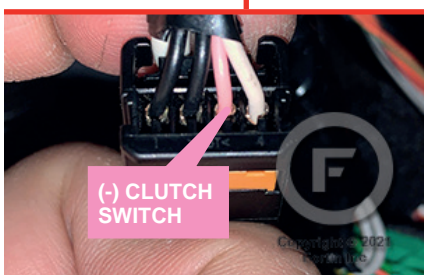
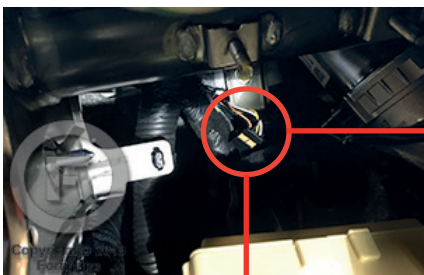
3 Under the wiper switch



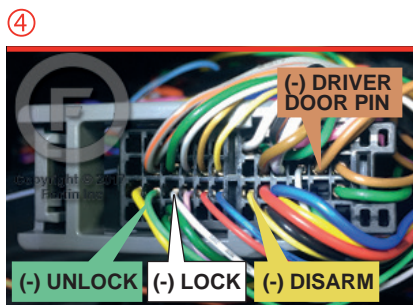
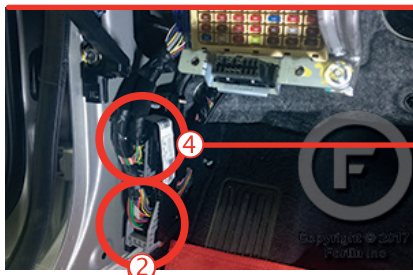
7 Junction connector Behind fuse Box



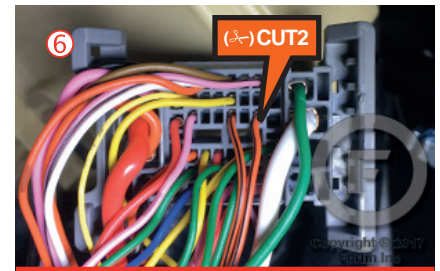
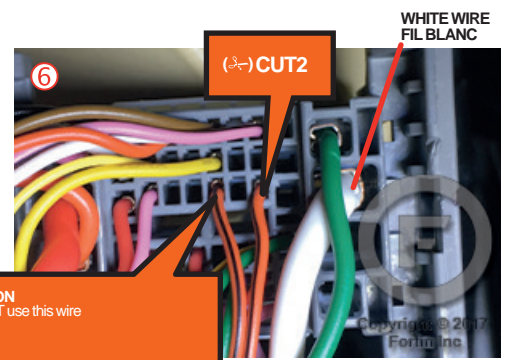
8 At clutch switch



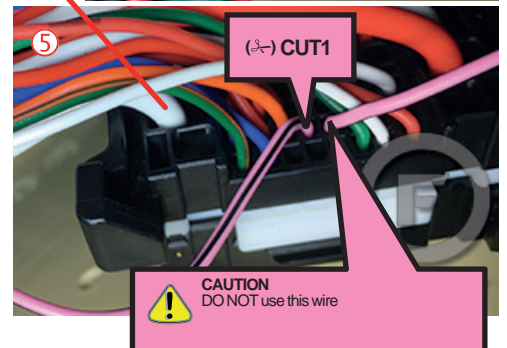
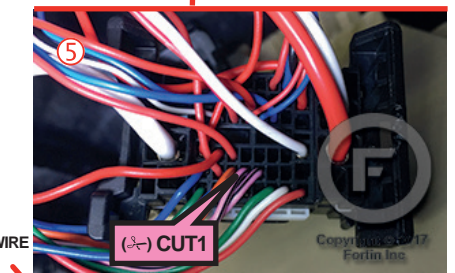
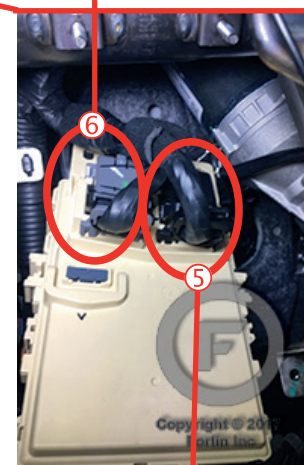
2 4 In the driver's side kick panel

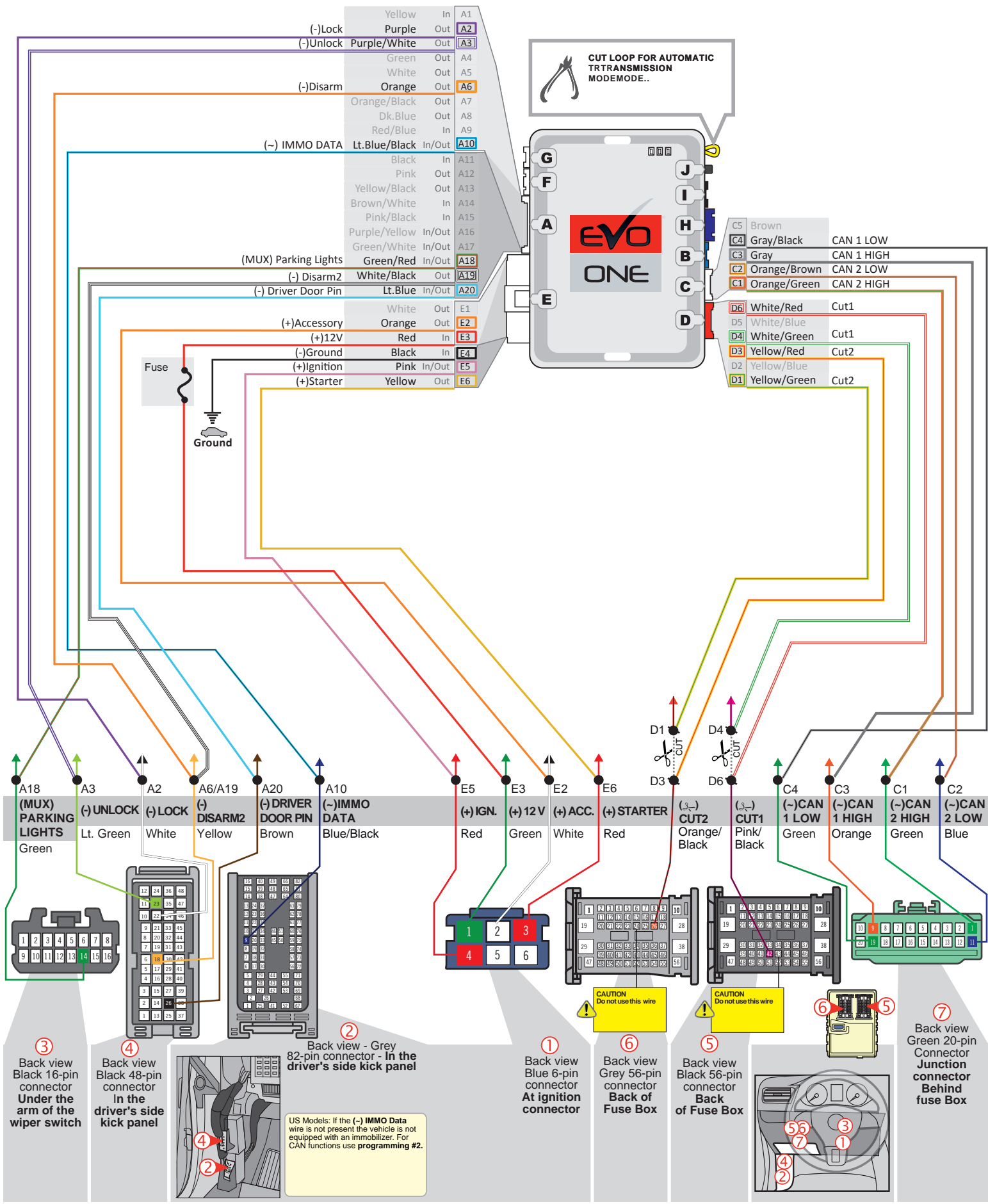


CAUTION DO NOT use this wire



5 6 Back of Fuse Box





3 Back view Black 16-pin connector Under the arm of the wiper switch

4 Back view Black 48-pin connector In the driver's side kick panel

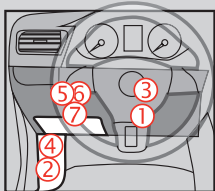


2 Back view - Grey 82-pin connector - In the driver's side kick panel

1 Back view Blue 6-pin connector At ignition connector

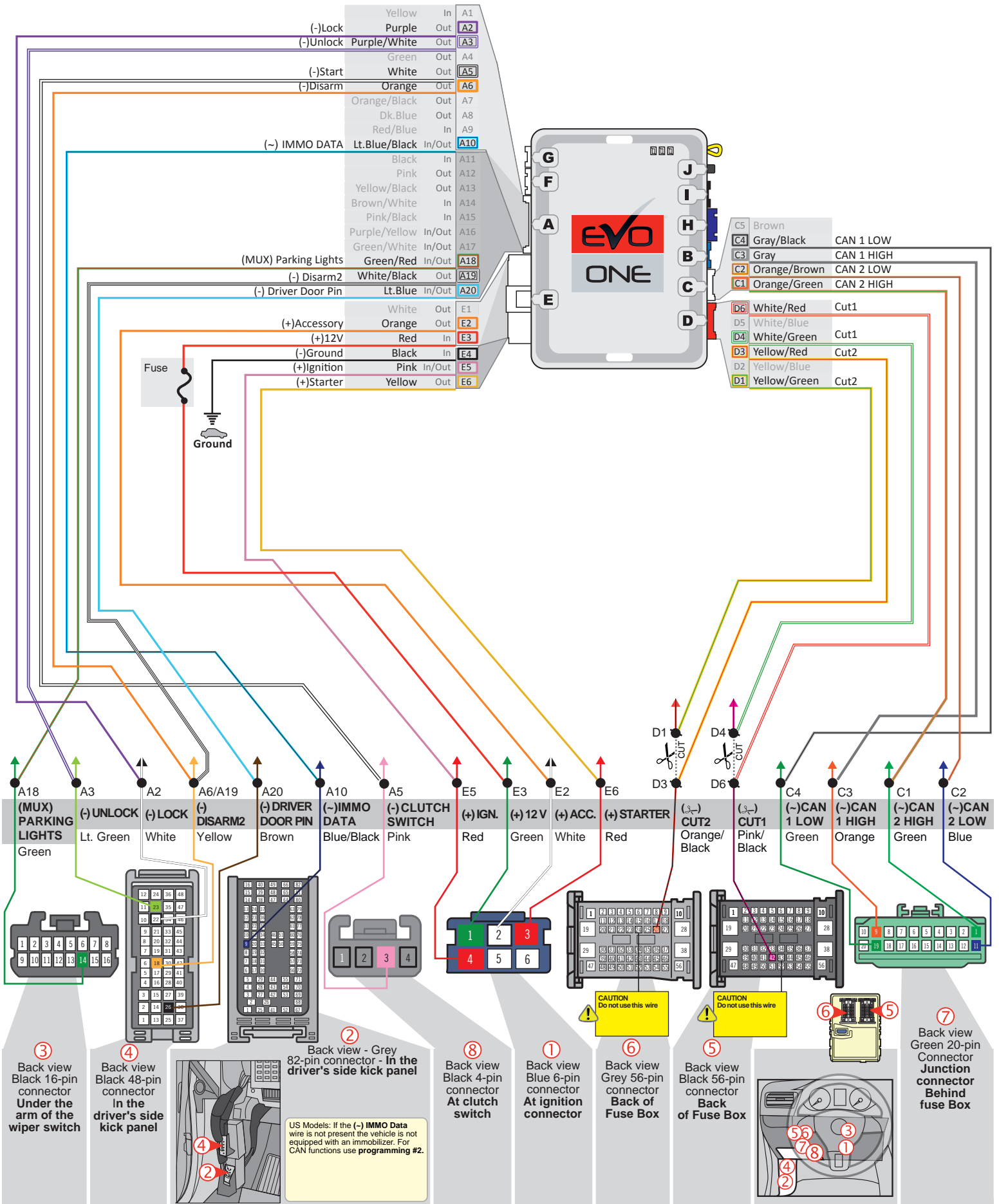
6 Back view Grey 56-pin connector Back of Fuse Box

5 Back view Black 56-pin connector Back of Fuse Box

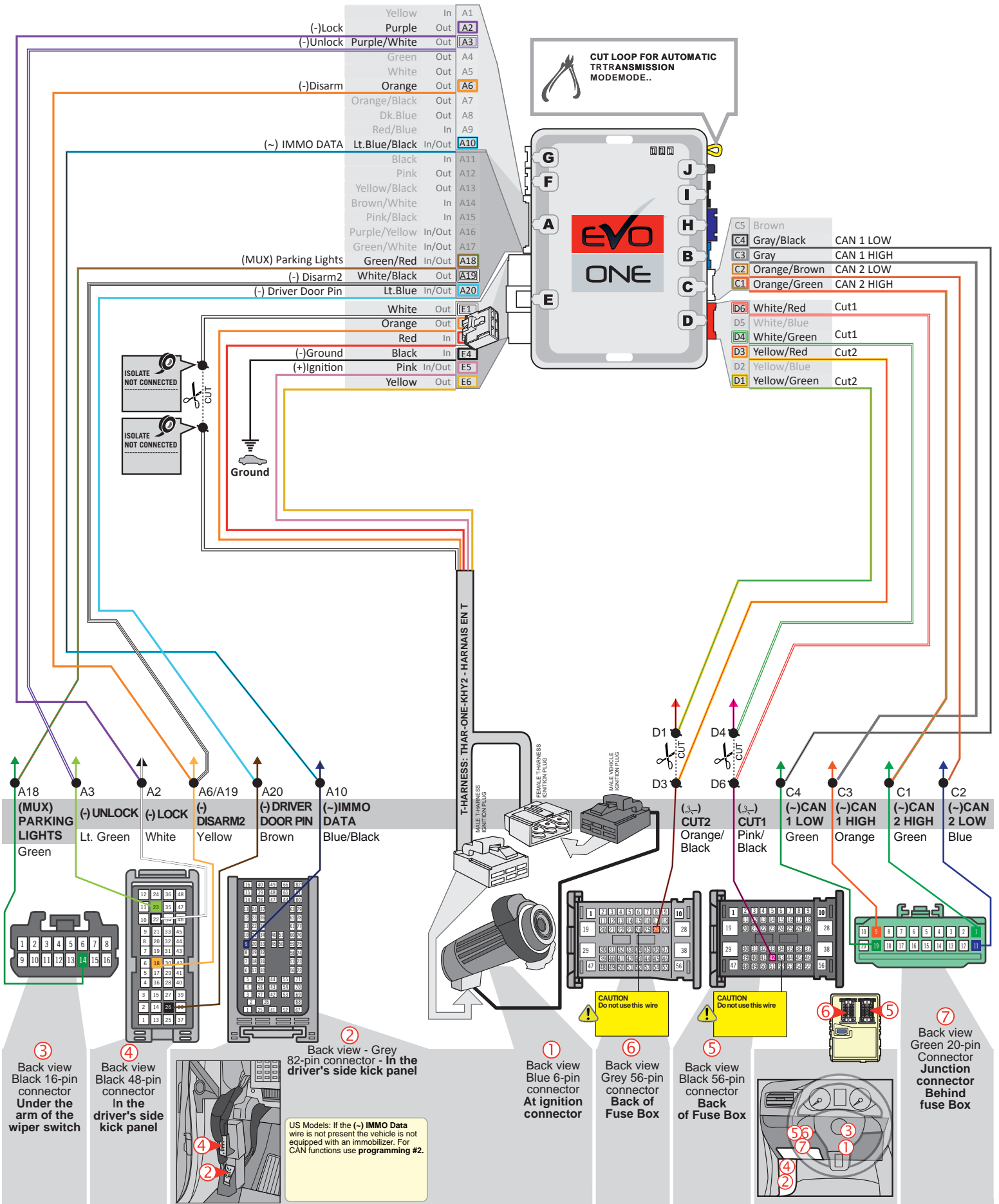


7 Back view Green 20-pin Connector Junction connector Behind fuse Box

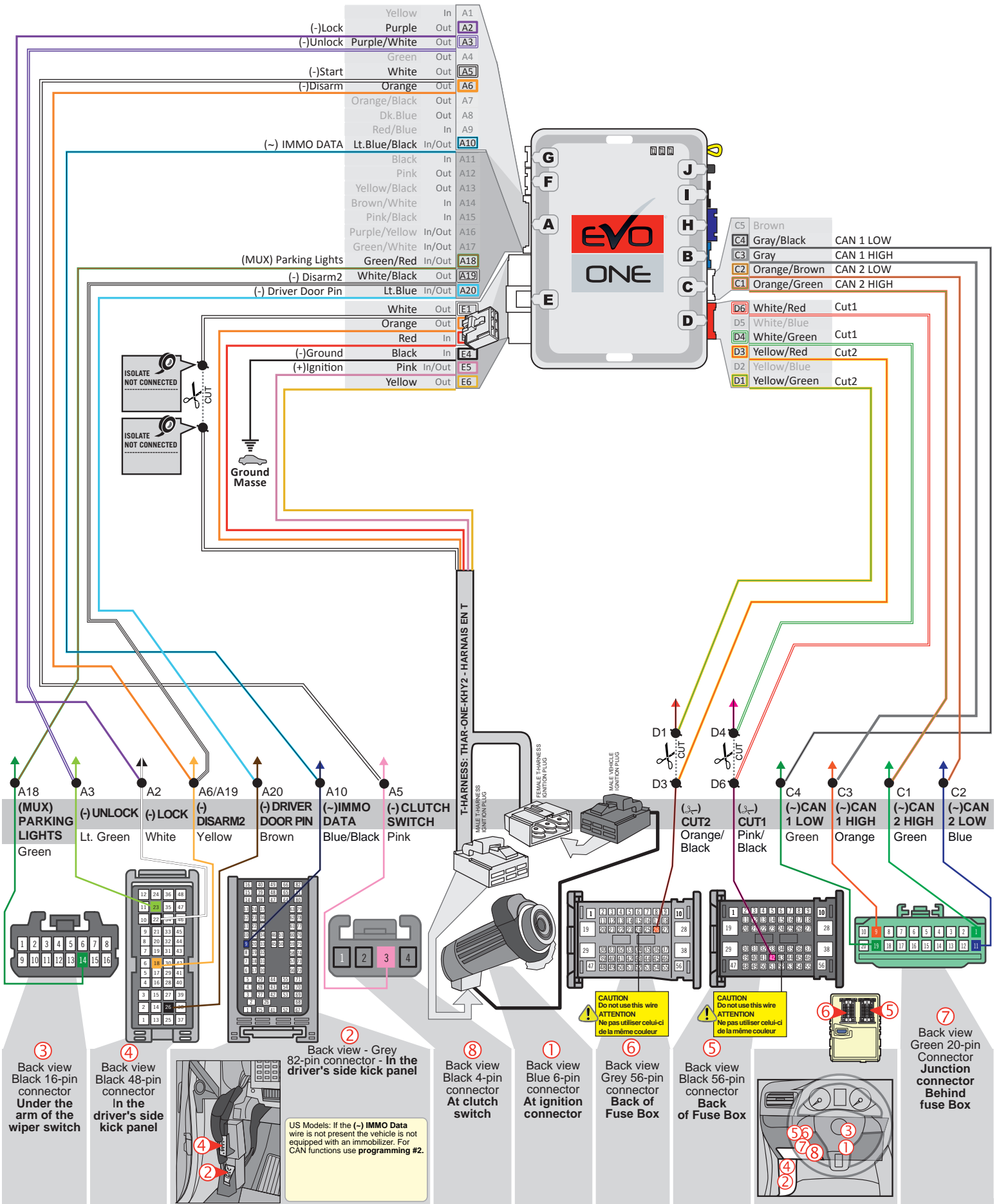
MANUAL TRANSMISSION WIRING CONNECTION



THAR-ONE-KHY2 | WIRING AUTOMATIC CONNECTION

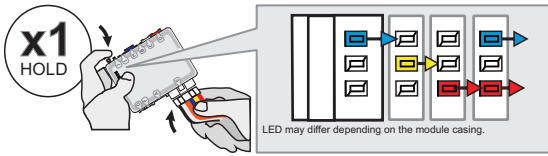


THAR-ONE-KHY2 | WIRING MANUAL CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

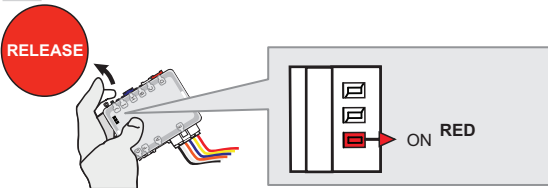
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

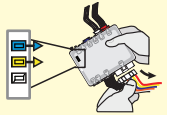
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

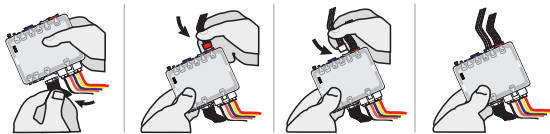


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

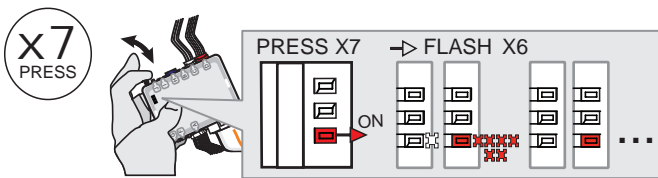


3



Insert the required remaining connectors.

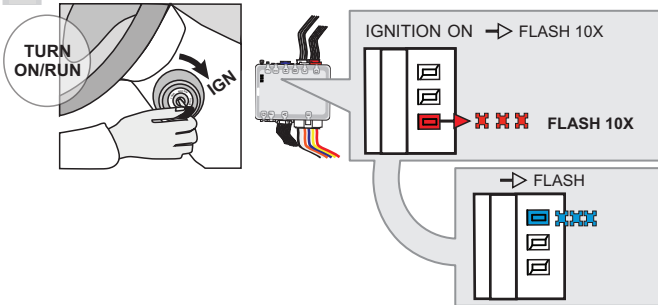
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

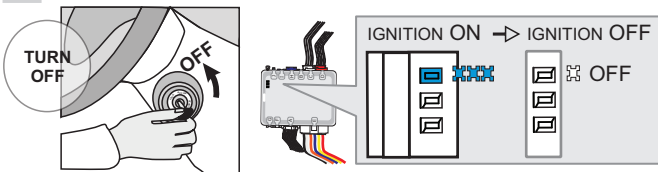


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

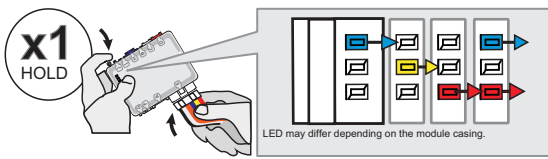


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAMMING PROCEDURE

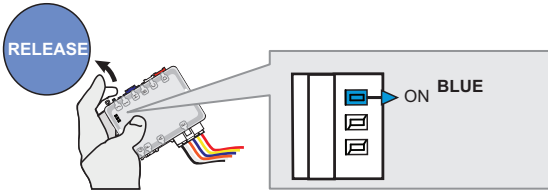
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

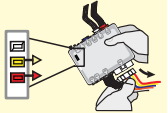
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

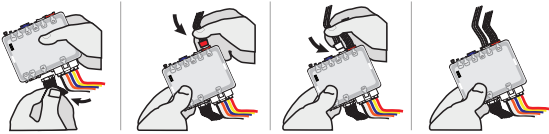


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

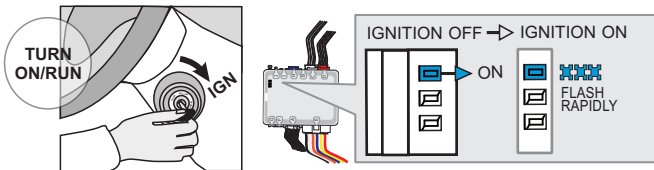


3



Insert the required remaining connectors.

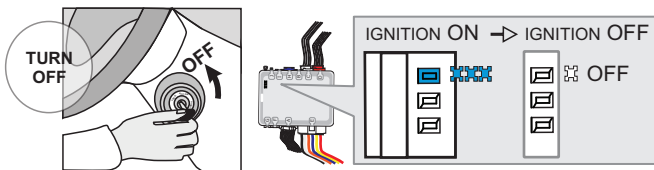
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.



The module is now programmed.

REMOTE STARTER FUNCTIONALITY

MANUAL TRANSMISSION: READY MODE

BY DEFAULT

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Press the START button for 3 seconds. <i>The parking lights will flash once and then remain on.</i>	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors. The engine will stop running once all the doors are closed.	

CHOICE 2

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Press the START button for 3 seconds. <i>The parking lights will flash once and then remain on.</i>	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors.	Lock the doors with the remote-starter remote or the OEM remote. The engine will stop running.	

CHOICE 3

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors. The engine will stop running once all the doors are closed.	

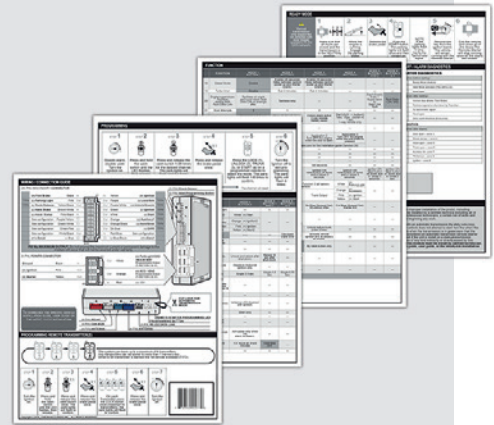
TAKE OVER AUTOMATIQUE TRANSMISSION

All doors must be closed.	Remote start the vehicle.	Unlock the doors with the remote-starter remote or the OEM remote.	Insert and Turn the key to the Ignition ON/RUN position.	Press the brake pedal.	The vehicle can now be put in to gear and driven.

REMOTE STARTER PROGRAMMING PROCEDURE



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REGULAR INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped).

VEHICLE	YEARS	Immobilizer bypass	T-Harness available (sold separately)	Lock	Unlock	Arm	Disarm	RAP Disable	Horn	Trunk (open)	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote stand Alone compatible	
KIA																				
Seltos	2021	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



Program bypass option:

UNIT OPTION

C1

DESCRIPTION

OEM Remote status (Lock/Unlock) monitoring



Program remote starter option for R.S. OEM REMOTE STAND ALONE:

FUNCTION

MODE

DESCRIPTION

38

2

Enable
Press 3x Lock to remote start with the OEM remote.

NOTES

**OEM Remote monitoring The vehicle's OEM remote will operate while the engine is running.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

PARTS REQUIRED

	Parts required (Not included)	PAGE
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WIRE TO WIRE DIAGRAM

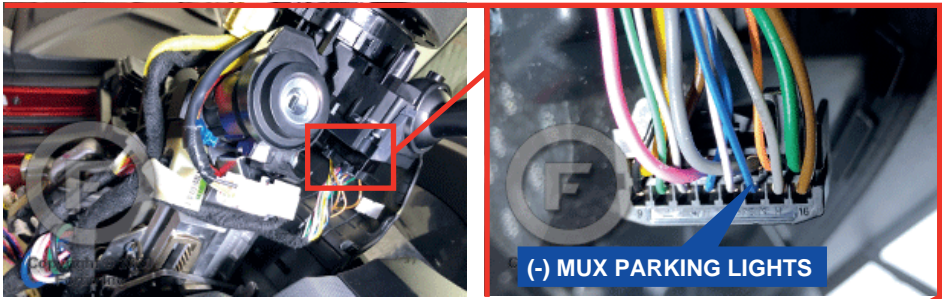
	1x Relay	Page 4
--	----------	--------

THARNESSE DIAGRAM

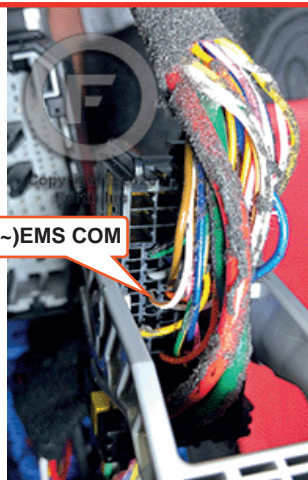
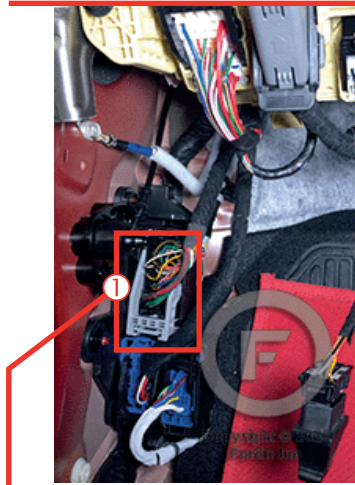
THARNESSE THAR-ONE-KHY2	1x Relay 1x THAR-ONE-KHY2	Page 5
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DESCRIPTION

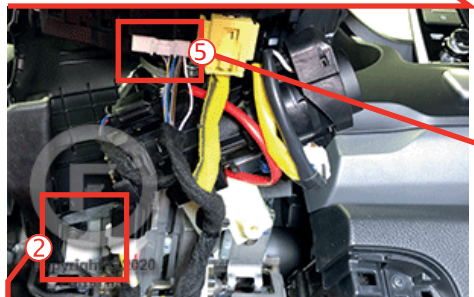
③ At Parking light harness



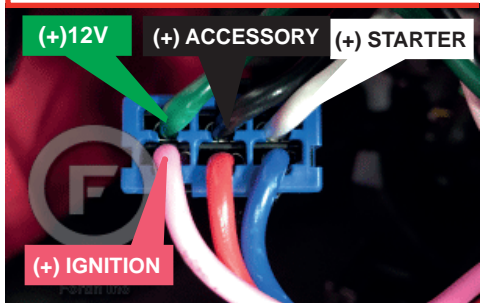
① In the driver's side kick panel



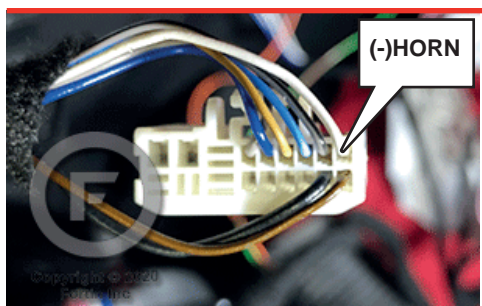
② Under steering column



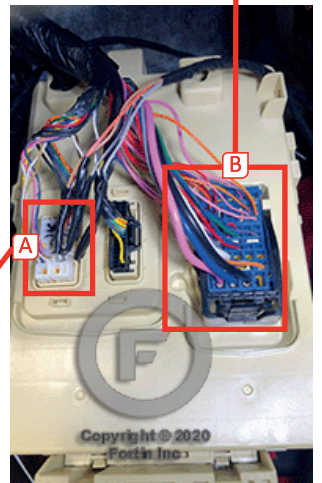
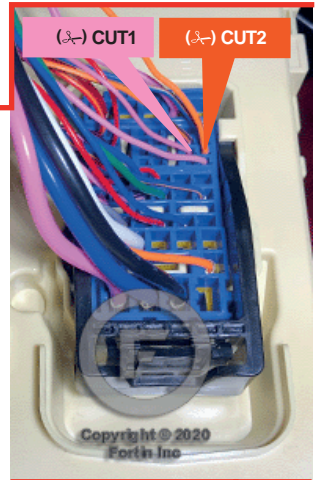
② Ignition switch



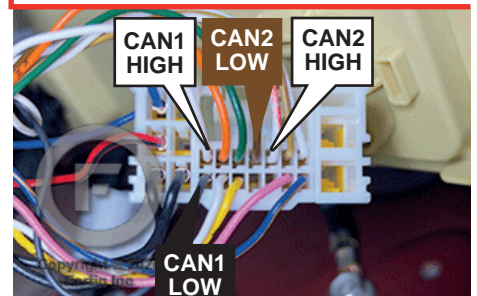
⑤ Horn switch



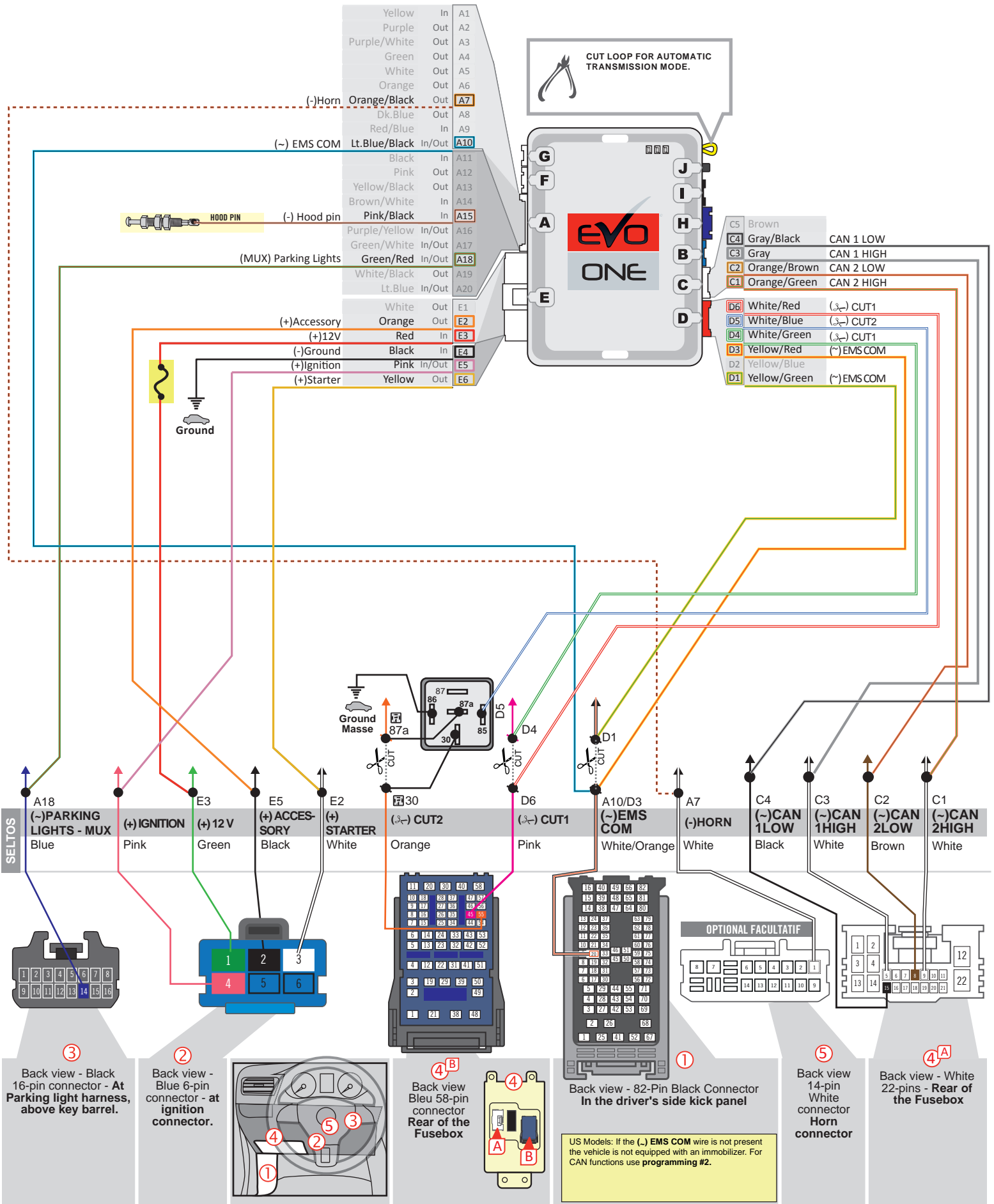
④B Behind the fuse box



④A

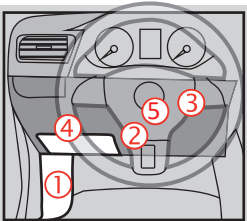


WIRING CONNECTION

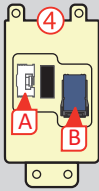


③ Back view - Black 16-pin connector - At Parking light harness, above key barrel.

② Back view - Blue 6-pin connector - at ignition connector.



④^B Back view Bleu 58-pin connector Rear of the Fusebox

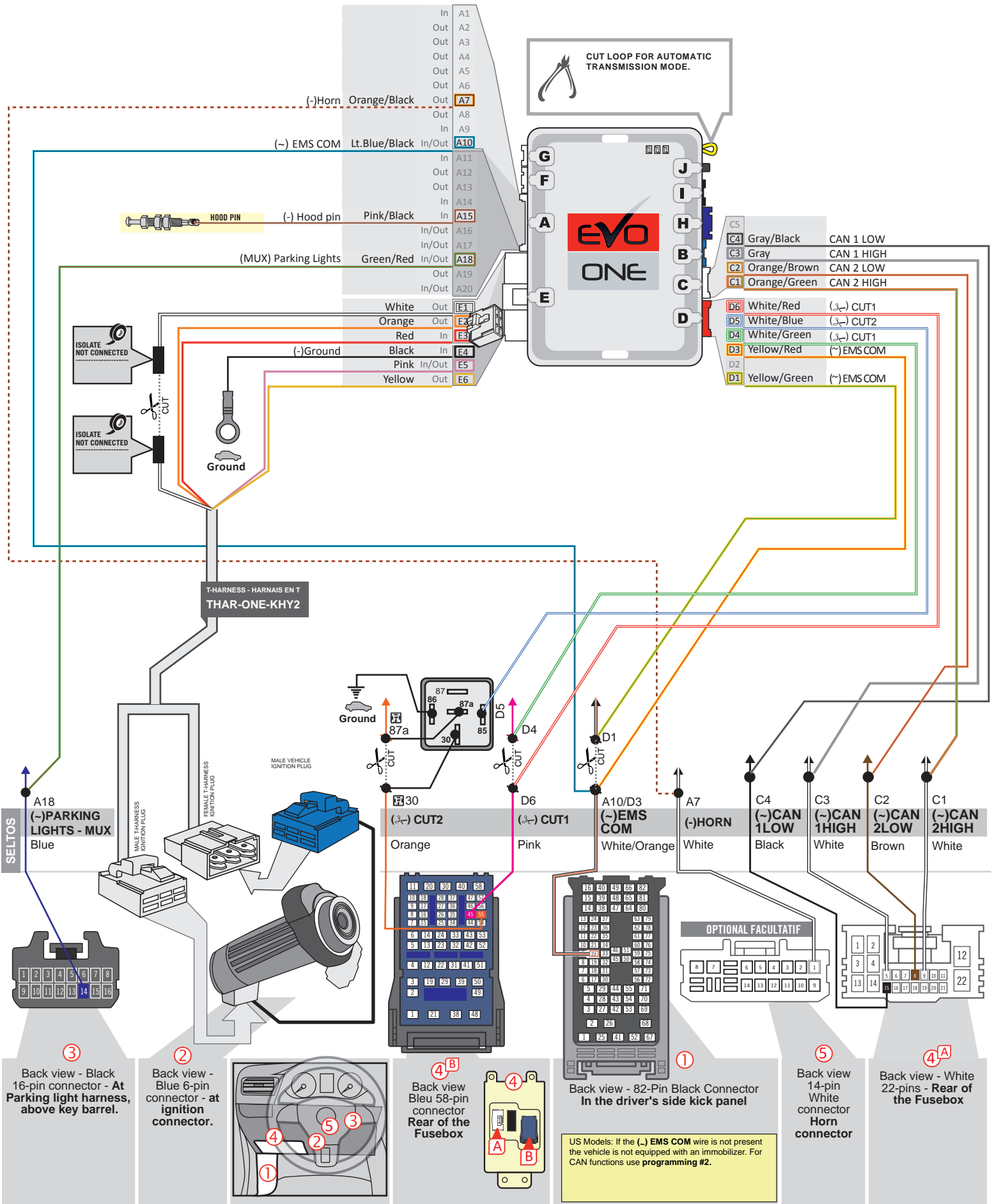


① Back view - 82-Pin Black Connector In the driver's side kick panel

⑤ Back view 14-pin White connector Horn connector

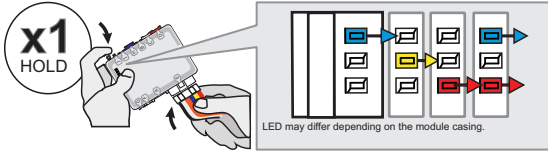
④^A Back view - White 22-pins - Rear of the Fusebox

THAR-ONE-KHY2 - T-HARNESS WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE |

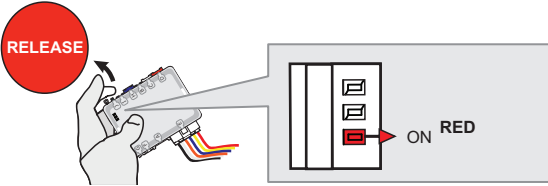
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

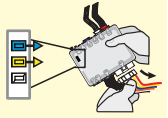
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

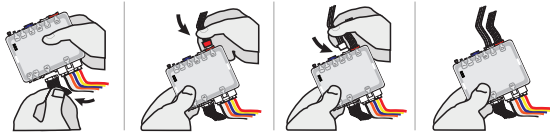


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

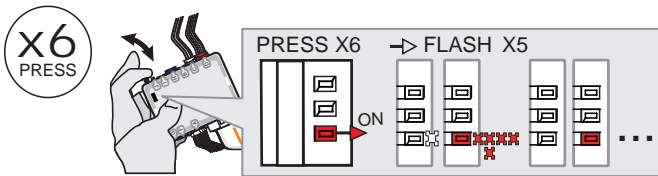


3



Insert the required remaining connectors.

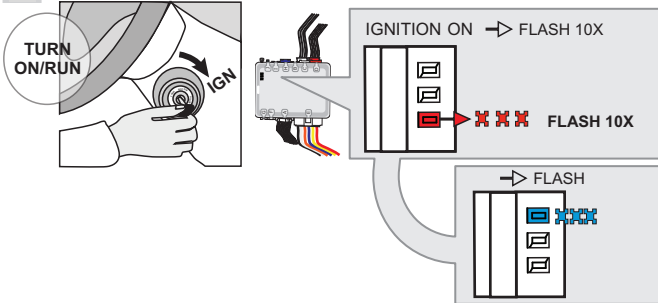
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

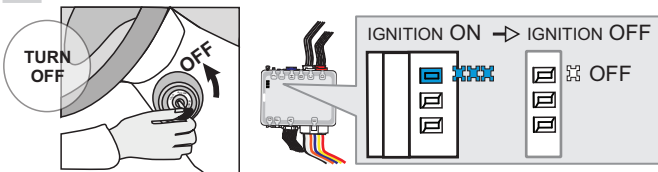


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

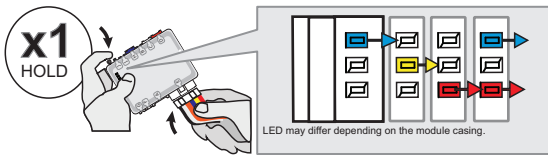


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

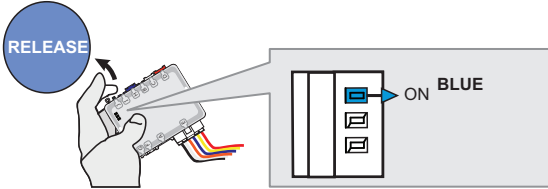
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

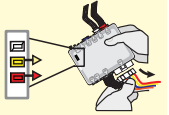
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

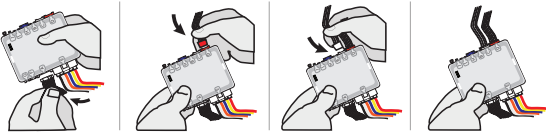


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

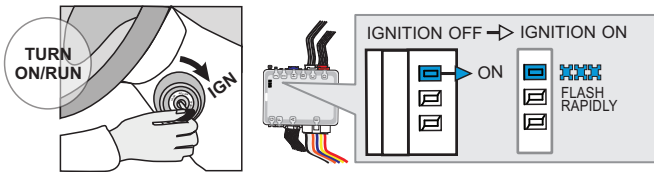


3



Insert the required remaining connectors.

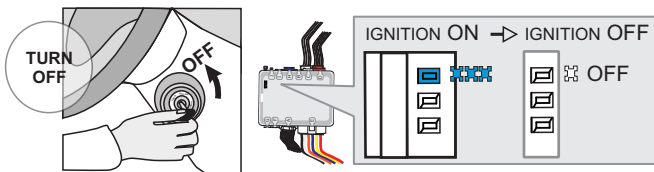
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

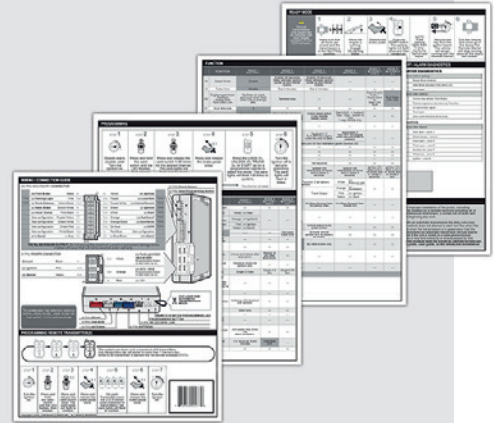


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	Parking Lights	RAP Disable	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring**
KIA Optima	2014-2015	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[43]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

AUTOMATIC TRANSMISSION ONLY



Program remote starter option:

FUNCTION	MODE	DESCRIPTION
2	2	(+) Accessory 2 (E1)

MANUAL TRANSMISSION ONLY



Program remote starter option:

FUNCTION	MODE	DESCRIPTION
2	3	(+) Start 2 (E1)



Program bypass option:

UNIT OPTION

C1

DESCRIPTION
OEM Remote status (Lock/Unlock) monitoring

NOTES

****OEM Remote monitoring**



The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER



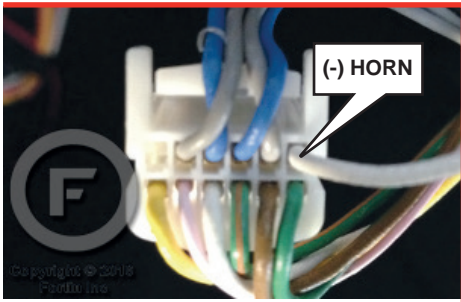
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

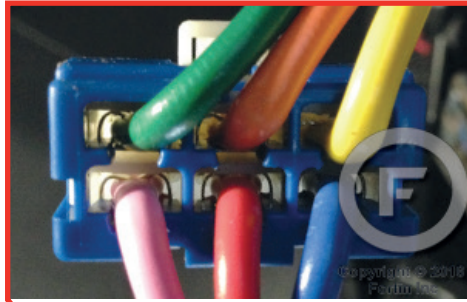
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

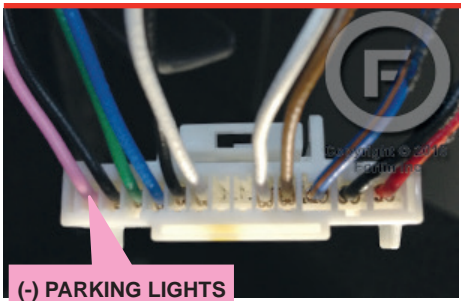
⑥ At steering column



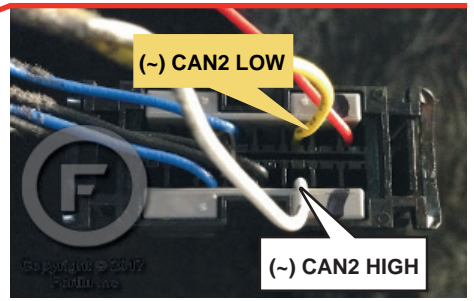
② Ignition Barrel



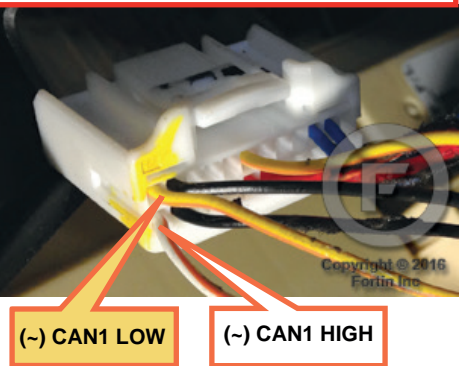
⑤ At Parking Lights switch



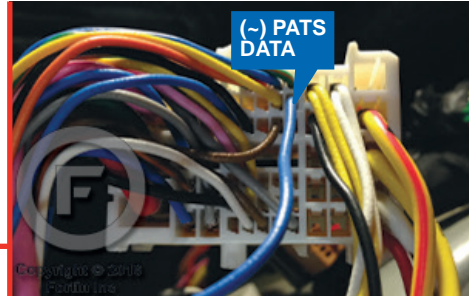
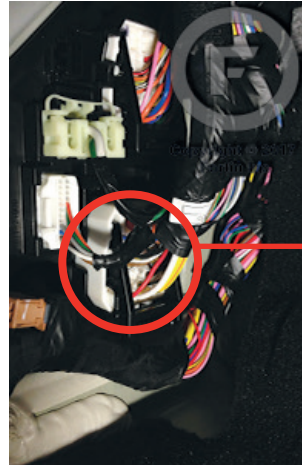
③ OBD-II connector.



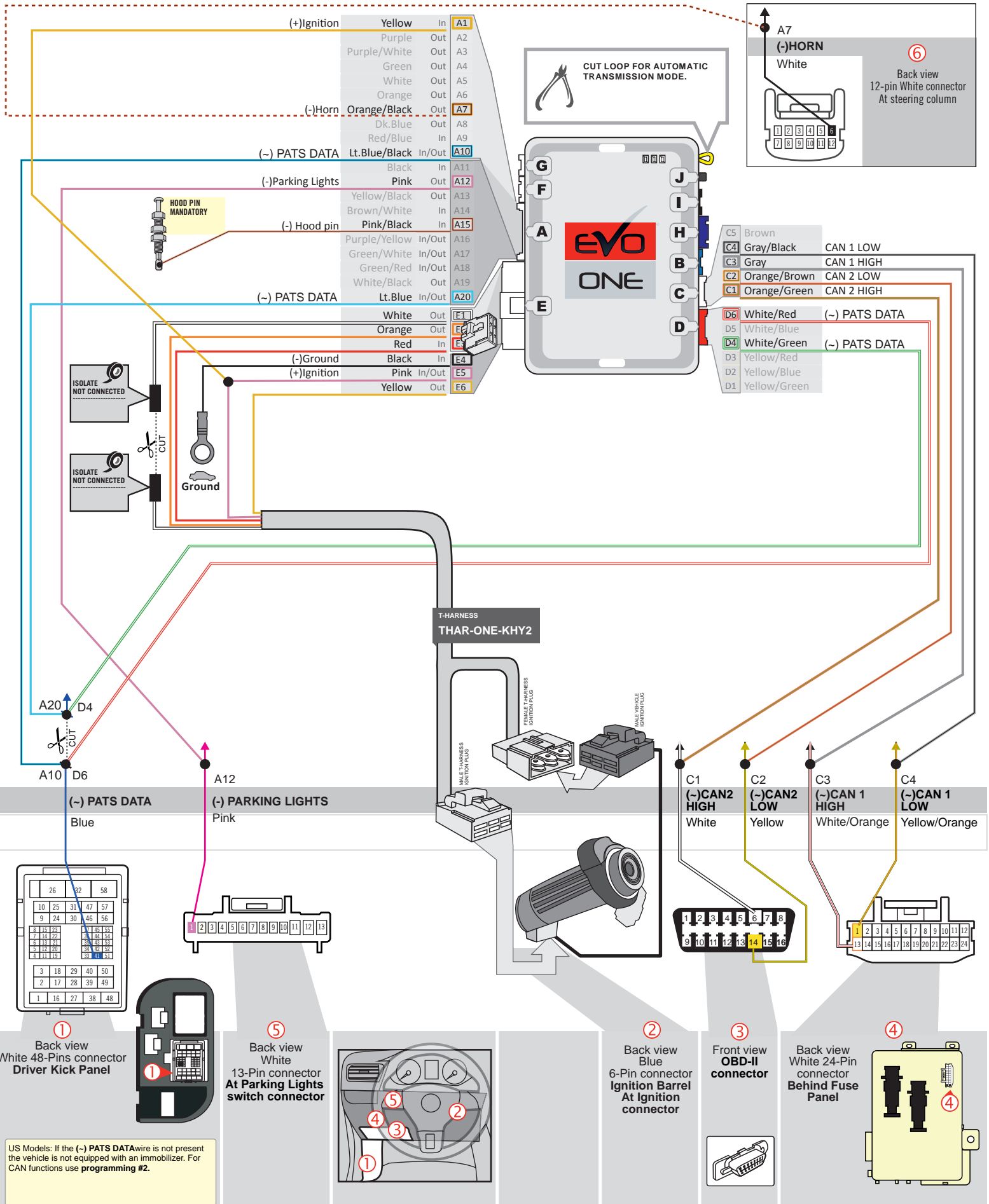
④ Behind Fuse panel



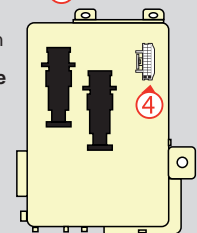
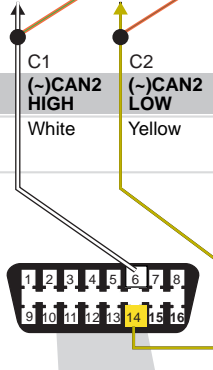
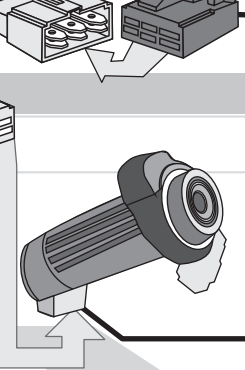
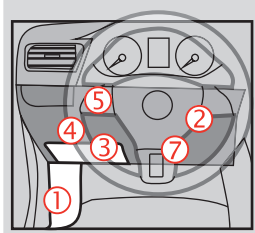
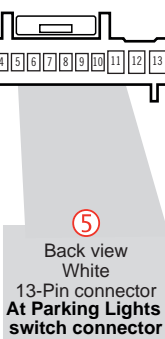
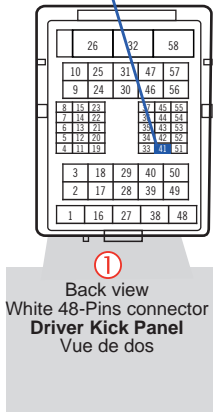
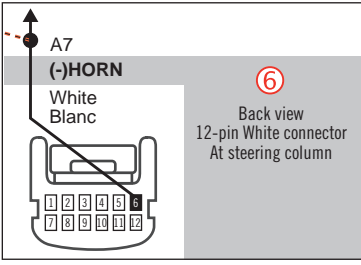
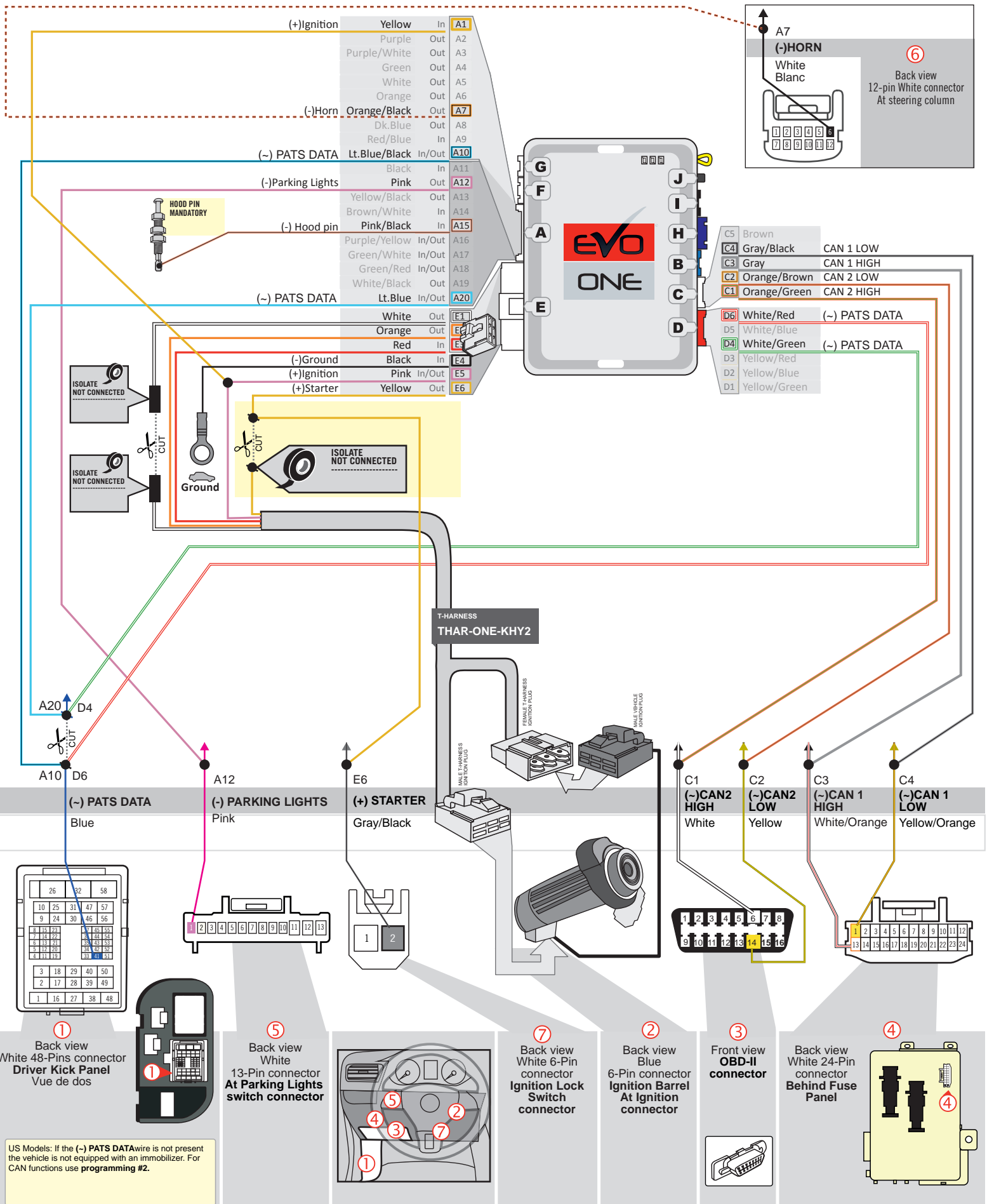
① Driver Kick Panel



AUTOMATIC TRANSMISSION WIRING CONNECTION



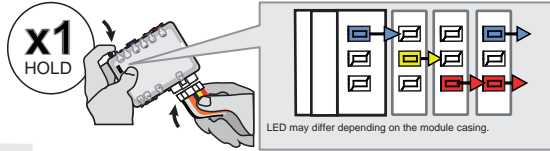
MANUAL TRANSMISSION WIRING CONNECTION



US Models: If the (-) PATS DATA wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

KEY BYPASS PROGRAMMING PROCEDURE

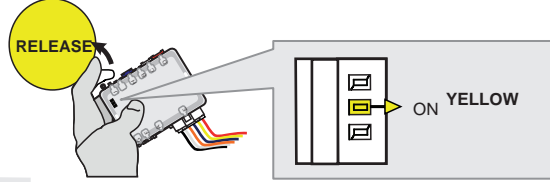
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

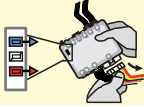
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

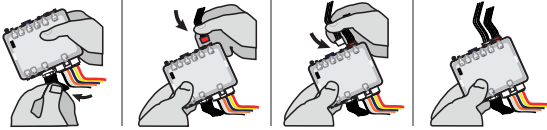


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW LED** is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

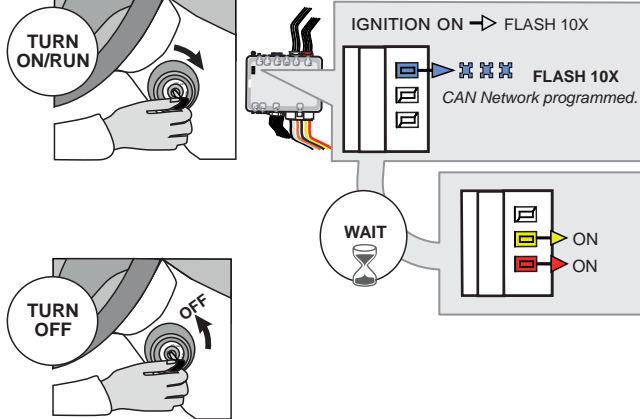


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

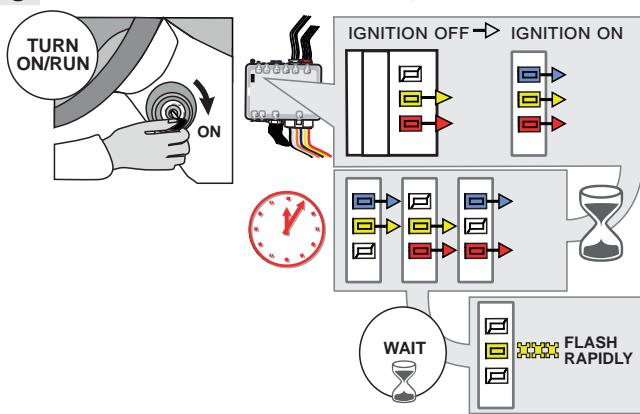
↳ The **BLUE LED** will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW LED** will turn ON:

Turn the key to the OFF position.

5



This process may take up to 5 minutes

Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW LEDs** are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW LED's**: processing...

↳ When the **YELLOW LED** begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

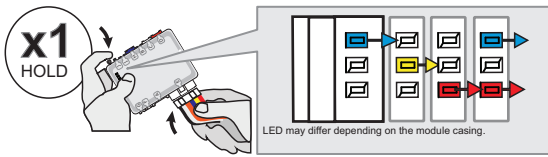


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

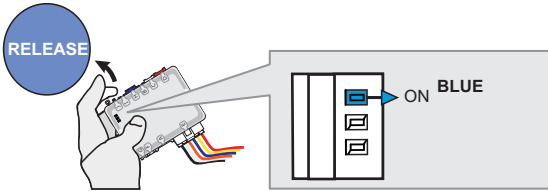
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

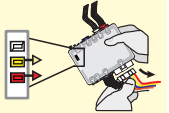
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

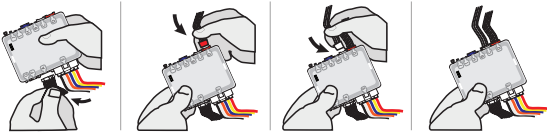


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

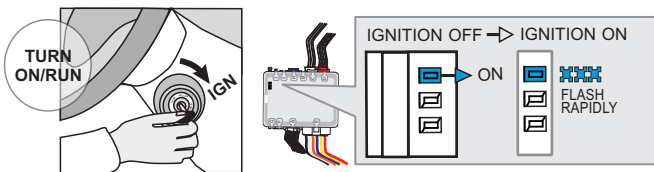


3



Insert the required remaining connectors.

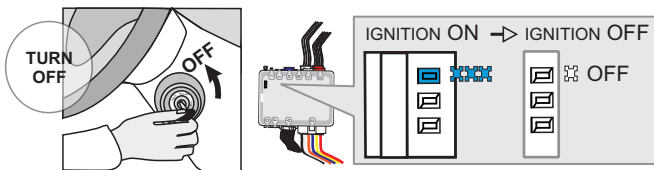
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

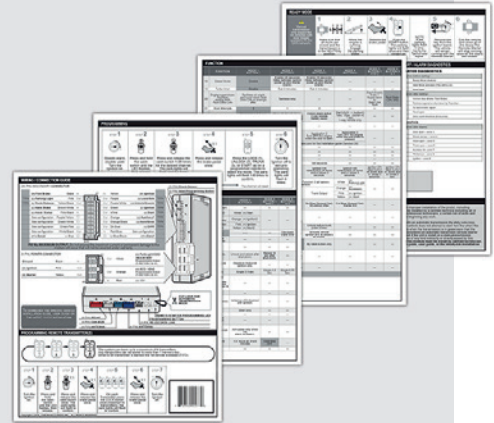


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



VEHICLE EQUIPPED WITH OEM ALARM |

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option **D2** using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.

**THAR-ONE-KHY2 THARNESSTAR-
ONE-KHY2 THARNES**

ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																	
		Immobilizer bypass	T-Harness available	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	RAP Control	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Monitoring**
KIA Optima	2016-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	OFF
			Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

****OEM Remote monitoring**

The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL
*** HOOD PIN**


HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11
OFF
SECURITY STICKER


Included

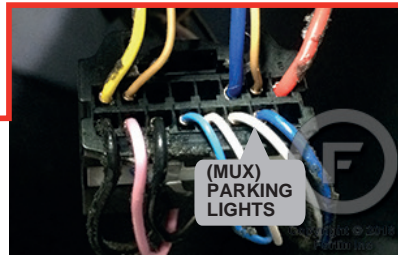
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

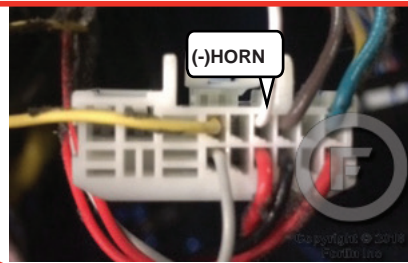
DESCRIPTION

Under steering column.

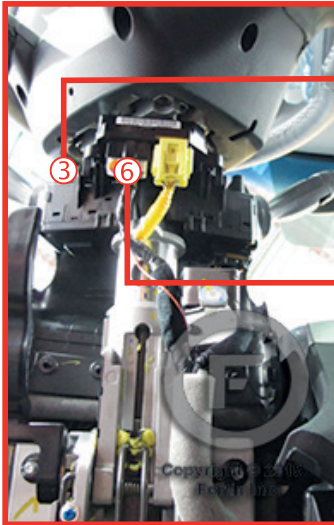
③ Parking Lights switch



⑥ Steering connector horn switch



② Ignition connector

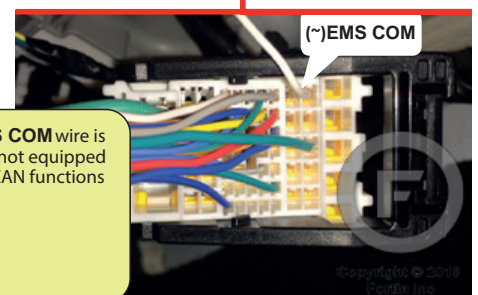
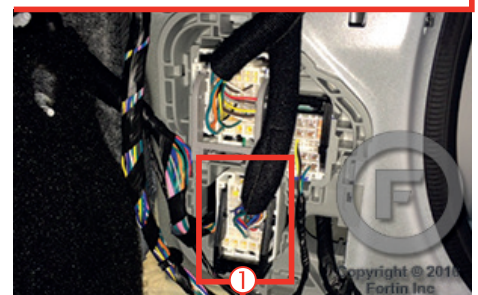
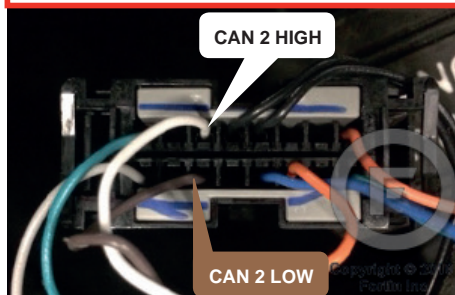
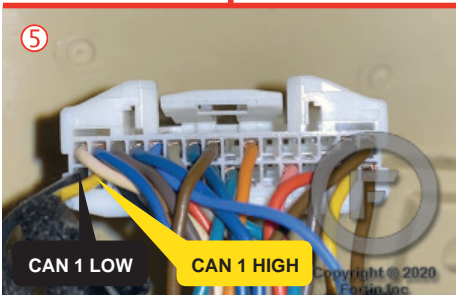


⑤ Back of the fusebox



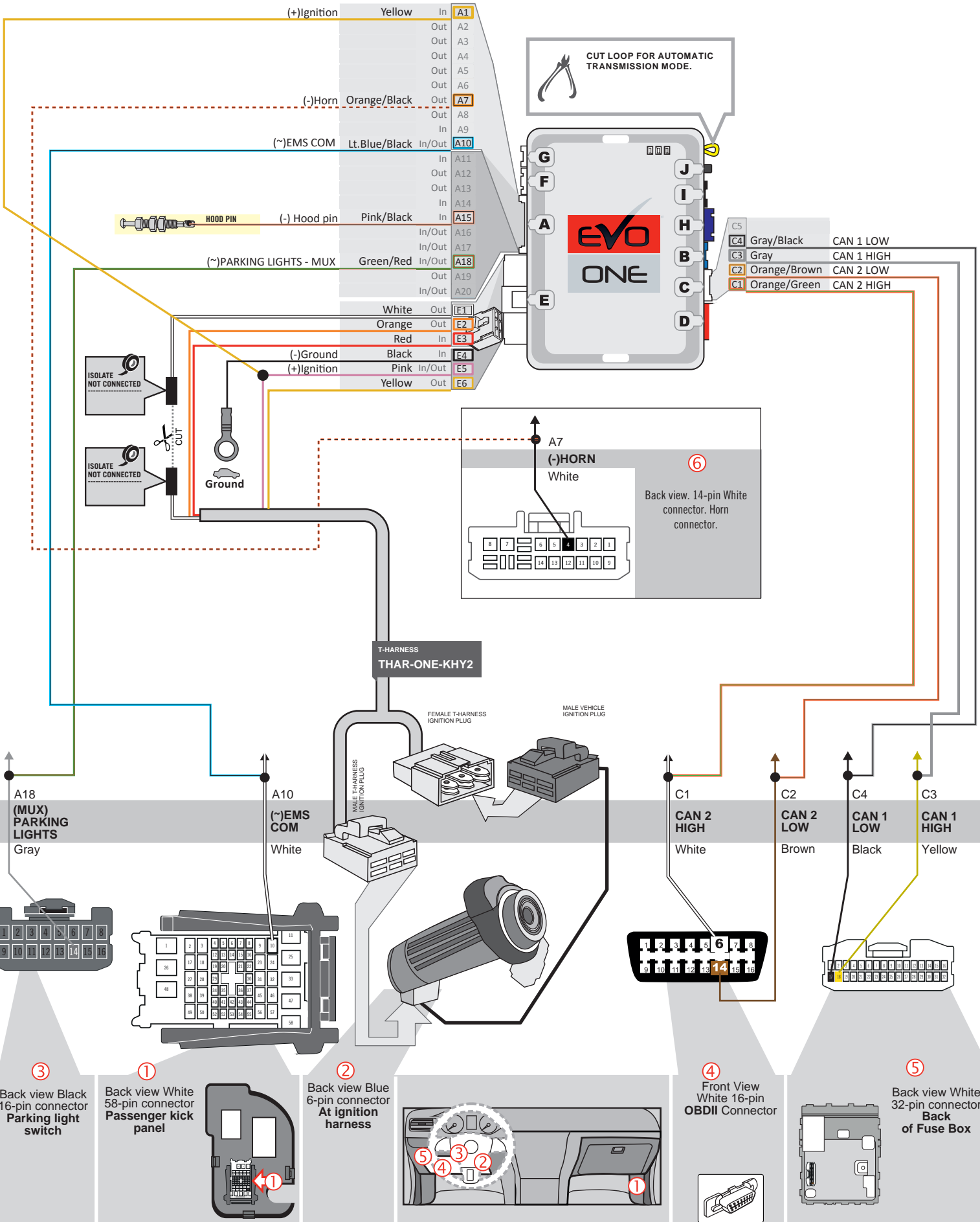
④ OBDII

① Passenger kick panel.



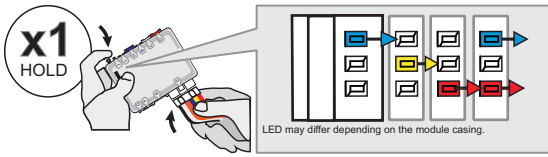
US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE |

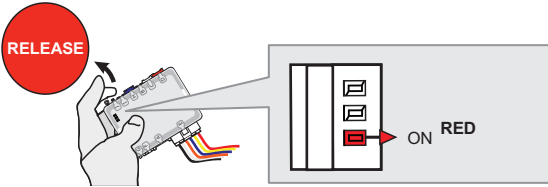
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

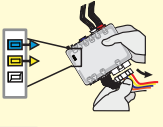
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

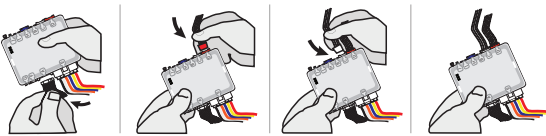


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

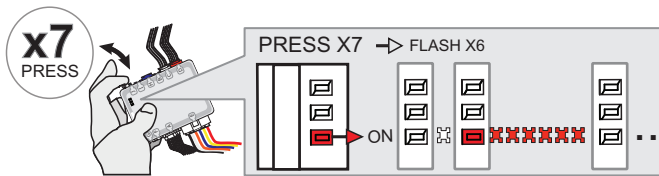


3



Insert the required remaining connectors.

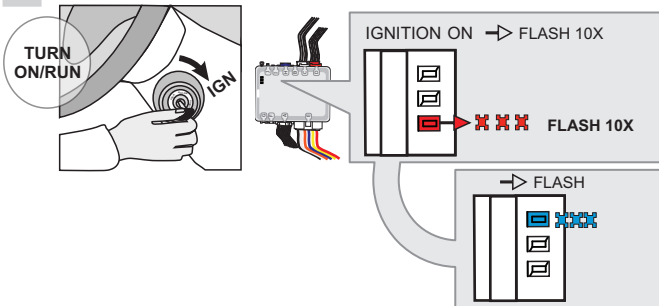
4



Press and release the programming button seven (7x) times.

↳ The RED LED will flash 6 times each second.

5

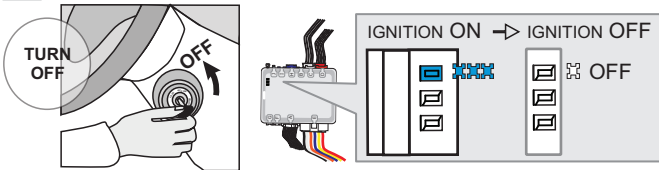


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
 Key bypass programmed.

↳ The BLUE LED will flash rapidly.
 CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

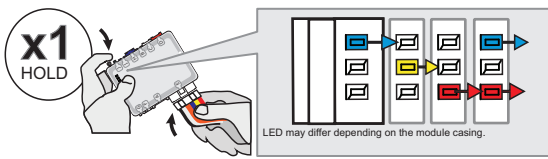


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

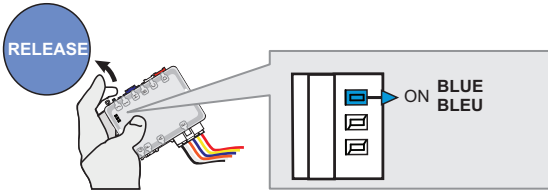
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

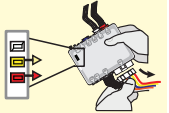
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

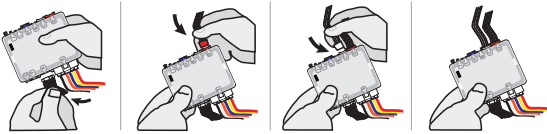


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

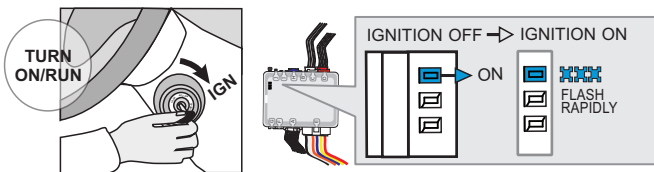


3



Insert the required remaining connectors.

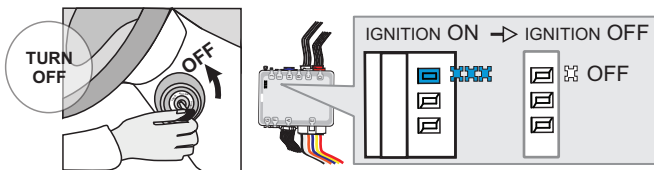
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

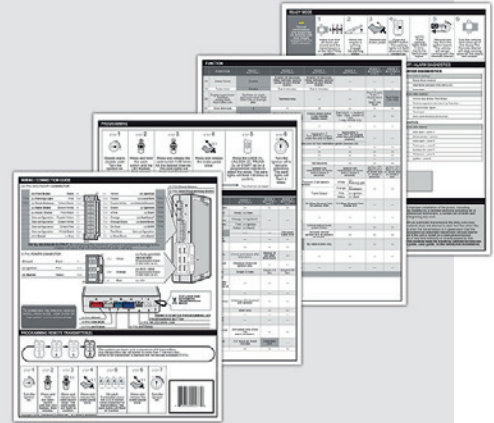


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |




REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

	VEHICLE YEARS	Vehicle functions supported in this diagram (functional if equipped)												
		Immobilizer bypass T-Harness Lock Unlock Arm Disarm Parking Lights Trunk (open) RAP Disable Tachometer Door Status Trunk Status Hood Status* Hand-Brake Status Foot-Brake Status	•	•	•	•	•	•	•	•	•	•	•	
HYUNDAI Tucson		2016	•	•	•	•	•	•	•	•	•	•	•	•

④ In the driver's side kick panel

① Steering column.

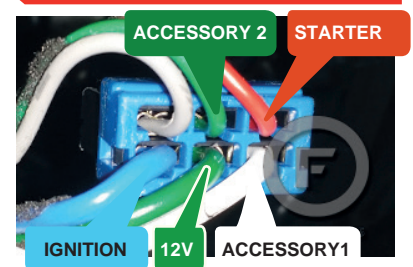
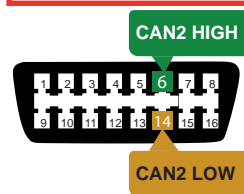



⑤ Rear of the Fusebox/Smart Junction Box


③ OBD-II connector

② Ignition connector

US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.



	HARDWARE VERSION	BYPASS FIRMWARE VERSION	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
	7 MINIMUM	76.[46] HYUNDAI/KIA MINIMUM	

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1) (+) Accessoire 2 (E1)

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER

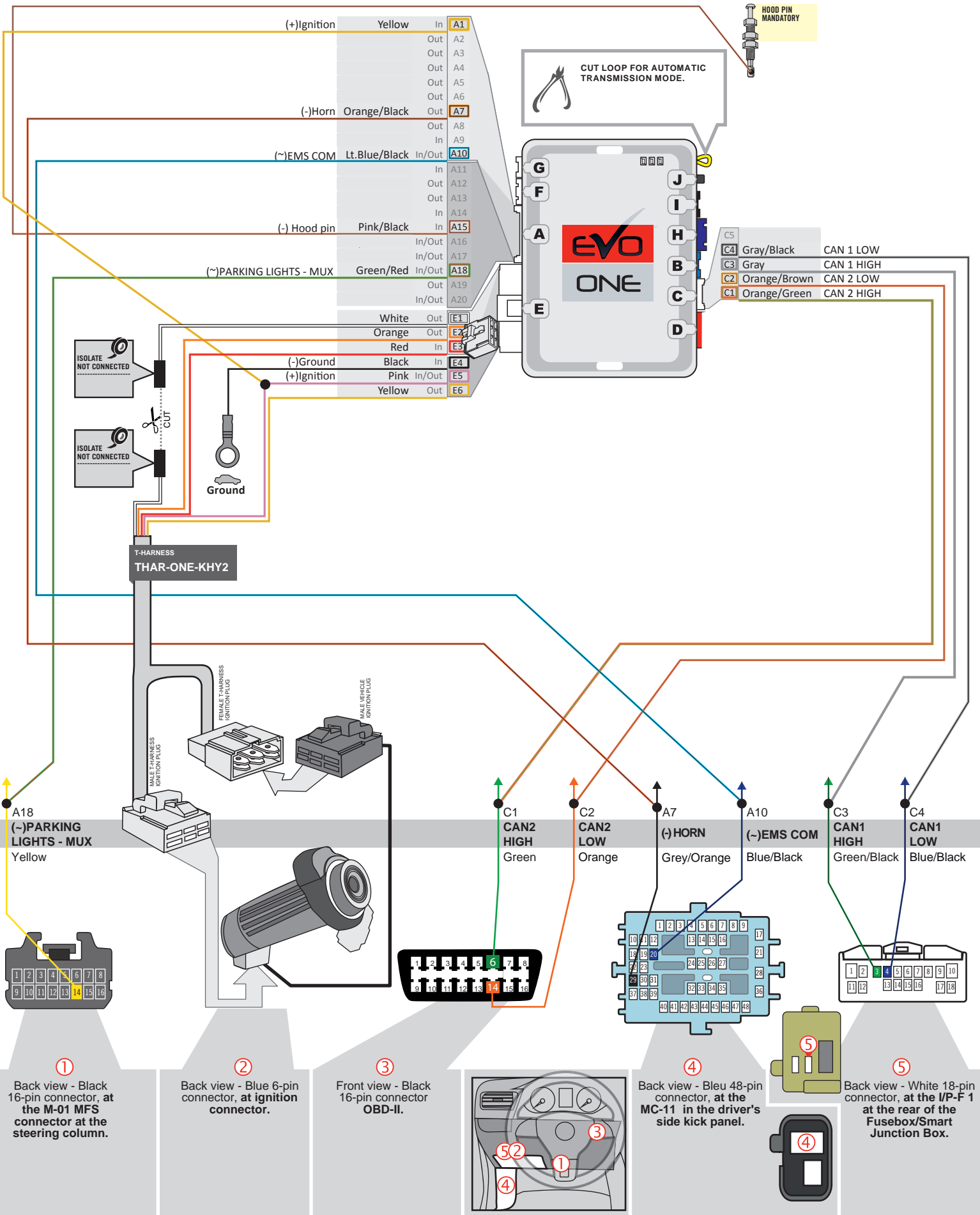


Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

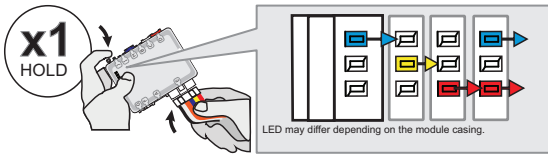
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE |

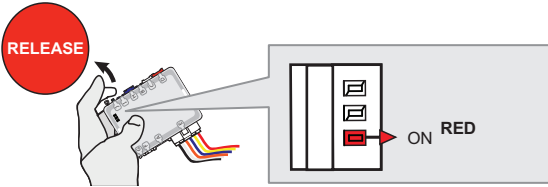
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

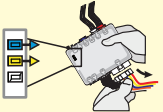
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

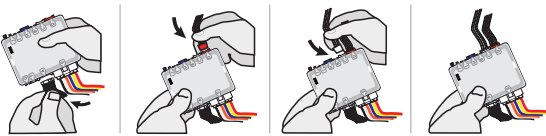


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

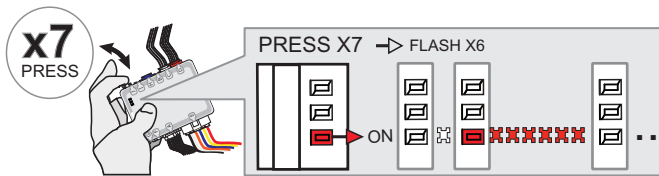


3



Insert the required remaining connectors.

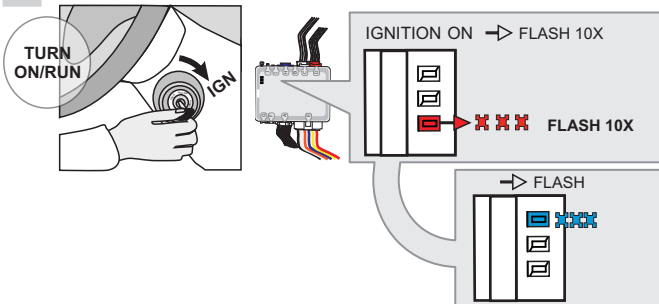
4



Press and release the programming button seven (7x) times.

↳ The RED LED will flash 6 times each second.

5

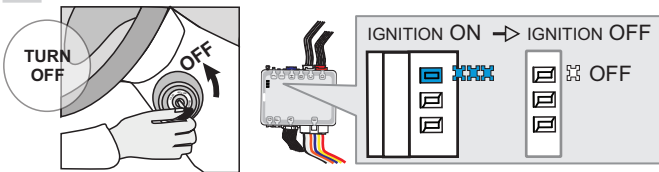


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
 Key bypass programmed.

↳ The BLUE LED will flash rapidly.
 CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

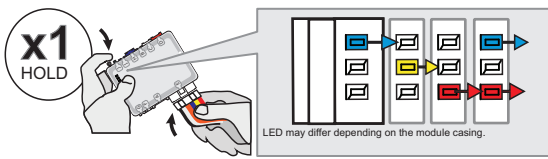


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

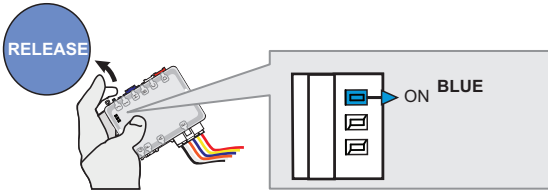
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

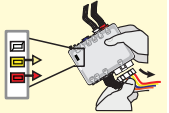
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

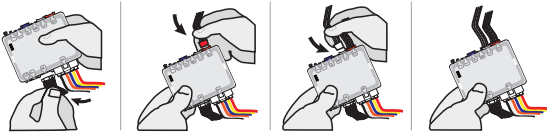


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

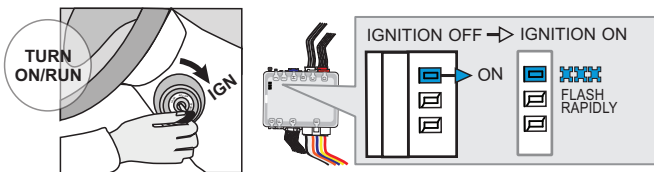


3



Insert the required remaining connectors.

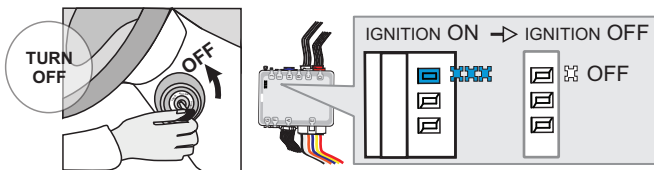
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

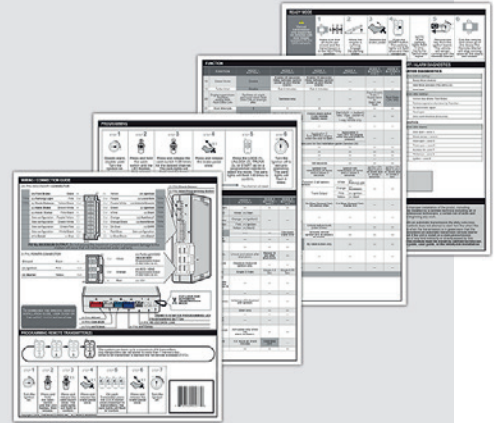


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNSS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)														
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring**
HYUNDAI Sonata	2011-2013	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	OFF
			Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program bypass option (if equipped with OEM alarm):	UNIT OPTION	DESCRIPTION
		D2	Unlock before / Lock after (Disarm OEM alarm)

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

NOTES

****OEM Remote monitoring** The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11 OFF

SECURITY STICKER

WARNING

Included

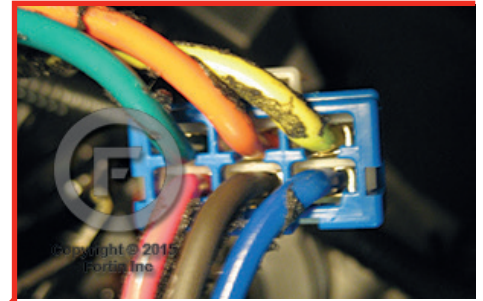
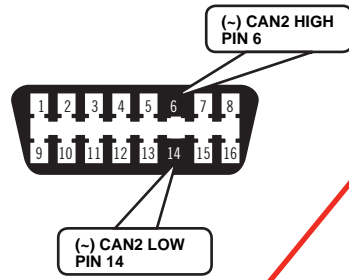
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

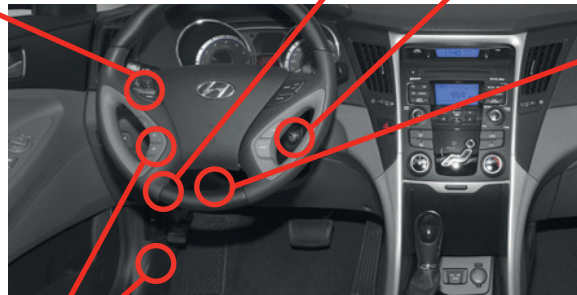
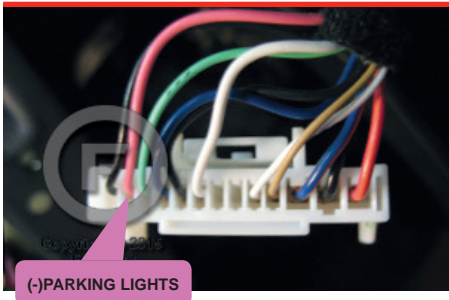
DESCRIPTION

④ OBD-II connector

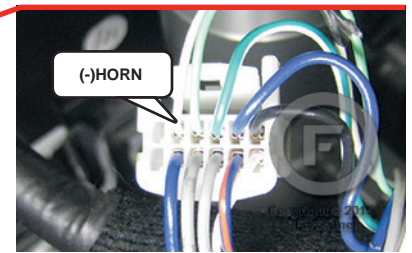
② Ignition harness



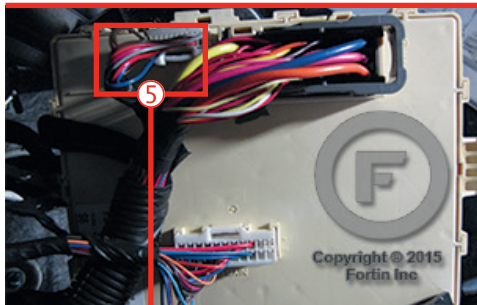
③ At Parking Lights switch connector



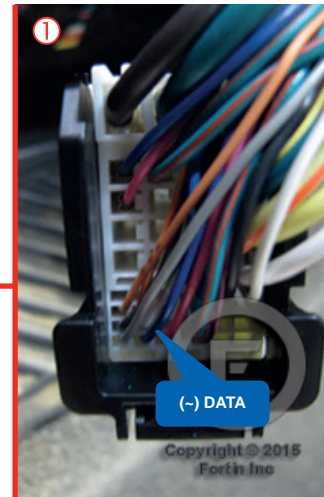
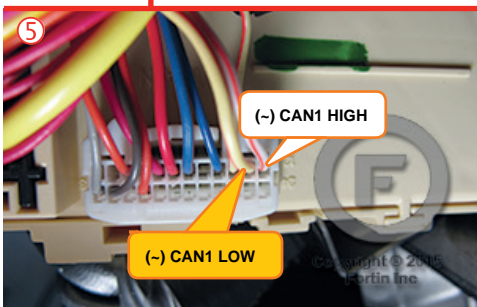
④ At steering column



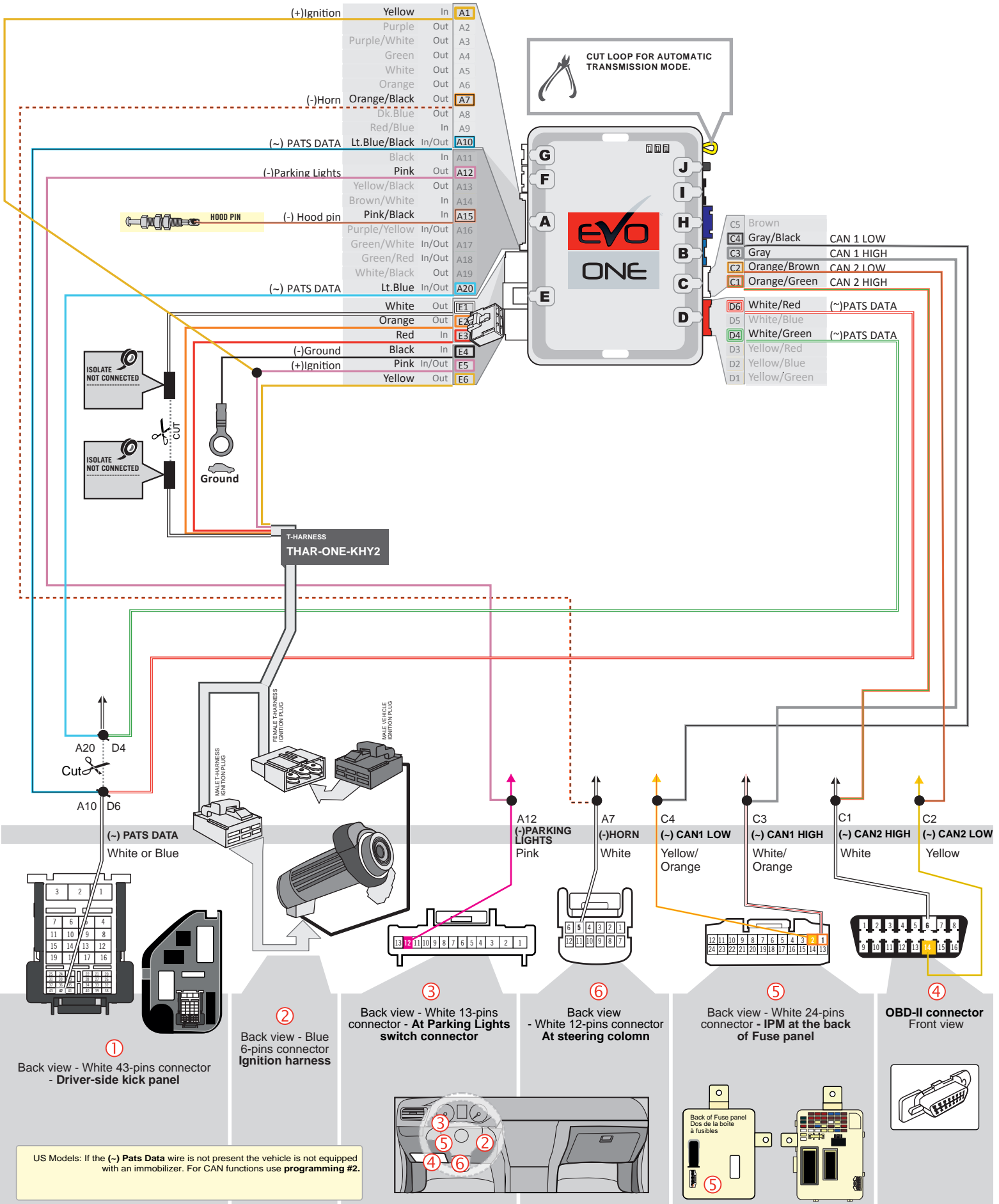
⑤ IPM at the back of Fuse panel



① Driver-side kick panel

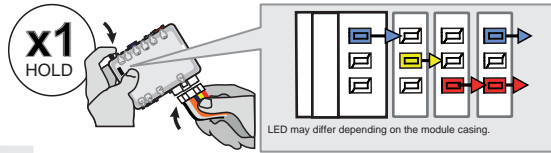


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

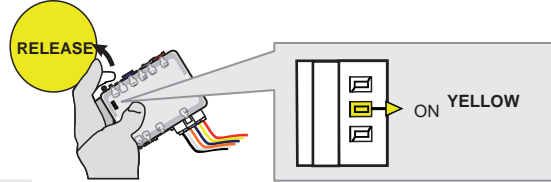
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

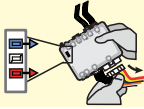
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

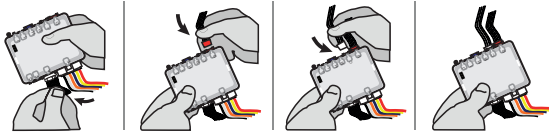


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW** LED is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

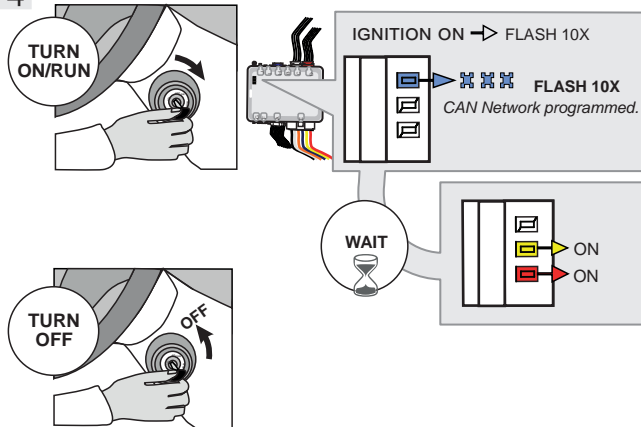


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

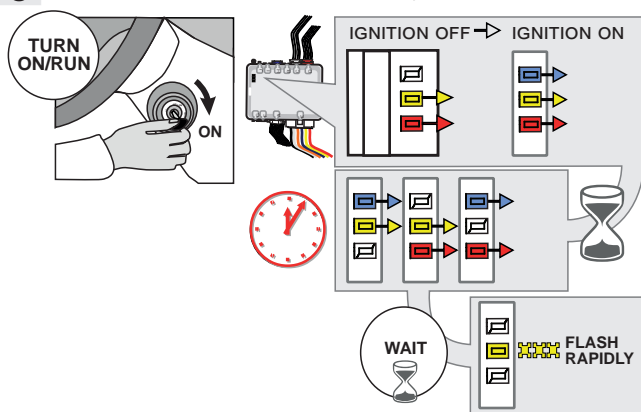
↳ The **BLUE** LED will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW** LED will turn ON:

Turn the key to the OFF position.

5



Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW** LEDs are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW** LED's: processing...

↳ When the **YELLOW** LED begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

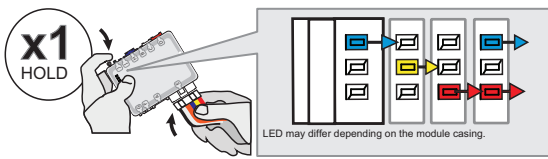


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PPROGRAMMING PROCEDURE

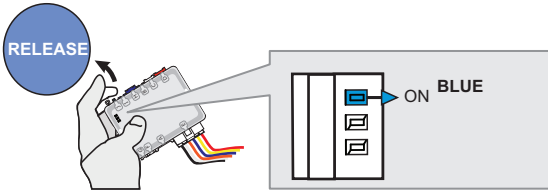
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

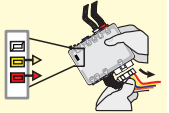
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

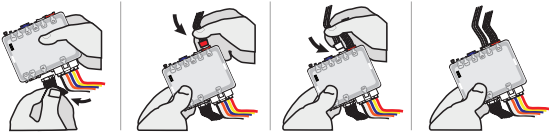


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

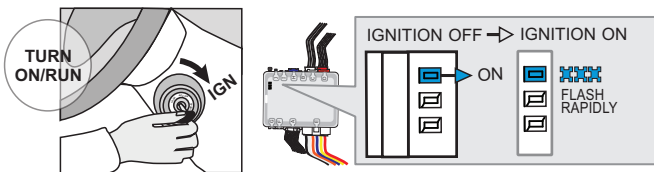


3



Insert the required remaining connectors.

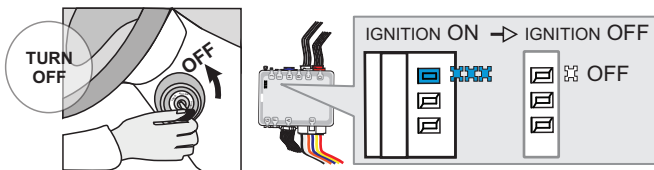
4



Turn the Ignition to the **ON/RUN** position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the **OFF** position.

↳ The **BLUE LED** will turn off.

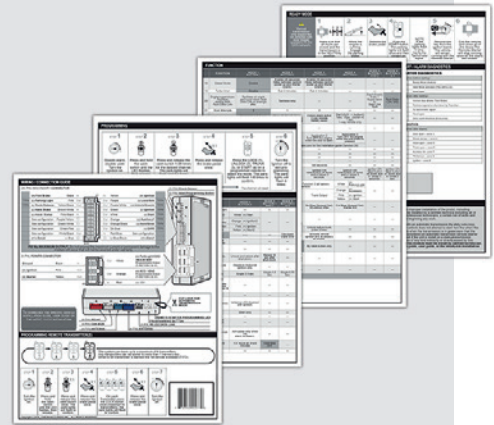


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY



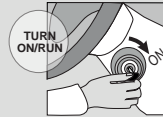
All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Tachometer	Foot-Brake Status	Hood Status*
HYUNDAI												
Accent	Automatic transmission Page 3	2012-2014	•	•	•	•	•	•	•	•	•	•
	Manual transmission Page 4	2012-2014	•	•	•	•	•	•	•	•	•	•

	HARDWARE VERSION	BYPASS FIRMWARE VERSION
	3 MINIMUM	76.[29] HYUNDAI/KIA MINIMUM

	Program bypass option (if equipped with OEM alarm):	UNIT OPTION	DESCRIPTION
		D2	Unlock before / Lock after (Disarm OEM alarm)

AUTOMATIC TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

MANUAL TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

MANDATORY INSTALL
*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11
OFF
SECURITY STICKER

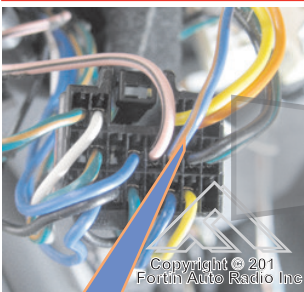

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

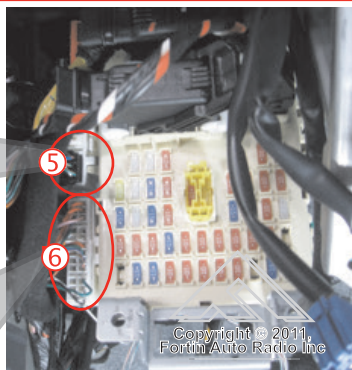
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

⑤⑥ Left of steering column - Junction Box



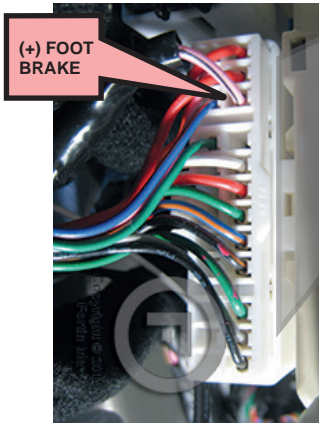
(-) PATS DATA



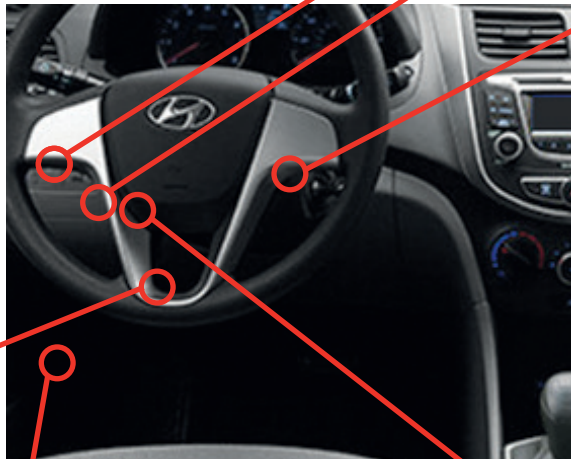
5

6

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(+) FOOT BRAKE



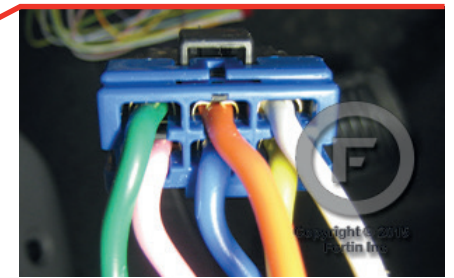
⑧ Steering column harness



(-) Horn

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④ Ignition harness

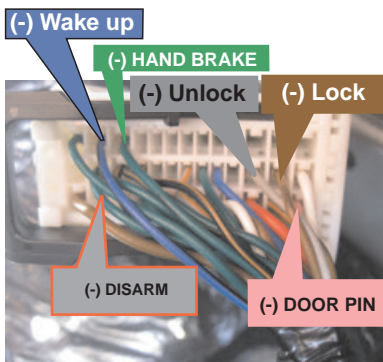


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③ OBD-II connector



① At driver kick panel



(-) Wake up

(-) HAND BRAKE

(-) Unlock

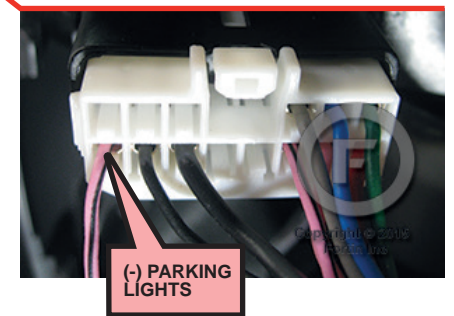
(-) Lock

(-) DISARM

(-) DOOR PIN

(-) DISARM
GREY/ORANGE OU GREEN/ORANGE

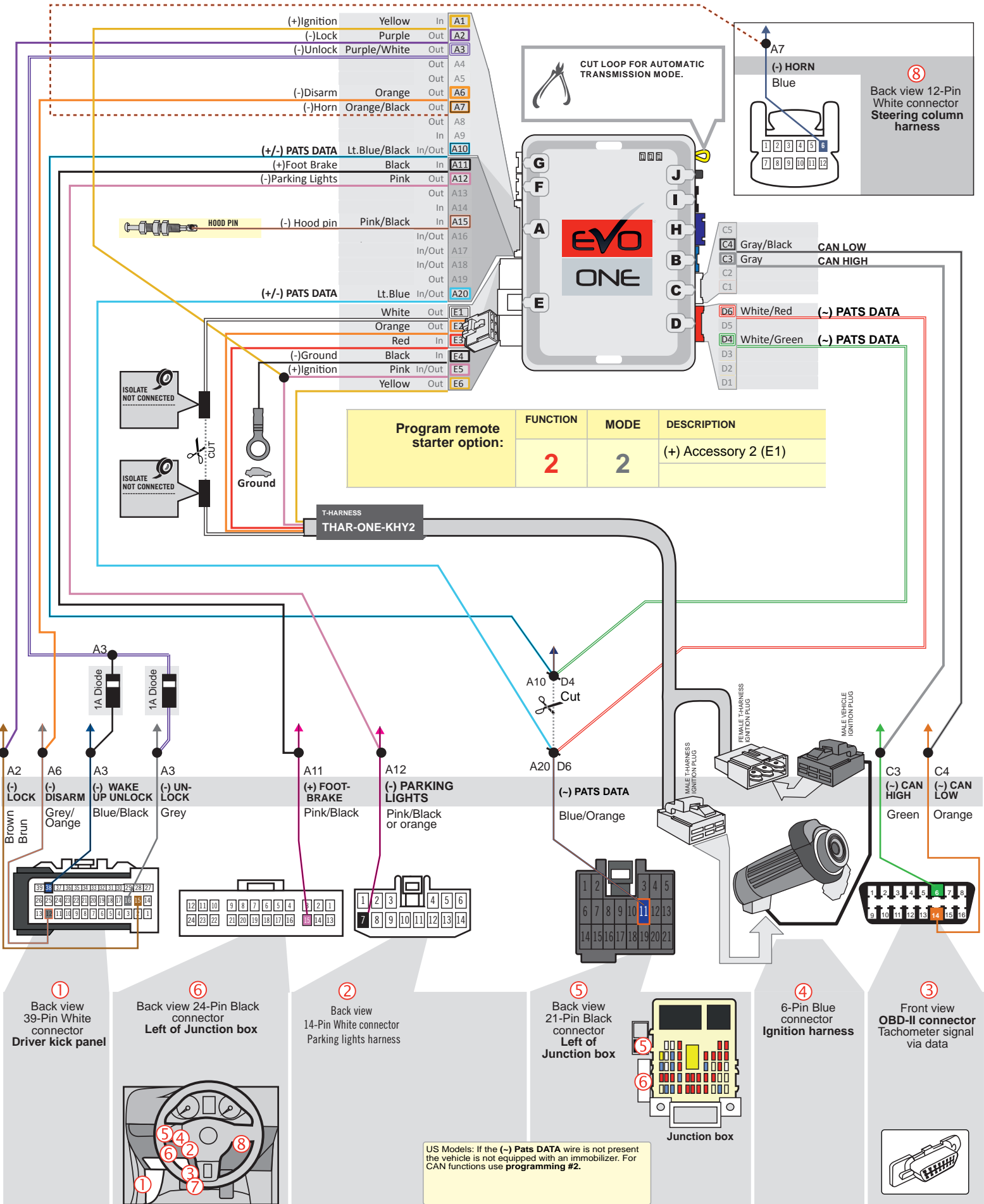
② Parking lights harness



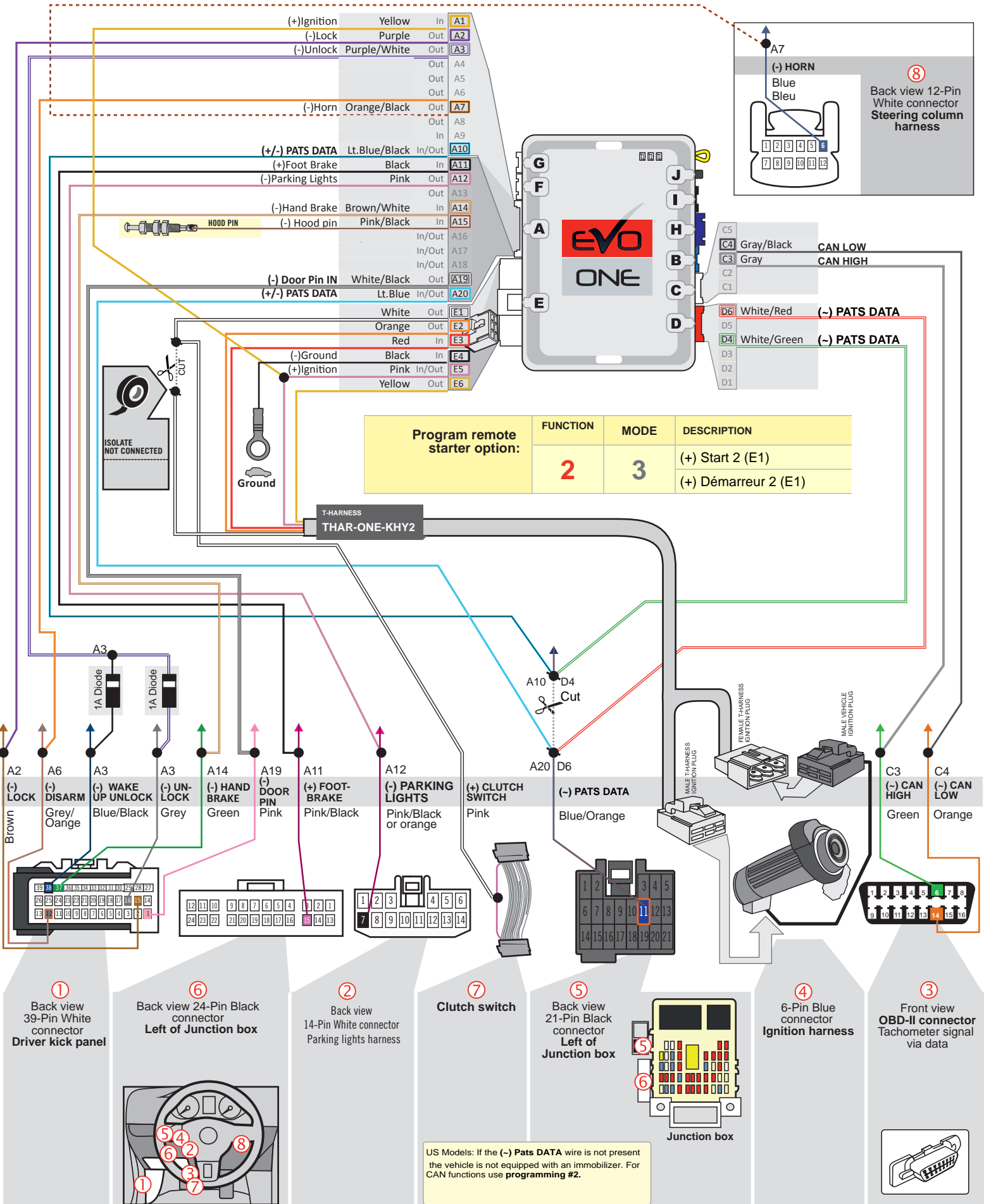
(-) PARKING LIGHTS

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AUTOMATIC TRANSMISSION WIRING CONNECTION



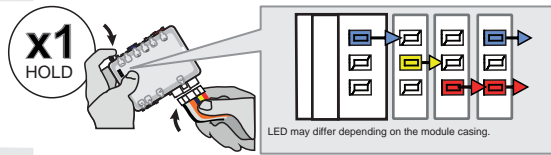
MANUAL TRANSMISSION WIRING CONNECTION |



US Models: If the (-) Pats DATA wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

KEY BYPASS PROGRAMMING PROCEDURE

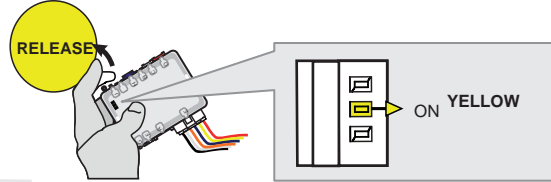
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

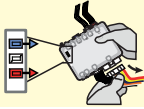
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

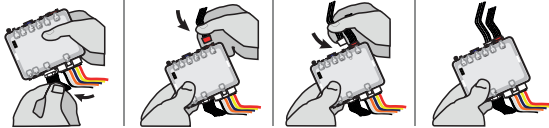


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW** LED is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

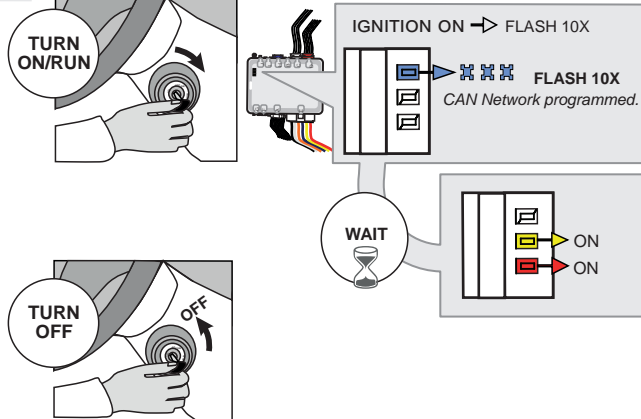


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

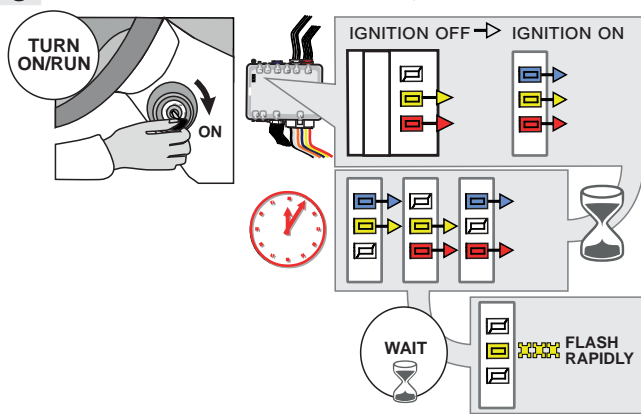
↳ The **BLUE** LED will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW** LED will turn ON:

Turn the key to the OFF position.

5



This process may take up to 5 minutes

Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW** LEDs are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW** LED's: processing...

↳ When the **YELLOW** LED begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

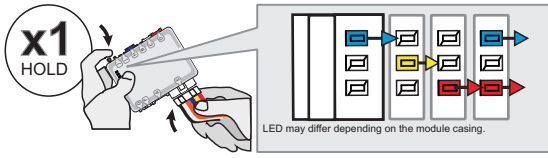
The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.



PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

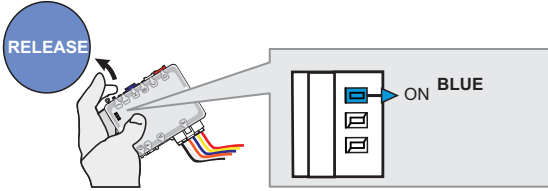
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

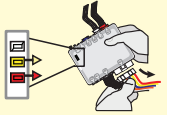
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

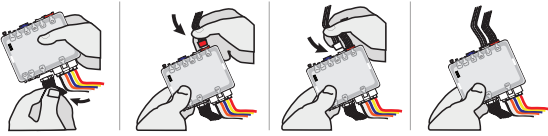


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

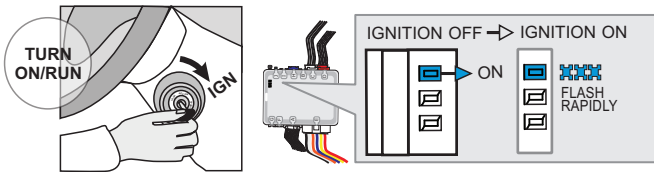


3



Insert the required remaining connectors.

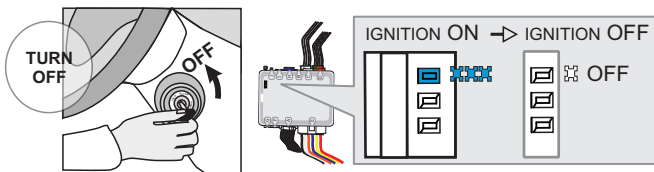
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

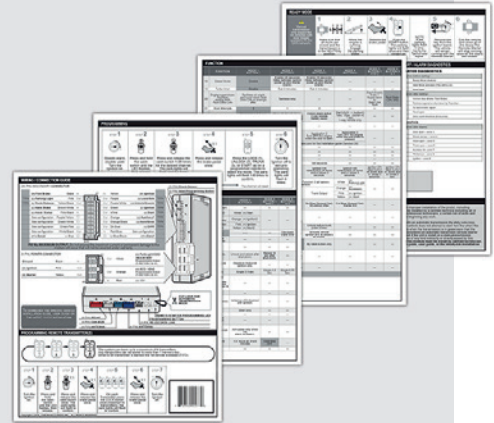


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |

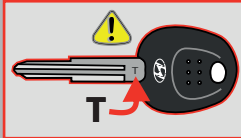


REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



This guide is for vehicles having keys stamped with a **T** on the shaft.

Vehicle functions supported in this diagram (functional if equipped)

VEHICLE

YEARS

Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Tachometer	Horn	Parking Lights	Hand-Brake Status	Foot-Brake Status	Hood Status*
--------------------	-----------	------	--------	-----	--------	------------	------	----------------	-------------------	-------------------	--------------

HYUNDAI

Accent

T Key 2017

•	•	•	•	•	•	•	•	•	•	•	•
---	---	---	---	---	---	---	---	---	---	---	---



BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



**Program bypass option
IF THE VEHICLE IS NOT EQUIPPED
WITH FUNCTIONAL HOOD PIN:**

UNIT OPTION

DESCRIPTION

A11

OFF

Hood trigger (Output Status).

AUTOMATIC TRANSMISSION ONLY



Program remote starter option:

FUNCTION

MODE

DESCRIPTION

2

2

(+) Accessory 2 (E1)

MANUAL TRANSMISSION ONLY



Program remote starter option:

FUNCTION

MODE

DESCRIPTION

2

3

(+) Start 2 (E1)

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



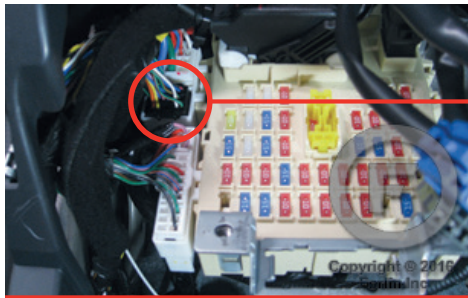
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

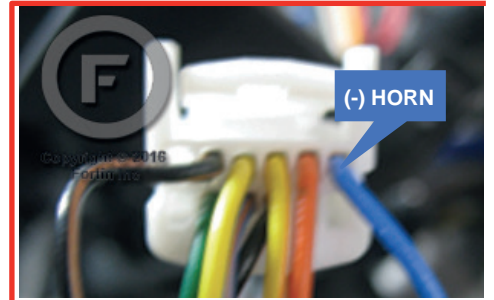
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

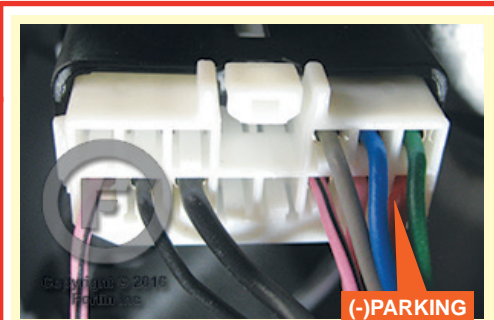
① Left of Junction box



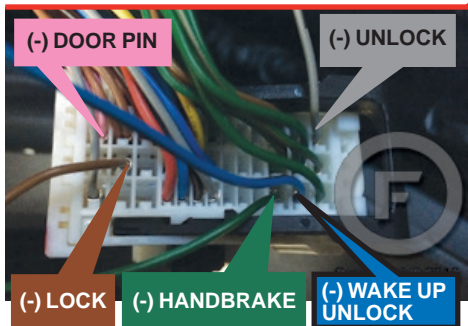
⑦ At steering column



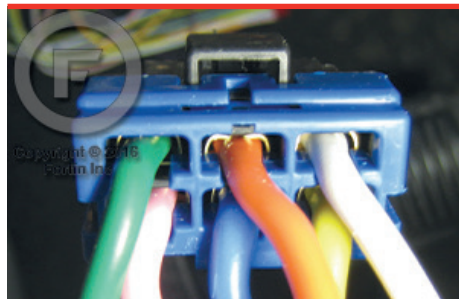
③ Parking Lights Harness



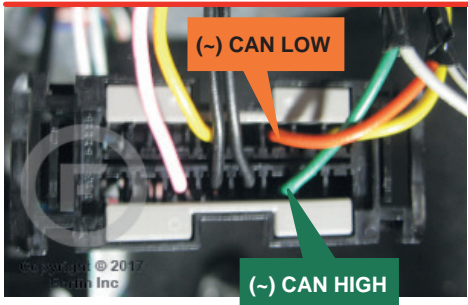
⑥ At Driver Kick Panel



② Ignition harness



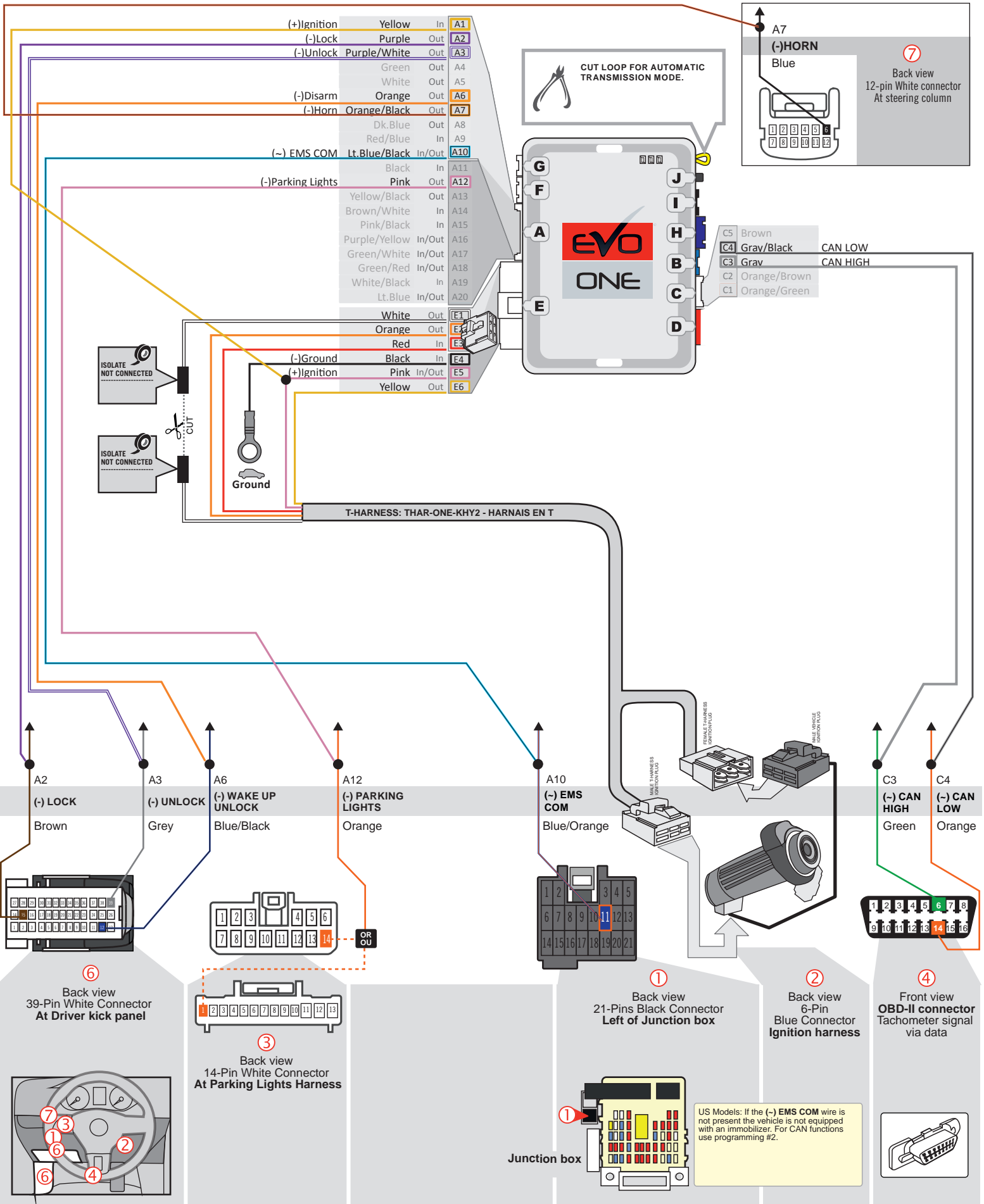
④ OBD-II Connector



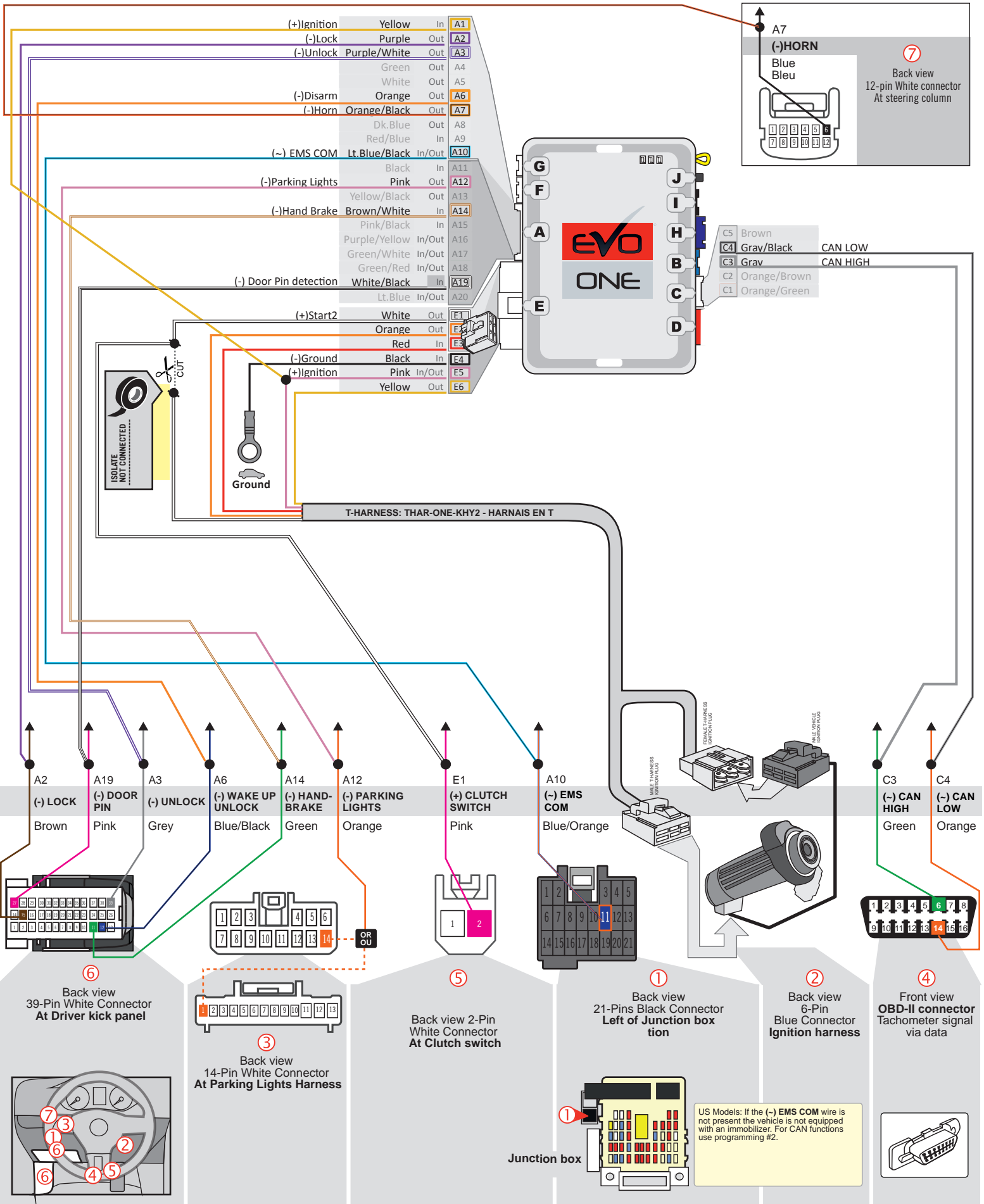
⑤ At Clutch switch



AUTOMATIC TRANSMISSION WIRING CONNECTION

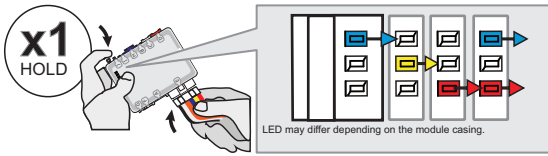


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

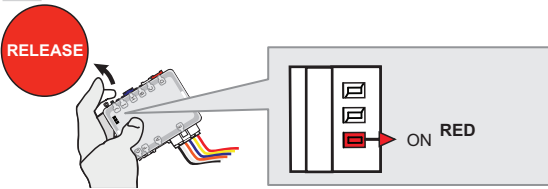
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

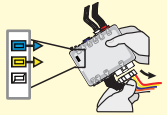
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

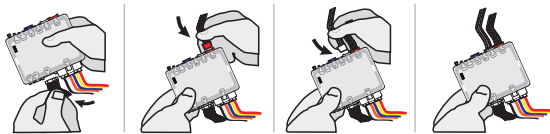


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

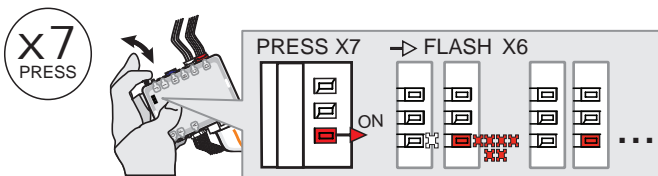


3



Insert the required remaining connectors.

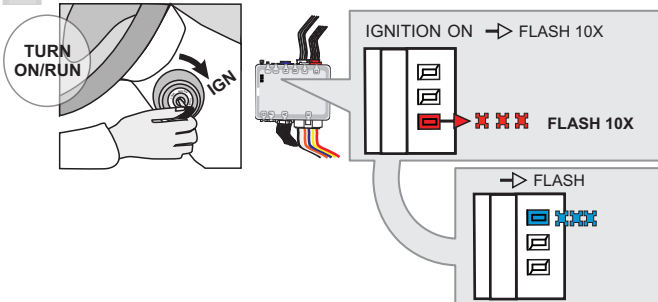
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

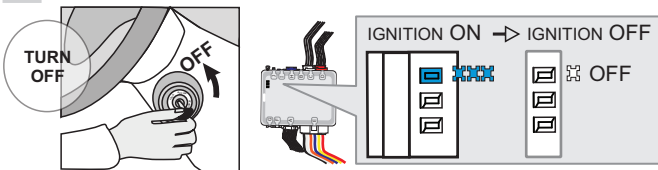


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

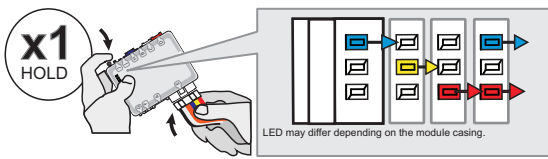


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

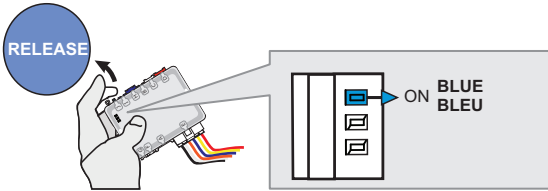
1



**Press and hold the programming button:
Insert the 6-Pin Main connector.**

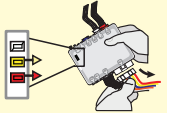
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

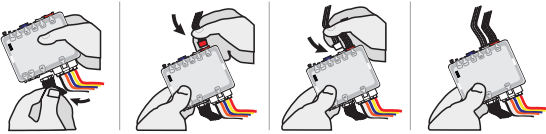


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

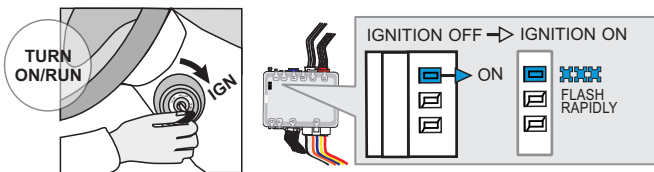


3



Insert the required remaining connectors.

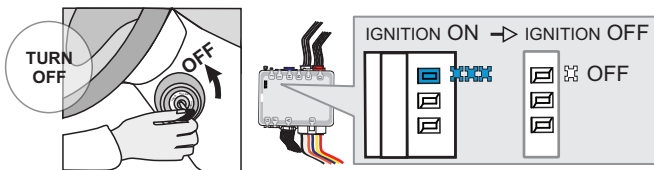
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

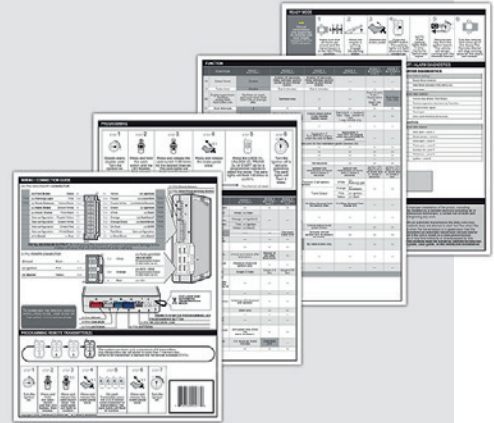


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Control	Horn	Parking Lights	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring**
HYUNDAI Elantra	(AT) 2011-2013	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	(MT) 2011-2013	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring
IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:		A11	OFF
			Hood trigger (Output Status).

AUTOMATIC TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

NOTES

*OEM Remote monitoring The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER

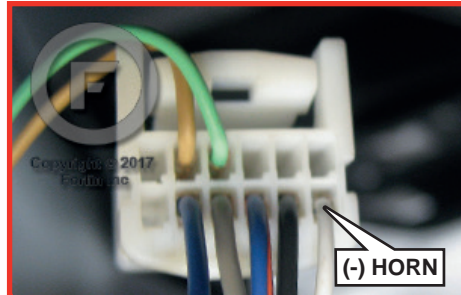


Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

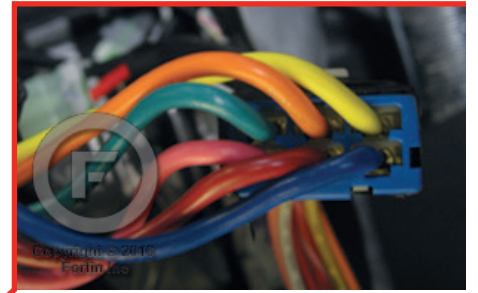
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

⑦ At steering column



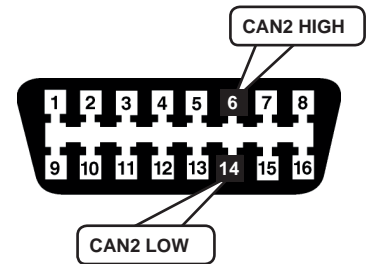
③ Ignition harness



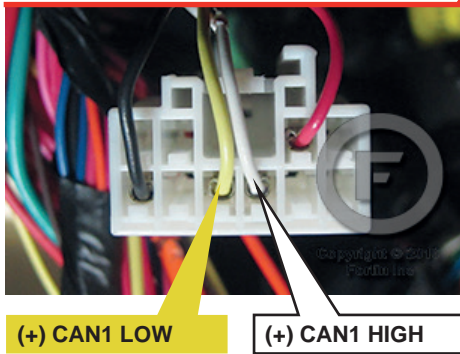
② At parking Lights switch



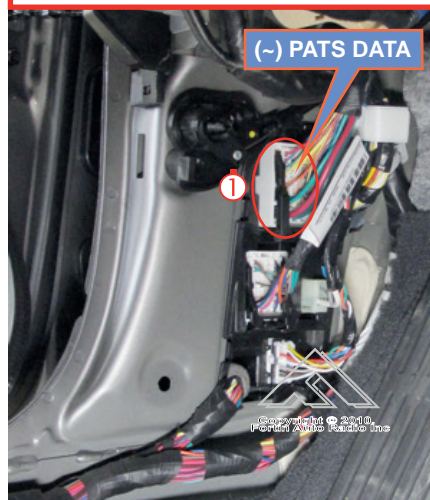
⑤ OBDII Connector



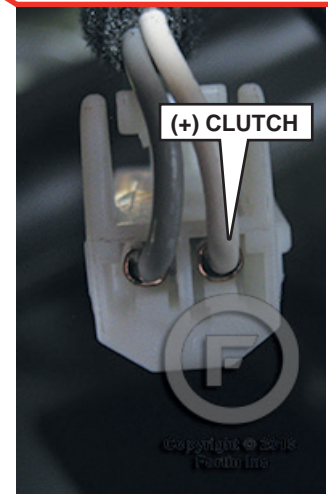
④ Fuse panel (back)



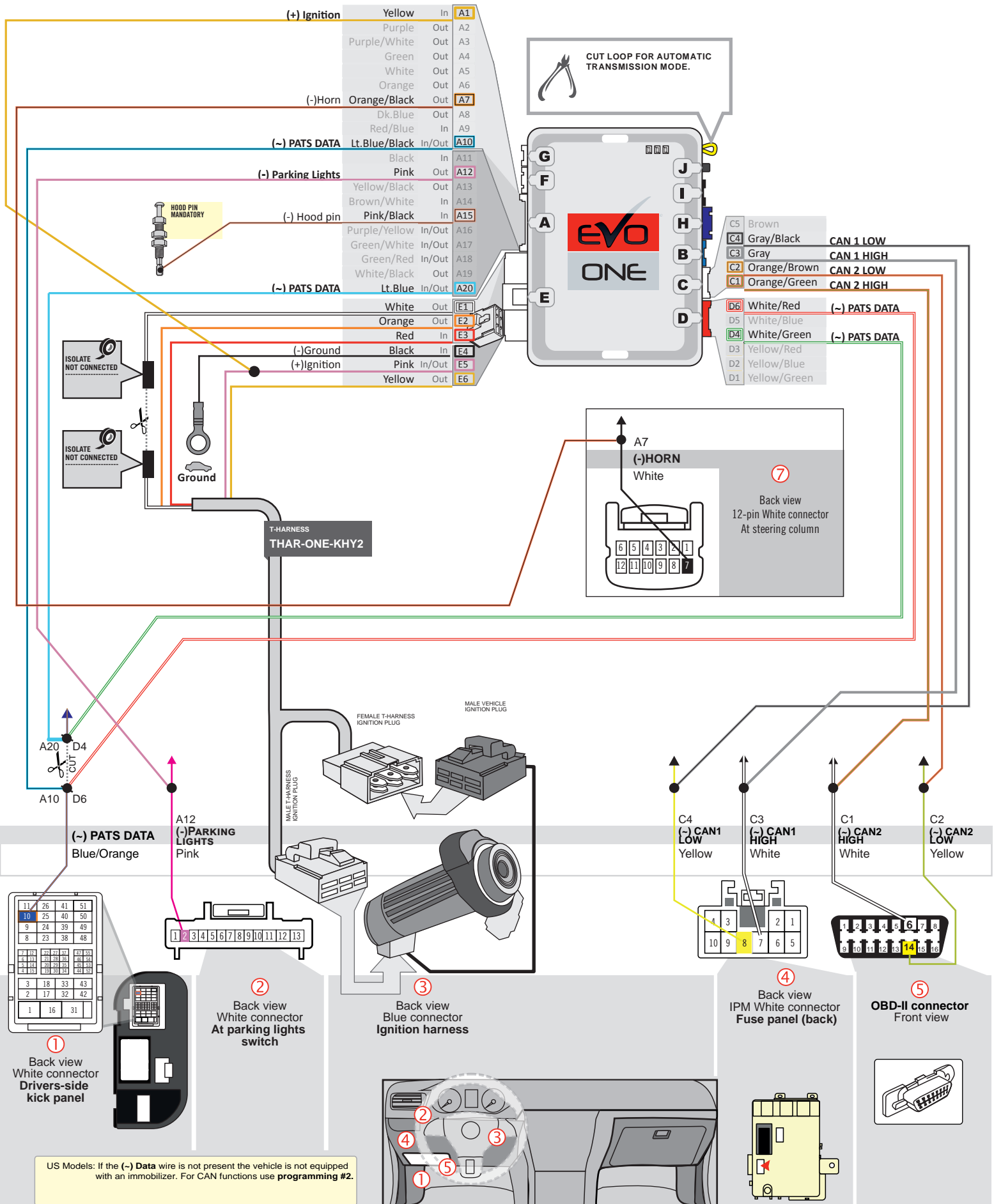
① Drivers-side kick panel



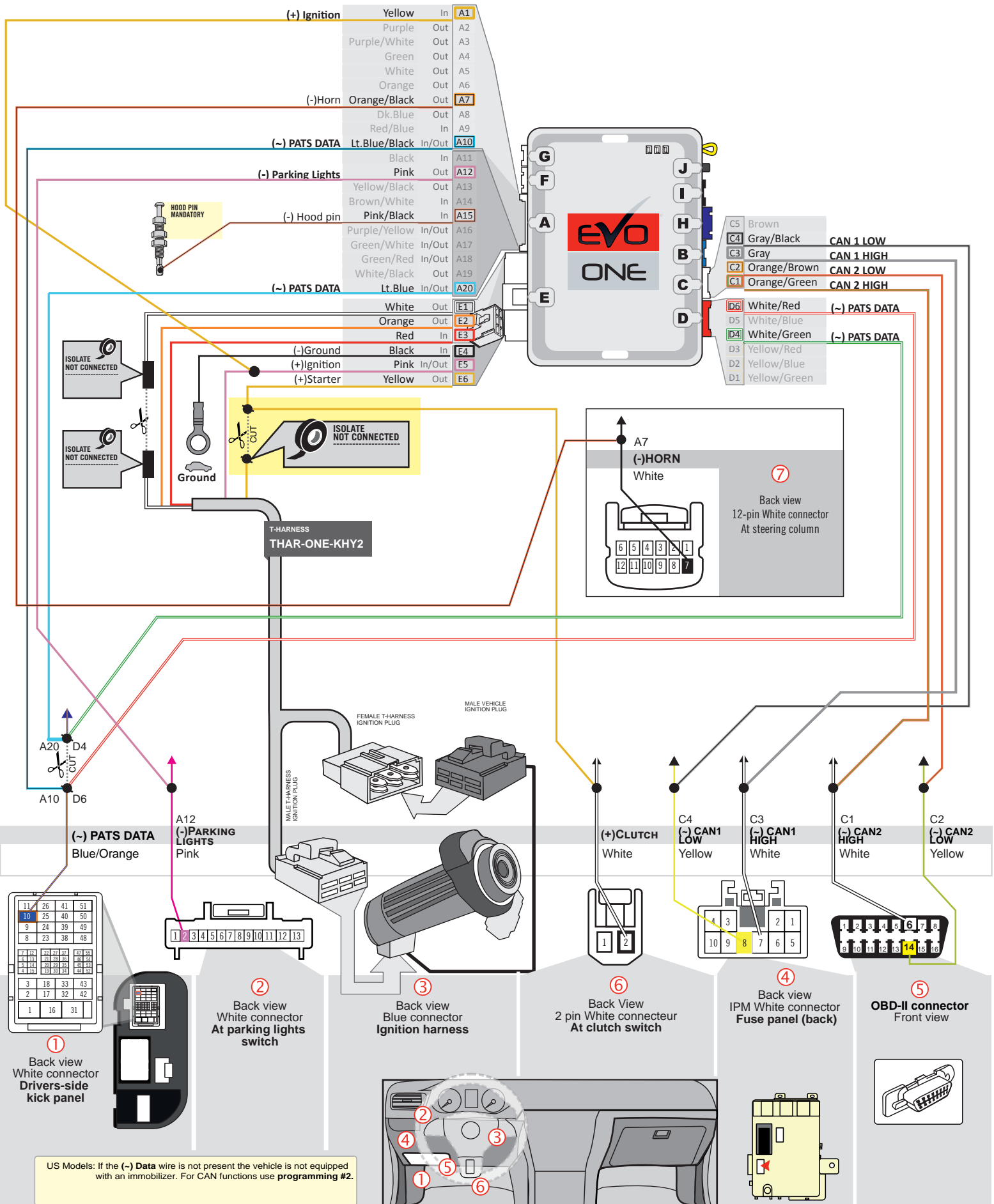
⑥ At clutch switch



AUTOMATIC TRANSMISSION WIRING CONNECTION

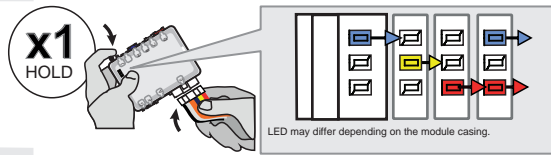


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

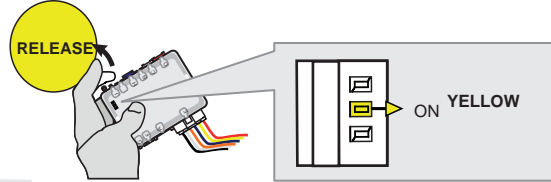
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

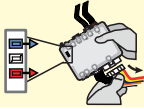
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

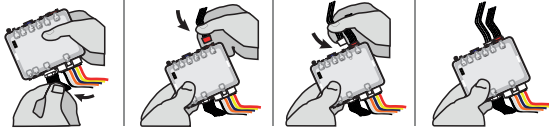


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW** LED is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

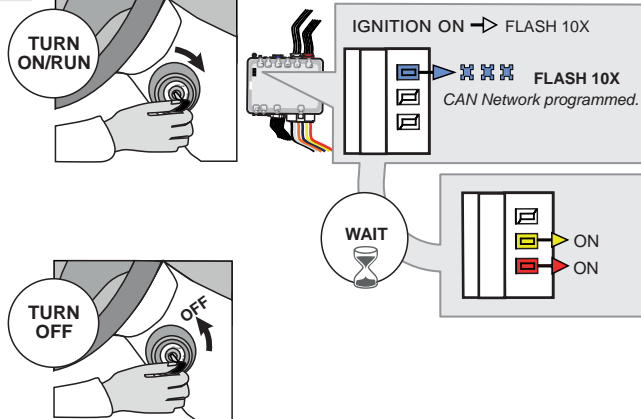


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

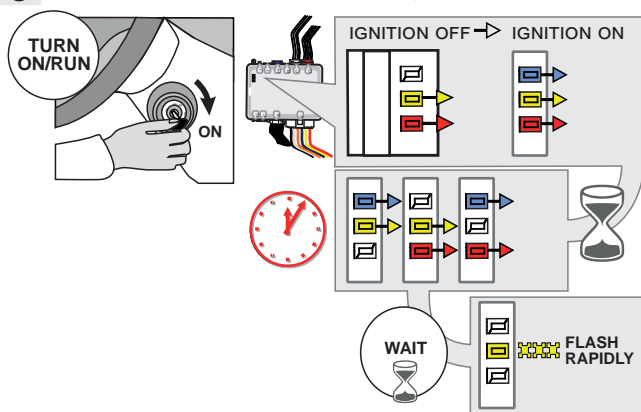
↳ The **BLUE** LED will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW** LED will turn ON:

Turn the key to the OFF position.

5



This process may take up to 5 minutes

Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW** LEDs are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW** LED's: processing...

↳ When the **YELLOW** LED begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

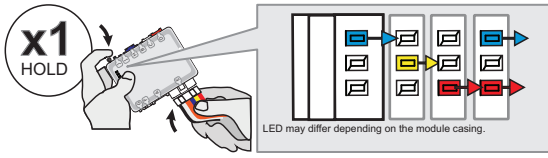


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

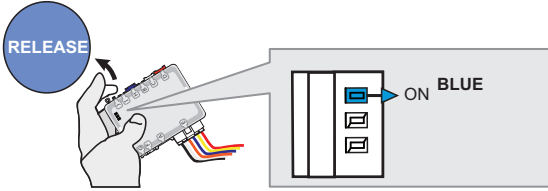
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

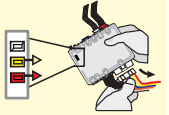
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

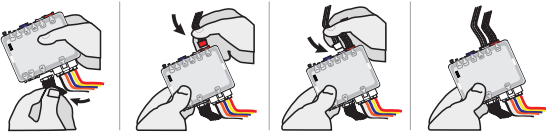


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

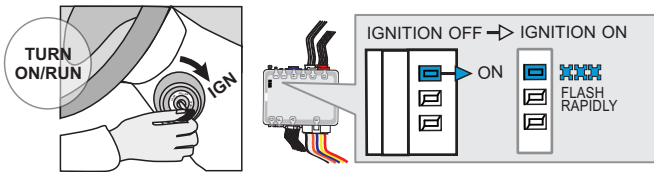


3



Insert the required remaining connectors.

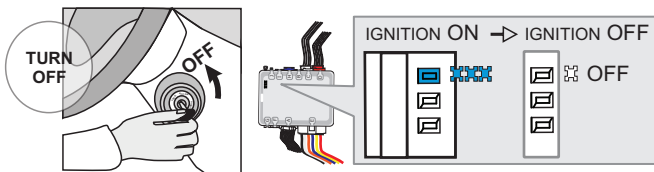
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

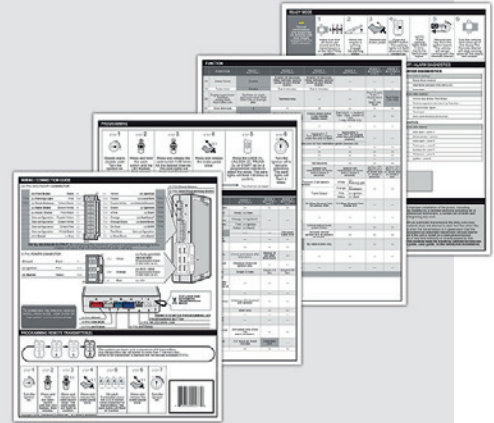


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Hood Status*
HYUNDAI																
Elantra	2014-2016	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•


BYPASS FIRMWARE VERSION
76.[51]

HYUNDAI/KIA MINIMUM

 To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

AUTOMATIC TRANSMISSION ONLY

Program remote starter option:
FUNCTION
MODE
DESCRIPTION
2
2

(+) Accessory 2 (E1)

MANUAL TRANSMISSION ONLY

Program remote starter option:
FUNCTION ONCTI
MODE
DESCRIPTION
2
3

(+) Start 2 (E1)


**Program bypass option
IF THE VEHICLE IS NOT EQUIPPED
WITH FUNCTIONAL HOOD PIN:**
UNIT OPTION
DESCRIPTION
A11
OFF

Hood trigger (Output Status).

MANDATORY INSTALL
*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11
OFF
SECURITY STICKER

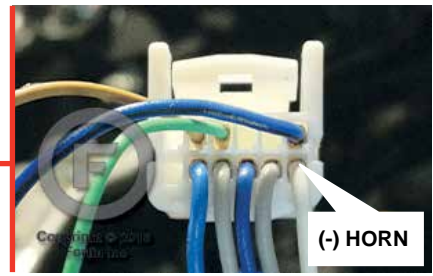
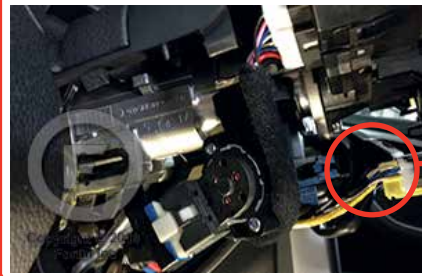

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

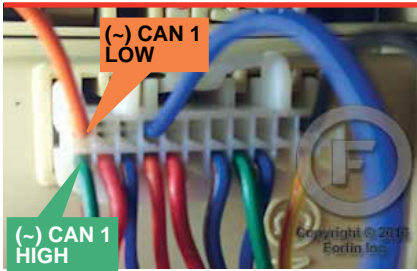
DESCRIPTION

⑦ At steering column



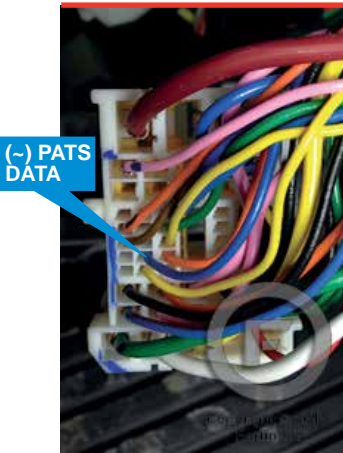
② Ignition Barrel

④ Behind Fuse Panel

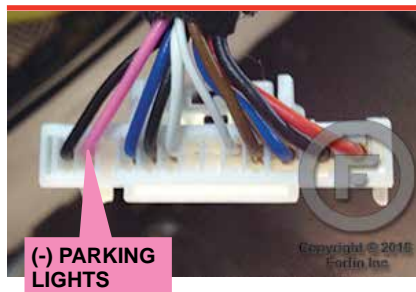


⑥ Clutch switch connector

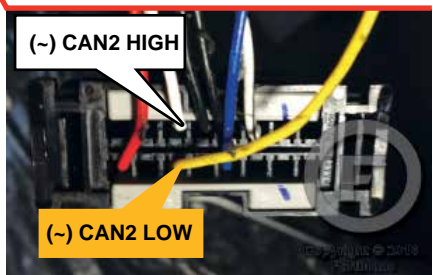
① Driver Kick Panel



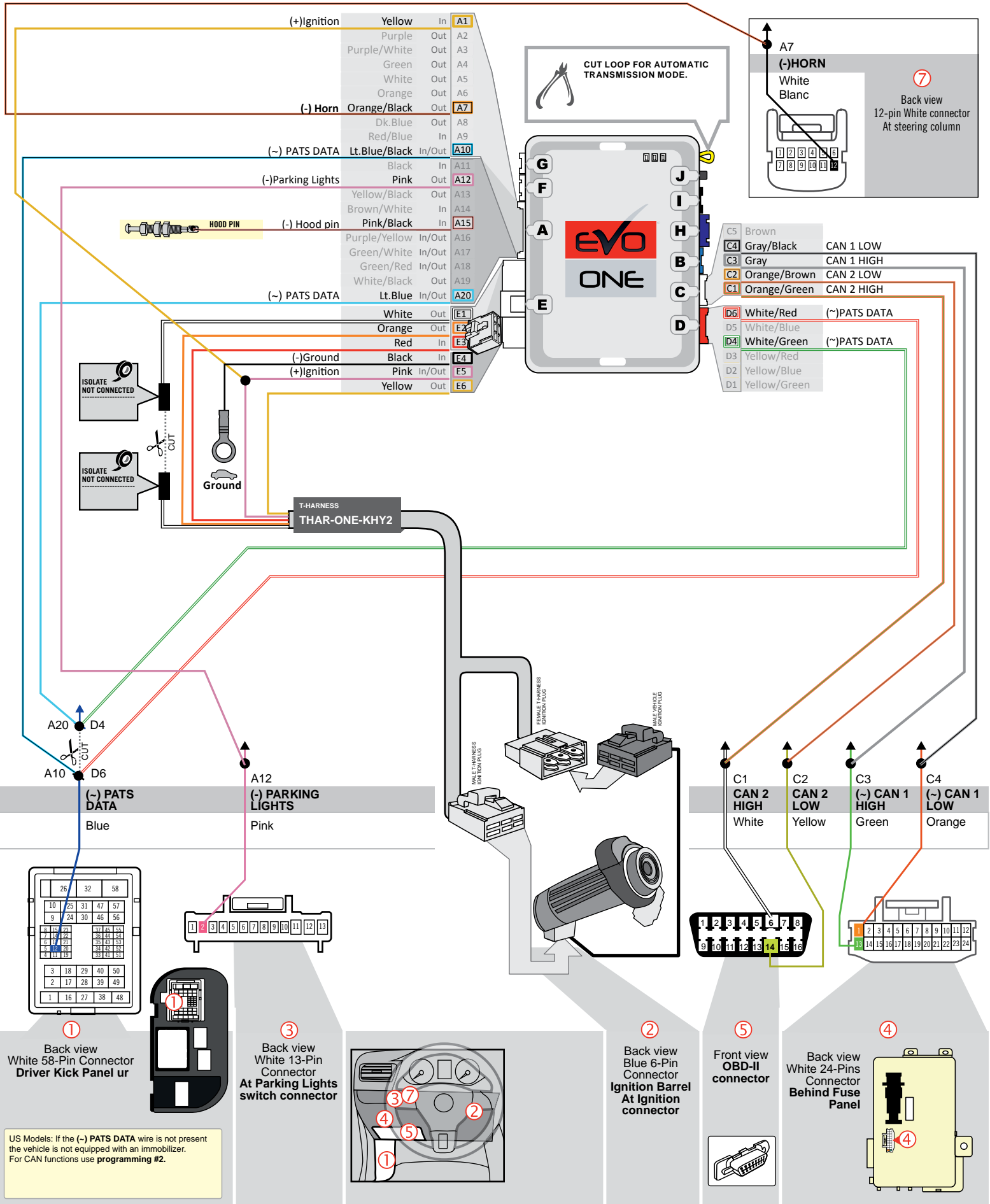
③ At Parking Light switch connector



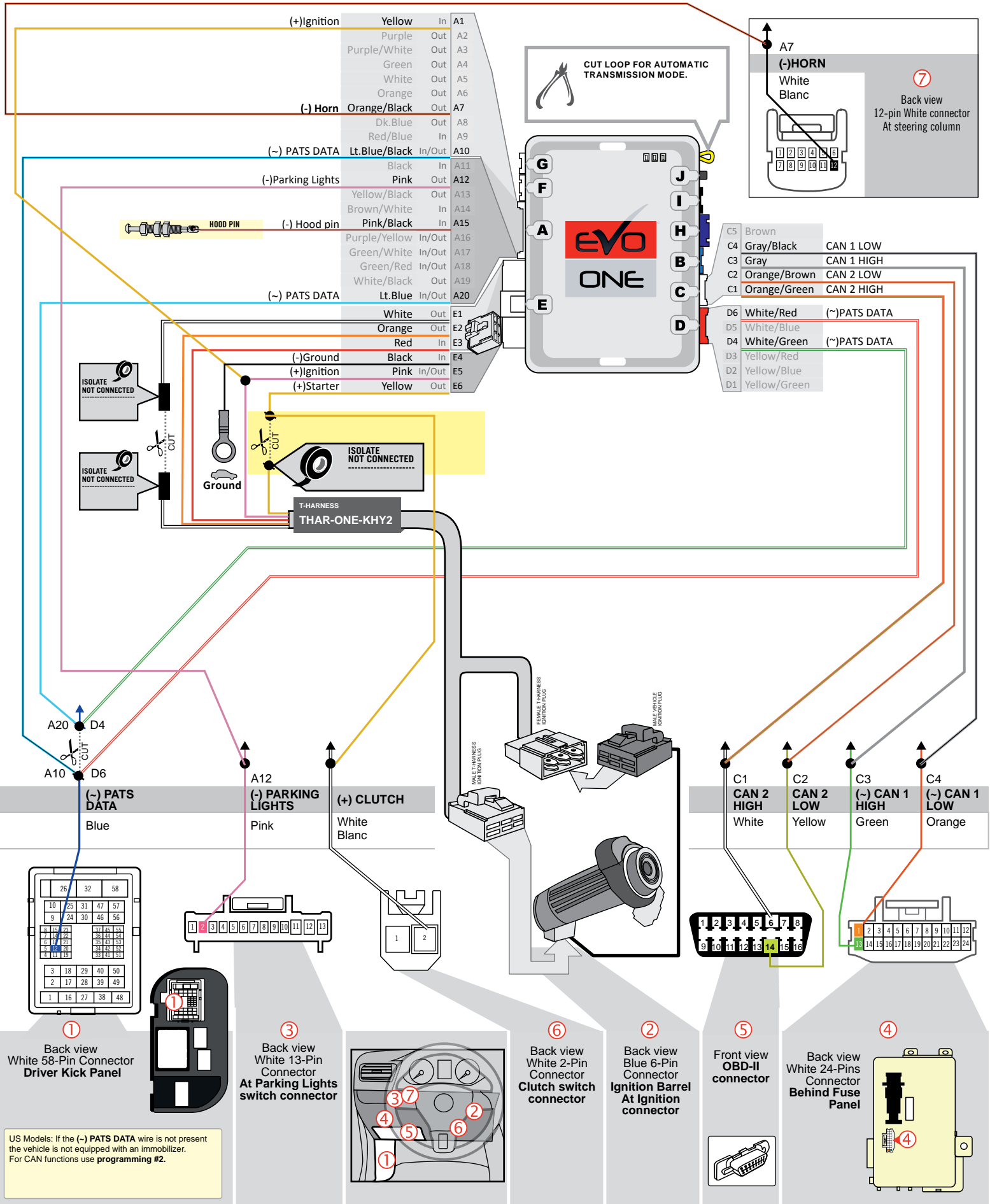
⑤ OBD-II connector



AUTOMATIC TRANSMISSION WIRING CONNECTION



MANUAL TRANSMISSION WIRING CONNECTION



1 Back view White 58-Pin Connector Driver Kick Panel

3 Back view White 13-Pin Connector At Parking Lights switch connector

6 Back view White 2-Pin Connector Clutch switch connector

2 Back view Blue 6-Pin Connector Ignition Barrel At Ignition connector

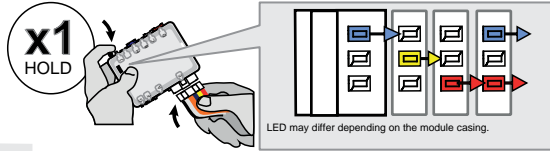
5 Front view OBD-II connector

4 Back view White 24-Pins Connector Behind Fuse Panel

US Models: If the (-) PATS DATA wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

KEY BYPASS PROGRAMMING PROCEDURE

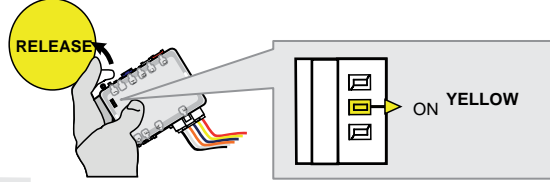
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

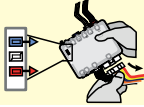
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

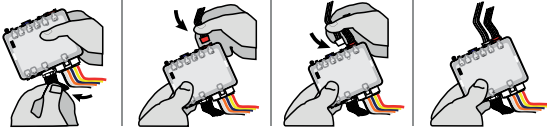


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW** LED is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

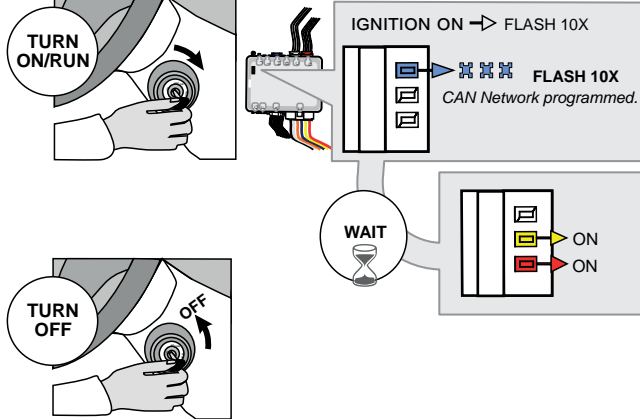


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

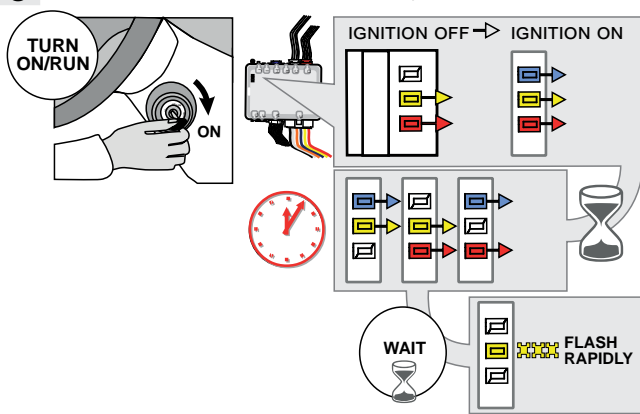
↳ The **BLUE** LED will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW** LED will turn ON:

Turn the key to the OFF position.

5



Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW** LEDs are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW** LED's: processing...

↳ When the **YELLOW** LED begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

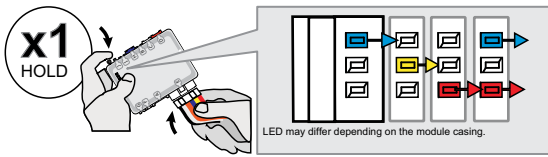
The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.



PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

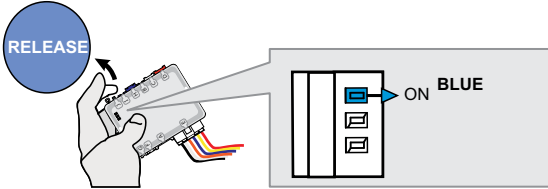
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

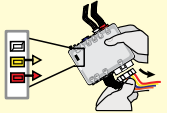
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

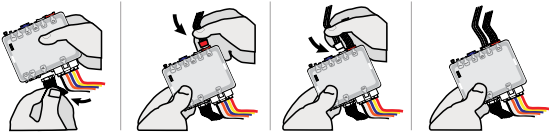


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

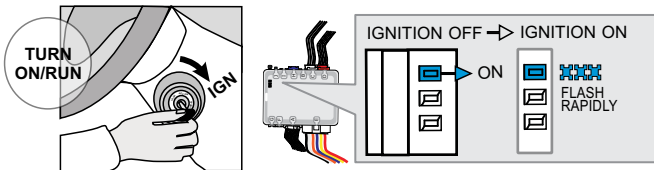


3



Insert the required remaining connectors.

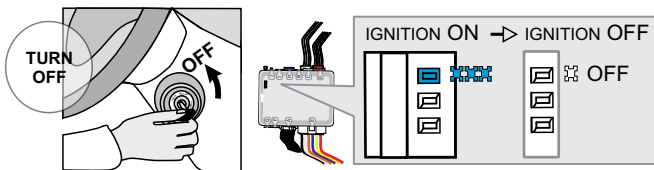
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

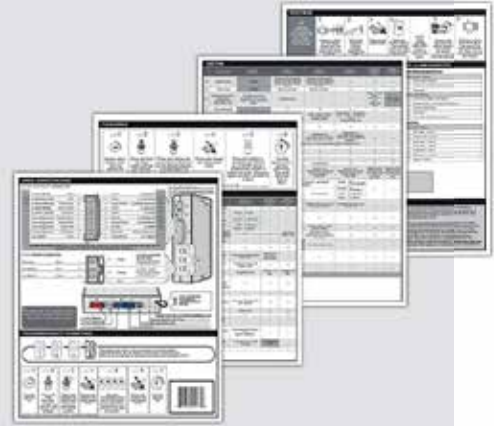
↳ The **BLUE LED** will turn off.



The module is now programmed.



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																	
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open & close)	RAP & Auto Lights Disable	Parking Lights	Horn	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring**	
HYUNDAI																			
Elantra	2017-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION		DESCRIPTION
		A11	OFF	Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION		DESCRIPTION
		C1		OEM Remote status (Lock/Unlock) monitoring

NOTES

****OEM Remote monitoring**

The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER

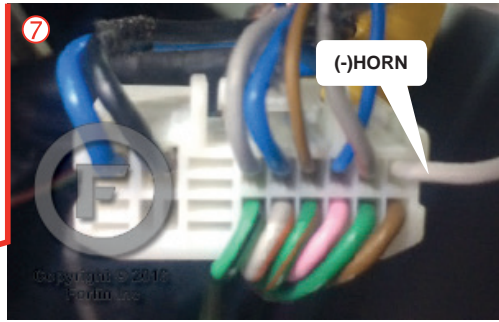
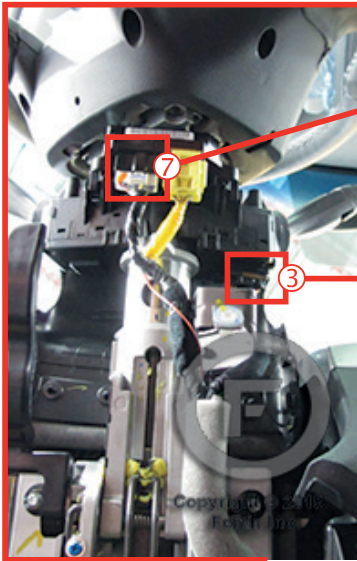
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

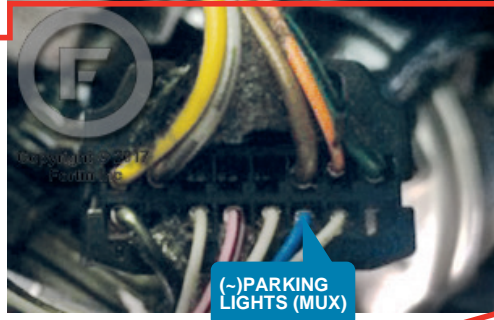
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

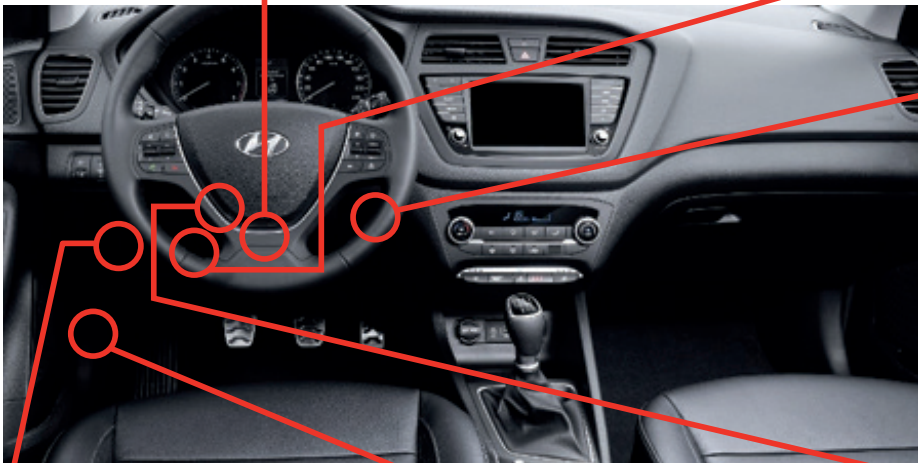
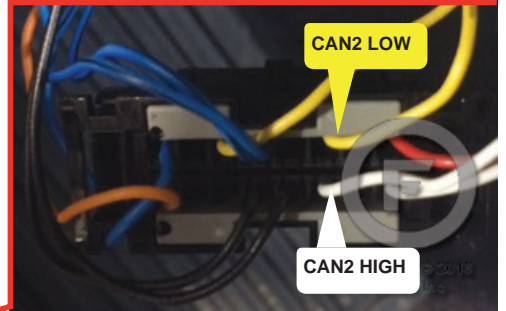
③ ⑦ Under steering column.



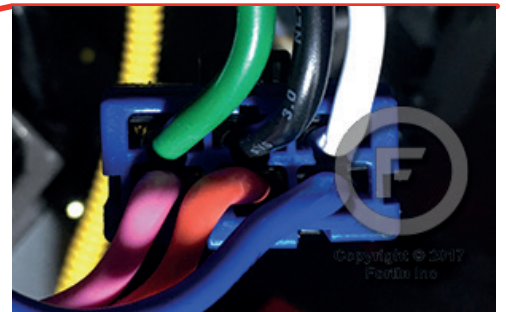
③ Under steering column.



④ OBD-II connector



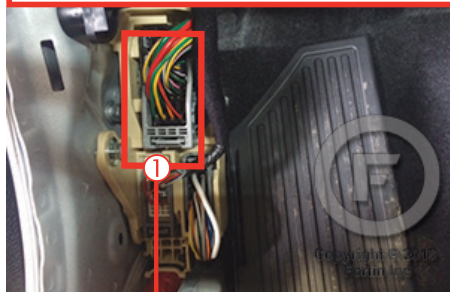
② Ignition connector



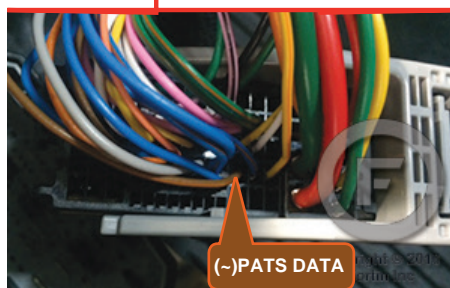
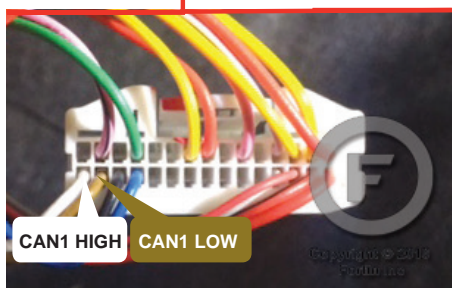
⑤ Back of fuse box



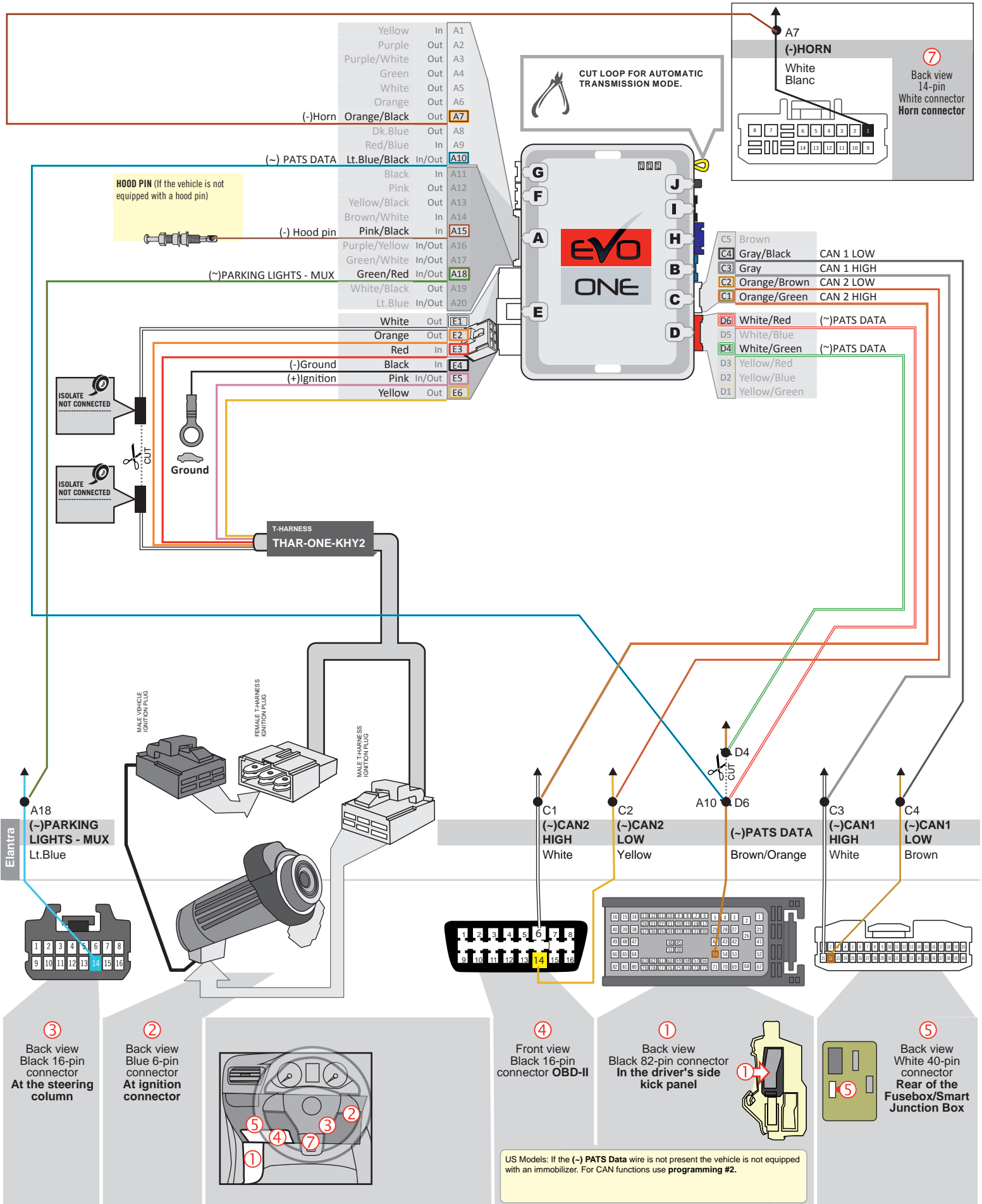
① In the driver's side kick panel



⑥ At clutch switch



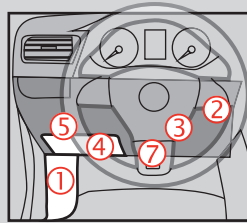
AUTOMATIC TRANSMISSION WIRING CONNECTION



Elantra
A18
(-)PARKING LIGHTS - MUX
Lt.Blue

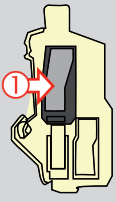
③ Back view Black 16-pin connector At the steering column

② Back view Blue 6-pin connector At ignition connector



④ Front view Black 16-pin connector OBD-II

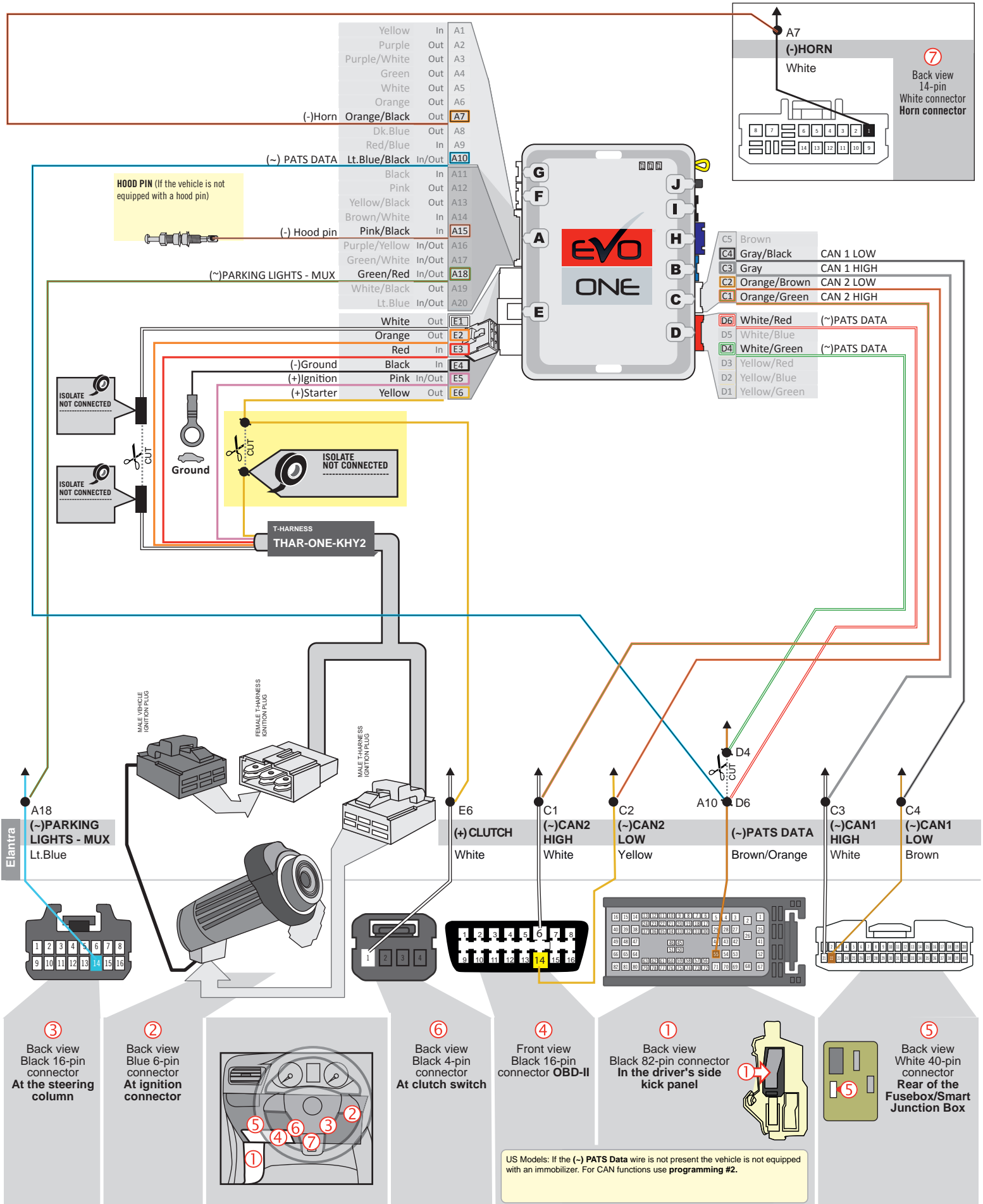
① Back view Black 82-pin connector In the driver's side kick panel



⑤ Back view White 40-pin connector Rear of the Fusebox/Smart Junction Box

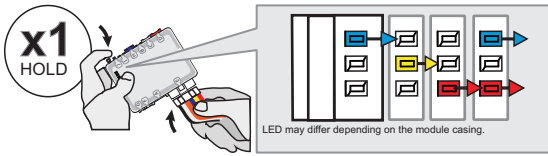
US Models: If the (-) PATS Data wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

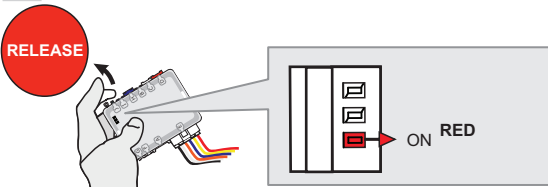
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

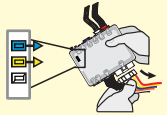
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

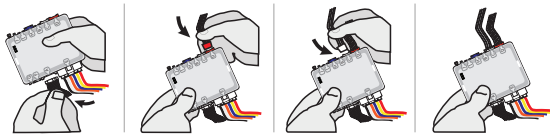


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

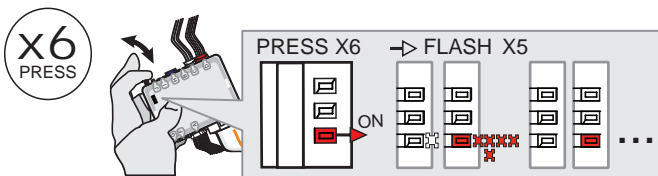


3



Insert the required remaining connectors.

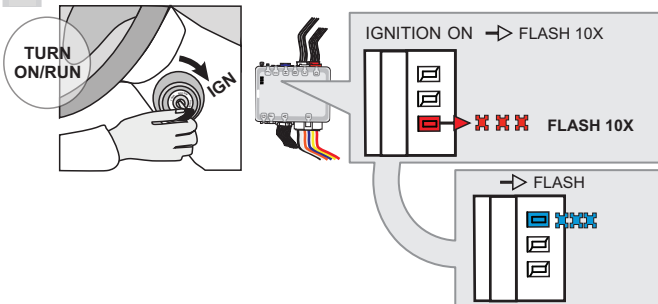
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

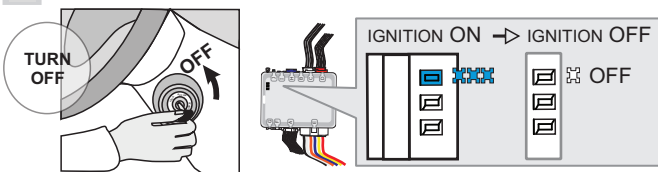


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

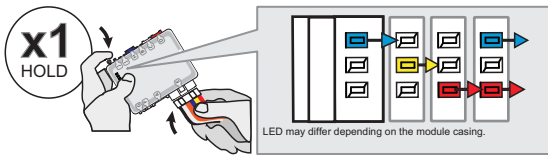


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

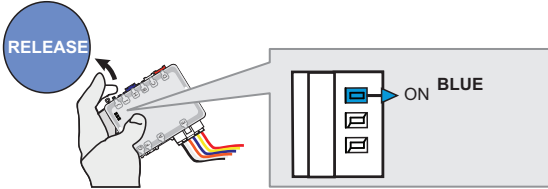
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

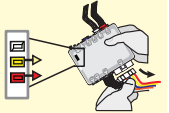
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

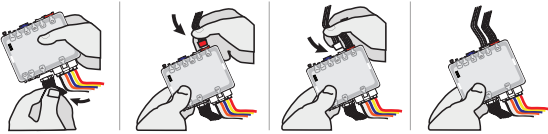


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

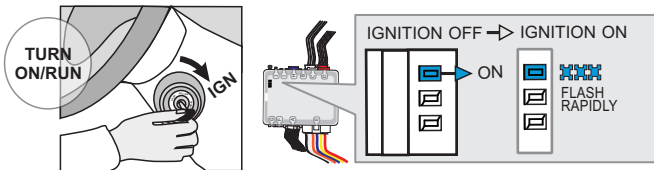


3



Insert the required remaining connectors.

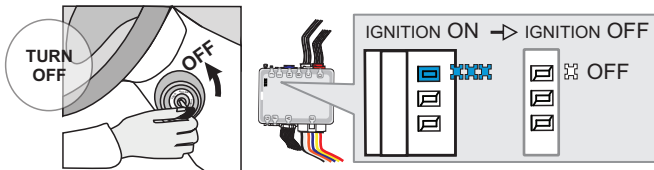
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

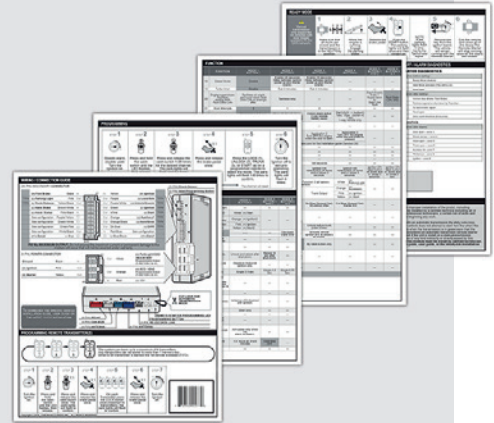


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).																	
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**	
HYUNDAI																			
Elantra GT	2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	BYPASS FIRMWARE VERSION 76.[60] MINIMUM	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
--	--	---

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	A11	OFF	Hood trigger (Output Status).
---	---	---	-------------------------------

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)



Parts required (Not included)
1x THAR-ONE-KHY2

NOTES

**OEM Remote monitoring
 The vehicles OEM remote will be operable when the engine is running.

MANDATORY INSTALL

* **HOOD PIN**



HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11
OFF
SECURITY STICKER

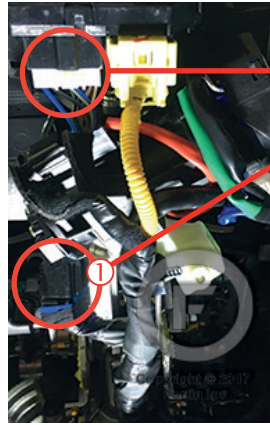
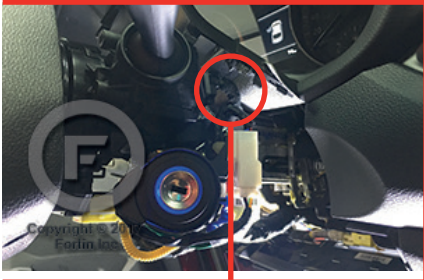

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

③ Under the wiper switch



① At Ignition Connector



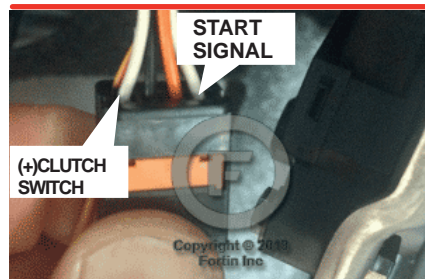
⑧ At horn switch



② In the driver's side kick panel



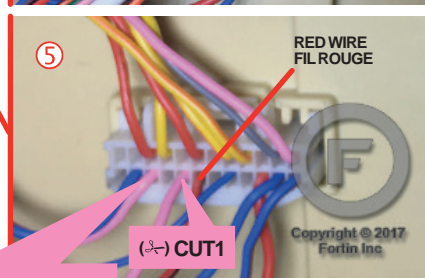
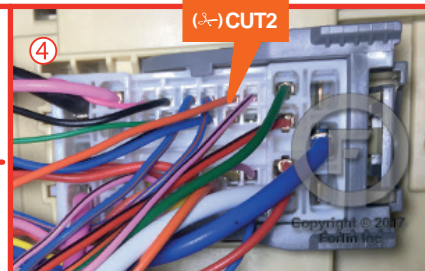
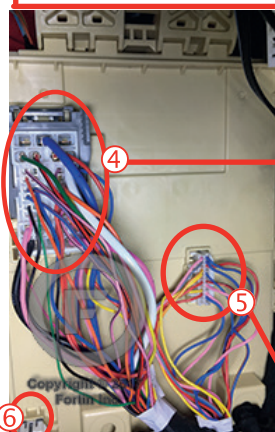
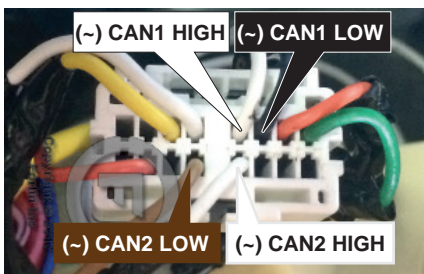
⑦ Clutch switch



At back of fuse box



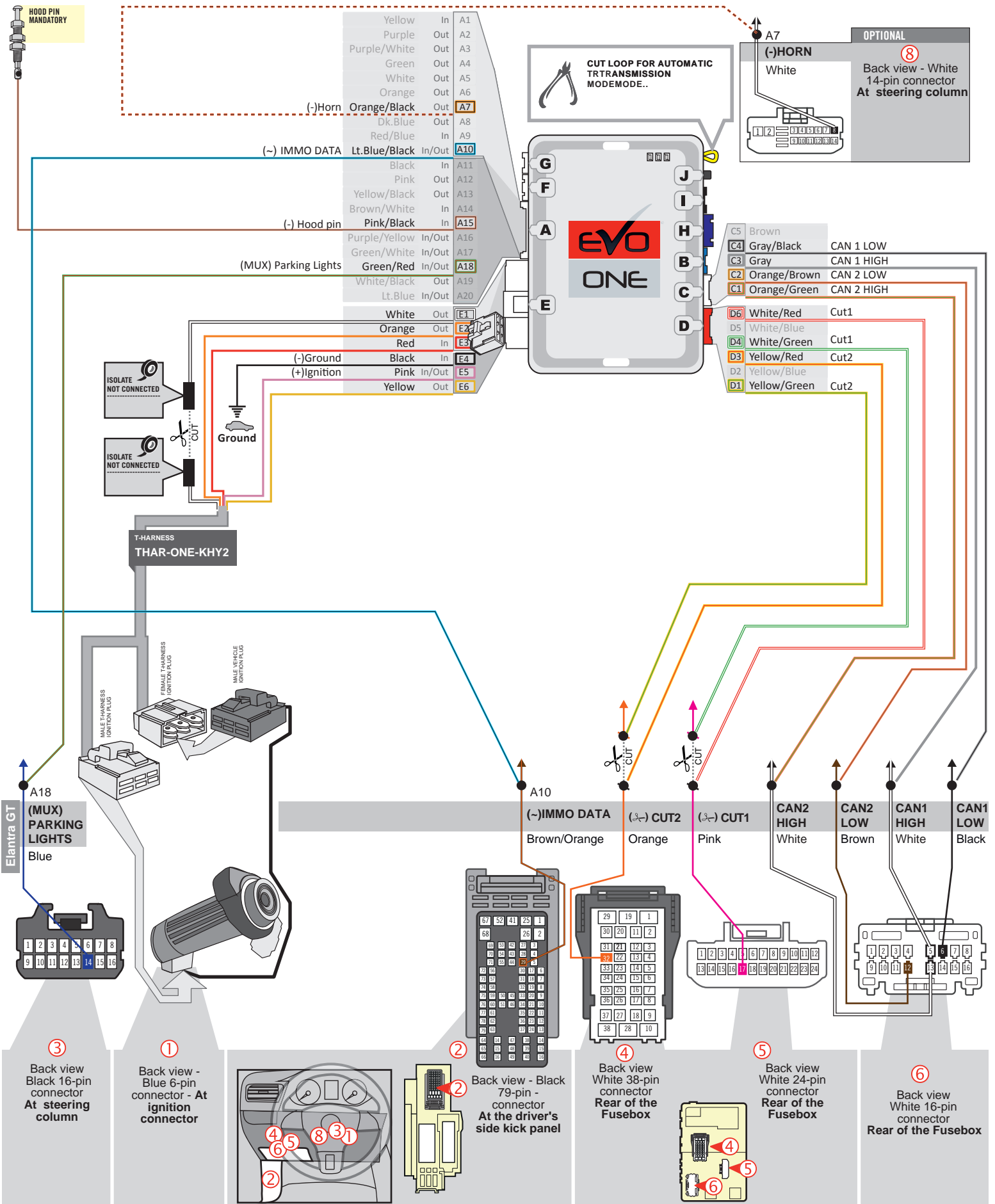
⑥



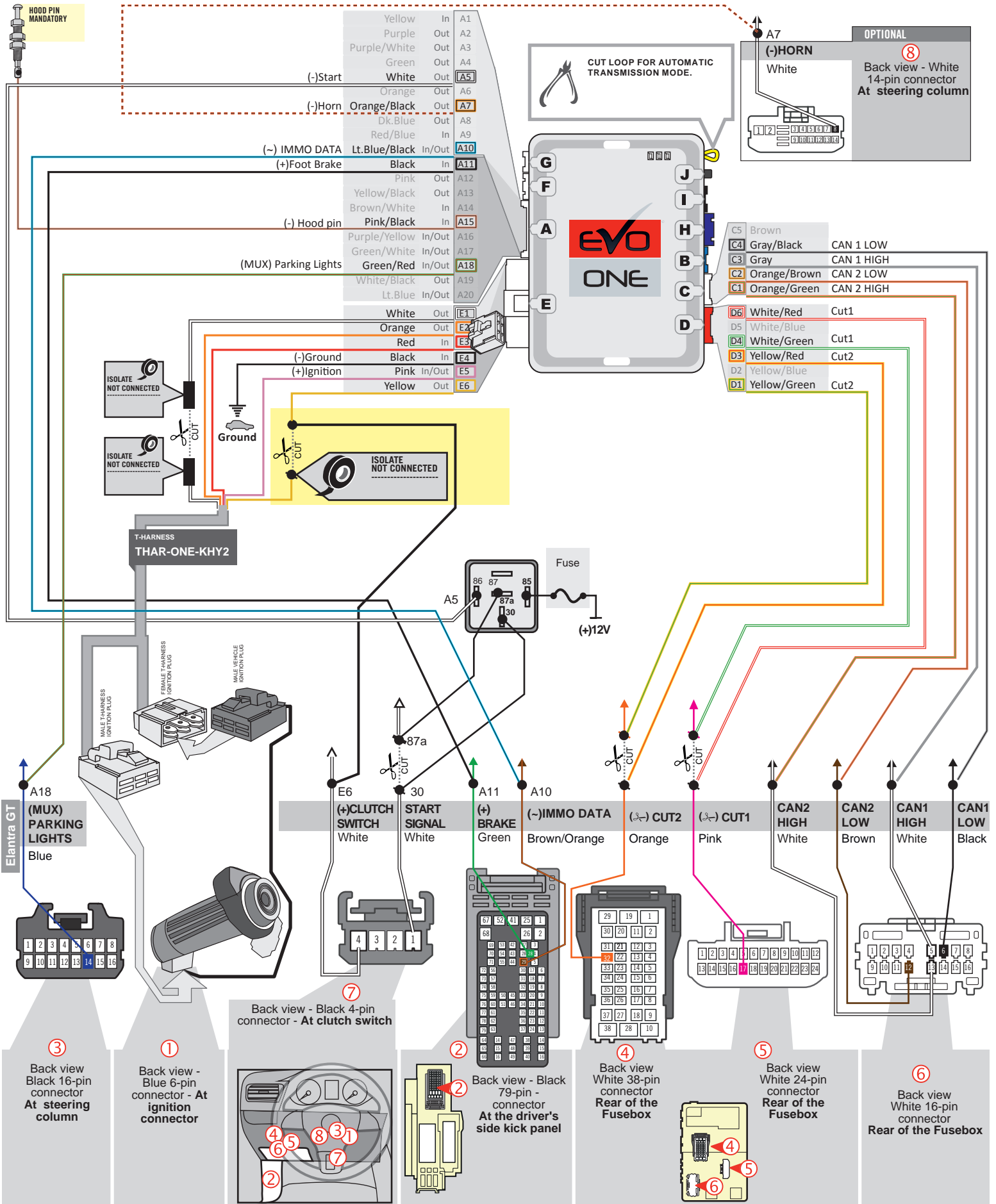
CAUTION DO NOT use this wire

(-) CUT1

AUTOMATIC TRANSMISSION WIRING CONNECTION

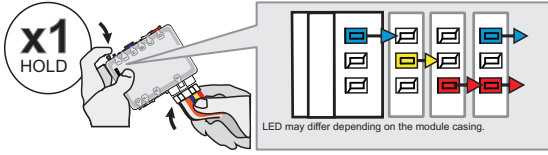


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

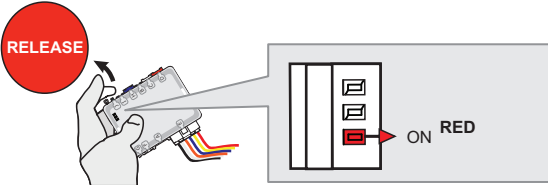
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

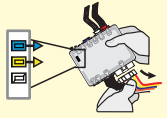
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

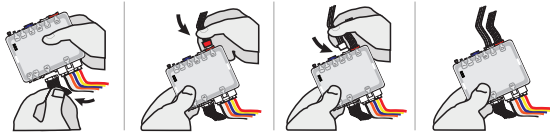


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

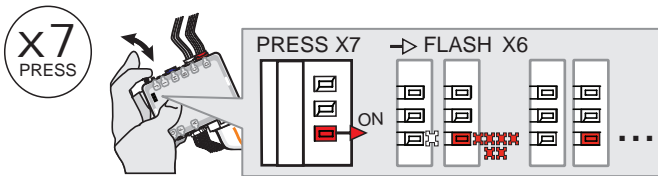


3



Insert the required remaining connectors.

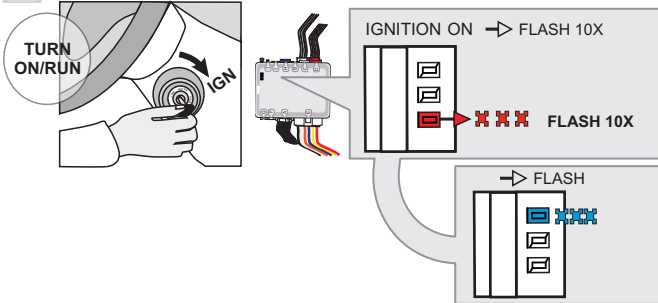
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

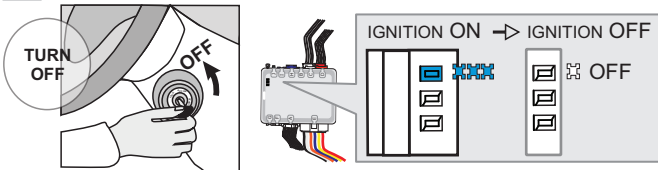


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

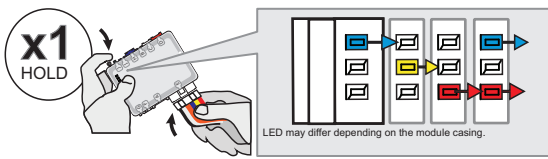


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

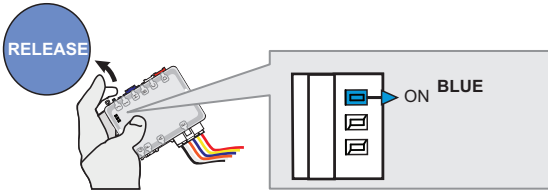
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

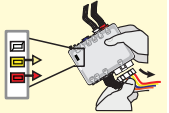
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

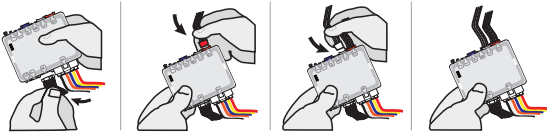


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

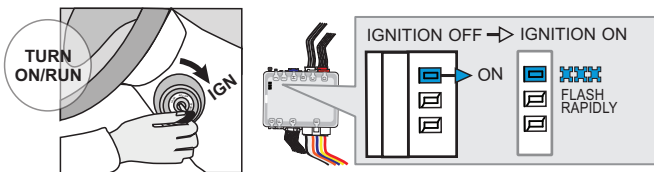


3



Insert the required remaining connectors.

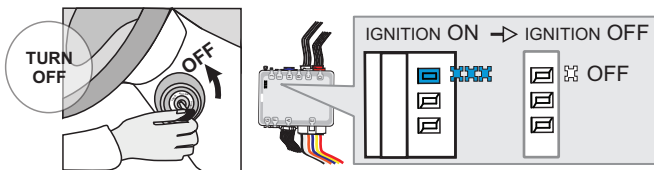
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

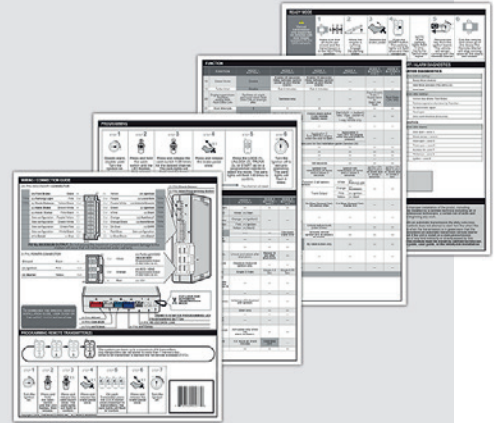


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**
HYUNDAI Elantra GT	2019-2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION
76.[60]
MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

A11

OFF

Hood trigger (Output Status).

Program bypass option:

UNIT OPTION	DESCRIPTION
C1	OEM Remote status (Lock/Unlock) monitoring

Program remote starter option for **R.S. OEM REMOTE STAND ALONE:**

FUNCTION	MODE	DESCRIPTION
38	2	Enable : Press 3x Lock to remote start with the OEM remote.

MANUAL TRANSMISSION ONLY

	FUNCTION	MODE	DESCRIPTION
Program remote starter option:	2	3	(+) Start 2 (E1)


Parts required (Not included)

1x THAR-ONE-KHY2

NOTES
****OEM Remote monitoring**


The vehicles OEM remote will be operable when the engine is running.

MANDATORY INSTALL
*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

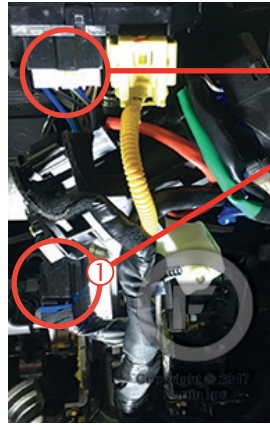
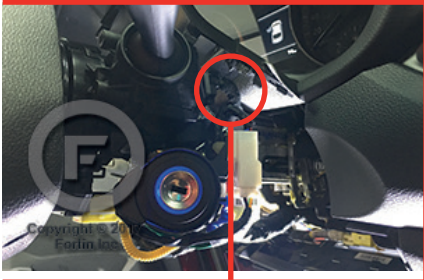

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION |

③ Under the wiper switch



① At Ignition Connector



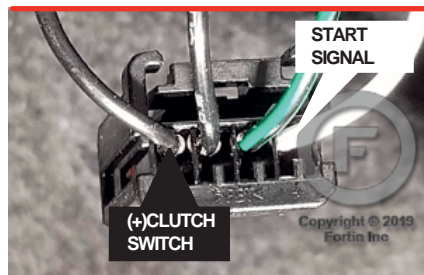
⑧ At horn switch



② In the driver's side kick panel



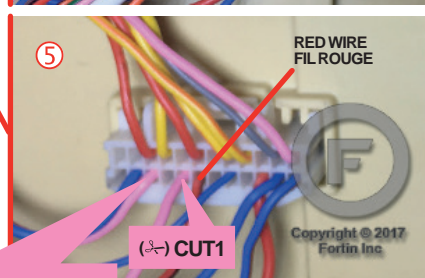
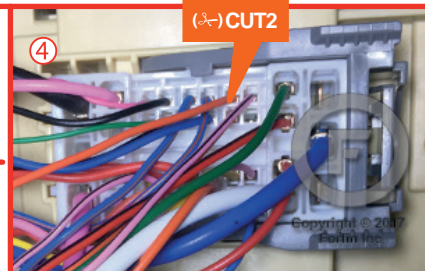
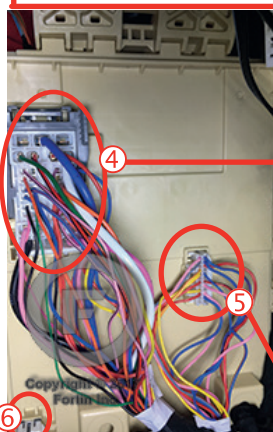
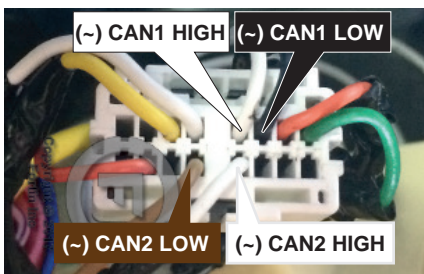
⑦ Clutch switch



At back of fuse box

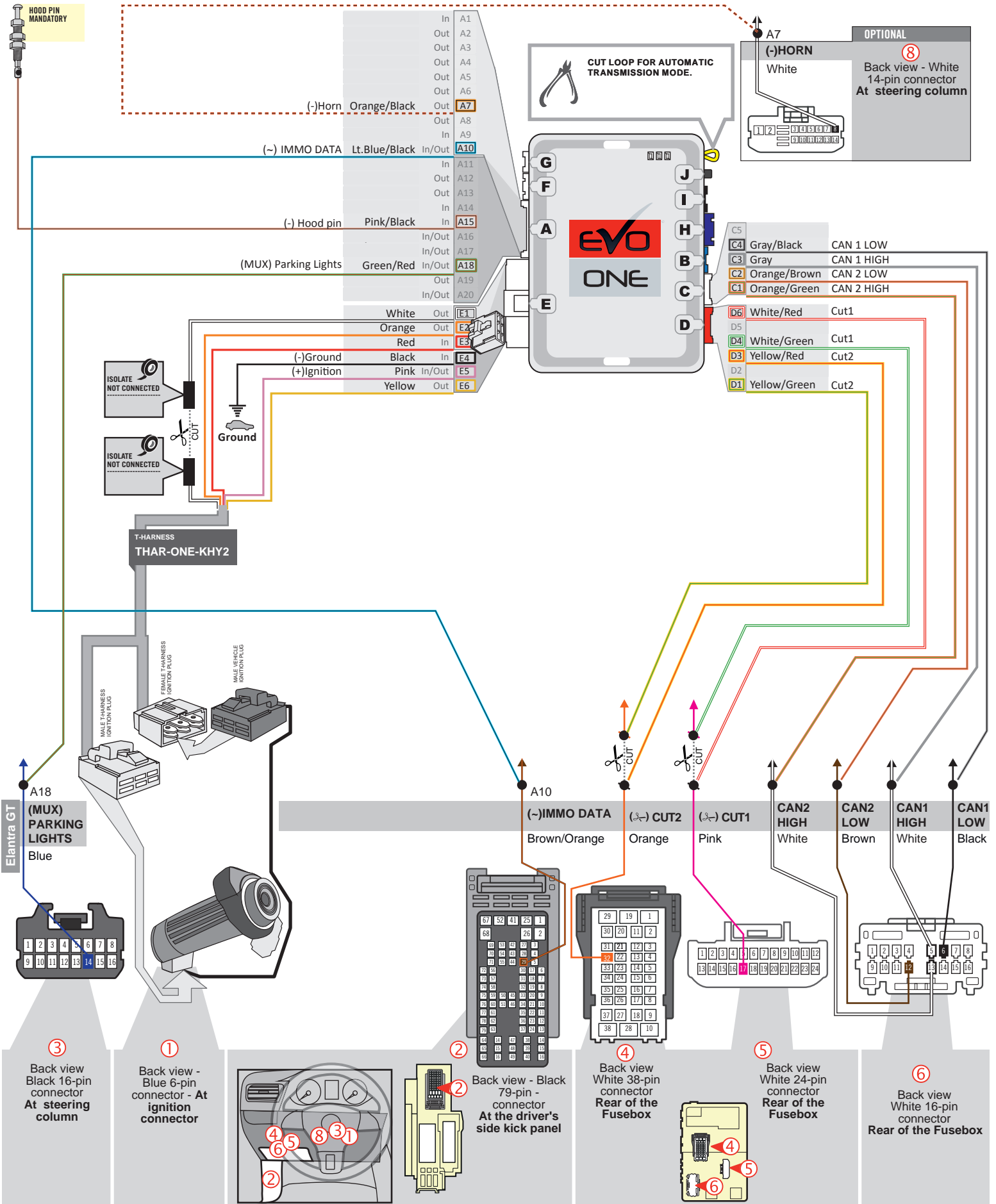


⑥

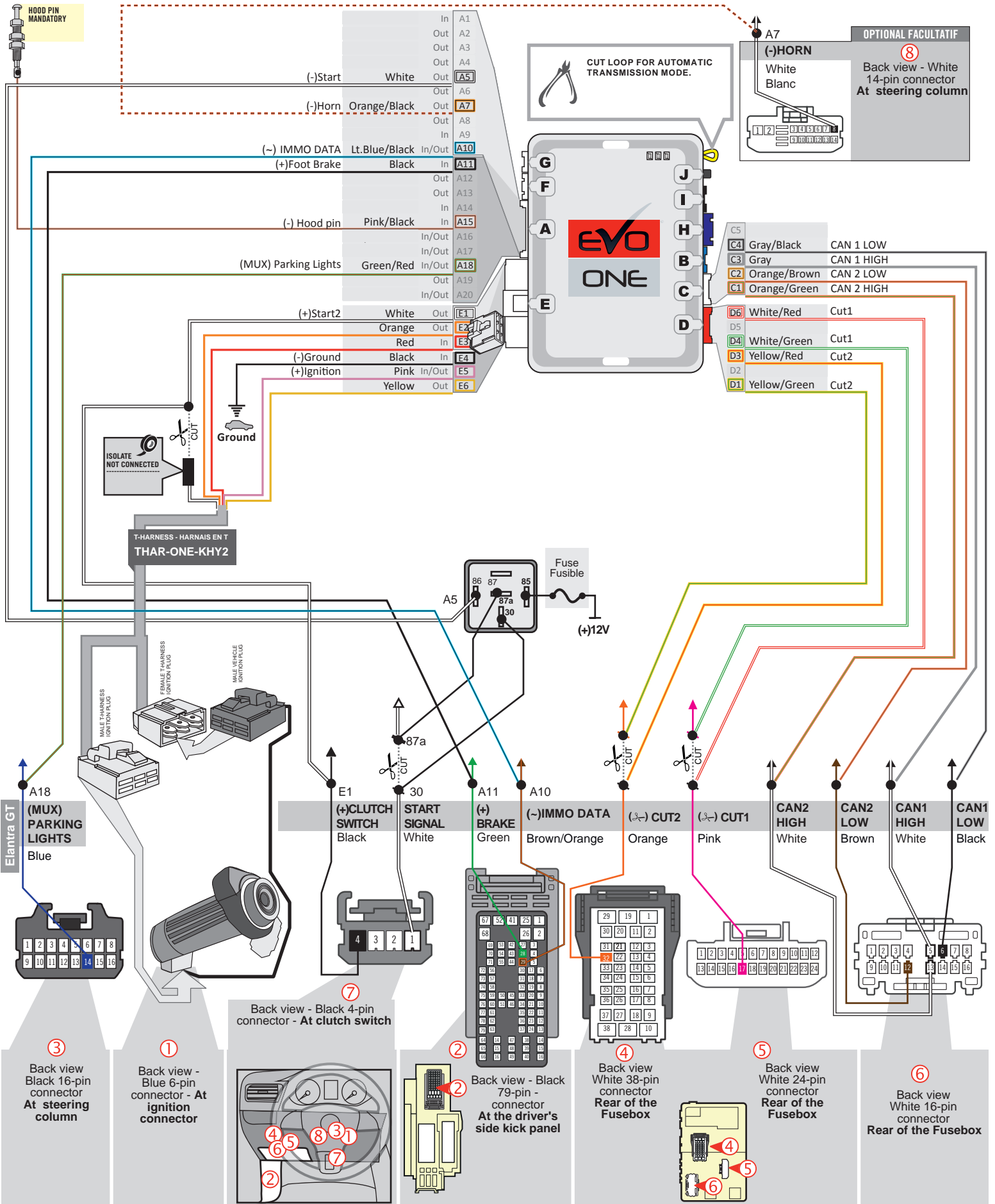


CAUTION DO NOT use this wire

AUTOMATIC TRANSMISSION WIRING CONNECTION |

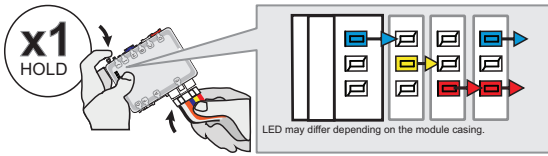


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

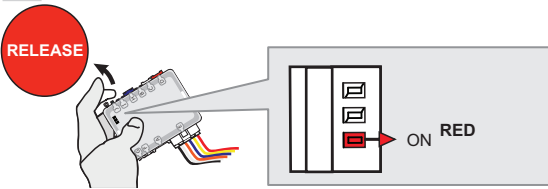
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

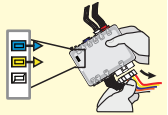
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

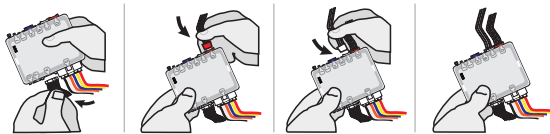


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

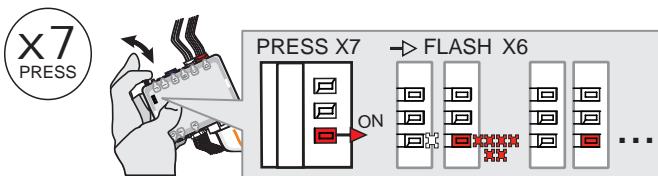


3



Insert the required remaining connectors.

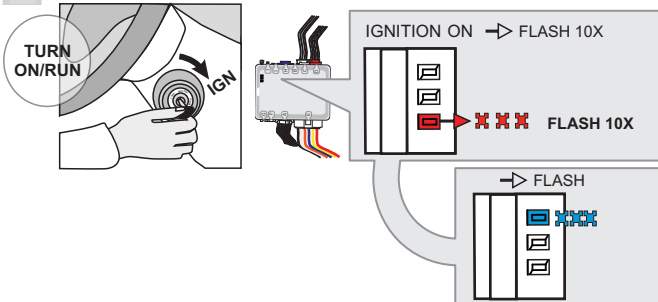
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

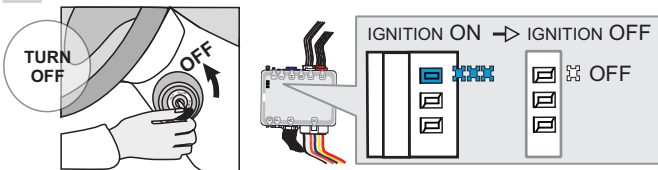


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

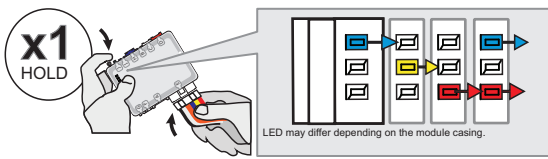


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

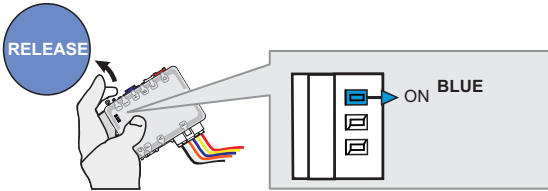
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

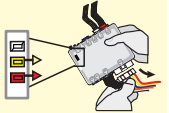
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

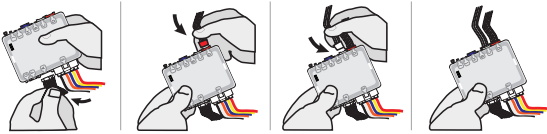


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

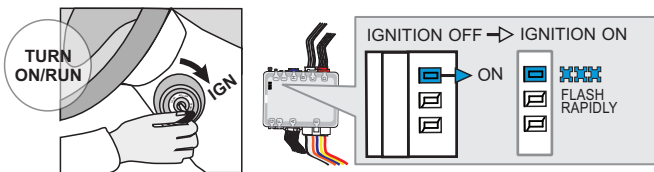


3



Insert the required remaining connectors.

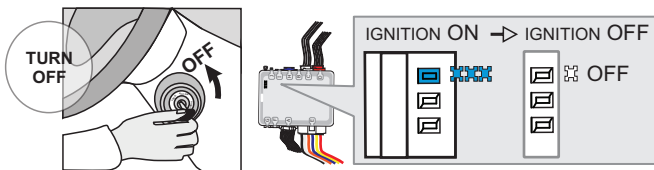
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

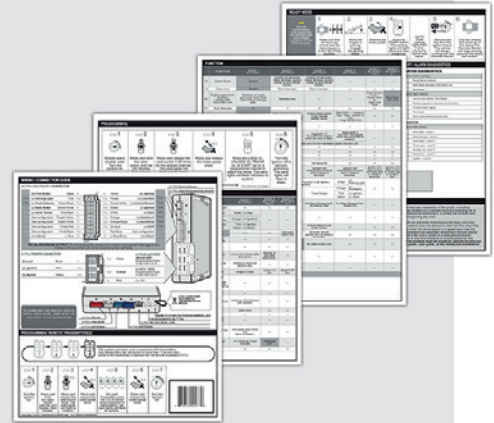


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE		Vehicle functions supported in this diagram (functional if equipped)															
VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring**
HYUNDAI																	
Genesis Coupe	2013-2015	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•


BYPASS FIRMWARE VERSION
76.[43]

HYUNDAI/KIA MINIMUM

 To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

**Program bypass option
(if equipped with OEM alarm):**
UNIT OPTION
D2
DESCRIPTION

Unlock before / Lock after (Disarm OEM alarm)

AUTOMATIC TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

MANUAL TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

NOTES
****OEM Remote monitoring**


The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL
*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER

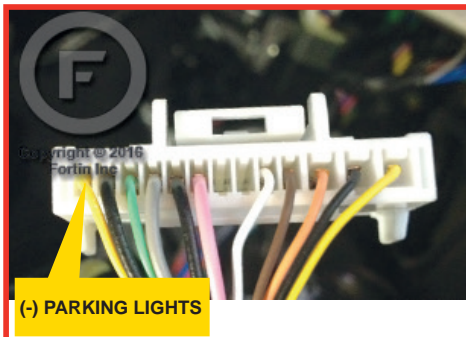

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

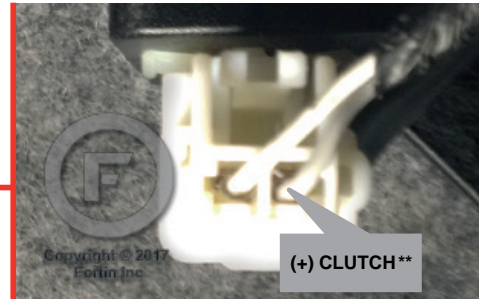
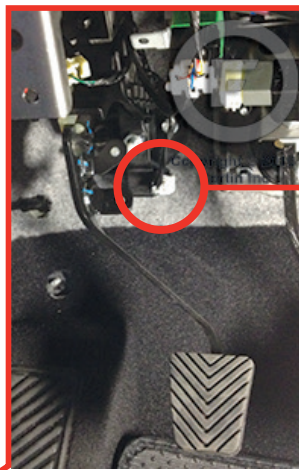
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

③ At Parking Lights switch connector

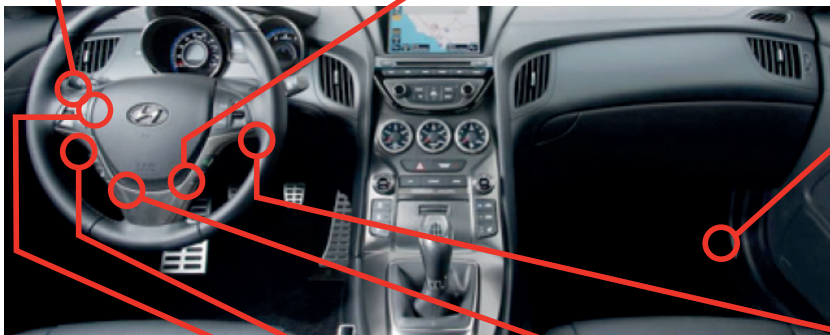
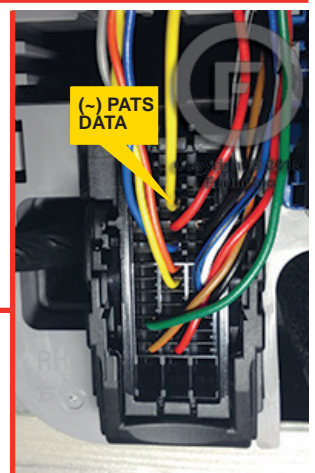
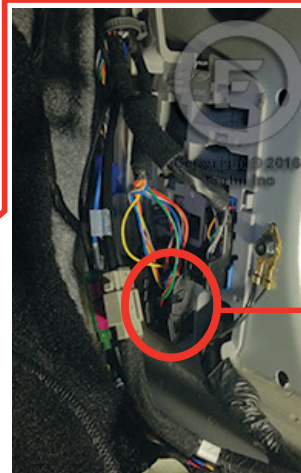


④ Clutch switch connector

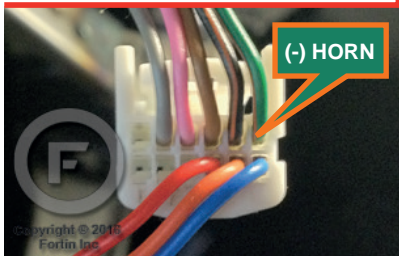


**MANUAL TRANSMISSION

① Passenger Kick Panel



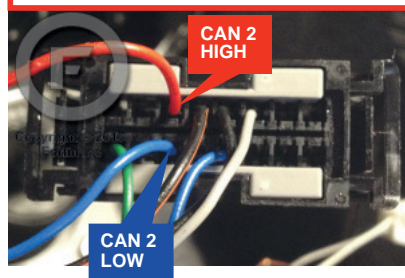
⑦ At steering column



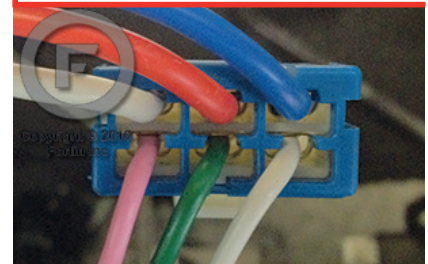
⑥ Behind Fuse Panel



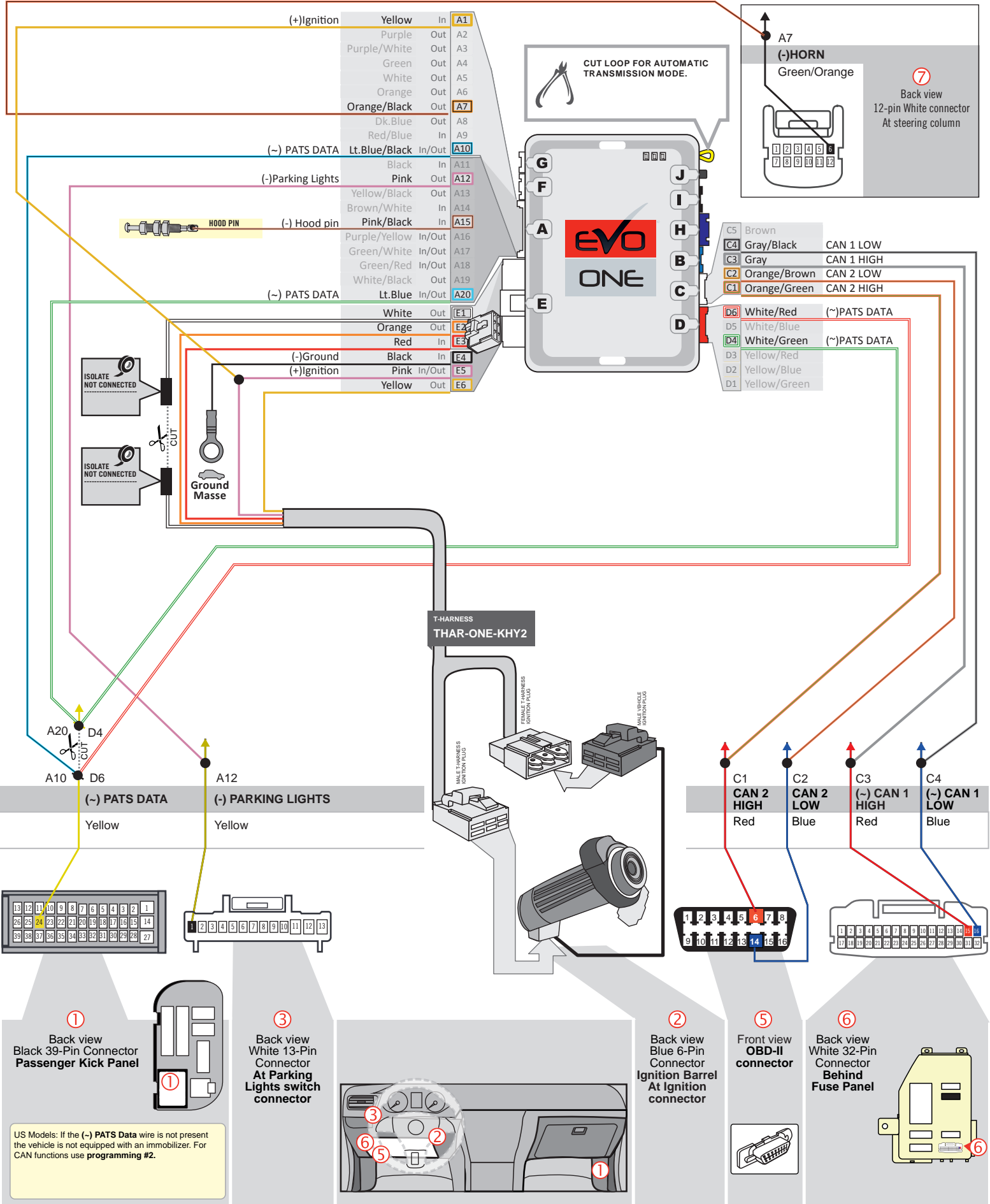
⑤ OBD-II connector



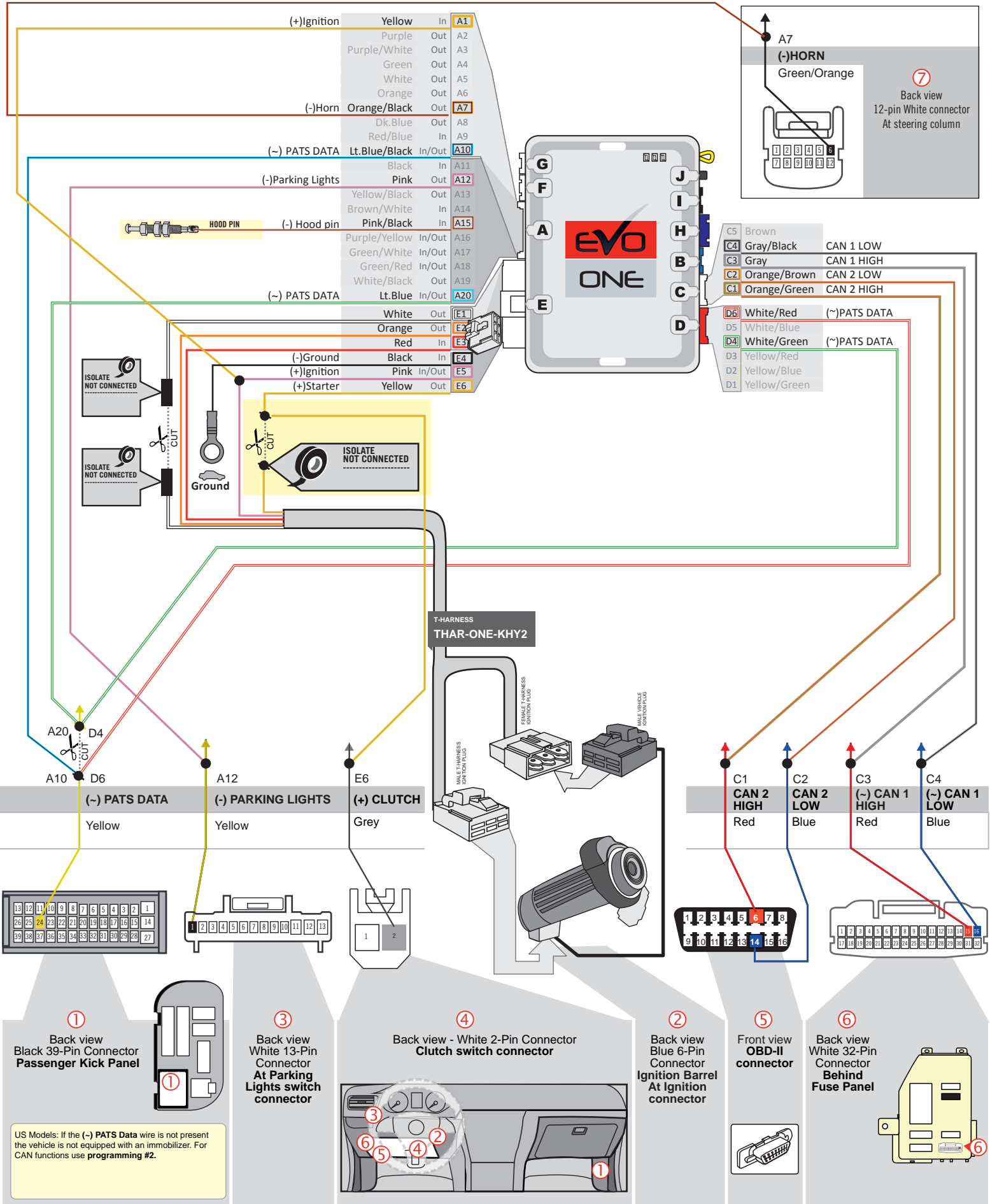
② Ignition Barrel



AUTOMATIC TRANSMISSION WIRING CONNECTION



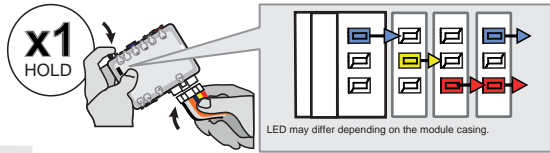
MANUAL TRANSMISSION WIRING CONNECTION



US Models: If the (-) PATS Data wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

KEY BYPASS PROGRAMMING PROCEDURE

1

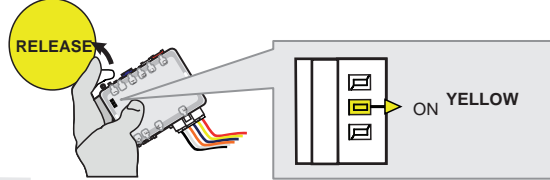


Press and hold the programming button:
Insert the 6-Pin Main connector.

Appuyez et maintenir le bouton de programmation enfoncé:
Insérez le connecteur Principal à 6-broches.

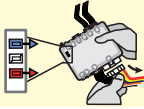
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternately illuminate.

2

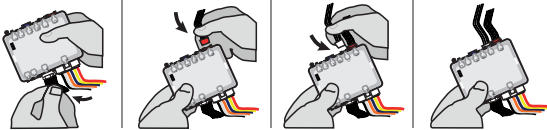


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW** LED is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

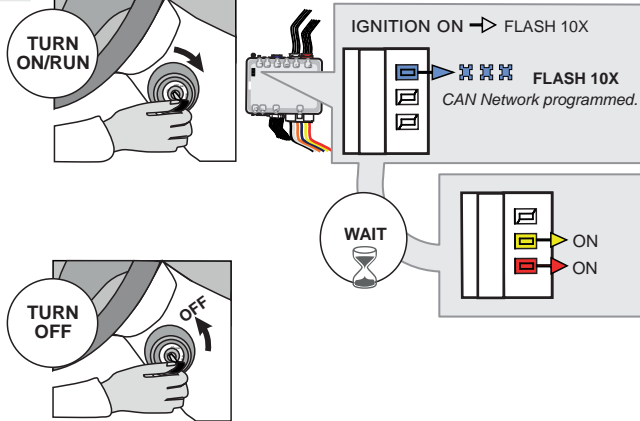


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

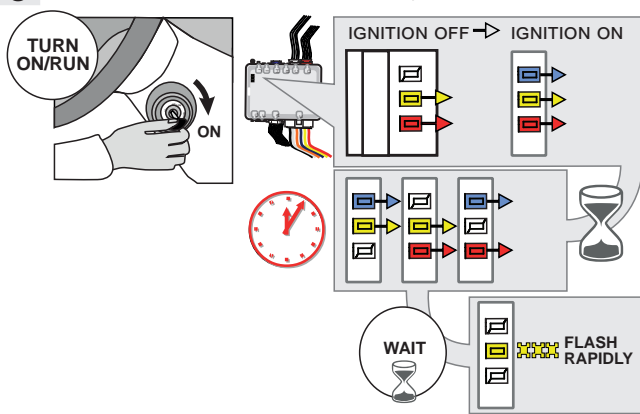
↳ The **BLUE** LED will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW** LED will turn ON:

Turn the key to the OFF position.

5



Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW** LEDs are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW** LED's: processing...

↳ When the **YELLOW** LED begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

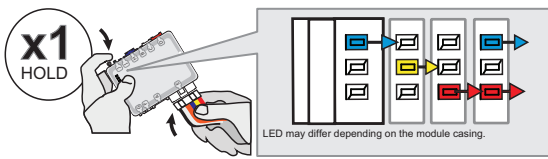


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PPROGRAMMING PROCEDURE

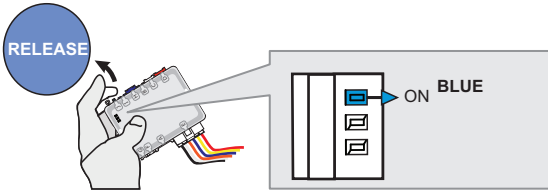
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

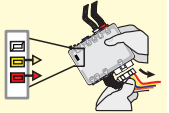
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

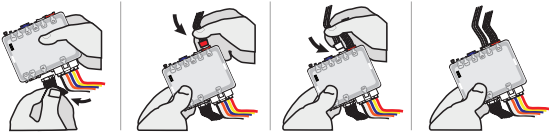


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

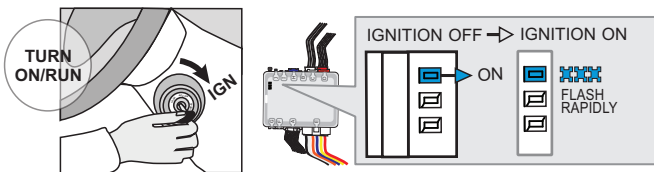


3



Insert the required remaining connectors.

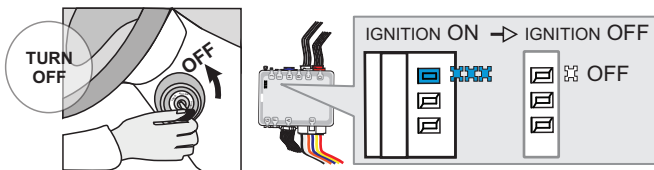
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

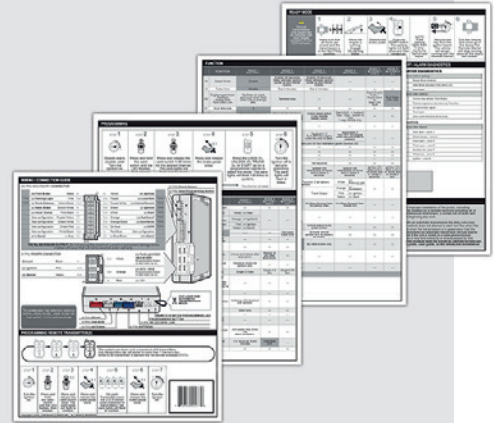


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE




REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



**THAR-ONE-KHY2 THARNESS
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																	
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	RAP Control	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Monitoring**
KIA Sportage	2017-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•





BYPASS FIRMWARE VERSION


76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION		DESCRIPTION
		A11	OFF	Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

NOTES

**OEM Remote monitoring  The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

* **HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



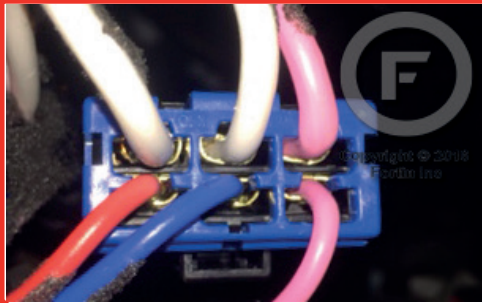
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

① Ignition connector



Steering column.



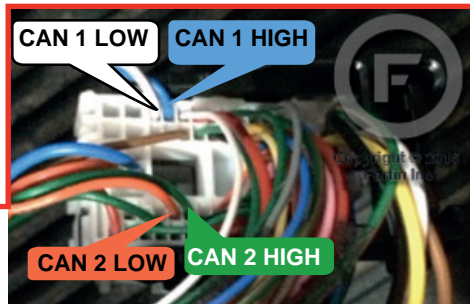
③ Steering column.



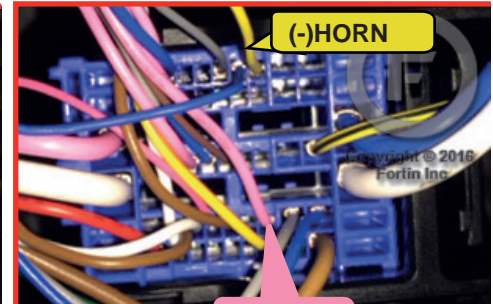
In the driver's side kick panel



④ MF-11 in the driver's side kick panel

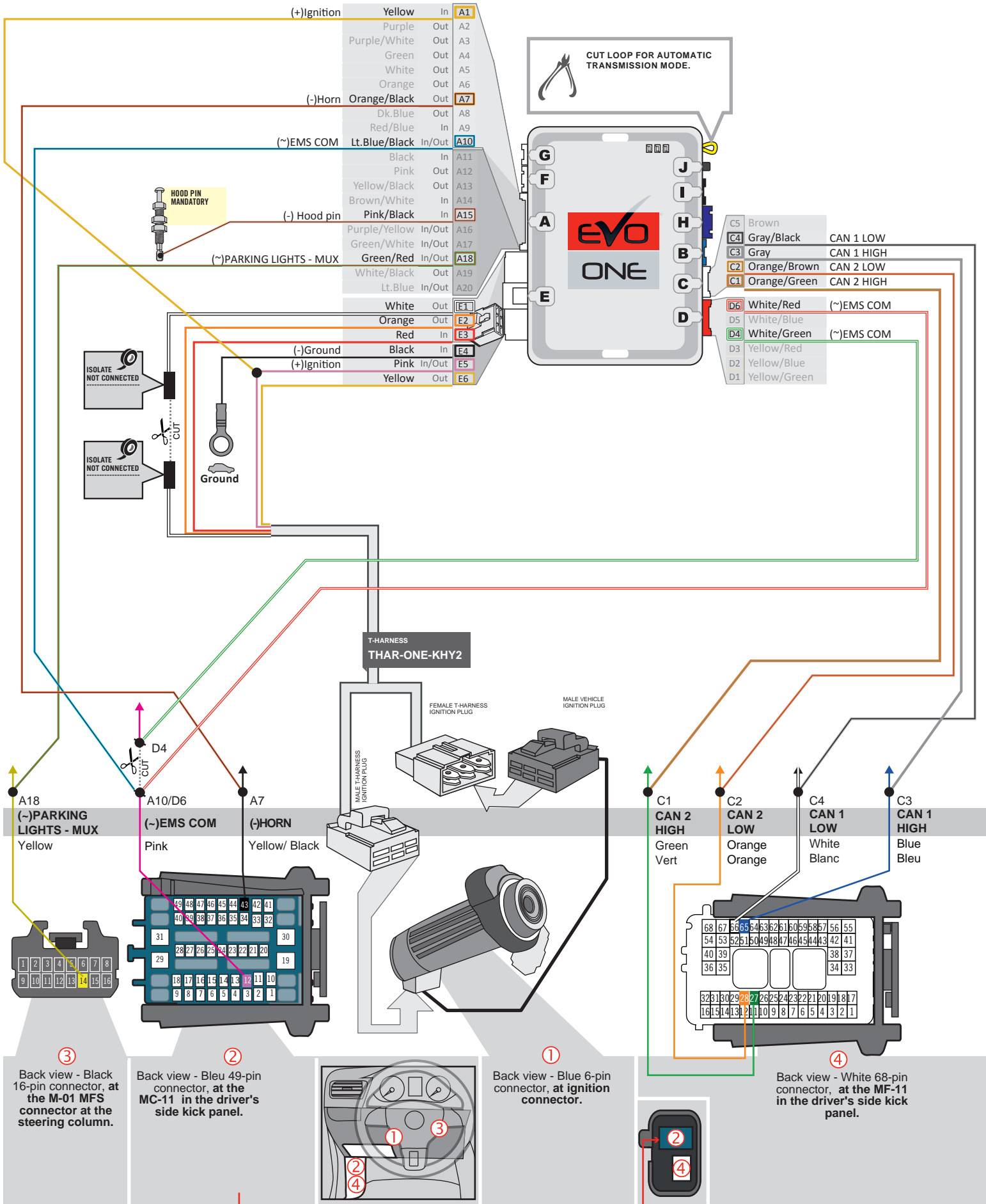


② In the driver's side kick panel



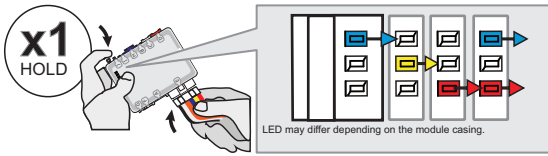
US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

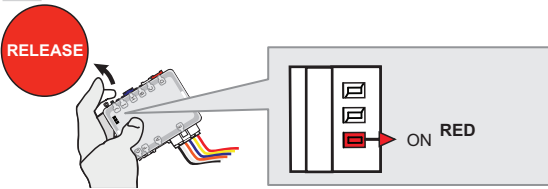
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

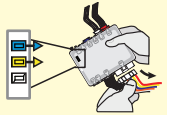
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

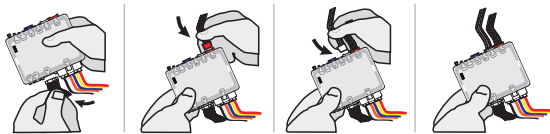


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

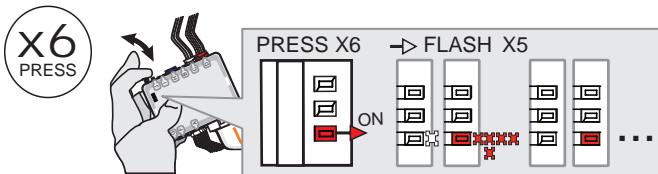


3



Insert the required remaining connectors.

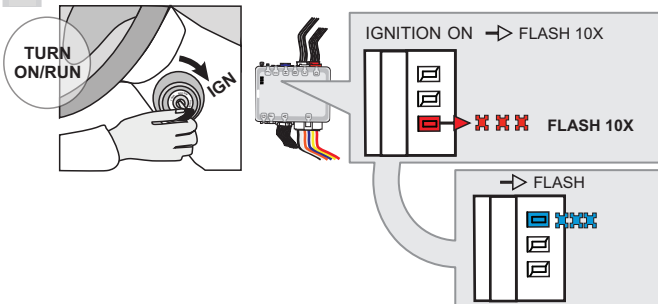
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

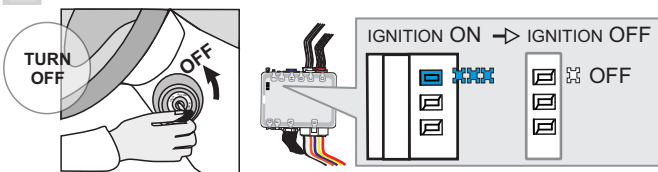


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

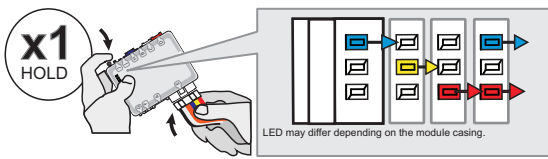


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

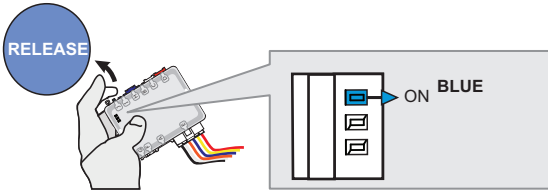
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

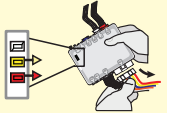
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

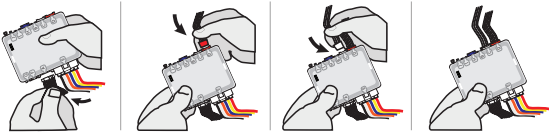


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

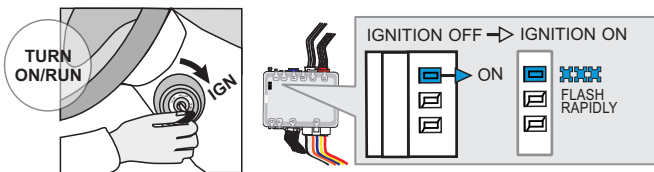


3



Insert the required remaining connectors.

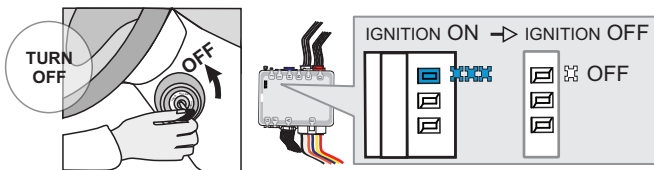
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

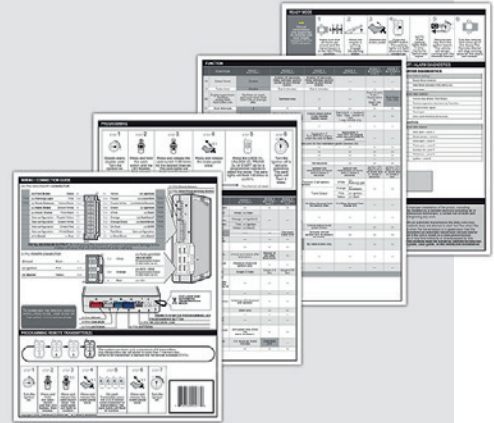


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).															
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	Tachometer	Parking Lights	Horn	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring**
KIA																	
Forte	key 2014-2016	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Forte5	key 2014-2016	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[43]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



Program bypass option:

UNIT OPTION

C1

DESCRIPTION

OEM Remote status (Lock/Unlock) monitoring

AUTOMATIC TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

MANUAL TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

NOTES



The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER



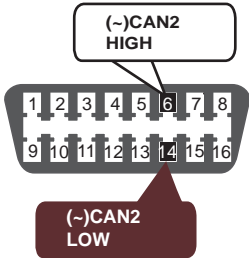
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

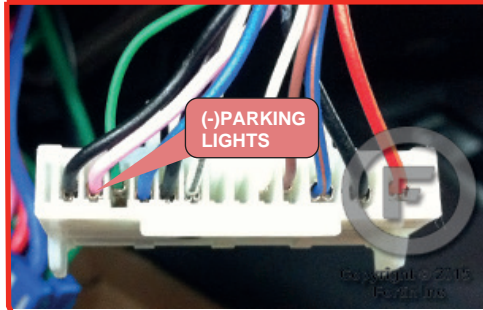
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

⑤ OBDII connector



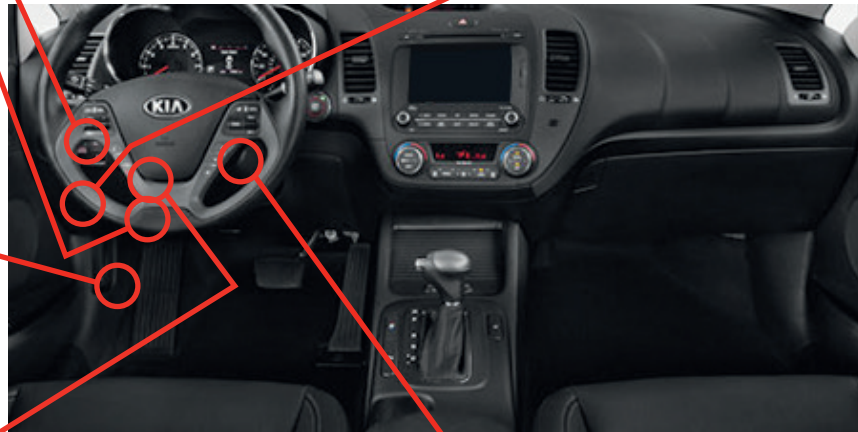
② Light switch



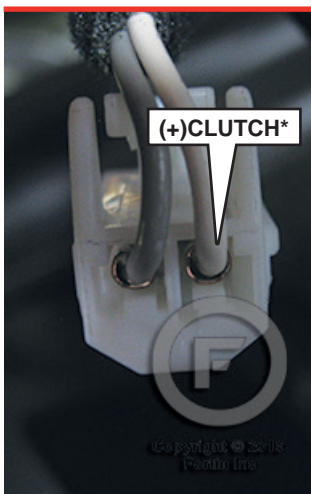
④ Back of fuse box



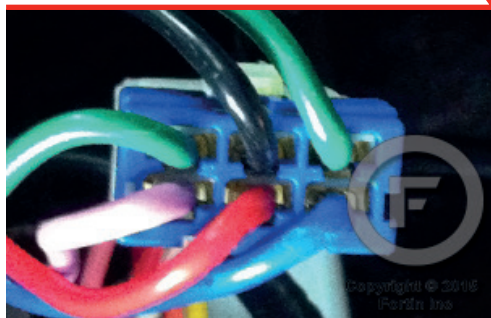
① Driver Kick Panel



⑥ At clutch switch

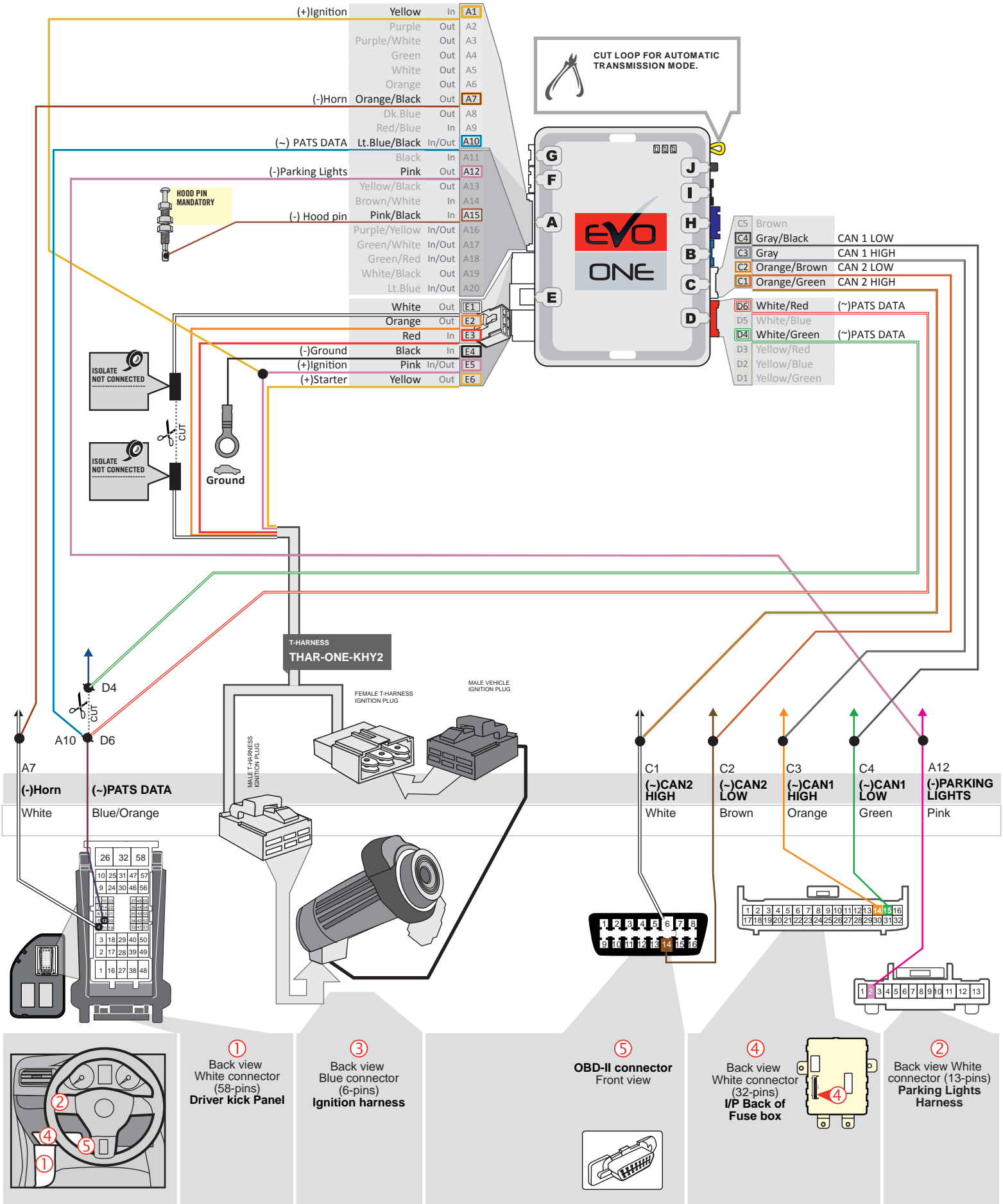


③ Ignition harness

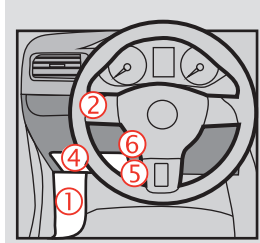
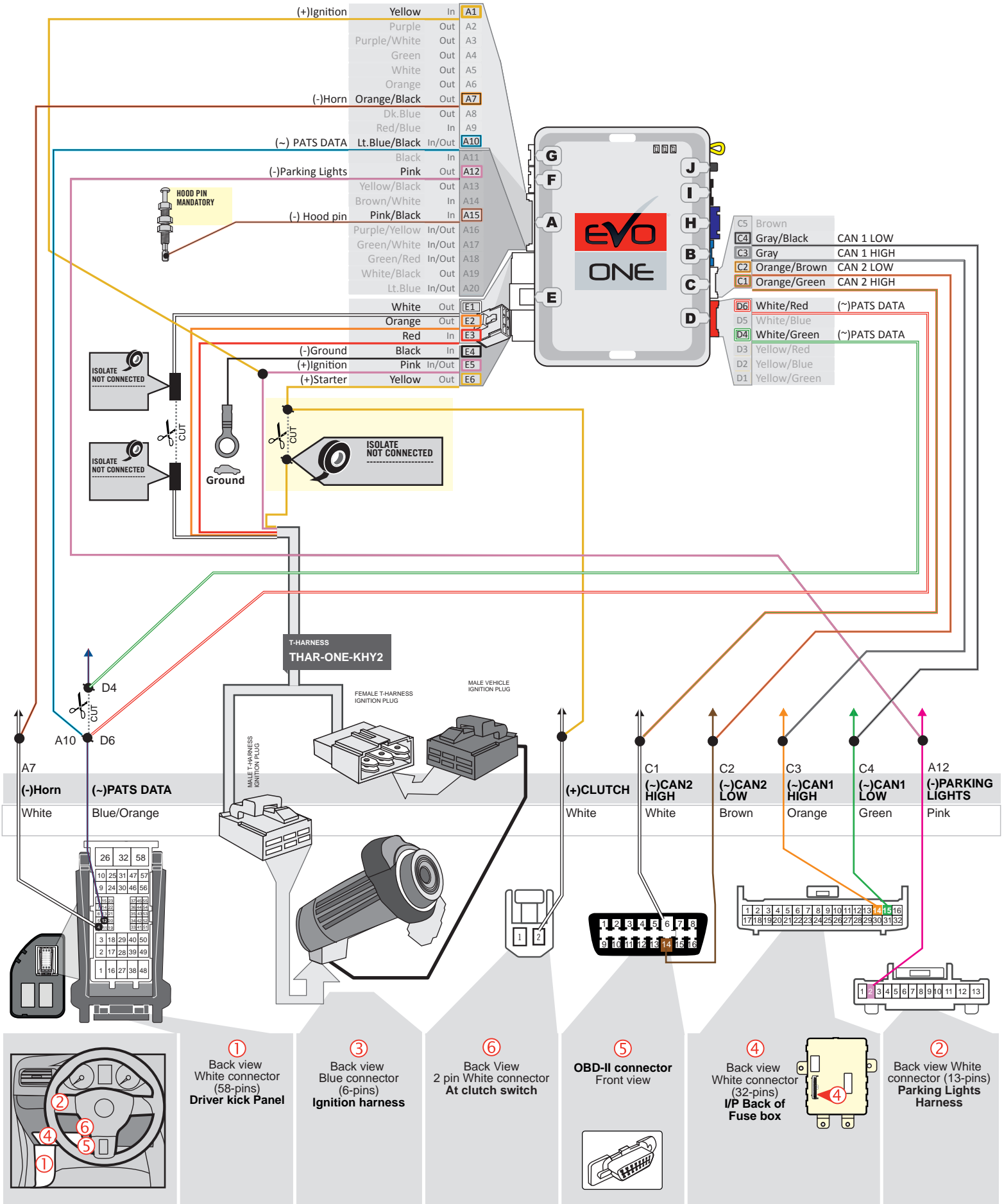


*(-)CLUTCH
Manual transmission

AUTOMATIC TRANSMISSION WIRING CONNECTION



MANUAL TRANSMISSION WIRING CONNECTION



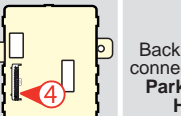
① Back view White connector (58-pins) Driver kick Panel

③ Back view Blue connector (6-pins) Ignition harness

⑥ Back View 2 pin White connector At clutch switch

⑤ OBD-II connector Front view

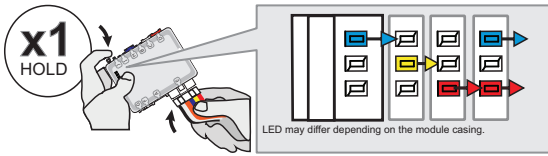
④ Back view White connector (32-pins) I/P Back of Fuse box



② Back view White connector (13-pins) Parking Lights Harness

KEY BYPASS PROGRAMMING PROCEDURE

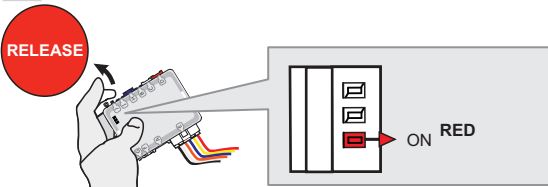
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

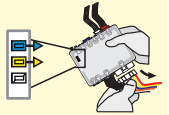
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

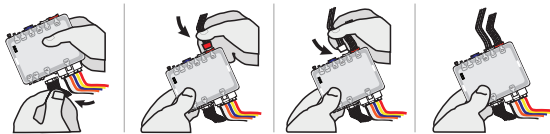


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

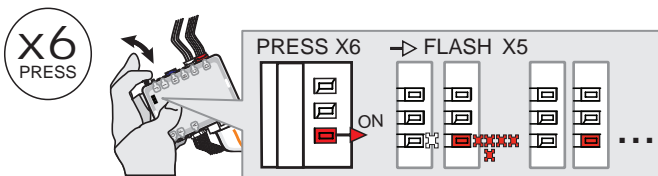


3



Insert the required remaining connectors.

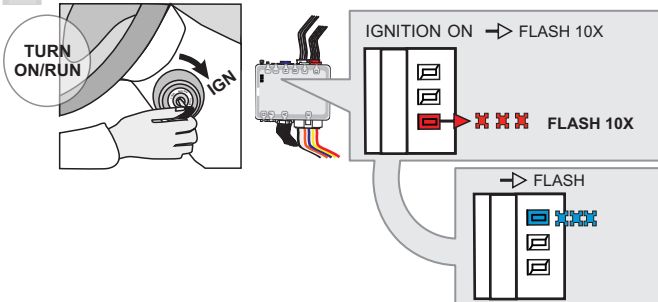
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

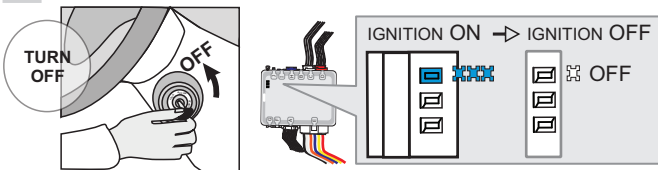


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

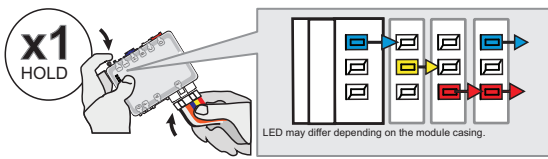


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

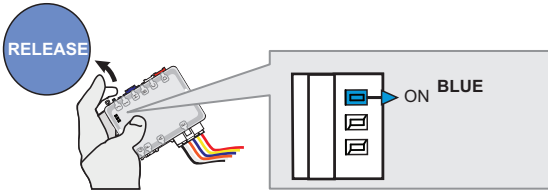
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

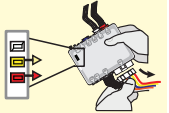
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

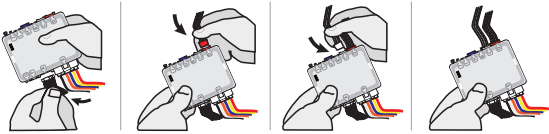


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

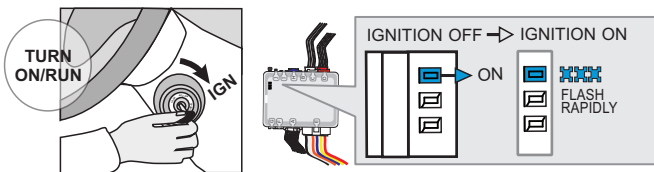


3



Insert the required remaining connectors.

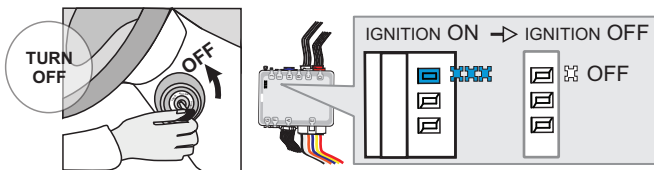
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

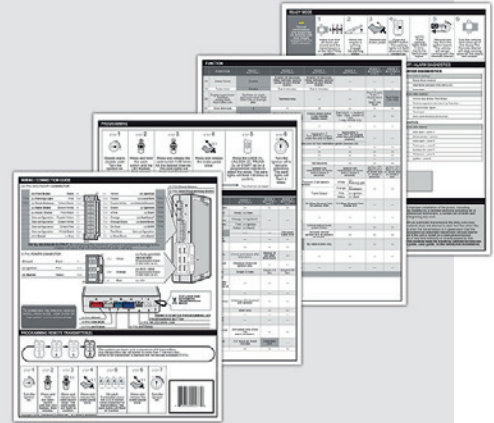


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.




VEHICLE EQUIPPED WITH OEM ALARM |

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option **D2** using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.

THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).															
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	Tachometer	Parking Lights	Horn	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring*
KIA																	
Forte	key 2017-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[60]

MINIMUM


To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:


A11	OFF	Hood trigger (Output Status).
-----	-----	-------------------------------

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

AUTOMATIC TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

MANUAL TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		32	5	D.k Blue (Ground Out): Arm / Rearm

NOTES


The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER

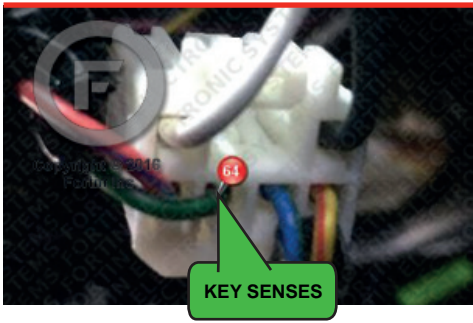

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.
Notice: l'installation des éléments de sécurité est obligatoire. Le contact de capot et l'autocollant de sécurité sont des éléments de sécurité essentiels et doivent absolument être installés.

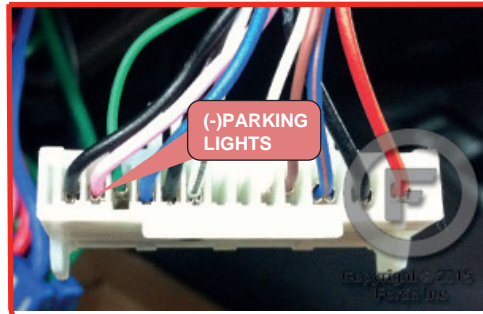
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

⑥ Close to the ignition harness



② Light switch



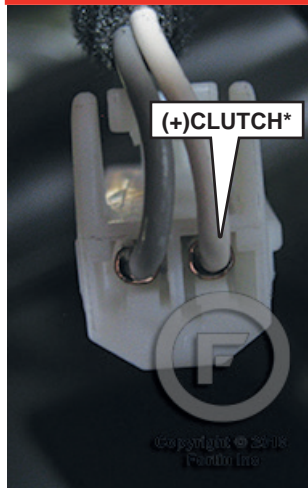
④ Back of fuse box



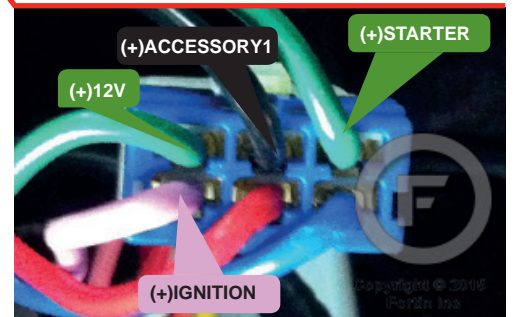
① Driver Kick Panel



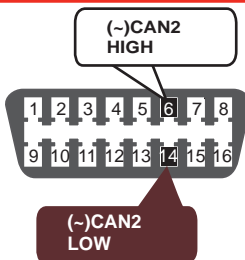
⑦ At clutch switch



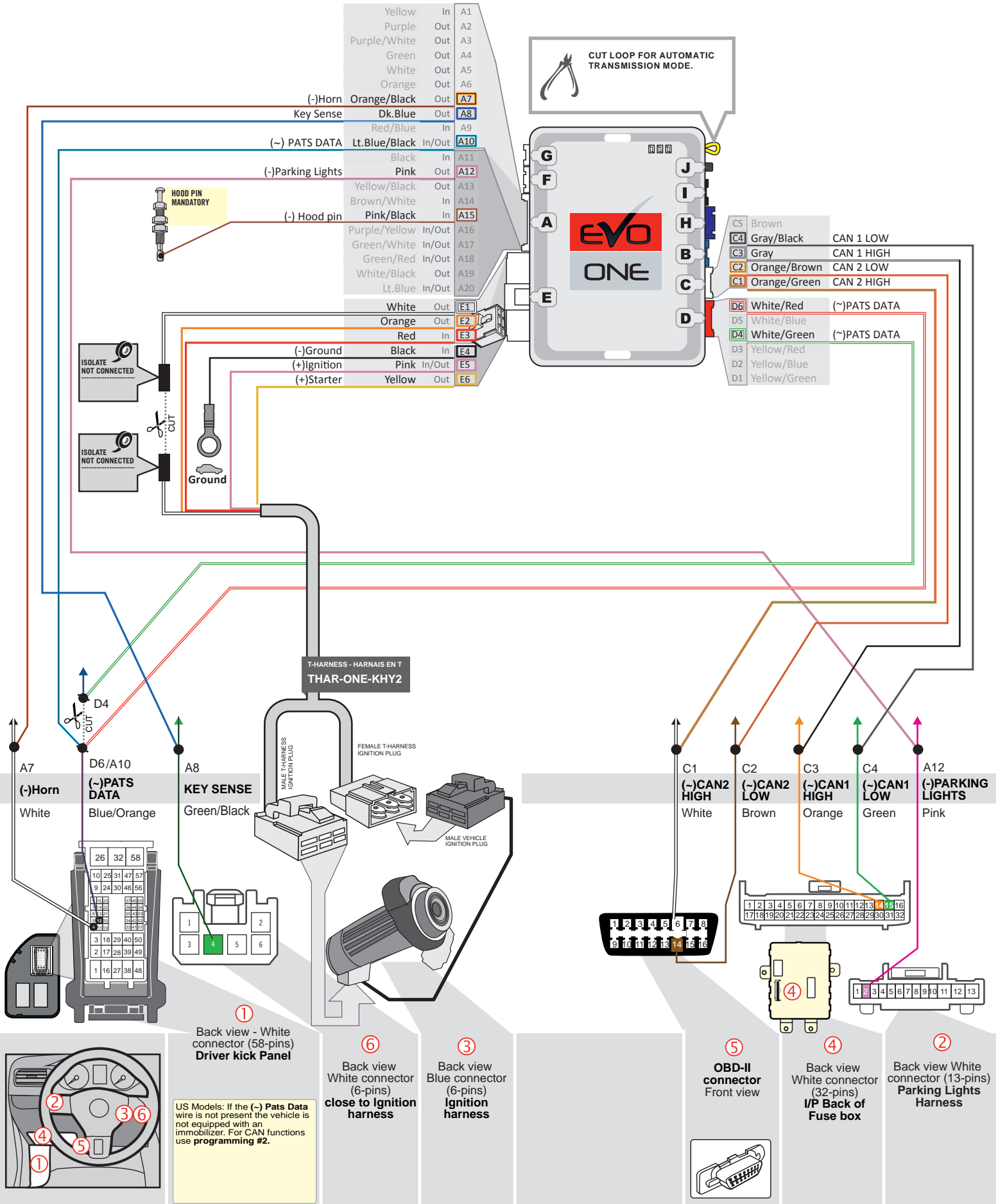
③ Ignition harness



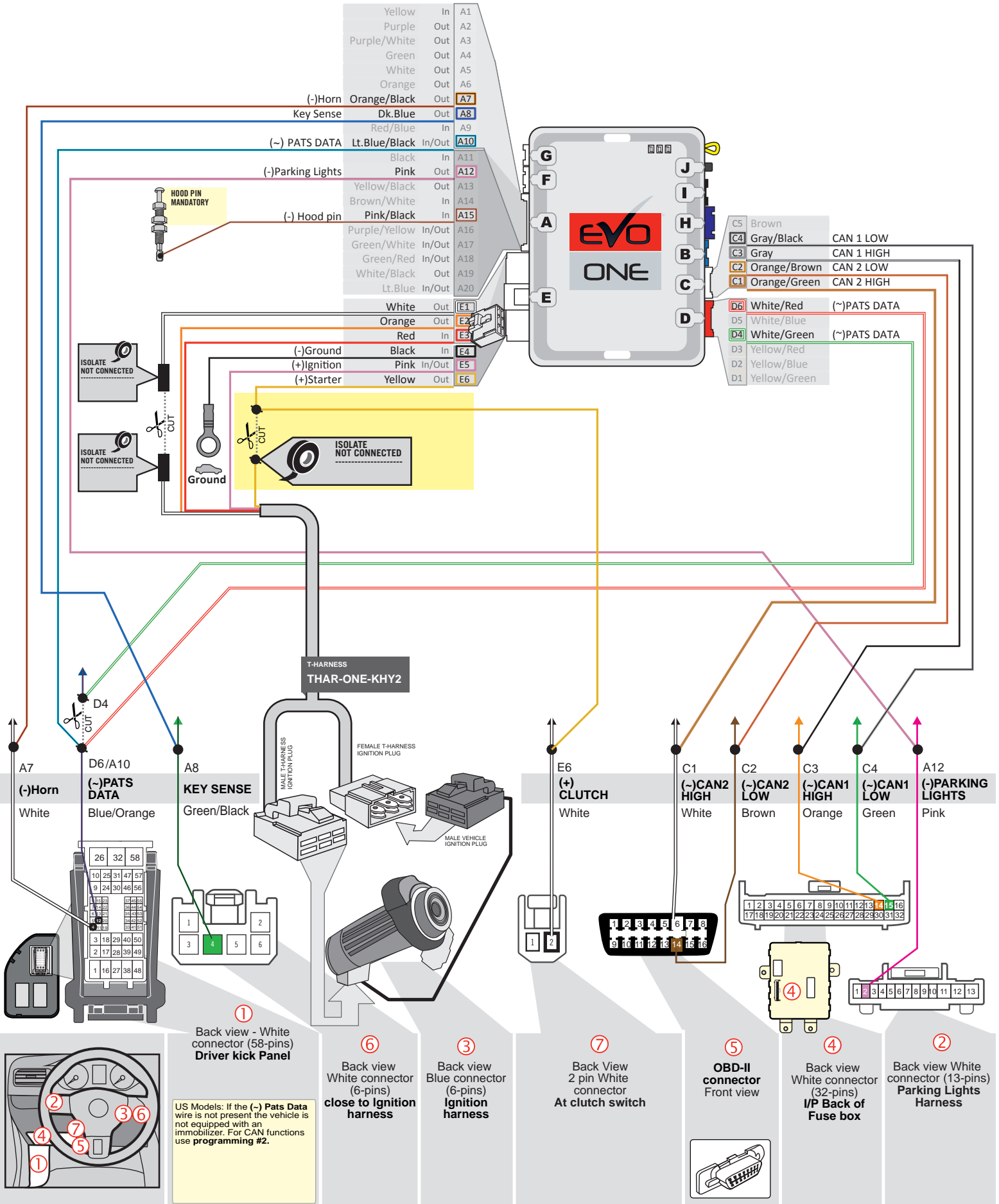
⑤ OBDII connector



AUTOMATIC TRANSMISSION WIRING CONNECTION

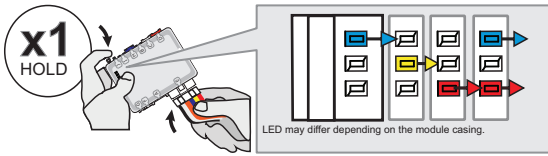


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

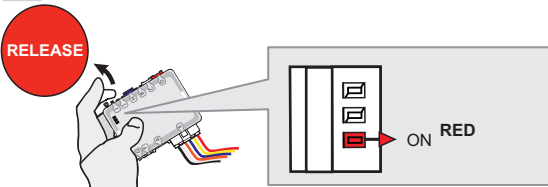
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

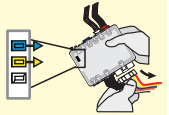
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

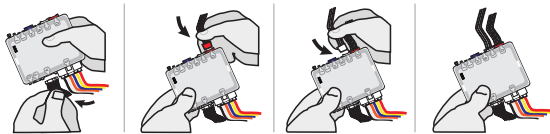


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

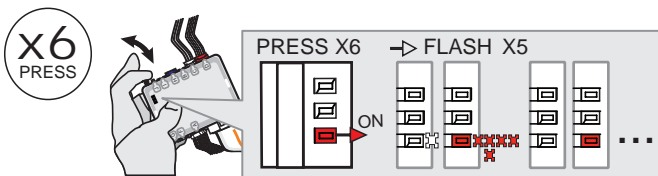


3



Insert the required remaining connectors.

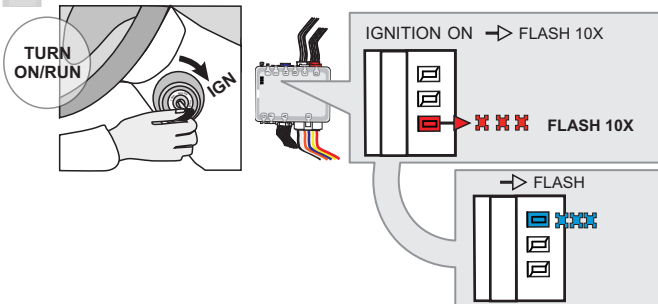
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

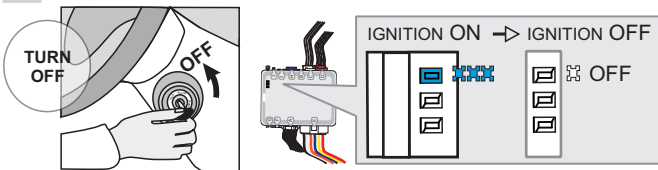


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

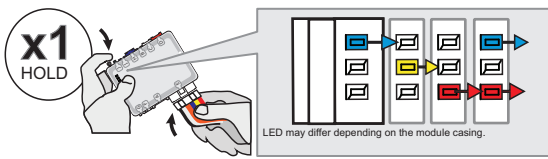


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

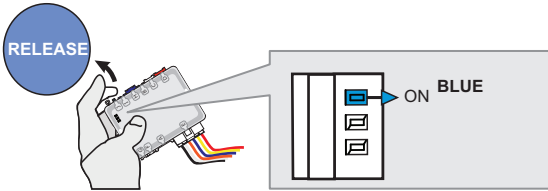
1



**Press and hold the programming button:
Insert the 6-Pin Main connector.**

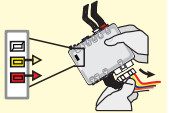
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

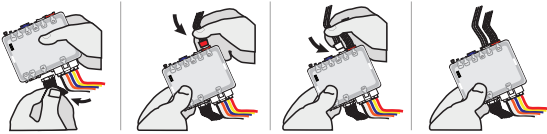


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

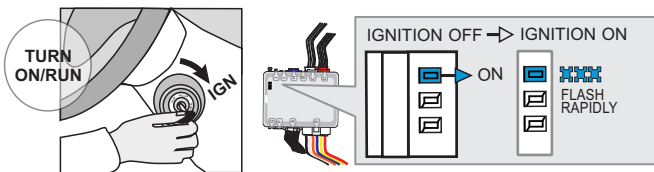


3



Insert the required remaining connectors.

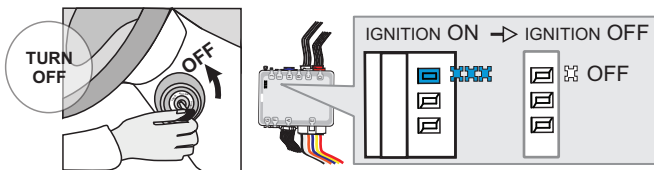
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

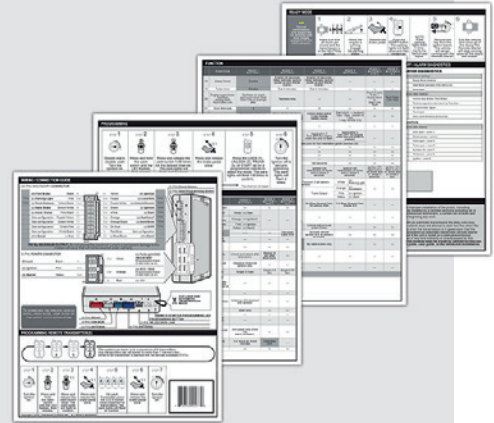


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



VEHICLE EQUIPPED WITH OEM ALARM |

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option **D2** using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.

**THAR-ONE-KHY2 THARNESS
INSTALLATION**


ADDENDUM - SUGGESTED WIRING CONFIGURATION


VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring**
KIA																		
Optima	2011-2013	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•




BYPASS FIRMWARE VERSION

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	4.18 MINIMUM	OR	76.[60] HYUNDAI/KIA MINIMUM
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	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION		DESCRIPTION
		A11	OFF	Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION		DESCRIPTION
		C1		OEM Remote status (Lock/Unlock) monitoring

NOTES

**OEM Remote monitoring
 The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

* **HOOD PIN**
 **HOOD STATUS**: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

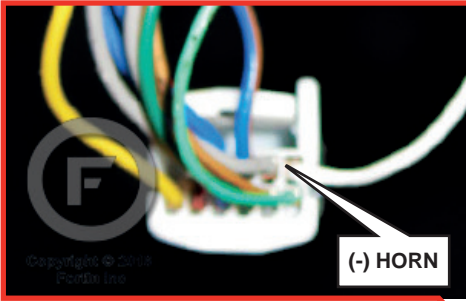
SECURITY STICKER
 Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

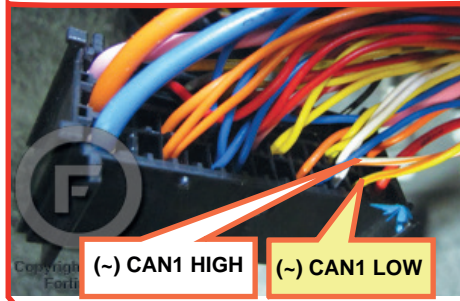
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

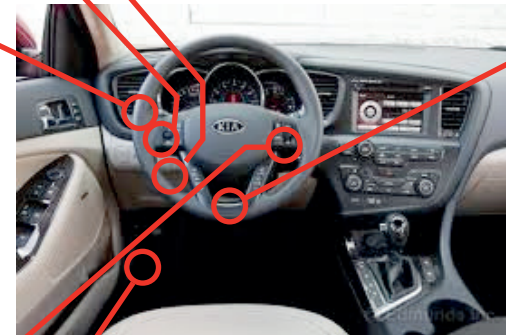
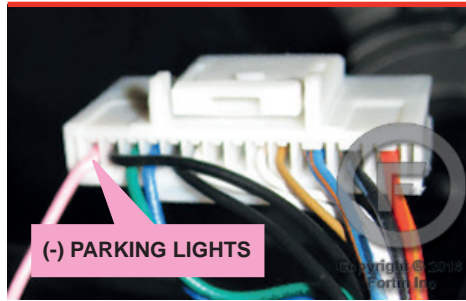
⑥ At steering column



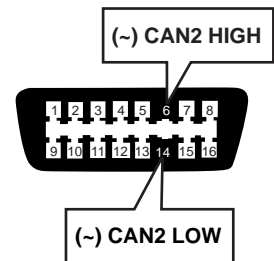
⑤ Behind Fuse panel



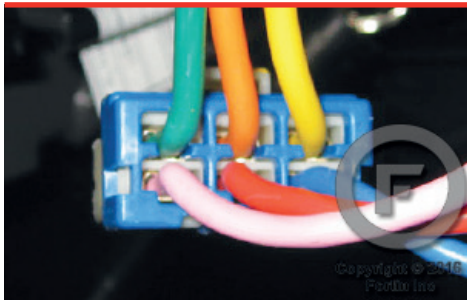
③ At Parking Lights switch



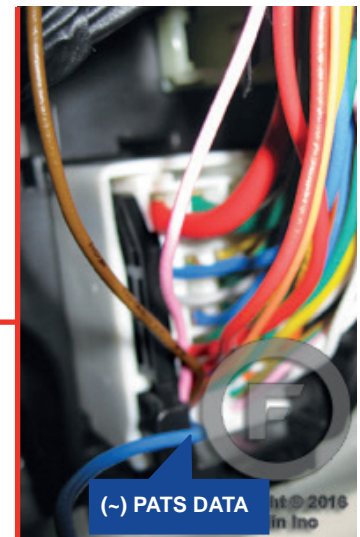
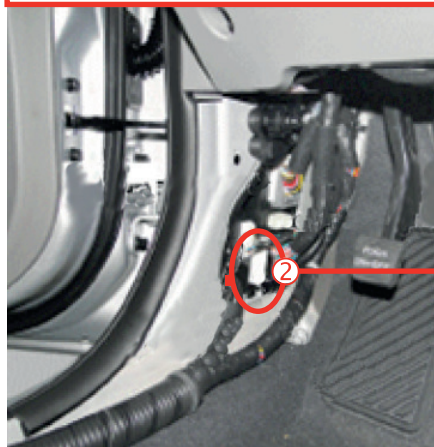
④ OBD-II connector.



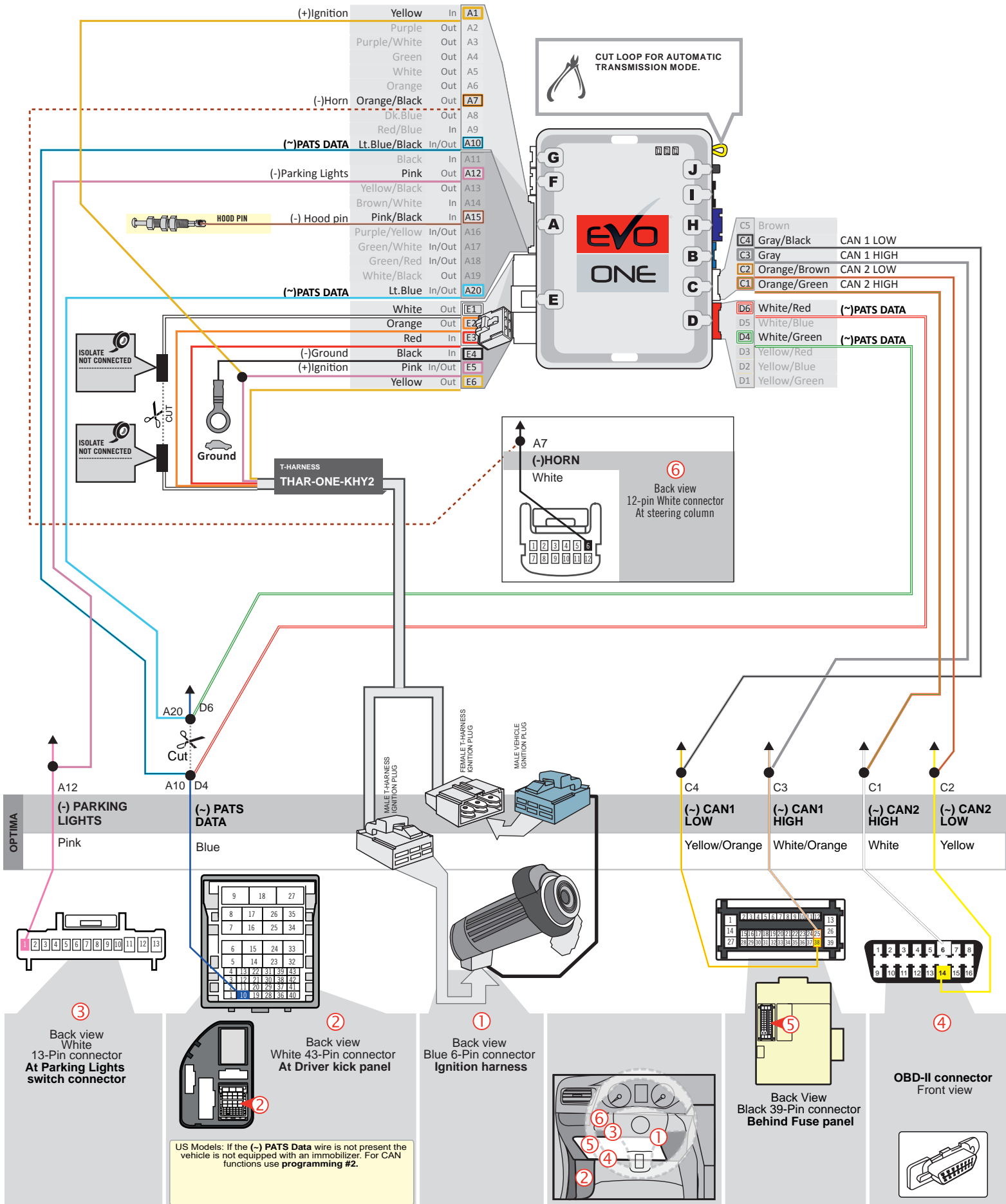
① Ignition harness



② Driver Kick Panel

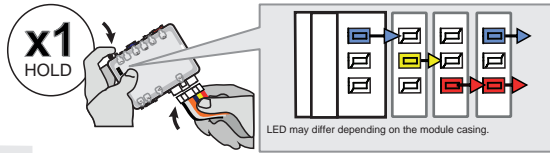


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

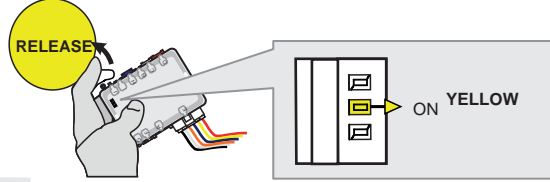
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

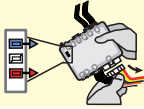
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

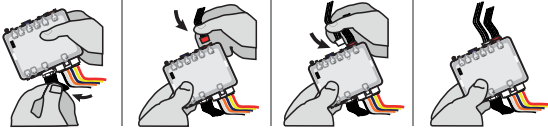


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW** LED is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

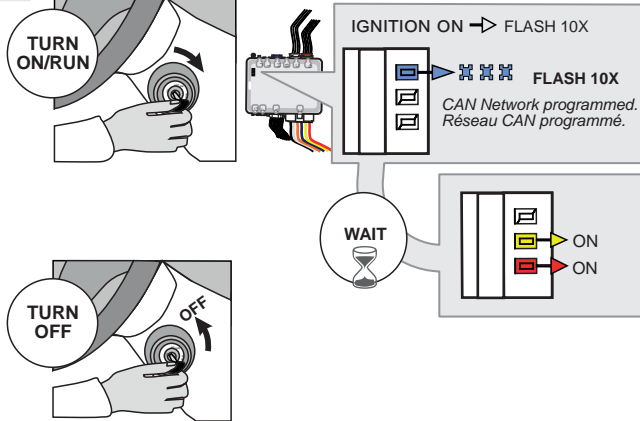


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

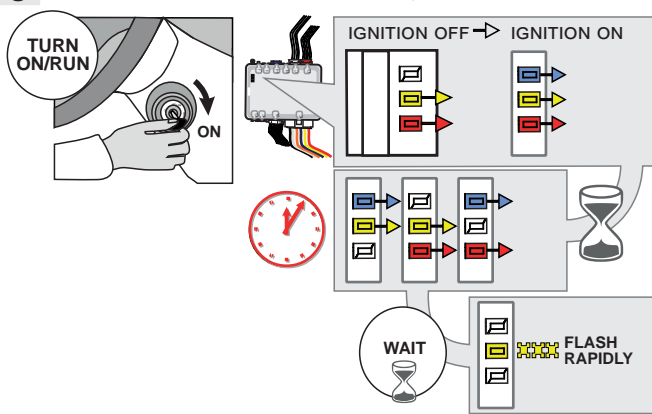
↳ The **BLUE** LED will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW** LED will turn ON:

Turn the key to the OFF position.

5



Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW** LEDs are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW** LED's: processing...

↳ When the **YELLOW** LED begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

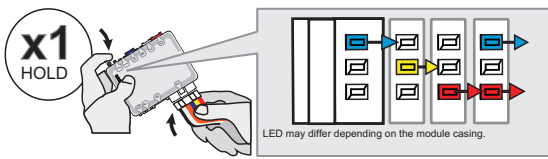


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PROGRAMMING PROCEDURE

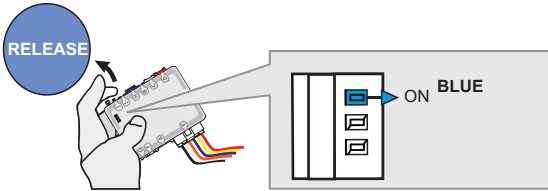
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

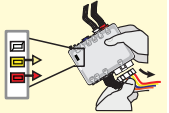
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

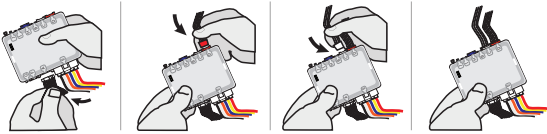


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

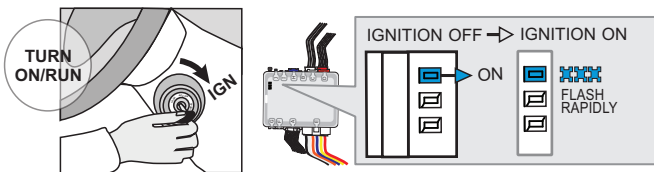


3



Insert the required remaining connectors.

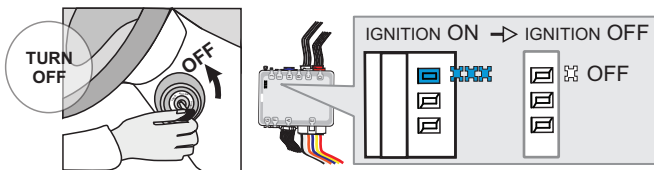
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

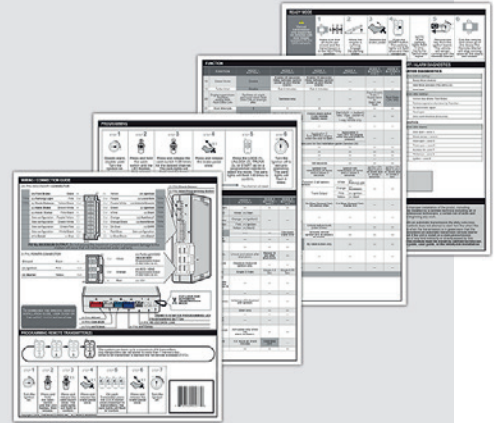


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE




REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.




THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																	
		Immobilizer bypass	T-Harness available	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	RAP Control	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Monitoring**
																			
KIA																			
Optima	2016	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•





BYPASS FIRMWARE VERSION

76.[43]


HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.


	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

NOTES

- *Hood Status functional if equipped with a factory hood switch.
- **OEM Remote monitoring  The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

***HOOD PIN**  **HOOD STATUS:** THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER


Included

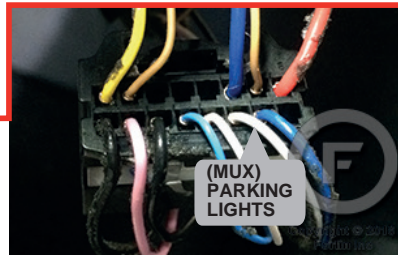
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

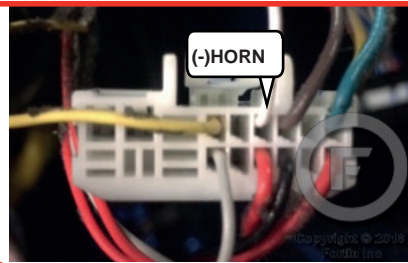
DESCRIPTION

Under steering column.

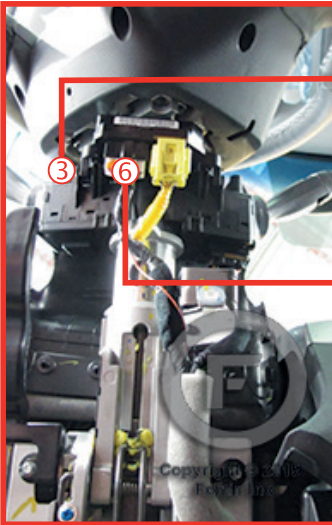
③ Parking Lights switch



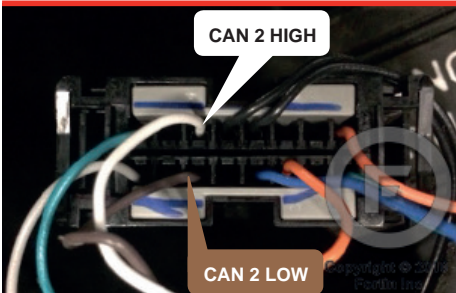
⑥ Steering connector horn switch



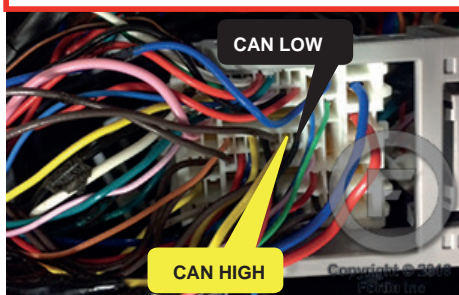
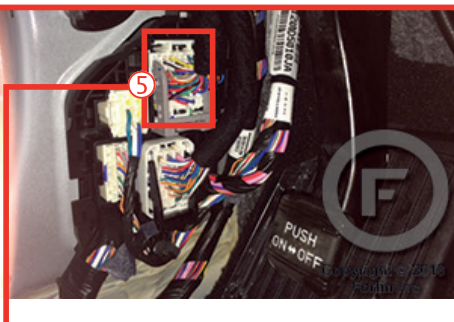
② Ignition connector



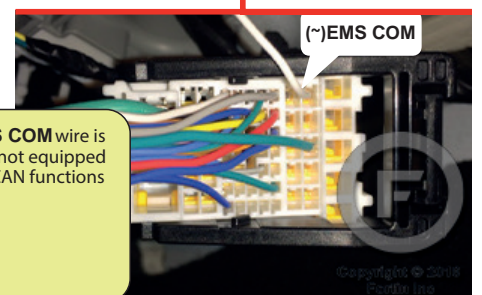
④ OBDII



⑤ Driver kick panel.

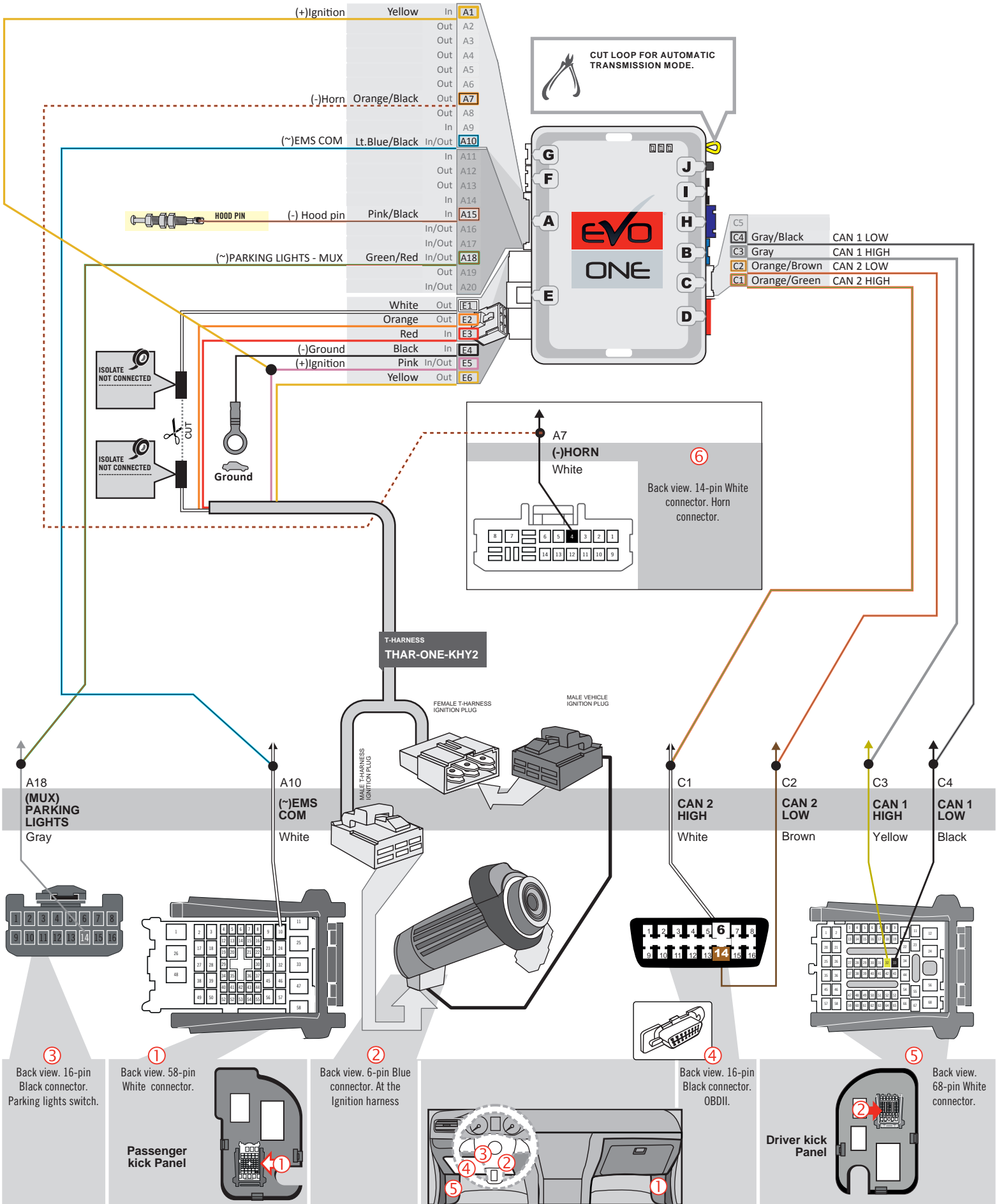


① Passenger kick panel.



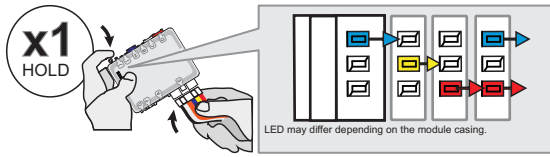
US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE |

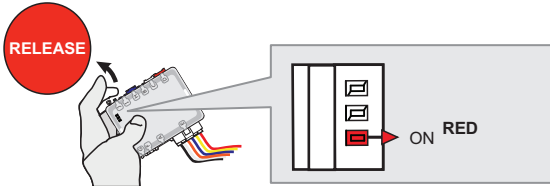
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

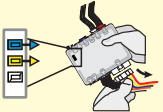
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

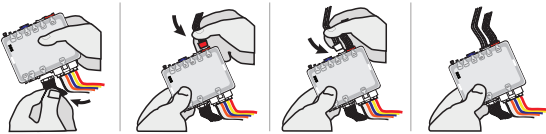


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

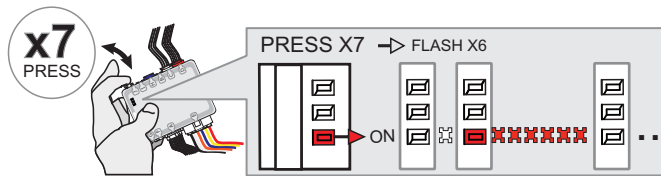


3



Insert the required remaining connectors.

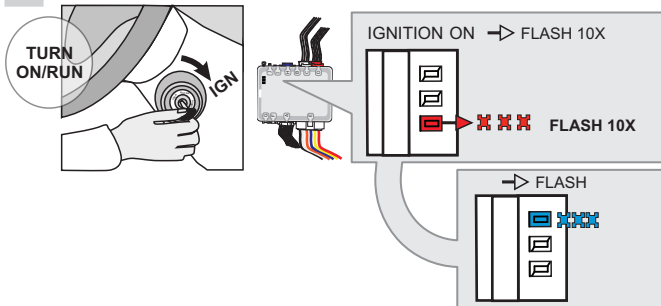
4



Press and release the programming button seven (7x) times.

↳ The RED LED will flash 6 times each second.

5

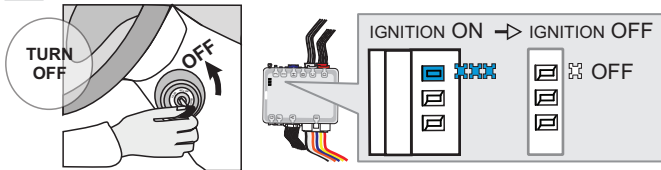


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
 Key bypass programmed.

↳ The BLUE LED will flash rapidly.
 CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

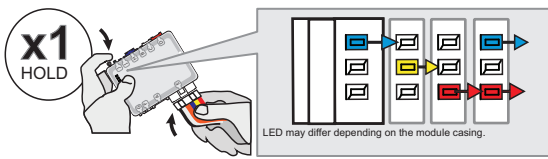


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

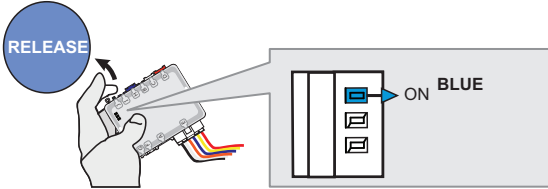
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

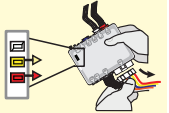
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

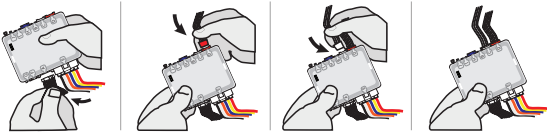


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

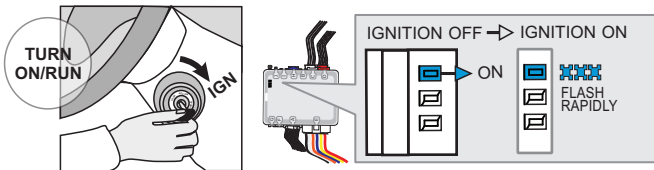


3



Insert the required remaining connectors.

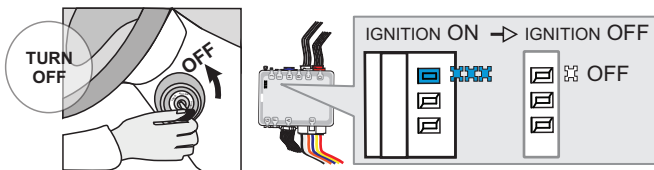
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

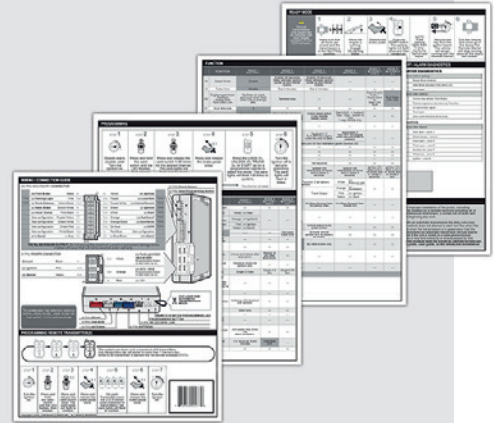


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped).

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Tachometer	Parking Lights	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring**
KIA Rondo	2014-2017	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[43]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



Program remote starter option:

FUNCTION	MODE	DESCRIPTION
2	2	(+) Accessory 2 (E1)

NOTES

**OEM Remote monitoring



The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER



Included

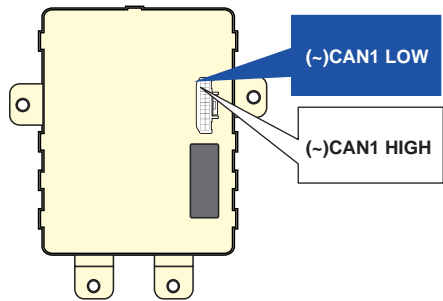
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

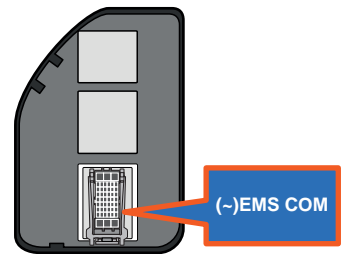
DESCRIPTION

② IPM Fuse panel

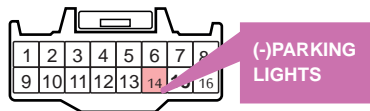
Back of Fuse panel



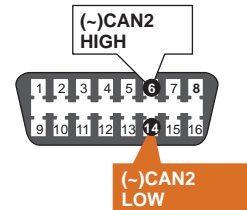
① Driver kick Panel



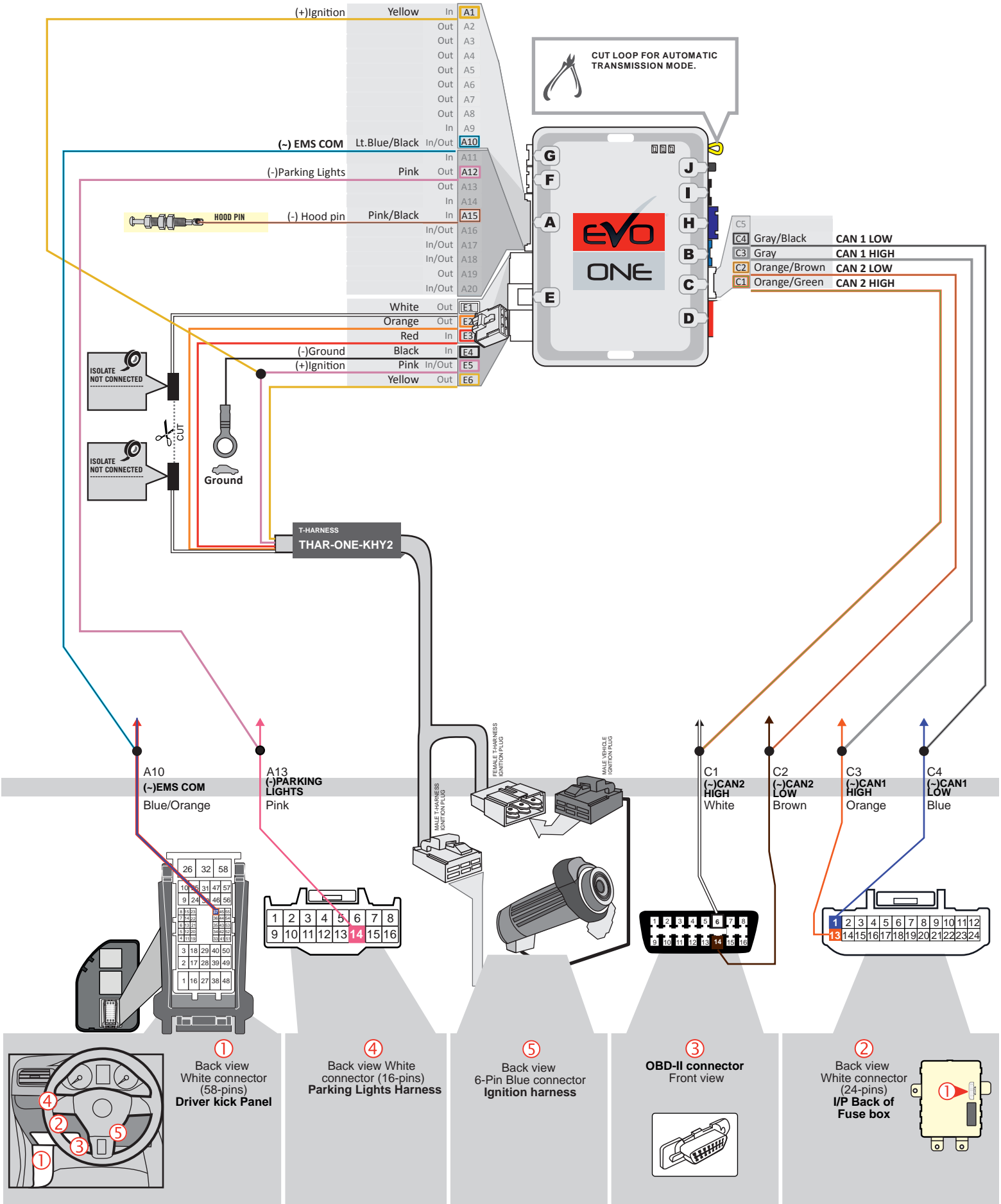
④ Parking Lights Harness



③ OBD-II connector

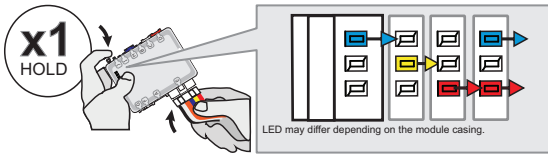


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

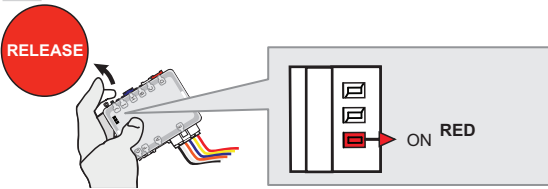
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

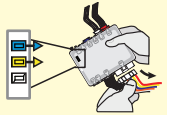
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

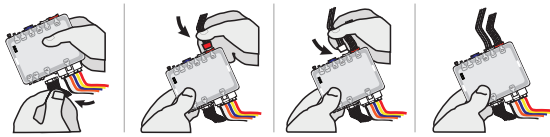


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

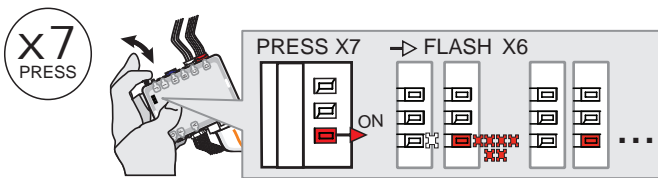


3



Insert the required remaining connectors.

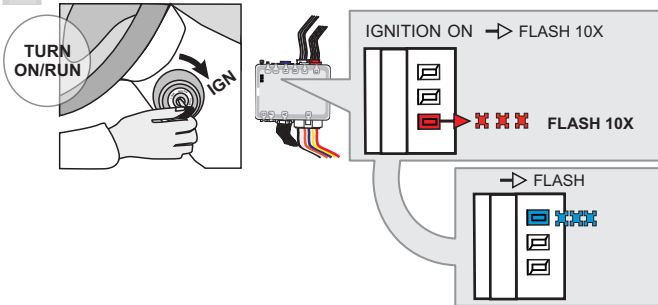
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

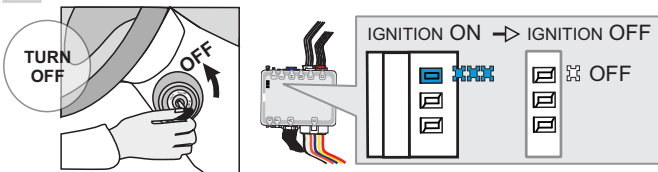


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

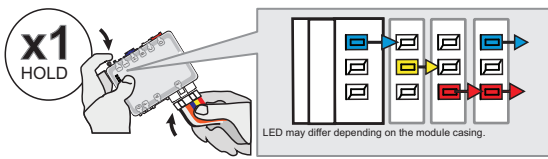


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

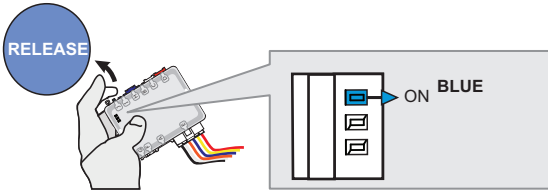
1



**Press and hold the programming button:
Insert the 6-Pin Main connector.**

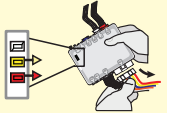
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

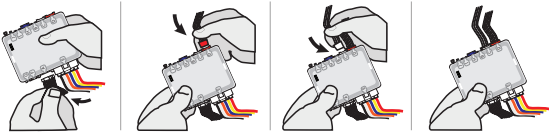


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

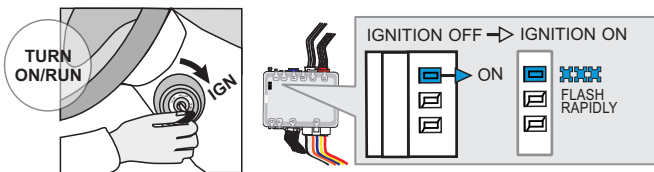


3



Insert the required remaining connectors.

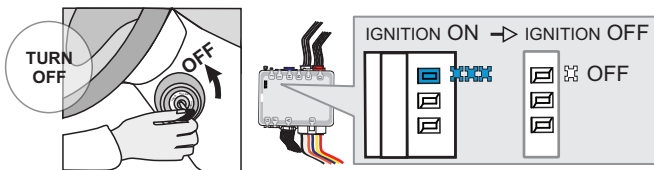
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

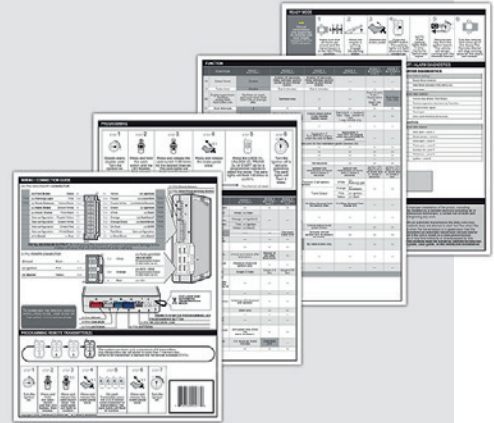


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



VEHICLE EQUIPPED WITH OEM ALARM |

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option **D2** using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.

THAR-ONE-KHY2 THARNSS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Hatch (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status
KIA														
Sorento	Automatic transmission Transmission automatique 2010-2013	•	•	•	•	•	•	•	•	•	•	•	•	•


BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

 To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

**Program bypass option
IF THE VEHICLE IS NOT EQUIPPED
WITH FUNCTIONAL HOOD PIN:**
UNIT OPTION
DESCRIPTION
A11
OFF

Hood trigger (Output Status).


**Program bypass option
(If equiped with OEM alarm):**
UNIT OPTION
DESCRIPTION
D2

Unlock before / Lock after (Disarm OEM alarm)


**Program remote
starter option:**
FUNCTION
MODE
DESCRIPTION
2
2

(+) Accessory 2 (E1)

MANDATORY INSTALL

*** HOOD
PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11
OFF
SECURITY STICKER

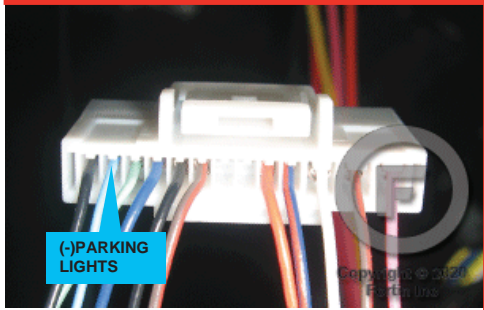

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

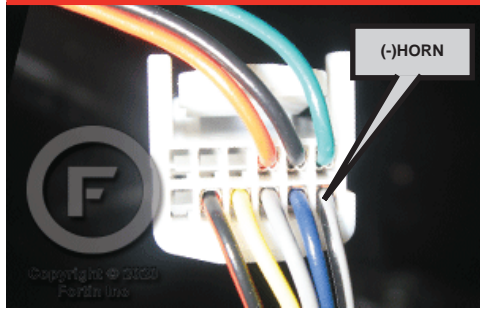
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

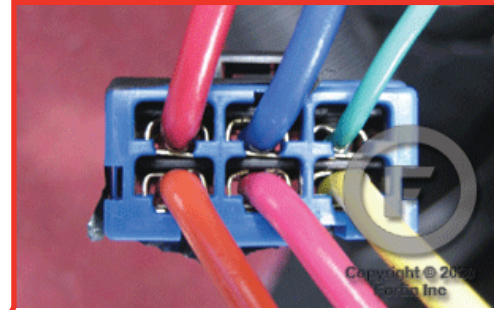
③ At Parking Light switch



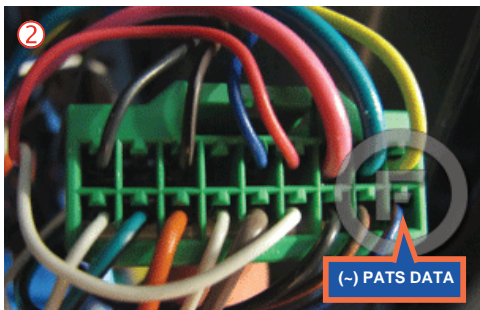
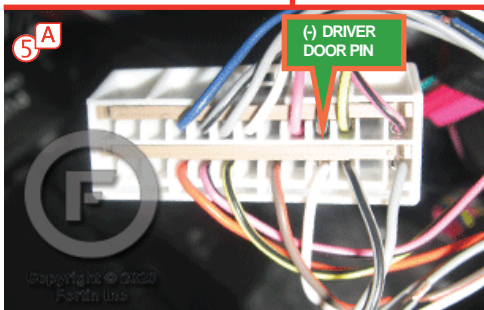
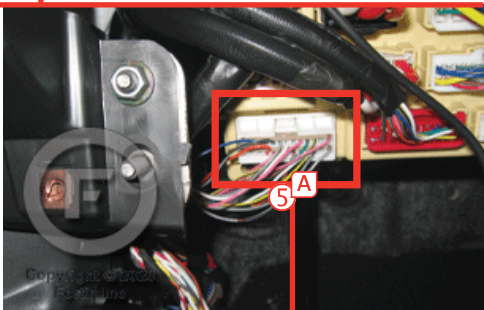
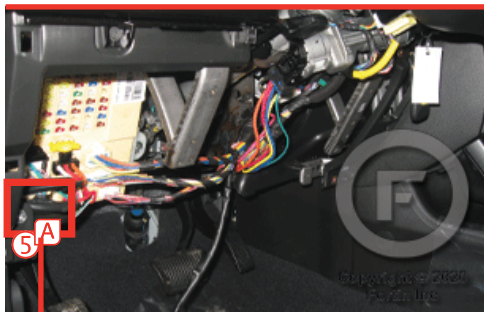
⑥ At Steering column



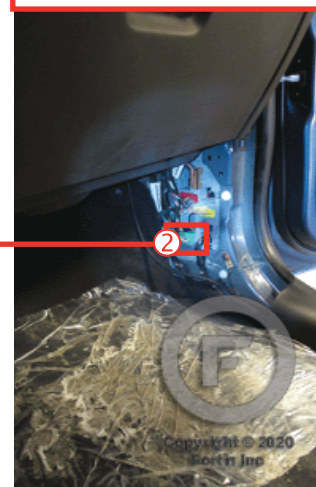
① At Ignition harness



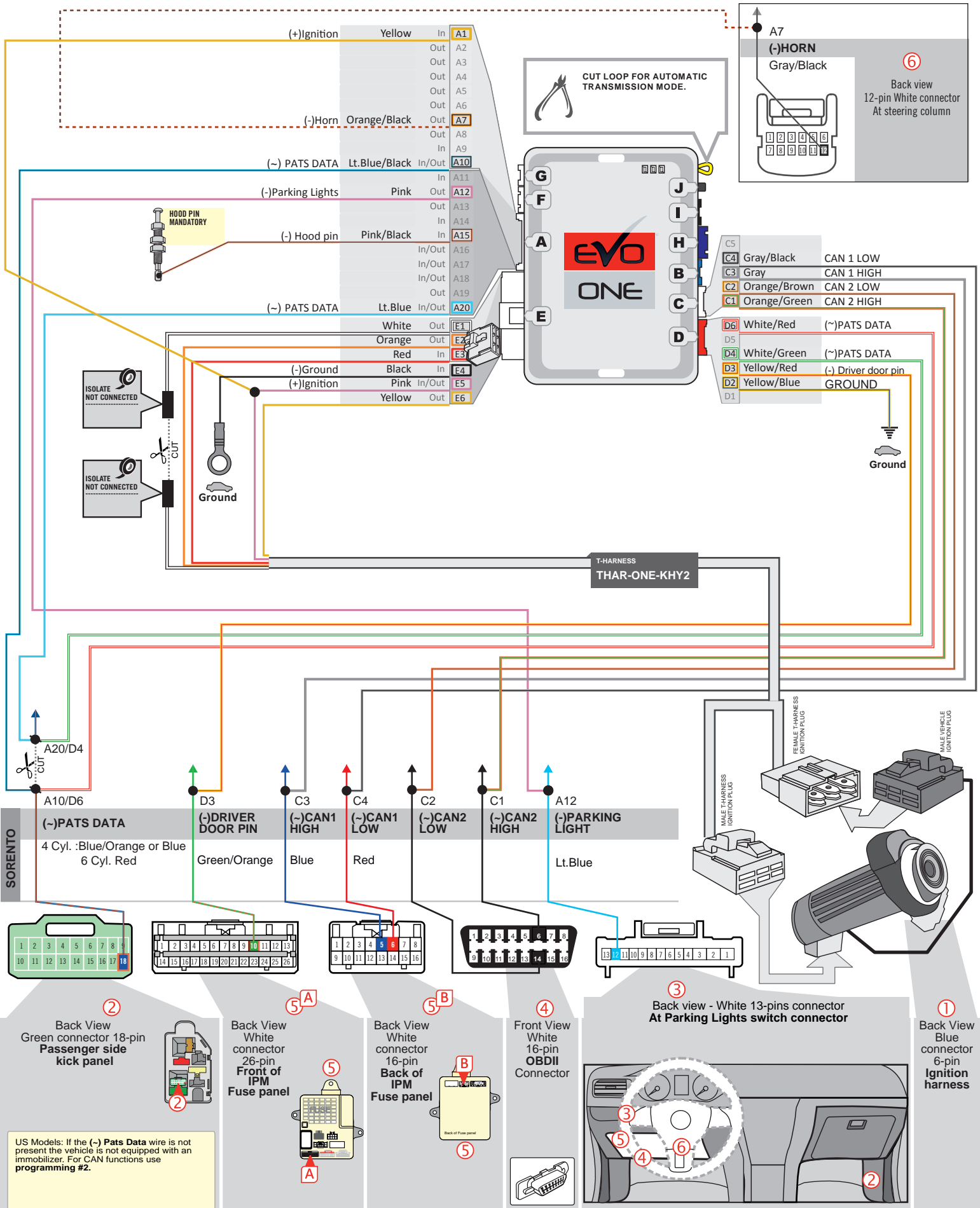
⑤A Front of IPM, at fusebox



At passenger kick panel

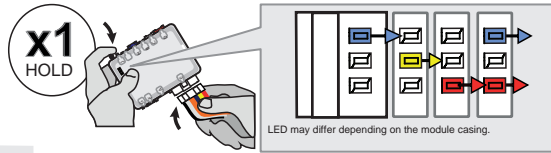


AUTOMATIC TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

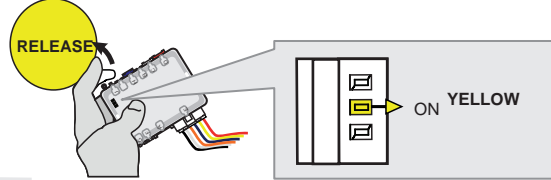
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

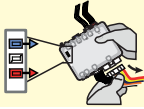
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

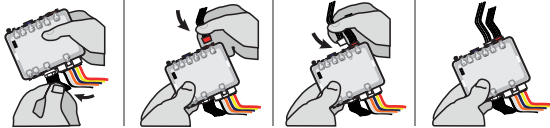


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW** LED is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

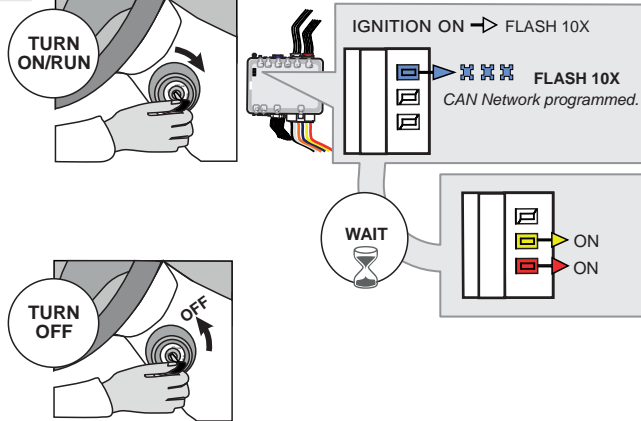


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

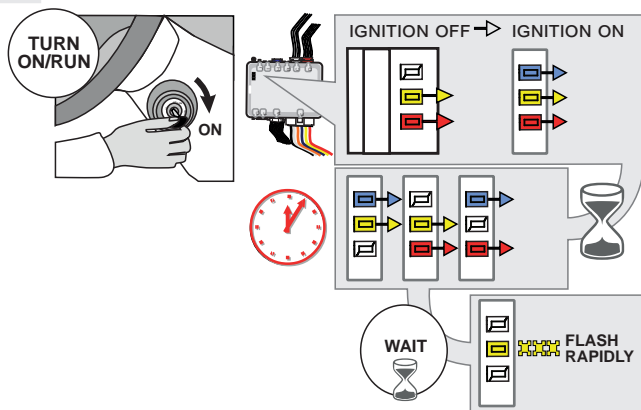
↳ The **BLUE** LED will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW** LED will turn ON:

Turn the key to the OFF position.

5



This process may take up to 5 minutes

Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW** LEDs are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW** LED's: processing...

↳ When the **YELLOW** LED begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

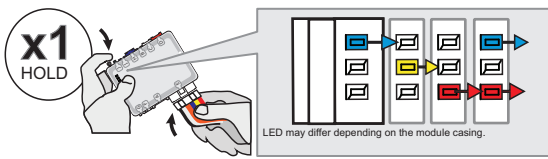


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

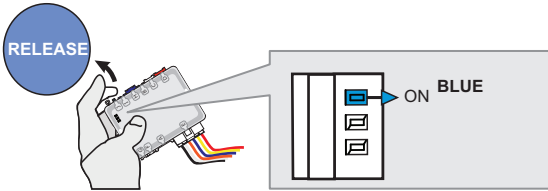
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

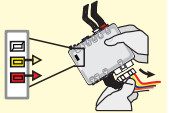
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

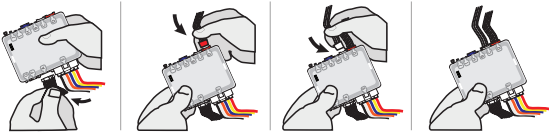


Release the programming button when the **BLUE LED is ON.**

If the **BLUE LED is not ON solid** **disconnect** the 6-Pin Main connector and **go back** to step 1.

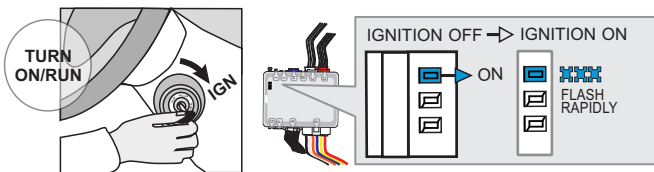


3



Insert the required remaining connectors.

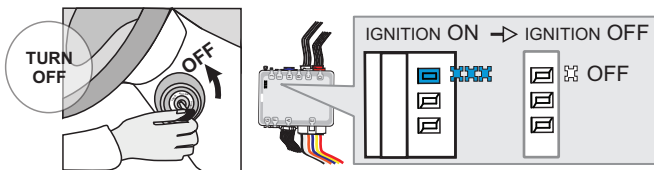
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED will flash rapidly.**

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED will turn off.**

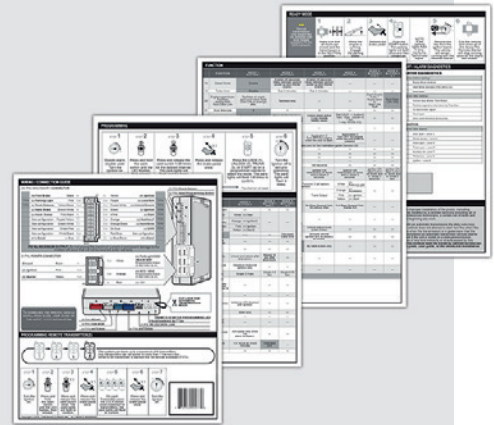


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE
YEARS

Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Auto-Light Control	Hood Status*
--------------------	-----------	------	--------	-----	--------	--------------	------------	-------------	--------------	-------------------	-------------------	--------------------	--------------

KIA													
Sorento	2014-2015	•	•	•	•	•	•	•	•	•	•	•	•


BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

 To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

Program remote starter option:
FUNCTION
MODE
DESCRIPTION

2

2

(+) Accessory 2 (E1)


**Program bypass option
IF THE VEHICLE IS NOT EQUIPPED
WITH FUNCTIONAL HOOD PIN:**
UNIT OPTION
DESCRIPTION

A11

OFF

Hood trigger (Output Status).


**Program bypass option
(if equipped with OEM alarm):**
UNIT OPTION
DESCRIPTION

D2

Unlock before / Lock after (Disarm OEM alarm)


Parts required (Not included)

1X THAR-ONE-KHY2

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF
SECURITY STICKER


Included

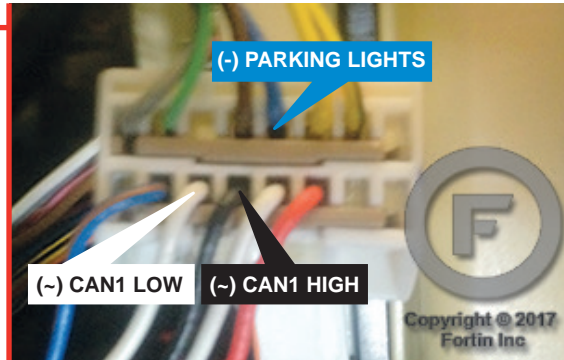
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

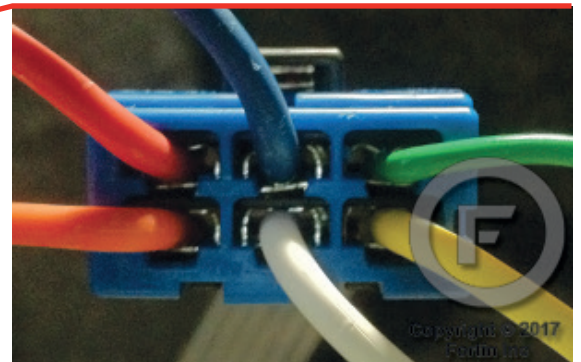
DESCRIPTION

③ Fuse box

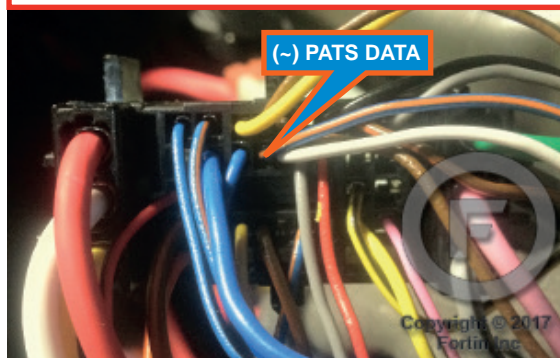
I/P Back of Fuse box



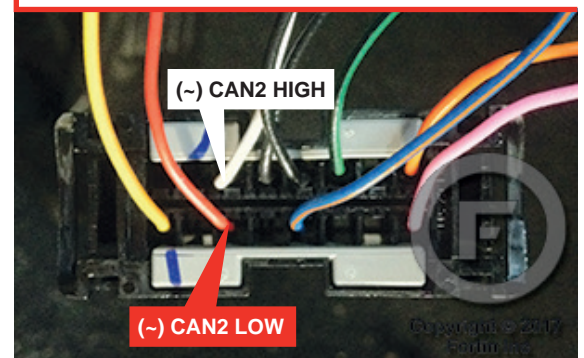
① Ignition harness



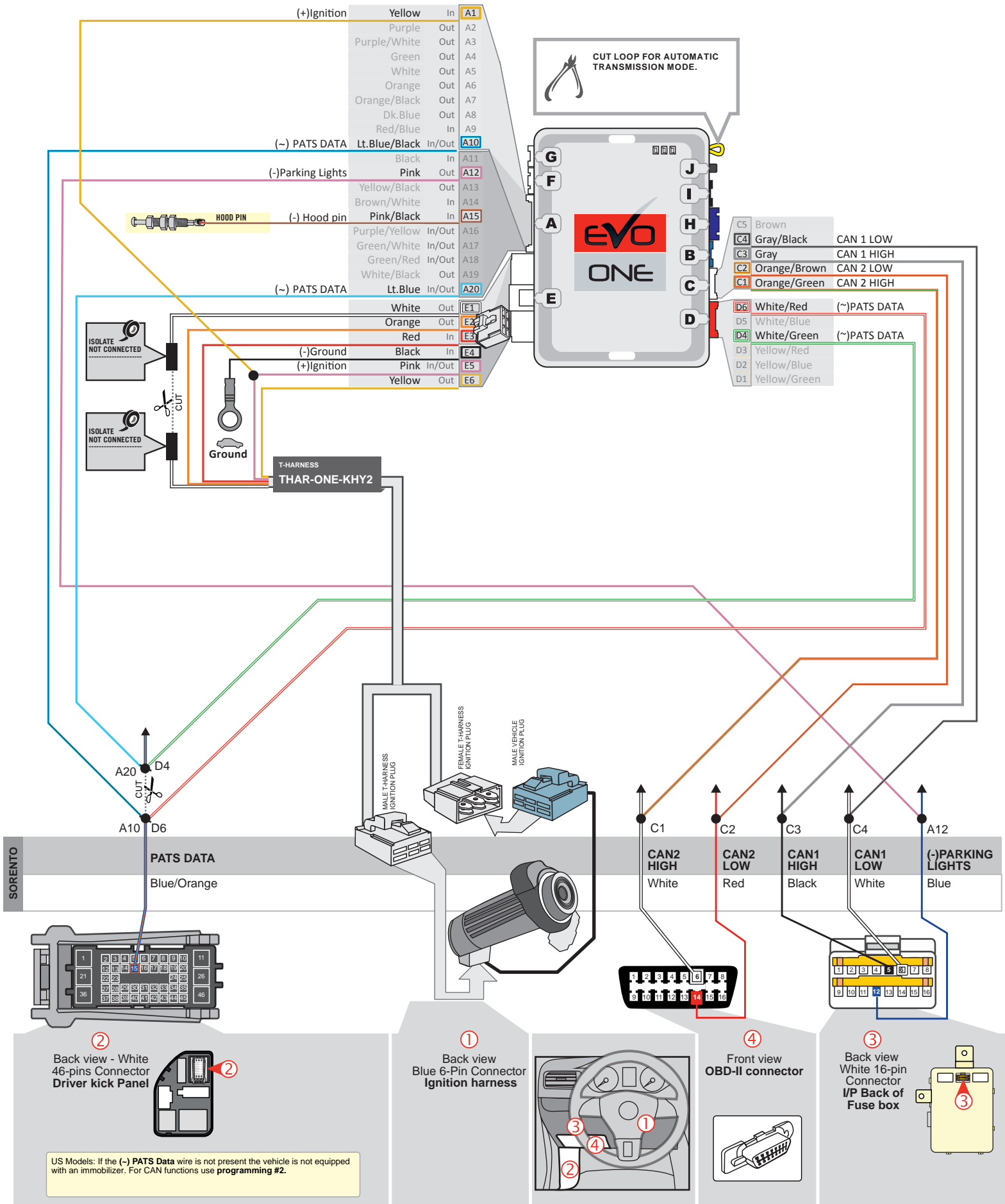
② Driver kick Panel



④ OBD-II connector

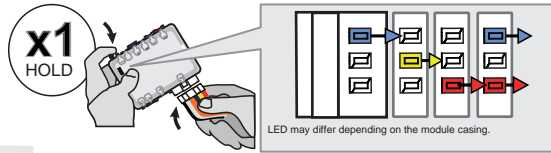


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

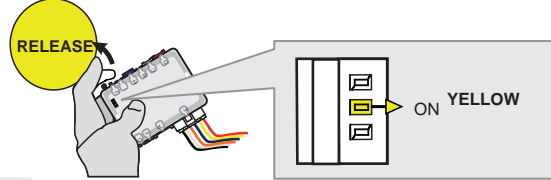
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

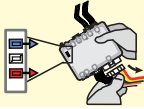
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

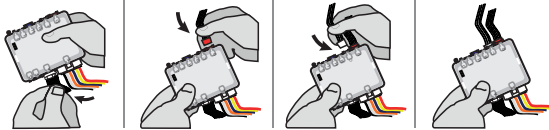


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW LED** is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

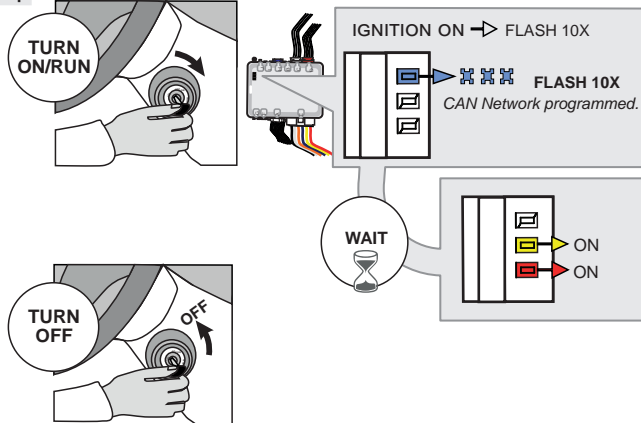


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

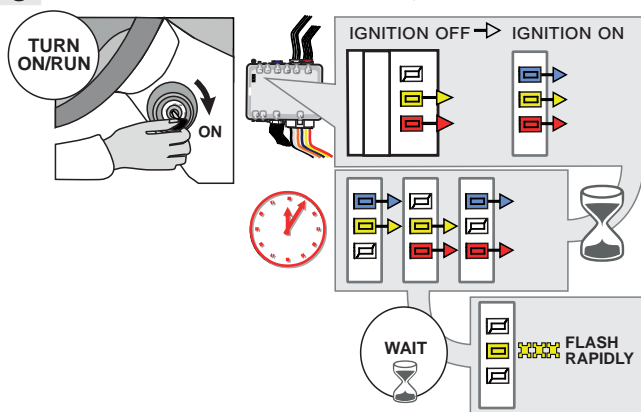
↳ The **BLUE LED** will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW LED** will turn ON:

Turn the key to the OFF position.

5



Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW LEDs** are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW LEDs**: processing...

↳ When the **YELLOW LED** begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

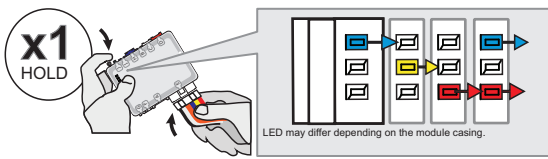
The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.



PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

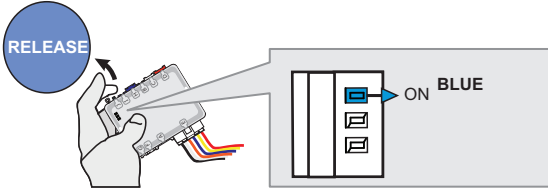
1



**Press and hold the programming button:
Insert the 6-Pin Main connector.**

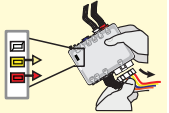
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

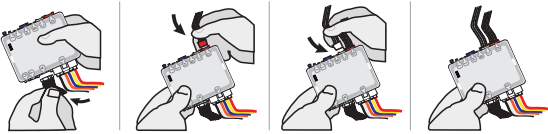


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

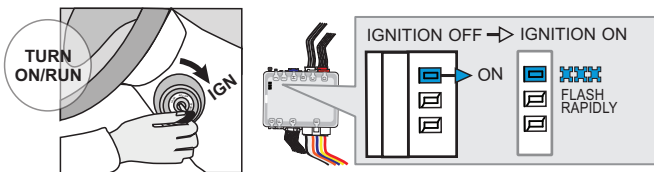


3



Insert the required remaining connectors.

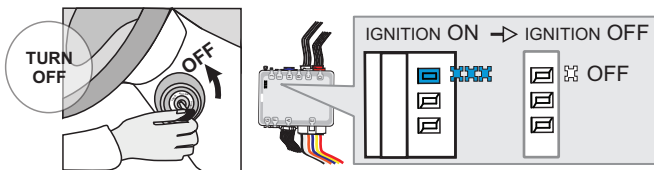
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

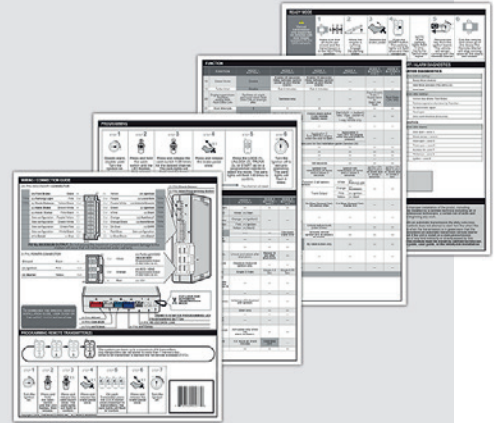


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Control	Parking Lights	Horn	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring**
KIA Sportage	2011-2016	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[43]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

NOTES

****OEM Remote monitoring** The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*** HOOD PIN** **HOOD STATUS:** THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER

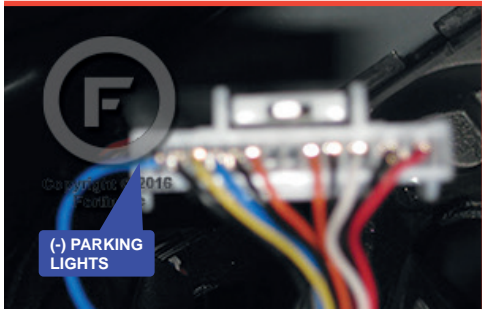
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

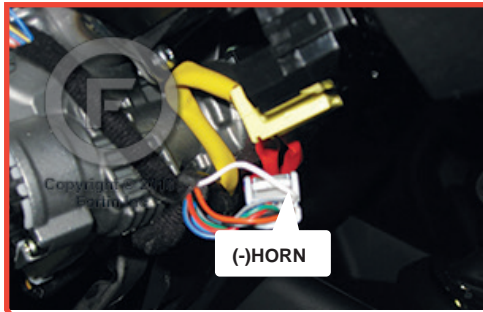
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

⑤ Parking lights switch



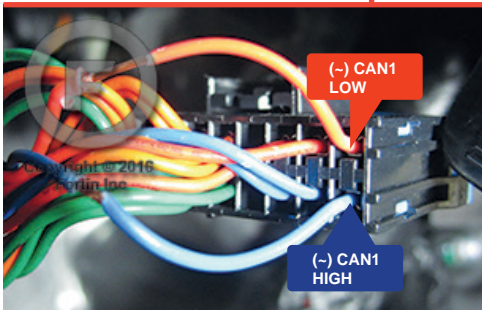
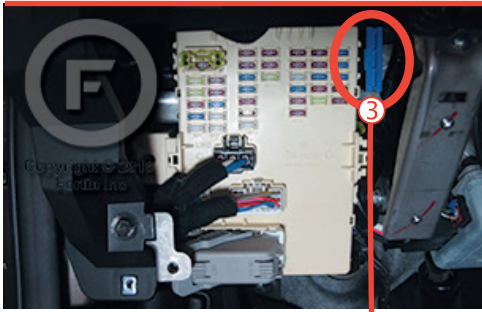
⑥ Horn switch



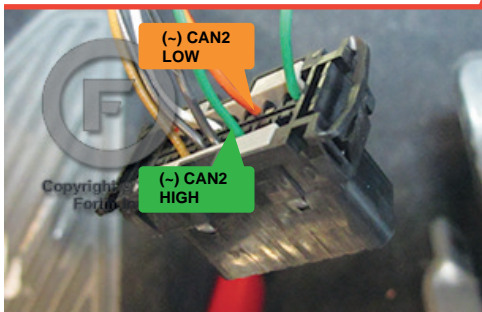
② Ignition connector



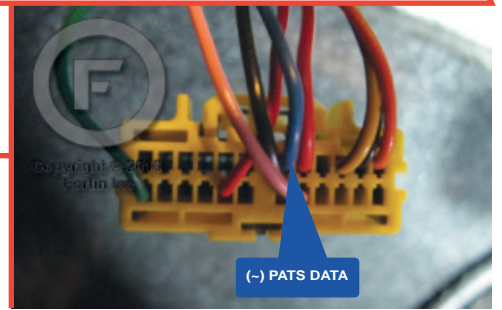
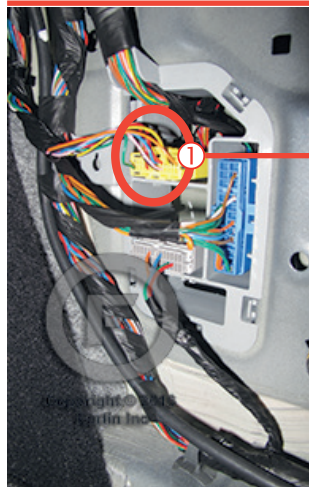
③ side of Fuse panel.



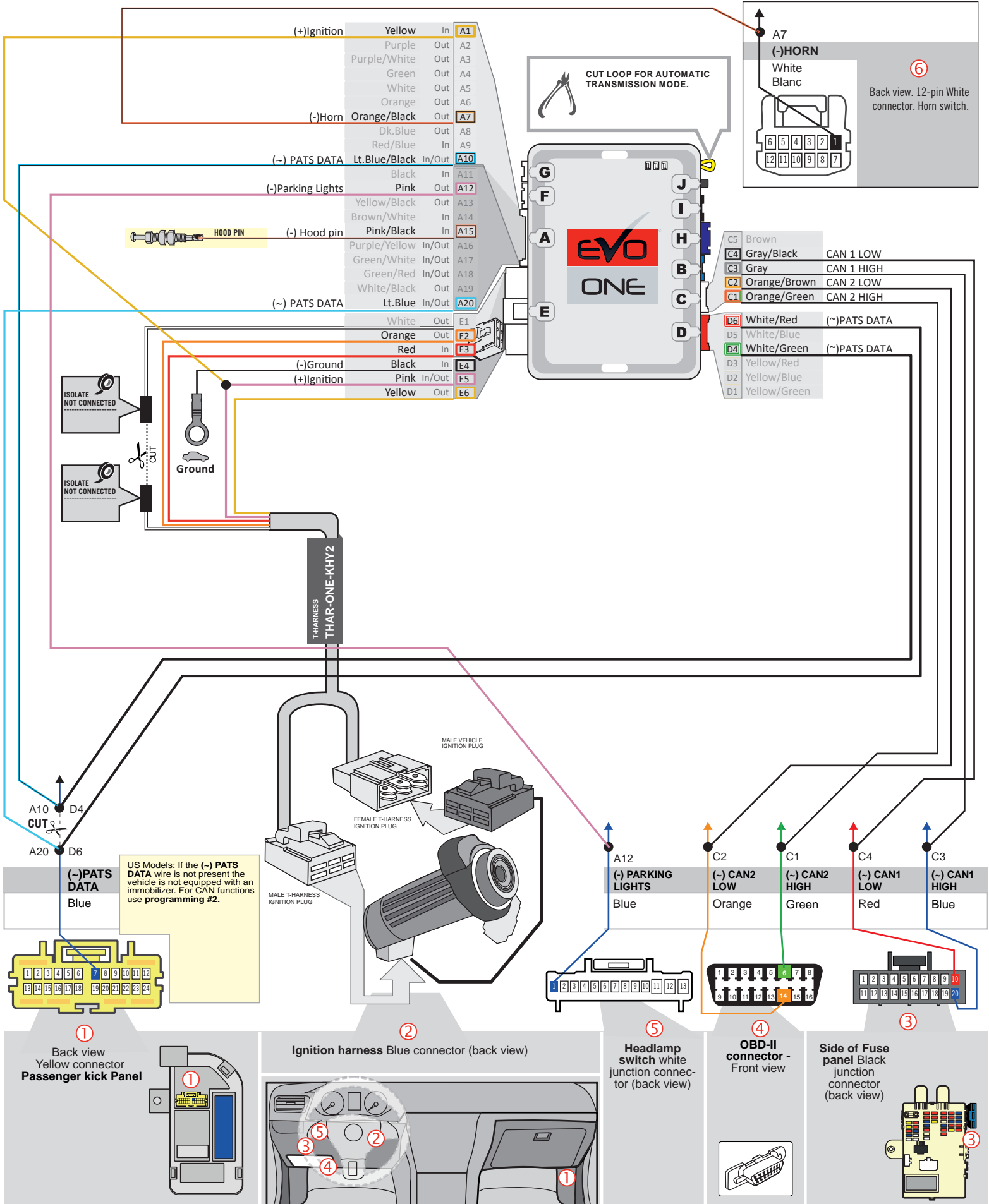
④ OBD-II connector



① Passenger kick panel

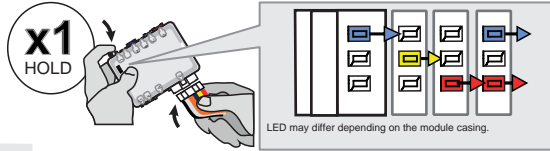


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

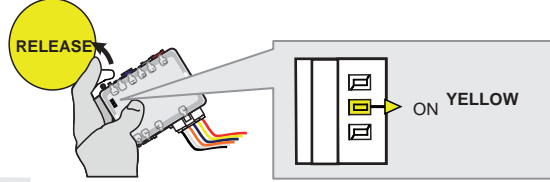
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

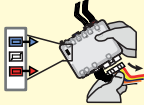
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

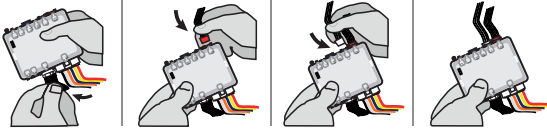


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW LED** is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

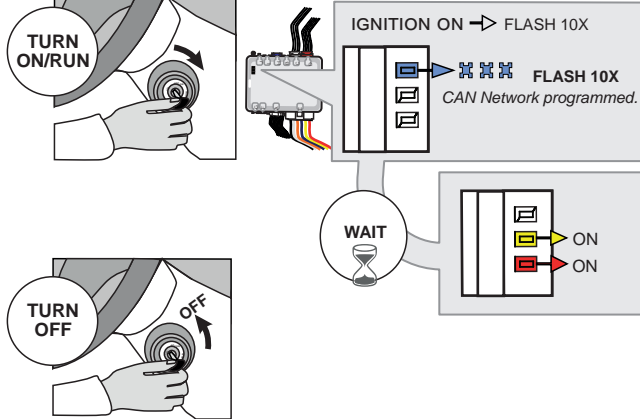


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

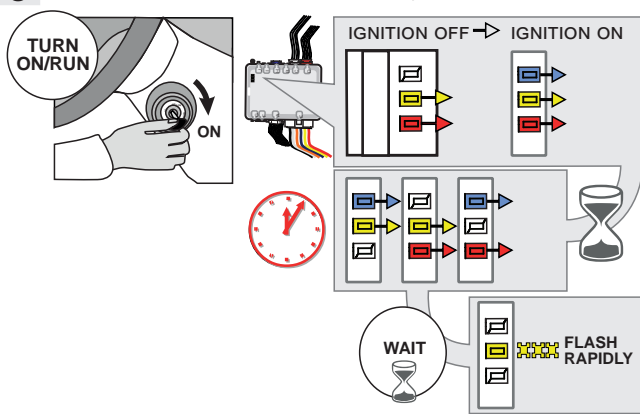
↳ The **BLUE LED** will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW LED** will turn ON:

Turn the key to the OFF position.

5



Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW LEDs** are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW LED's**: processing...

↳ When the **YELLOW LED** begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

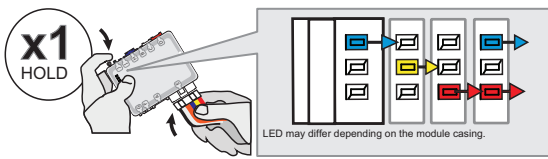


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PROGRAMMING PROCEDURE

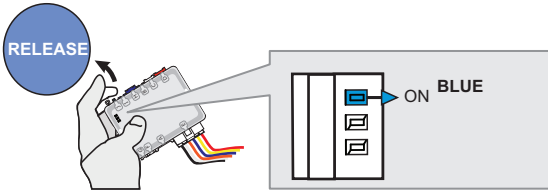
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

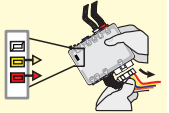
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

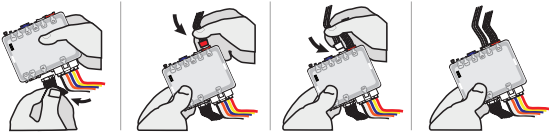


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

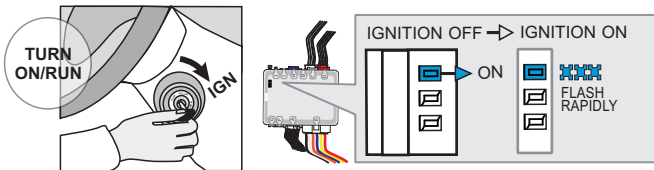


3



Insert the required remaining connectors.

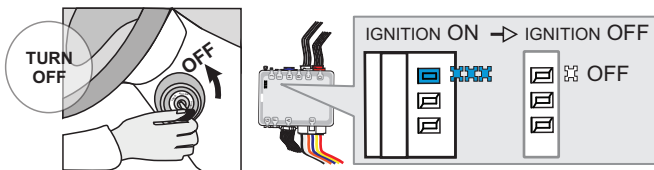
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

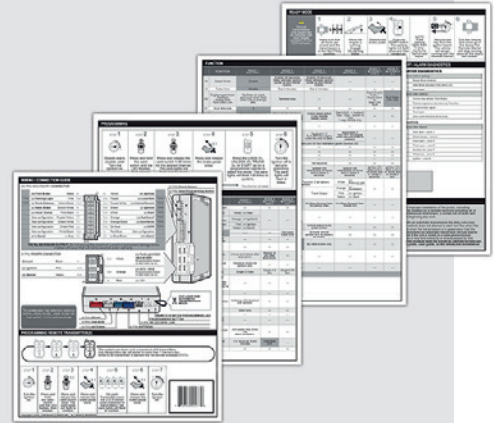
↳ The **BLUE LED** will turn off.



The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE

REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.

**VEHICLE EQUIPPED WITH OEM ALARM**

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option **D2** using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.

THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).																	
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**	
HYUNDAI																			
Kona	2018-2021	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	<div style="background-color: red; color: white; padding: 5px; display: inline-block; margin: 5px;">OFF</div> Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

NOTES

**OEM Remote monitoring The vehicles OEM remote will be operable when the engine is running.

MANDATORY INSTALL

* HOOD PIN

HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER AUTOCOLLANT DE

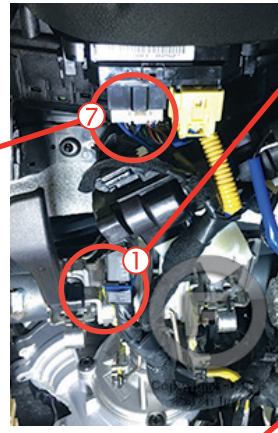
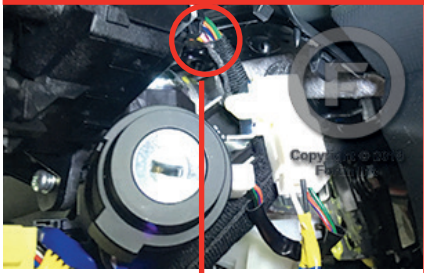
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

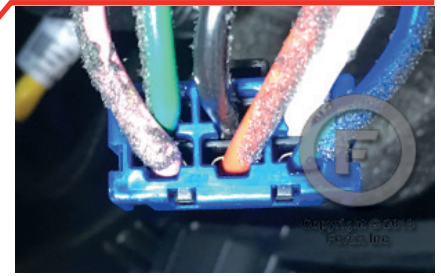
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

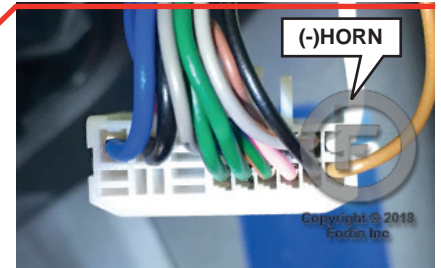
③ Under the wiper switch



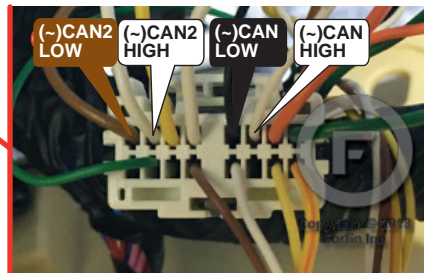
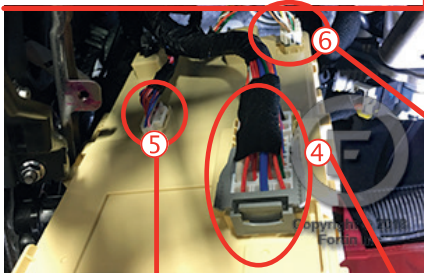
① At Ignition Connector



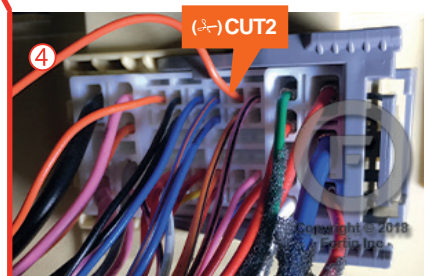
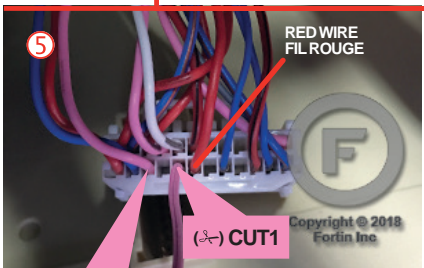
⑦ At horn switch



At back of fuse box

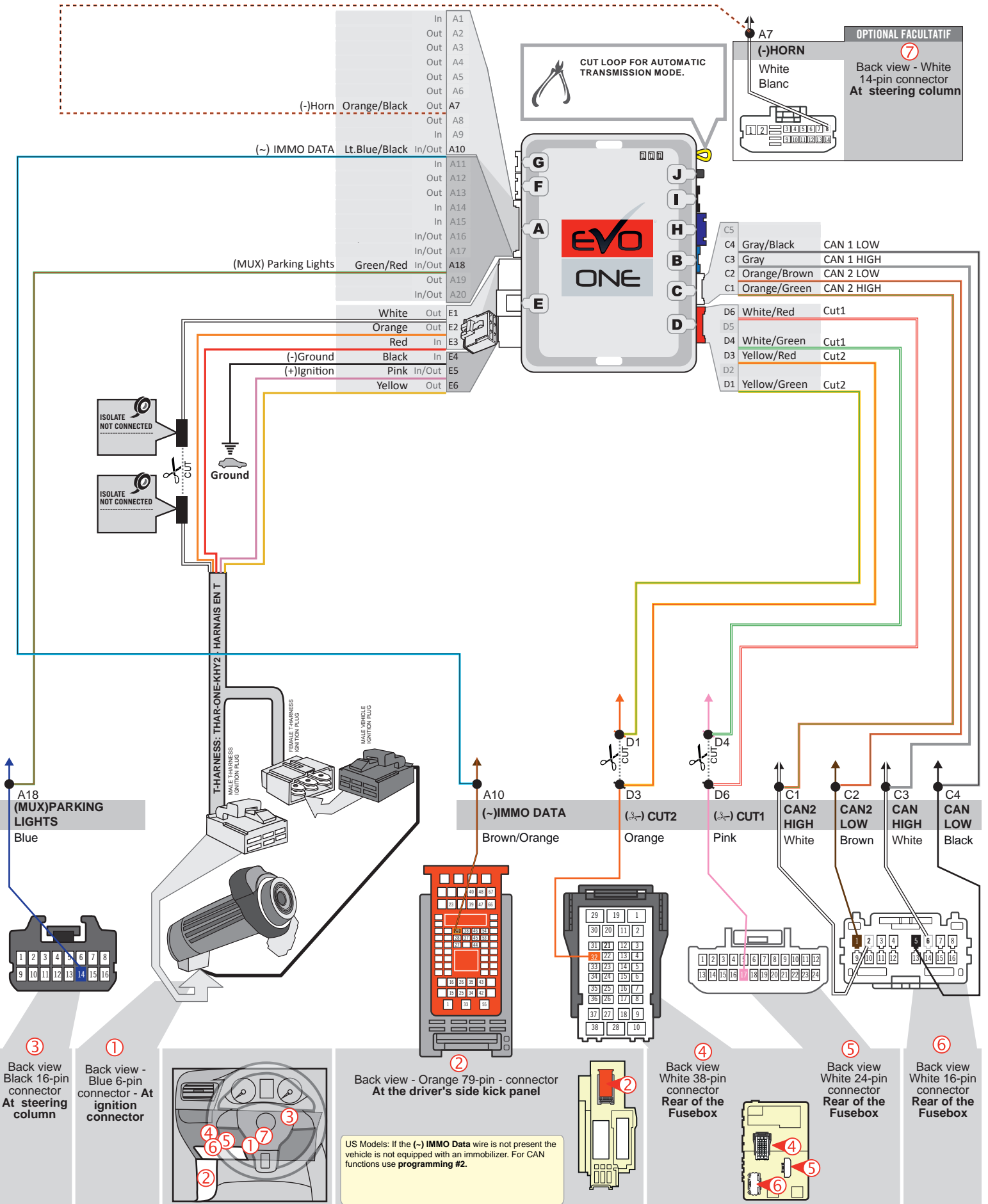


② In the driver's side kick panel



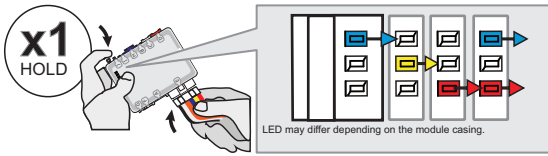
CAUTION DO NOT use this wire

WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

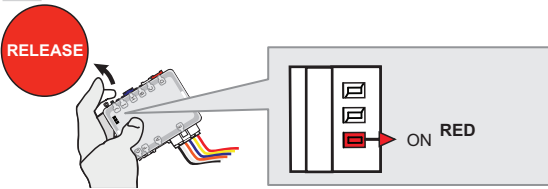
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

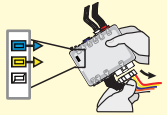
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

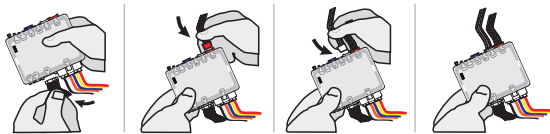


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

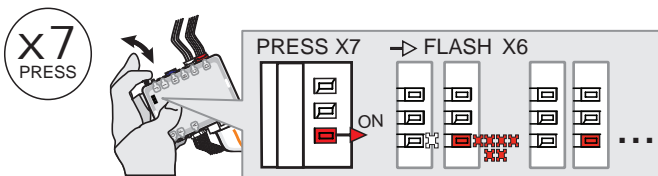


3



Insert the required remaining connectors.

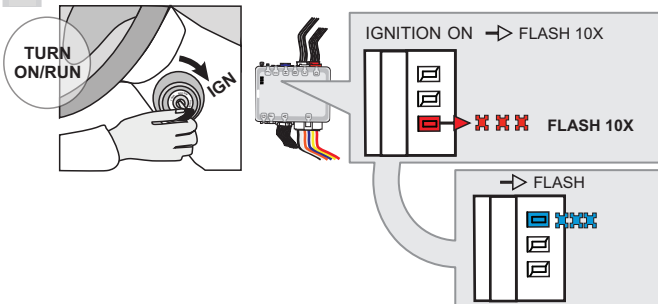
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

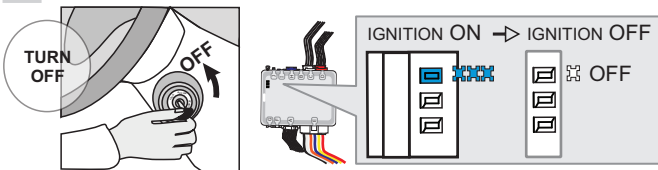


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

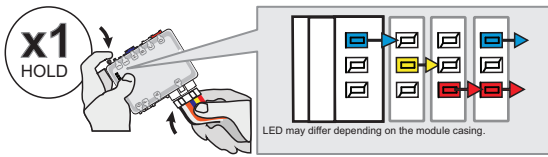


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT IMMO DATA WIRE |

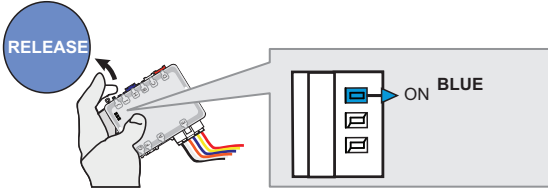
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

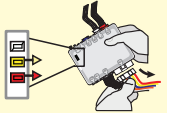
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

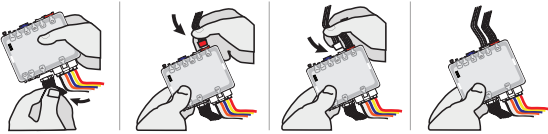


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

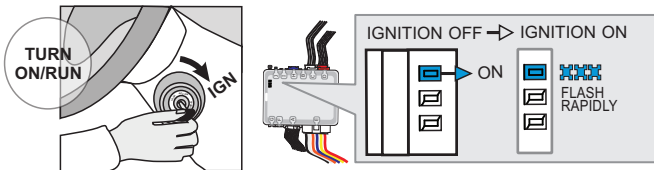


3



Insert the required remaining connectors.

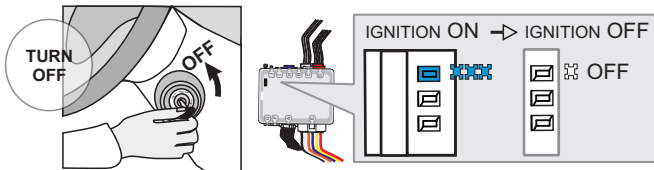
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

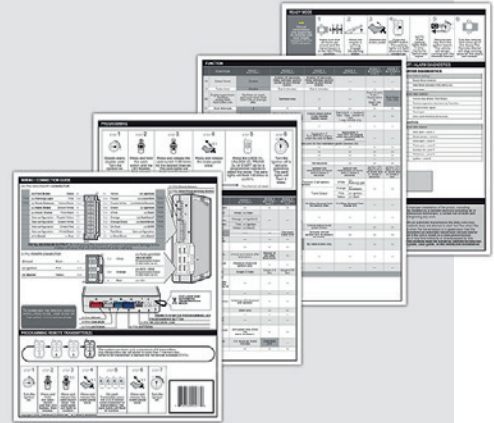


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



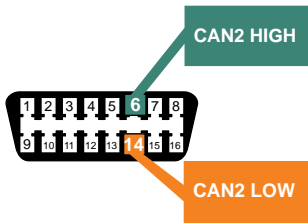
The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).															
		Immobilizer bypass	T-Harness available (sold separately)	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Horn	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status
HYUNDAI																	
Santa Fe	2013-2016	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	XL 2013-2016	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

④ OBD-II connector



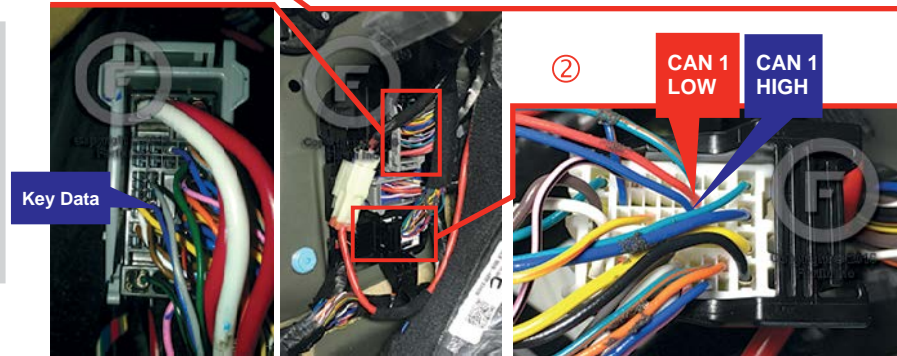
① Ignition Barrel



⑤ At Parking Light Switch



③ Driver kick panel



BYPASS FIRMWARE VERSION

76.[29]

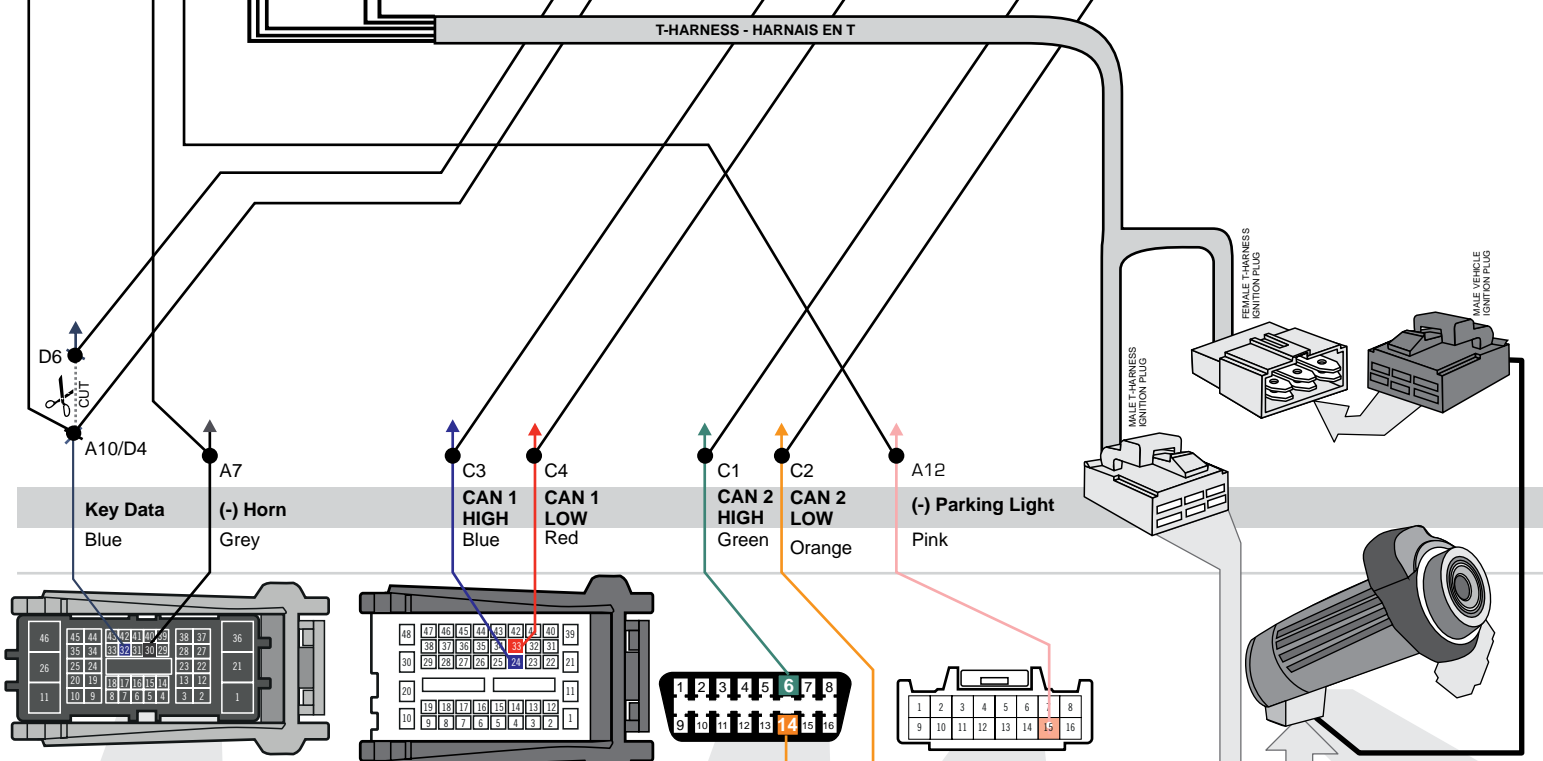
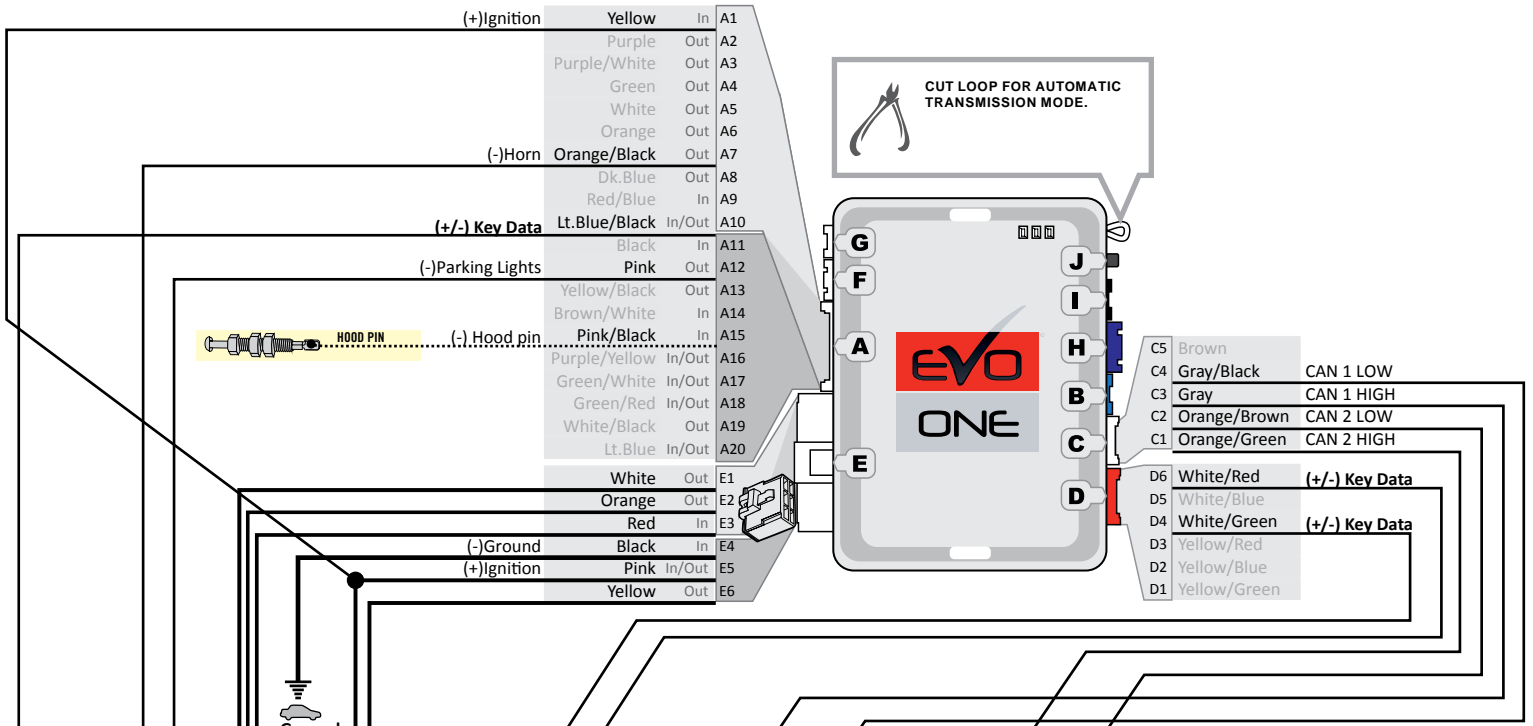
HYUNDAI/KIA MINIMUM

Program remote starter option:	FUNCTION	MODE	DESCRIPTION
	2	2	(+) Accessory 2 (E1)

NOTES

*Hood Status functional if equipped with a factory hood switch.

WIRING CONNECTION



3

Driver Kick Panel

Black connector - Back view

2

Driver Kick Panel

White connector - Back view

4

OBD-II connector

Front view

5

At Parking Light switch connector

White connector - Back view

1

Ignition Barrel

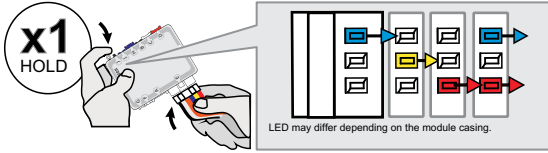
At Ignition connector

Blue connector - Back view

US Models: If the (-) Data wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

KEY BYPASS PROGRAMMING PROCEDURE

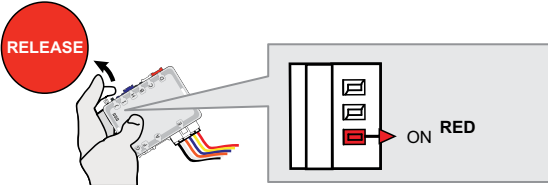
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

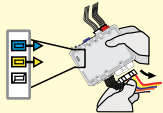
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2



Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

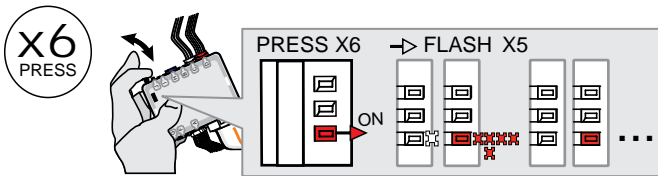


3



Insert the required remaining connectors.

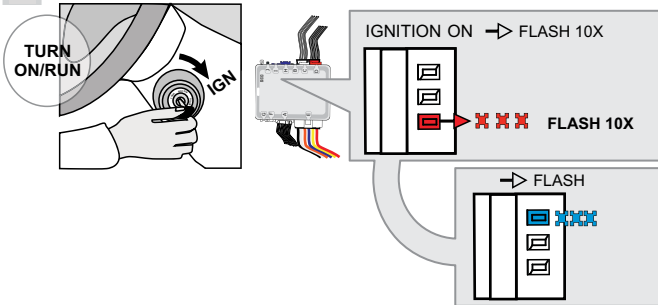
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times each second.

5

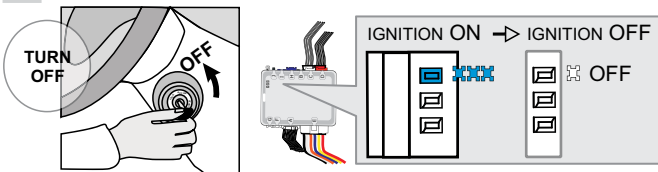


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

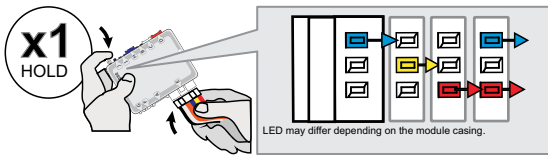


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

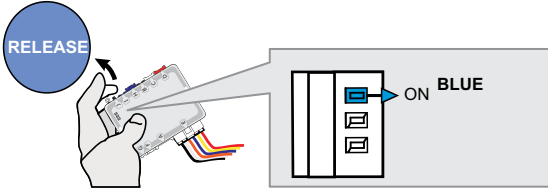
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

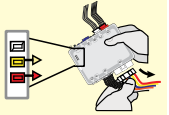
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

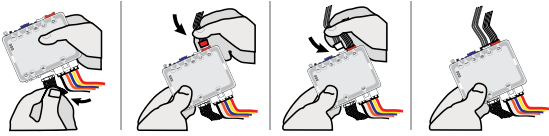


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

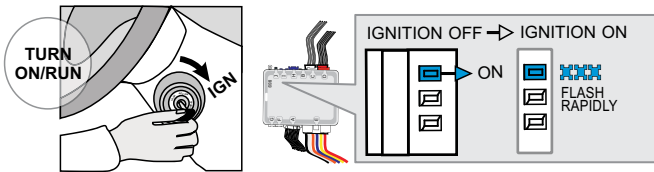


3



Insert the required remaining connectors.

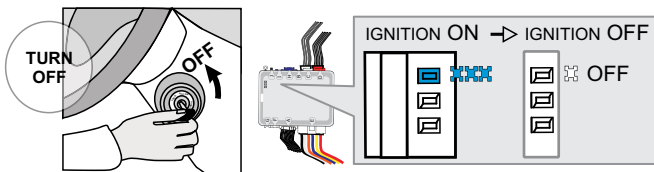
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

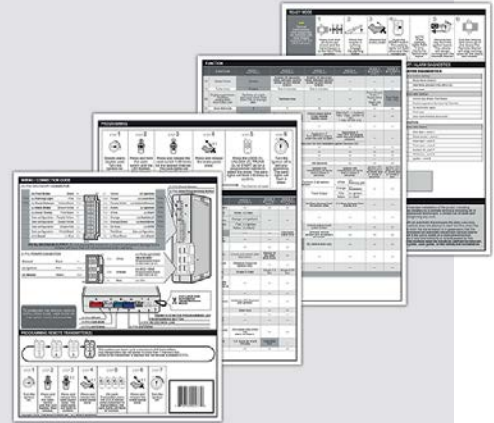


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLTION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)														
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring**
HYUNDAI Sonata	2014	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



**Program bypass option
IF THE VEHICLE IS NOT EQUIPPED
WITH FUNCTIONAL HOOD PIN:**

UNIT OPTION

A11

OFF

DESCRIPTION

Hood trigger (Output Status).

NOTES

**OEM Remote monitoring



The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



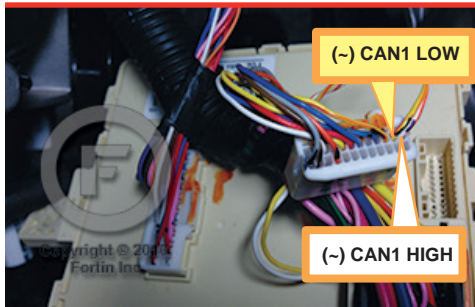
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

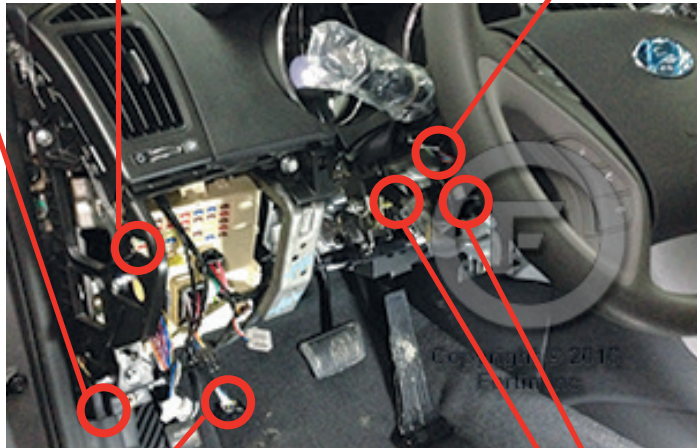
⑤ Behind Fuse Panel



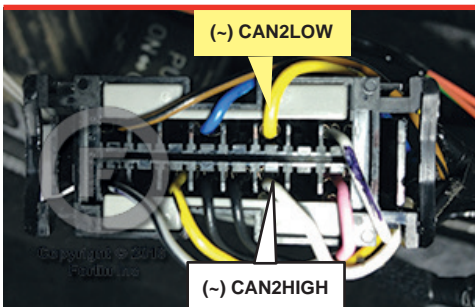
③ At Parking Light switch connector



① Driver Kick Panel



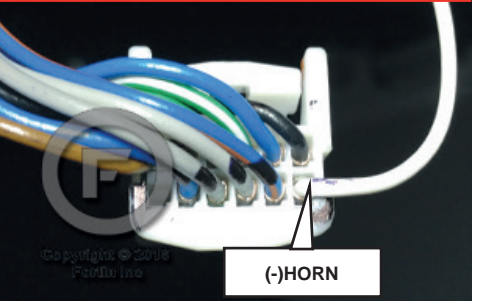
④ OBD-II connector



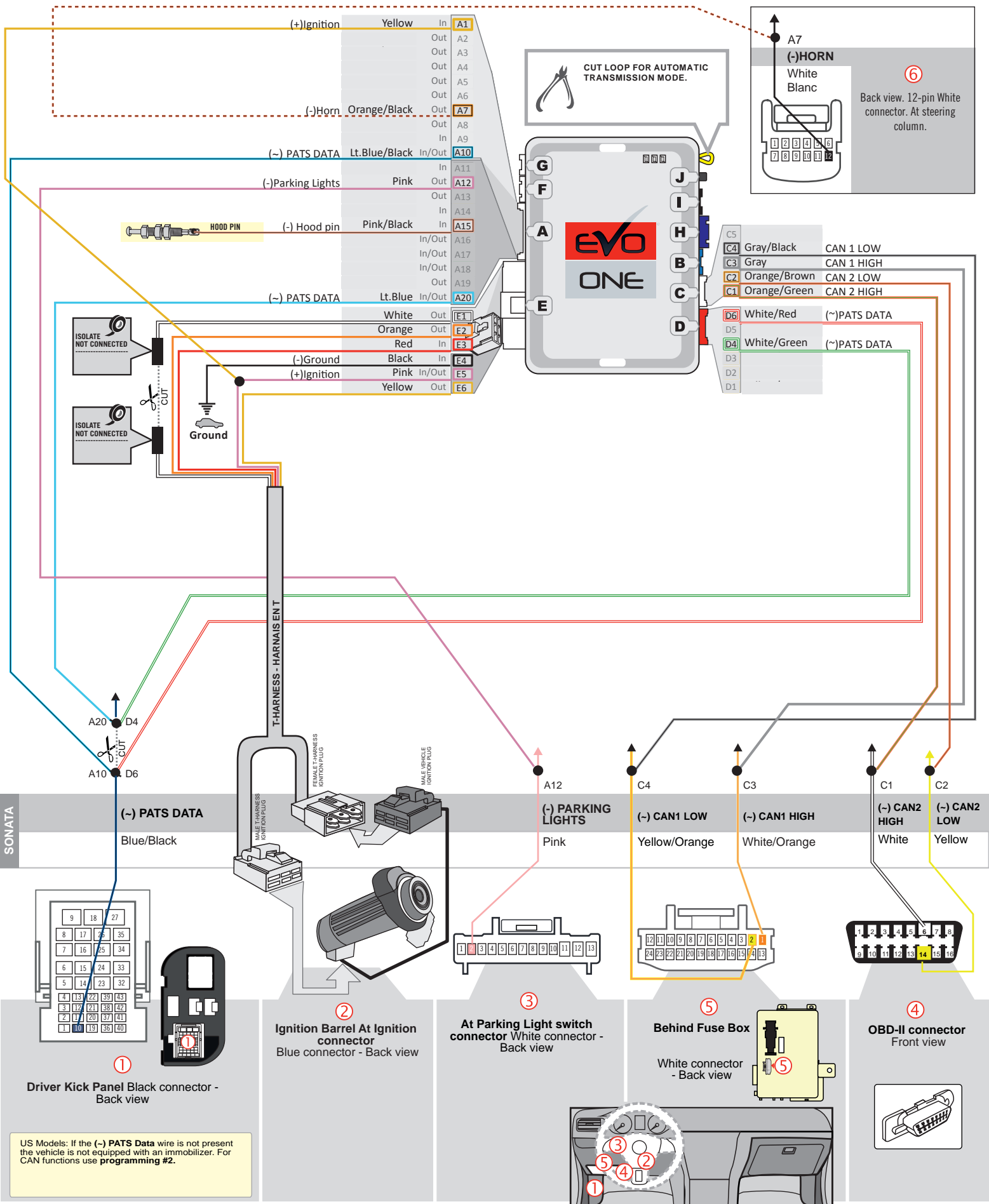
② Ignition Barrel



⑥ Steering column



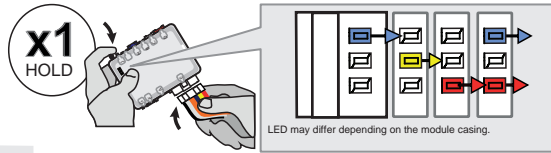
WIRING CONNECTION



US Models: If the (-) PATS Data wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

KEY BYPASS PROGRAMMING PROCEDURE

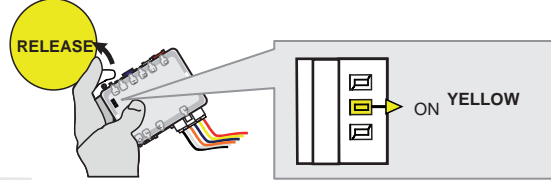
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

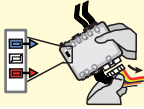
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

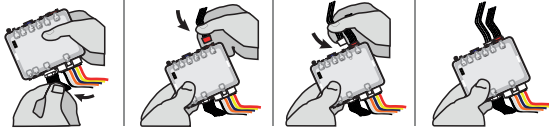


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW LED** is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

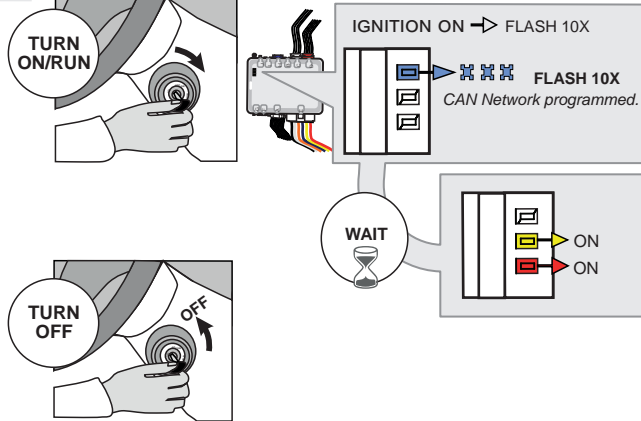


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

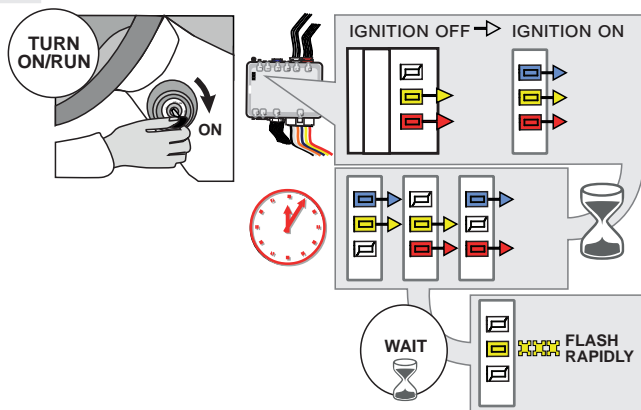
↳ The **BLUE LED** will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW LED** will turn ON:

Turn the key to the OFF position.

5



Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW LEDs** are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW LED's**: processing...

↳ When the **YELLOW LED** begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

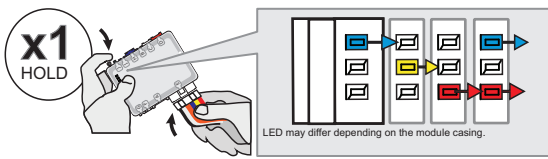


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

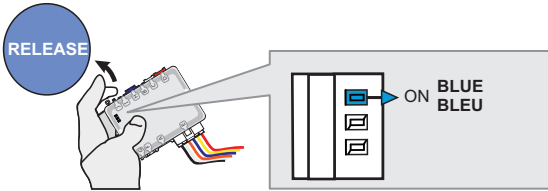
1



**Press and hold the programming button:
Insert the 6-Pin Main connector.**

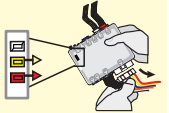
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

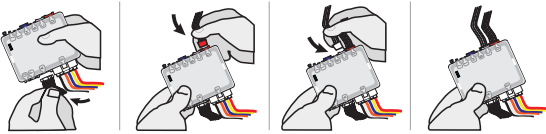


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

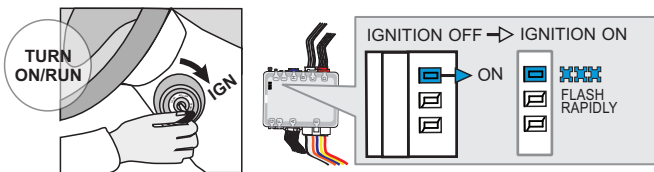


3



Insert the required remaining connectors.

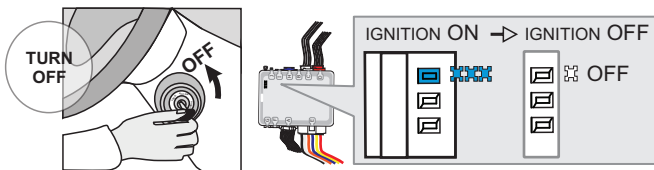
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

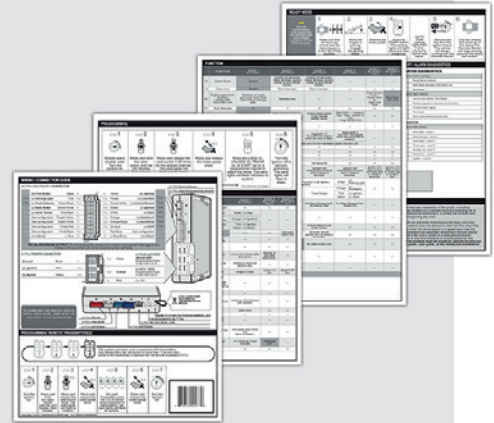


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



**THAR-ONE-KHY2 THARNSS
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION



VEHICLE

YEARS

Vehicle functions supported in this diagram (functional if equipped).

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	Auto-Light Control	OEM Remote monitoring**
HYUNDAI																			
Sonata	2015-2016	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



**Program bypass option
(If equipped with OEM alarm):**

UNIT OPTION

D2

DESCRIPTION

Unlock before / Lock after (Disarm OEM alarm)



Program remote starter option:

FUNCTION

2

MODE

2

DESCRIPTION

(+) Accessory 2 (E1)

NOTES

**OEM Remote monitoring The vehicle's OEM remote will not operate while the engine is running.

MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER



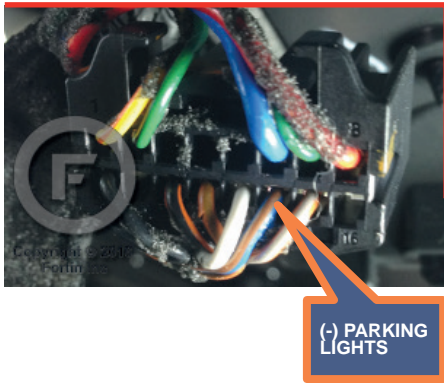
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

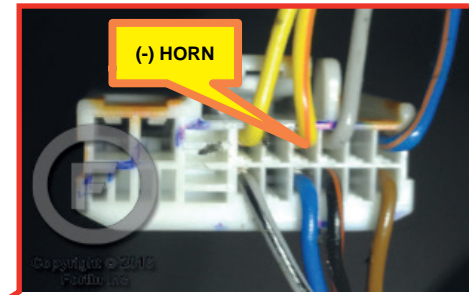
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

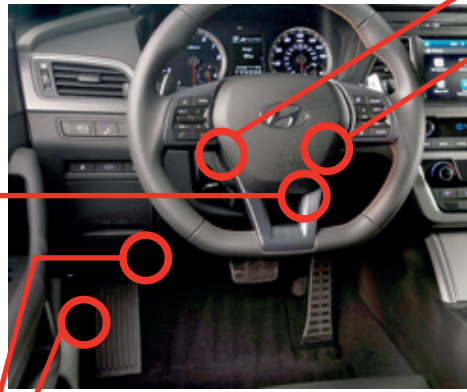
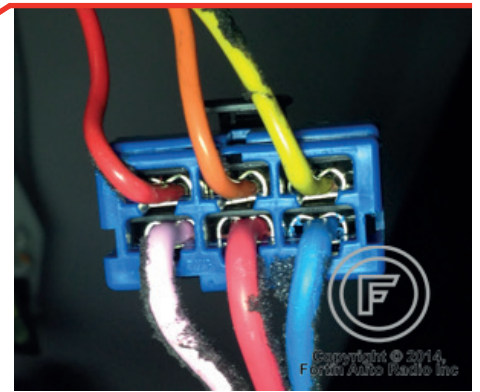
③ At Steering column



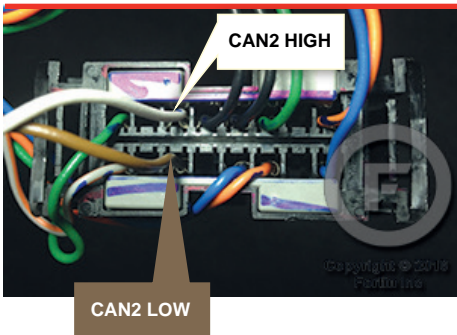
⑤ At Steering column



② Ignition Barrel



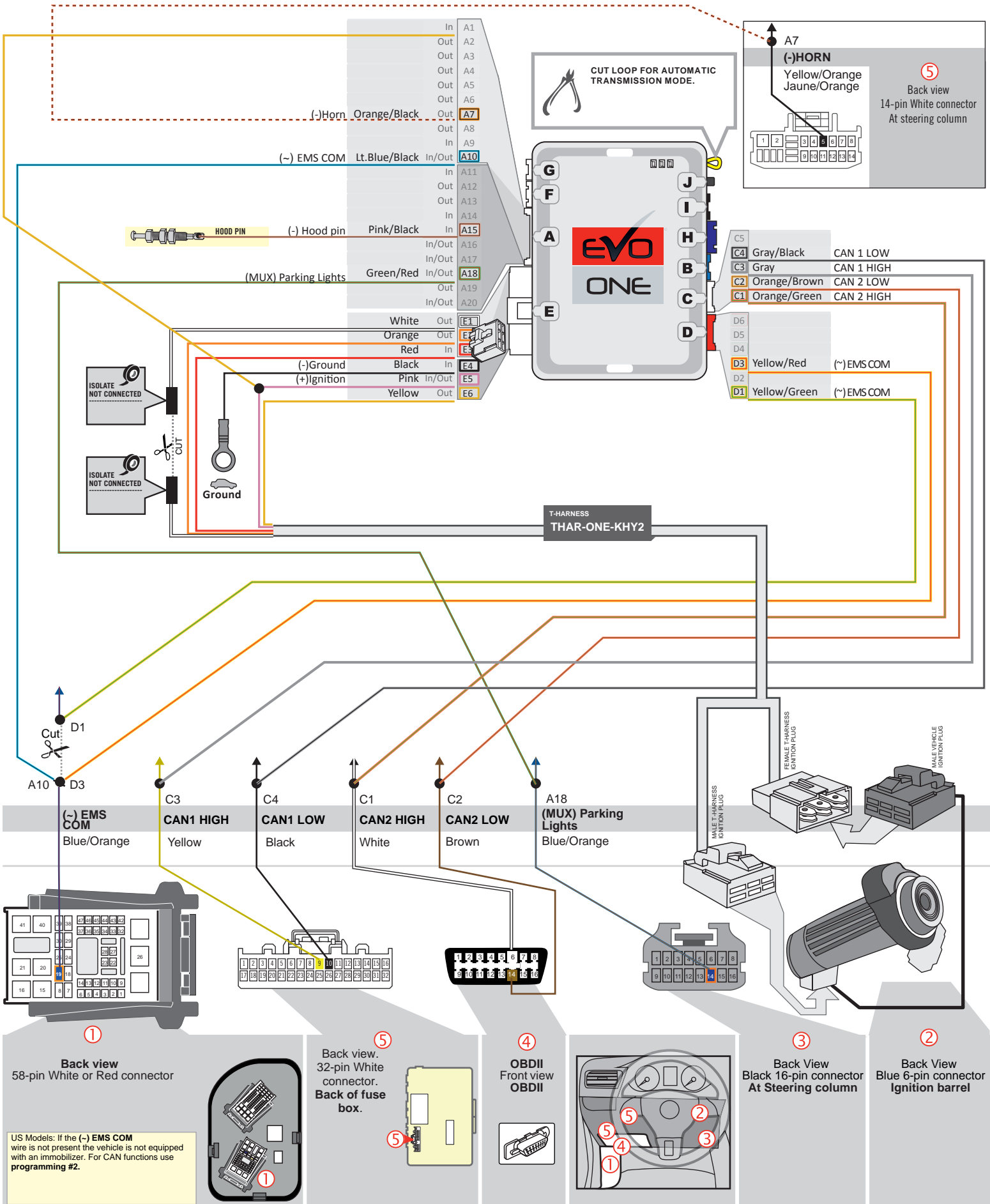
④ OBD-II connector



① Driver Kick Panel

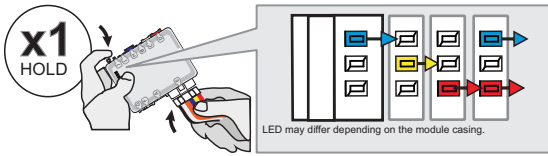


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

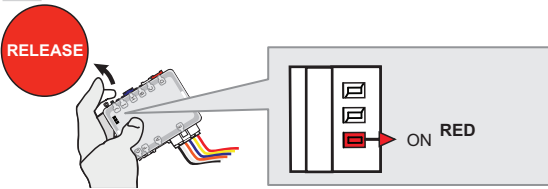
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

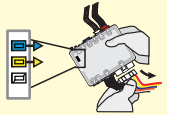
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

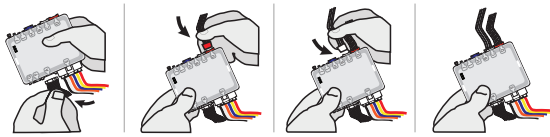


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

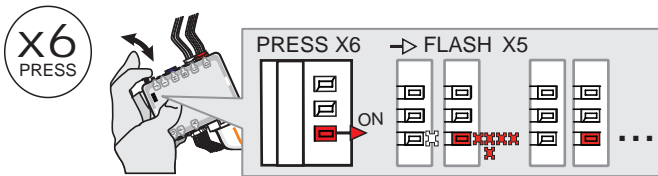


3



Insert the required remaining connectors.

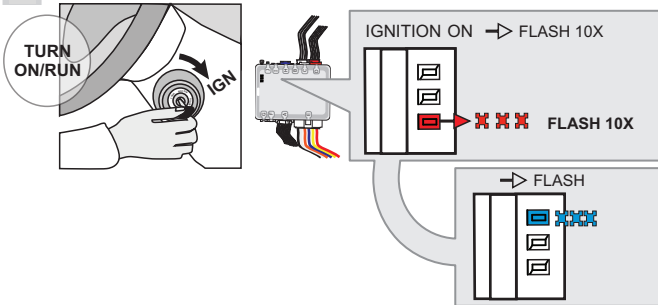
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

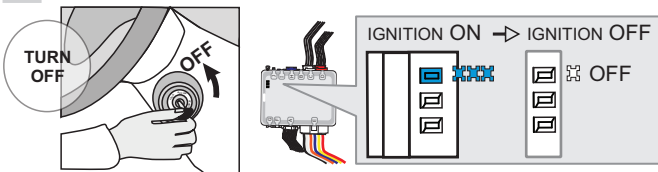


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

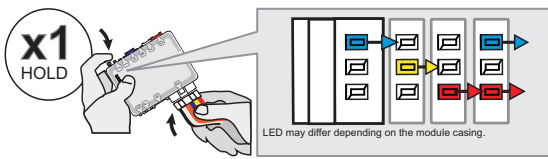


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

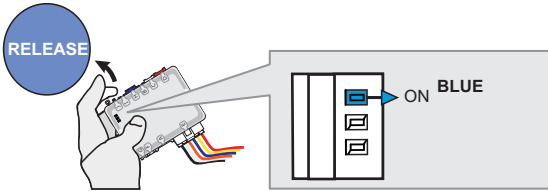
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

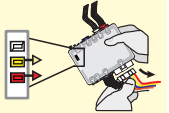
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

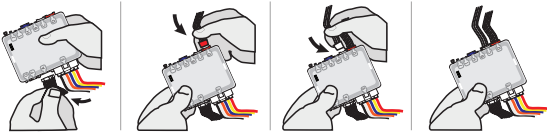


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

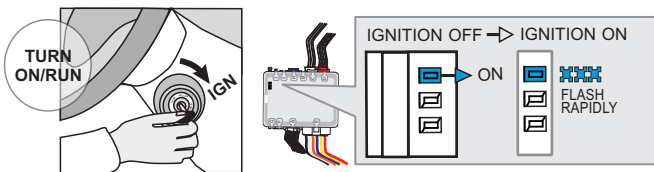


3



Insert the required remaining connectors.

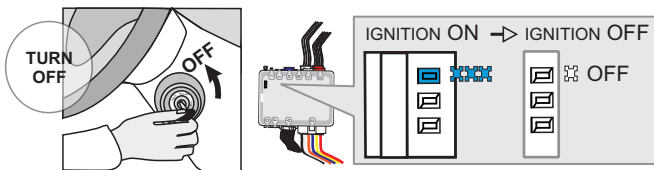
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

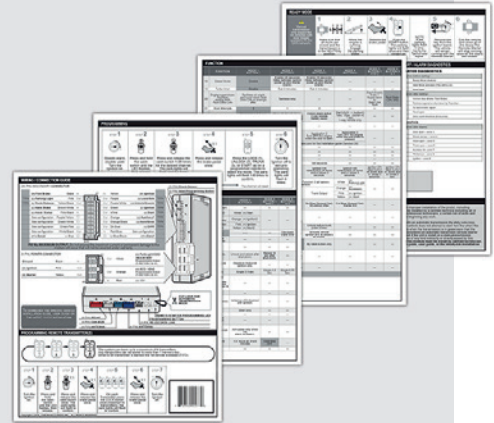


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNSS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped).

VEHICLE	YEARS	Immobilizer bypass	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	Auto-Light Control	OEM Remote monitoring**
HYUNDAI																		
Sonata	2018-2019	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

**BYPASS
FIRMWARE VERSION**

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	A11	<div style="background-color: red; color: white; padding: 5px; display: inline-block; margin-bottom: 5px;">OFF</div> Hood trigger (Output Status).

NOTES

**OEM Remote monitoring The vehicle's OEM remote will not operate while the engine is running.

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

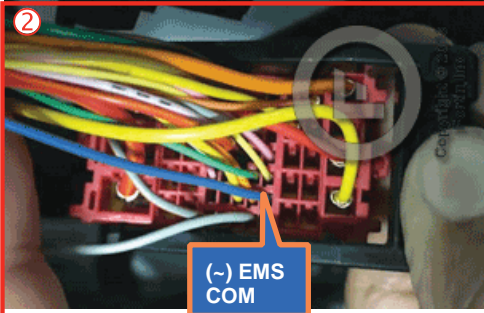
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

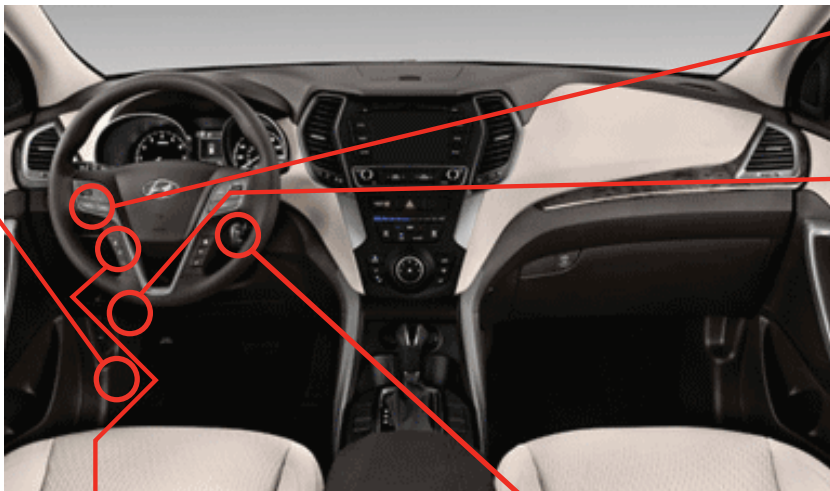
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

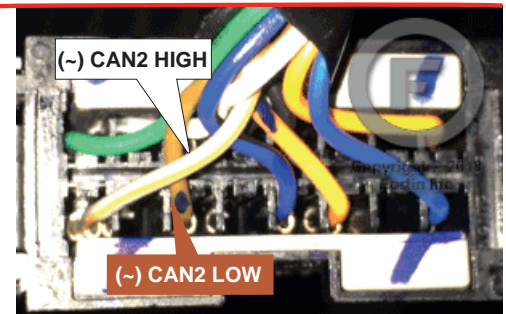
② In the driver's side kick panel



⑥ At horn switch



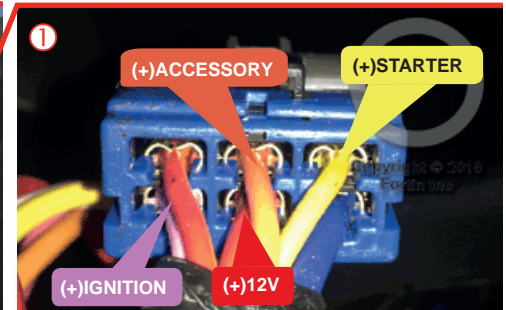
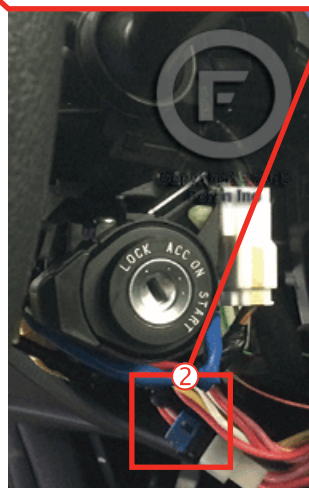
④ OBDII connector



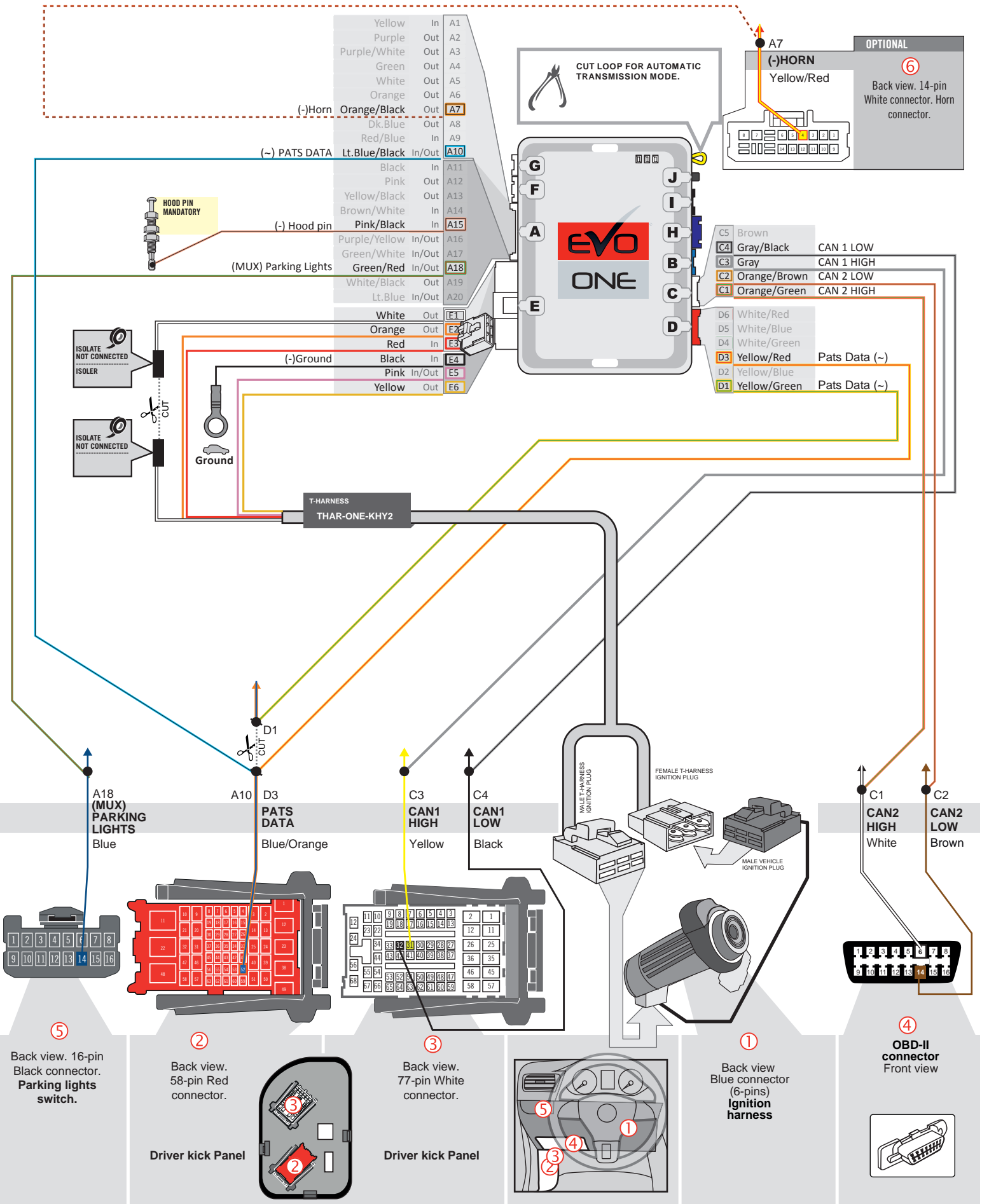
⑤ Under the wiper switch



① Ignition harness



WIRING CONNECTION



5 Back view. 16-pin Black connector. Parking lights switch.

2 Back view. 58-pin Red connector. Driver kick Panel

3 Back view. 77-pin White connector. Driver kick Panel

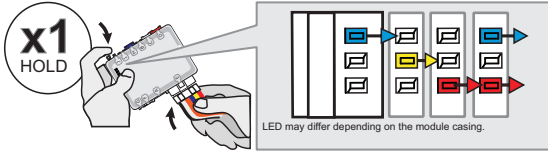
1 Back view. 6-pin Blue connector (6-pins) Ignition harness

4 OBD-II connector Front view

6 OPTIONAL Back view. 14-pin White connector. Horn connector.

KEY BYPASS PROGRAMMING PROCEDURE

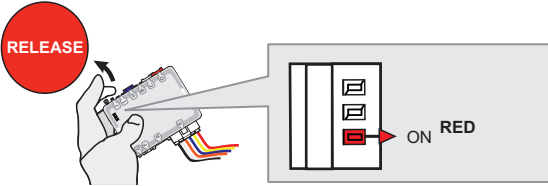
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

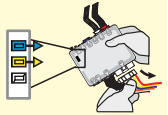
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

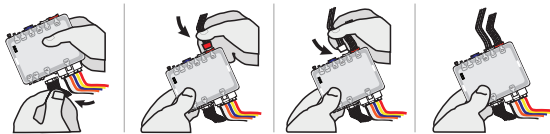


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

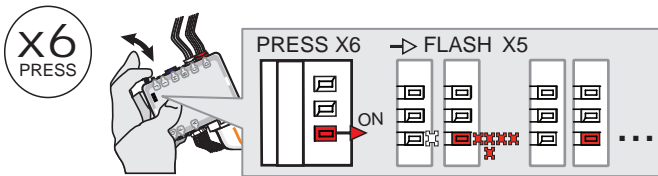


3



Insert the required remaining connectors.

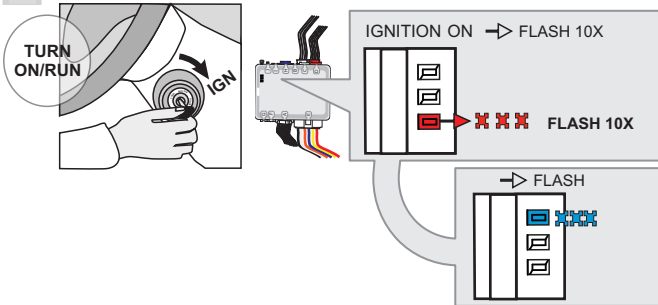
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

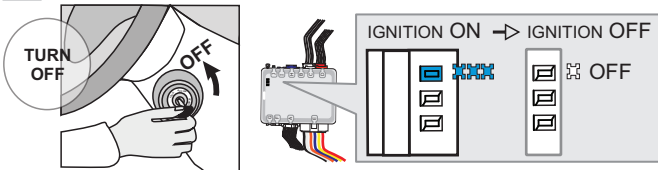


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

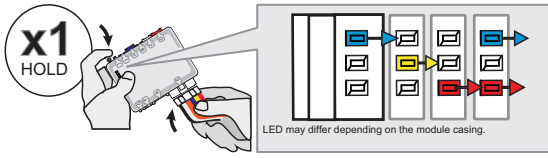


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

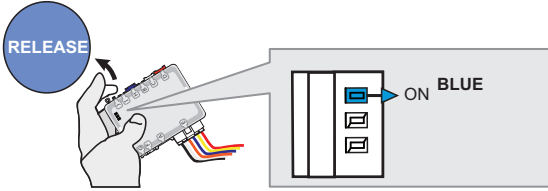
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

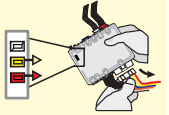
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

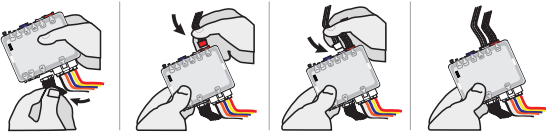


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

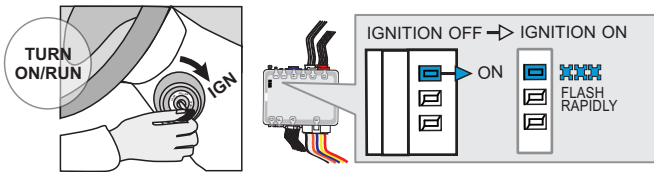


3



Insert the required remaining connectors.

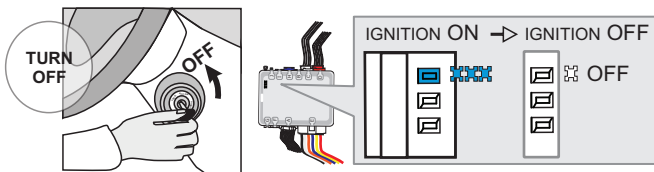
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

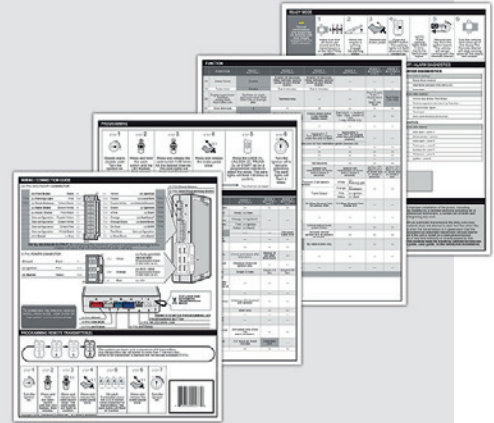


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped).

VEHICLE

YEARS

Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open & close)	RAP & Auto Lights Disable	Parking Lights	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring	R.S. OEM remote Stand Alone compatible
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KIA

Sorento

2016-2020

•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



Program bypass option:

UNIT OPTION

C1

DESCRIPTION

OEM Remote status (Lock/Unlock) monitoring



Program remote starter option for R.S. OEM REMOTE STAND ALONE:

FUNCTION

38

MODE

2

DESCRIPTION

Enable
Press 3x Lock to remote start with the OEM remote.

NOTES



The vehicles OEM remote and SmartKey are still operable during remote start.

MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER



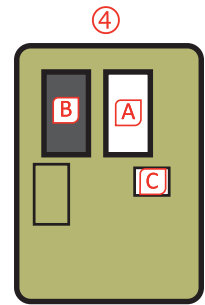
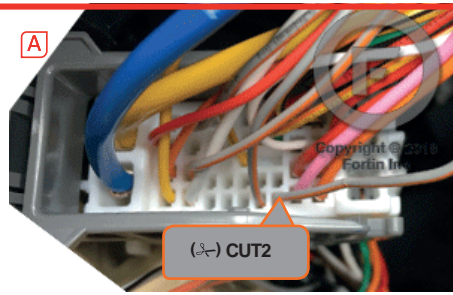
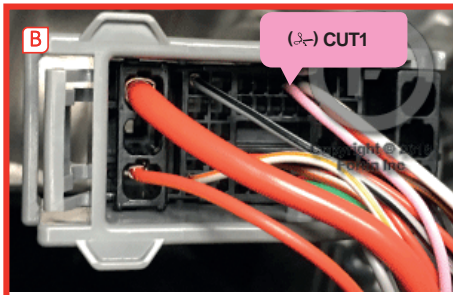
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

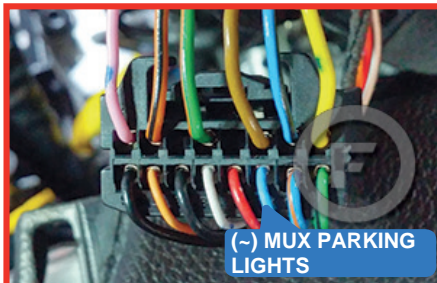
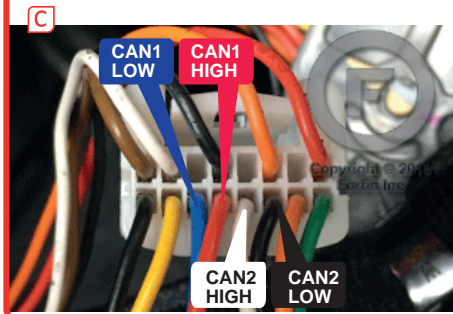
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION |

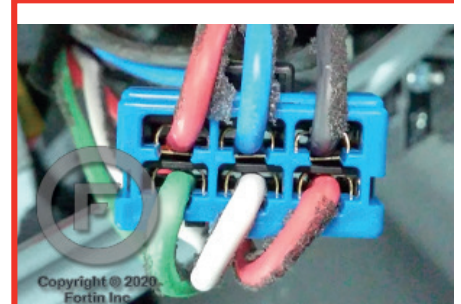
④ Back of the fuse box



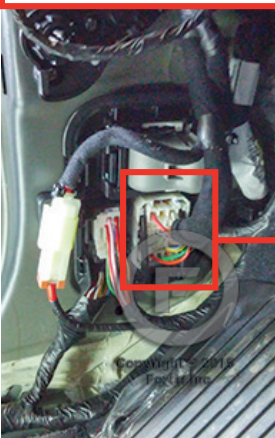
③ Parking lights switch



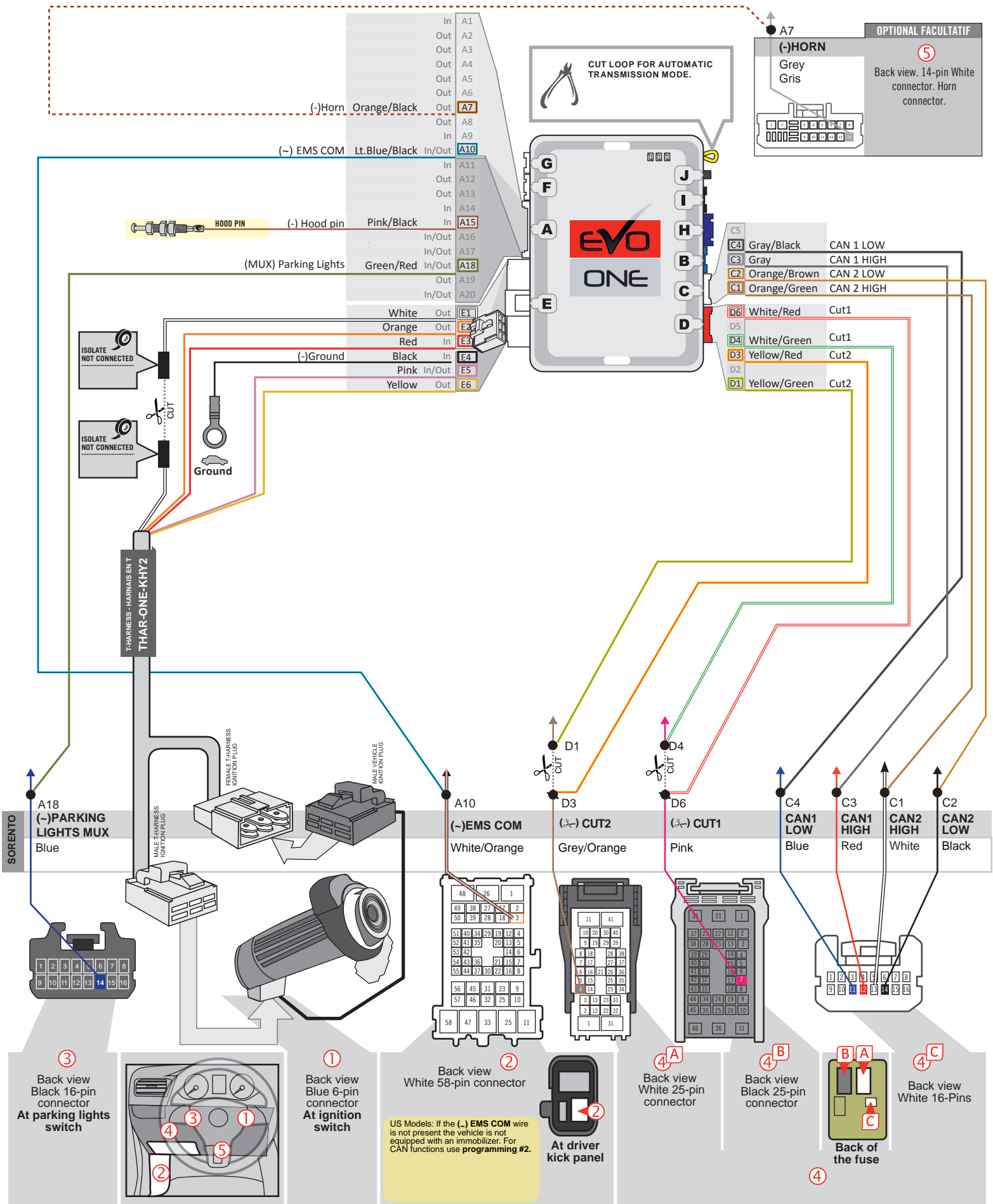
① Ignition switch



② At Driver kick panel

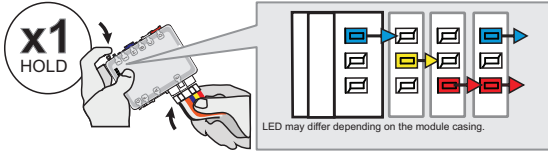


AUTOMATIC TRANSMISSION WIRING CONNECTION |



KEY BYPASS PROGRAMMING PROCEDURE |

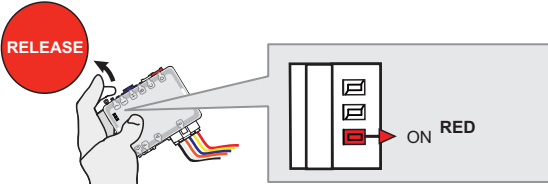
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

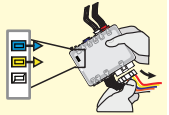
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

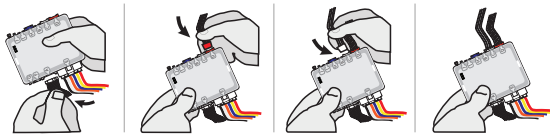


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

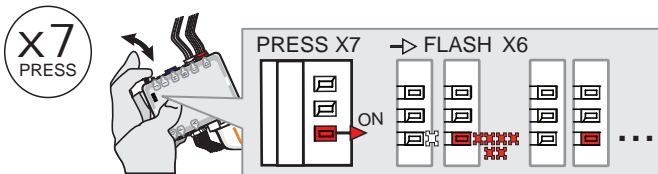


3



Insert the required remaining connectors.

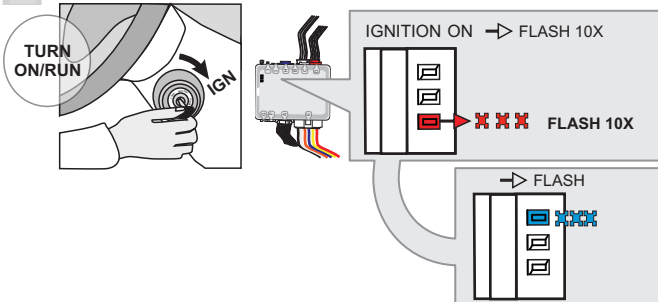
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

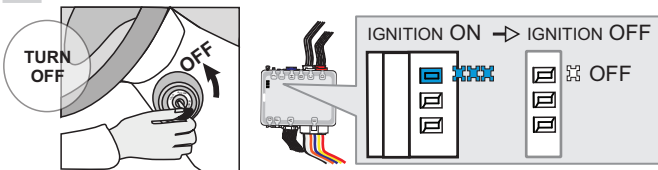


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

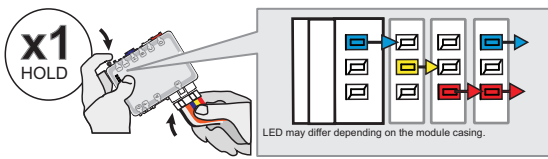


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

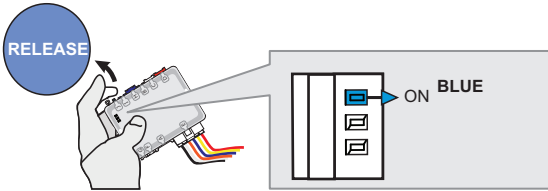
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

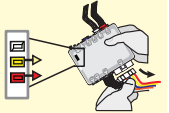
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

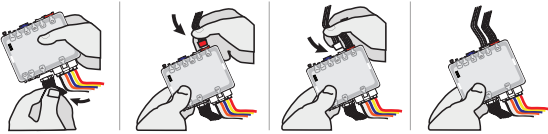


Release the programming button when the **BLUE LED** is **ON**.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

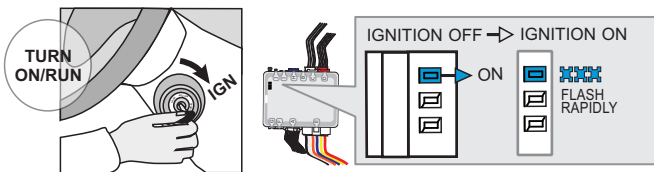


3



Insert the required remaining connectors.

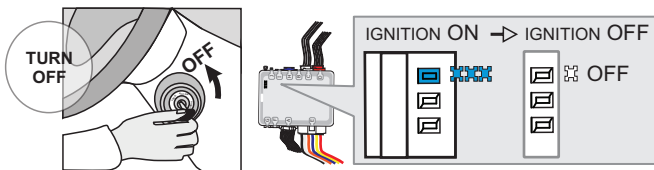
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

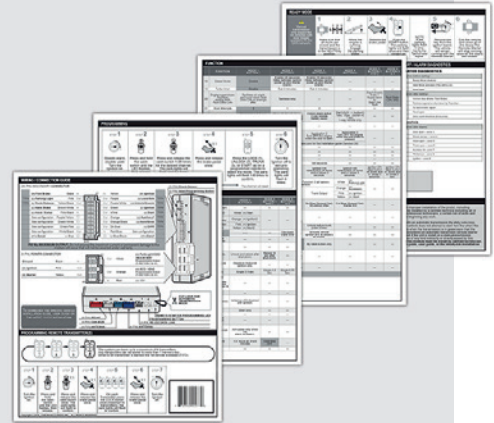


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)												
		Immobilizer bypass	T- Harness	Lock	Unlock	Arm	Parking Lights	Trunk (open)	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot Brake Status	OEM Remote monitoring*
HYUNDAI Tucson	2010-2015	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[29]

HYUNDAI/KIA MINIMUM

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

	Program bypass option (If equiped with OEM alarm):	UNIT OPTION	DESCRIPTION
		D2	Unlock before / Lock after (Disarm OEM alarm)

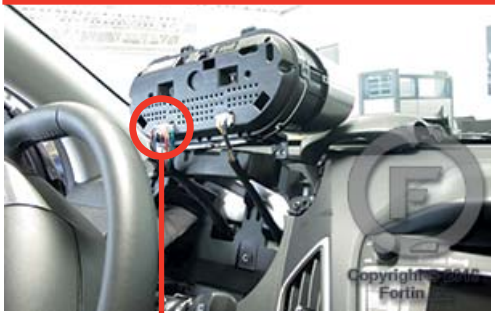
NOTES

*OEM Remote monitoring

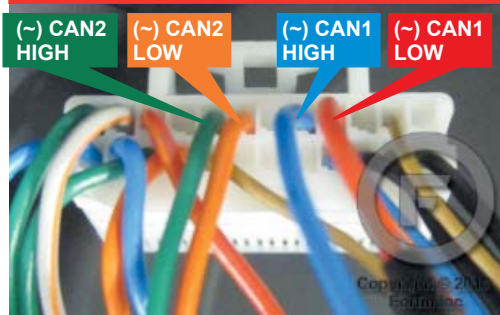
The vehicles OEM remote will not be operable during remote start.

DESCRIPTION

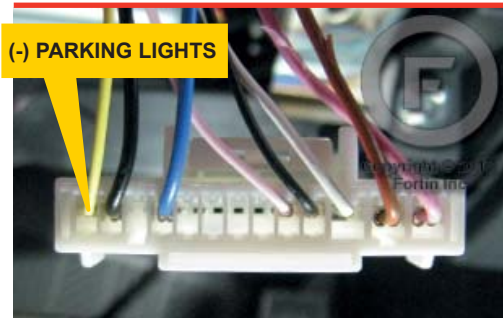
⑤ Back of cluster



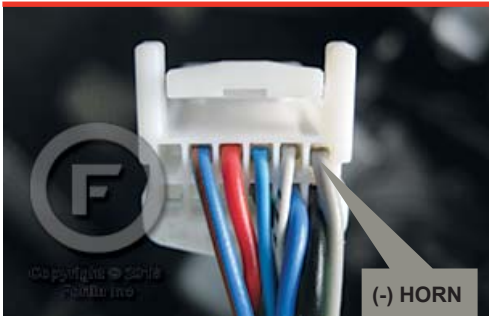
④ Ignition harness



③ At Parking Light switch connector



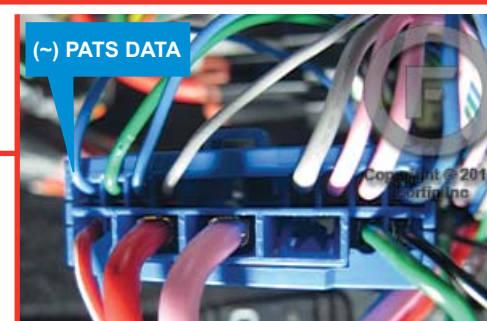
⑥ At steering column



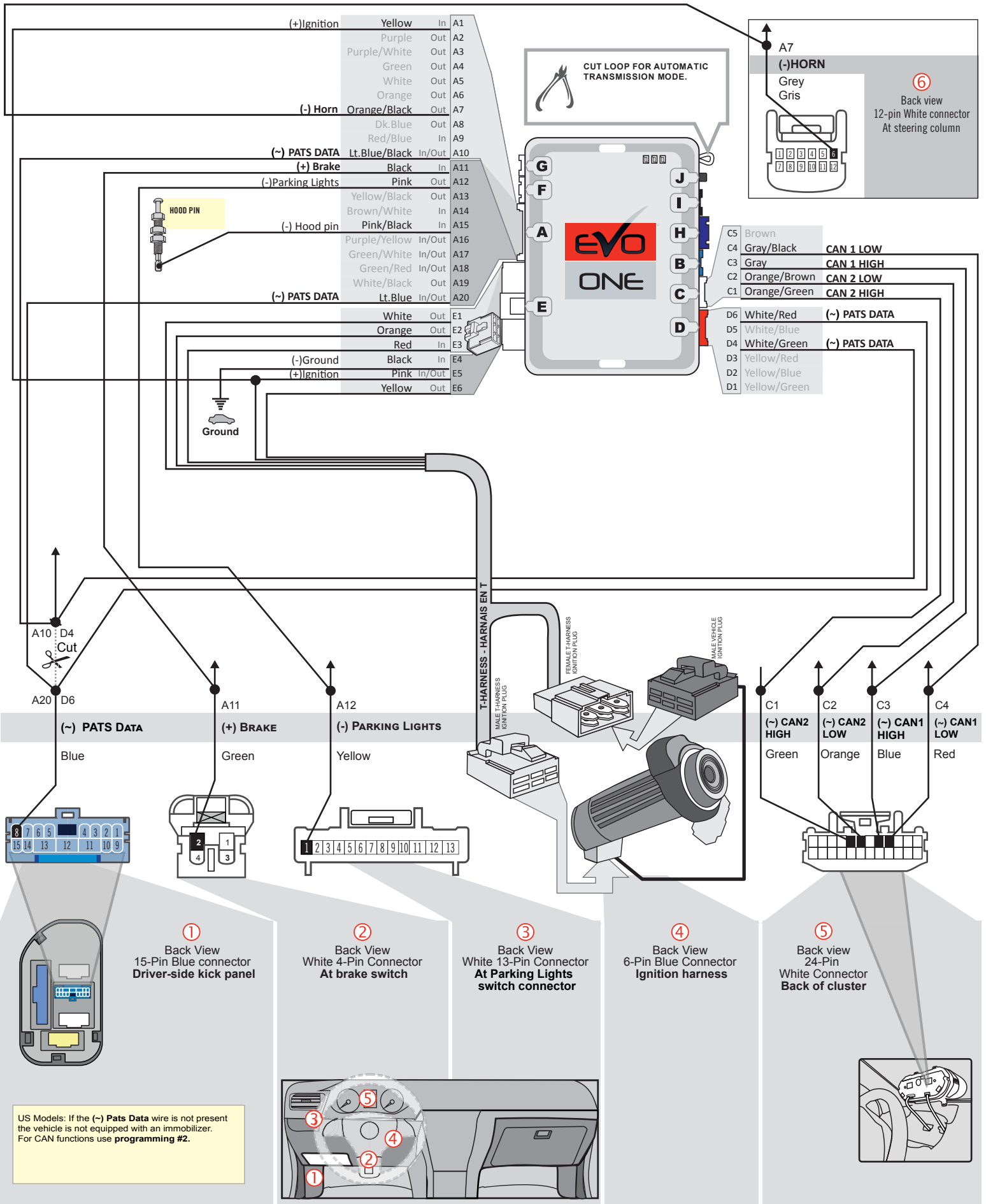
② At brake switch



① Driver-side kick panel



WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE 1/2

1

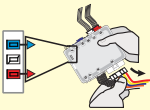
Press and hold the programming button:

Insert the 6-Pin Main connector.

2

Release the programming button when the **YELLOW LED** is ON.

If the **YELLOW LED** is not ON solid **disconnect** the 6-Pin Main connector and go **back** to step 1.



3

Insert the required remaining connectors.

4

Turn the Ignition to the ON/RUN position.

↳ The **Blue LED** will flash rapidly ten (x10) times. Door locks are programmed.

↳ The **RED LED** will flash rapidly ten times (x10) times. Foot-brake and tach programmed.

Wait

↳ When the **RED** and the **YELLOW LED** turn ON:

Turn the Ignition to the OFF position.

5 This process may take up to 5 minutes

Turn the Ignition to the ON/RUN position.

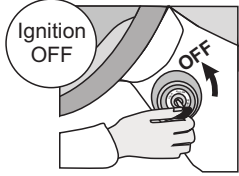
↳ The **RED, BLUE** and the **YELLOW LEDs** are ON: programming process started.

↳ The LEDs slowly alternate between **RED, BLUE** and **YELLOW**: processing...

↳ When the **YELLOW LED** begins to flash rapidly: The key bypass programmed.

KEY BYPASS PROGRAMMING PROCEDURE 2/2

6



Turn the Ignition to the OFF position.

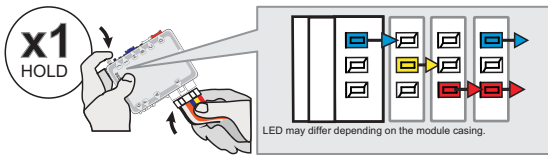


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE

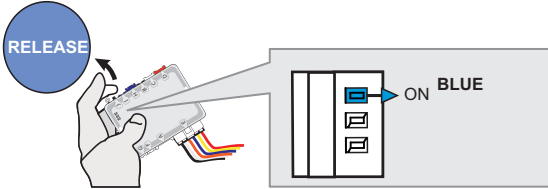
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

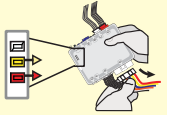
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

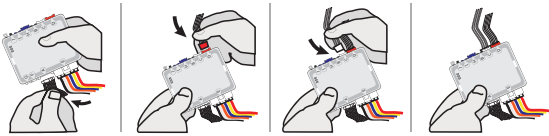


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

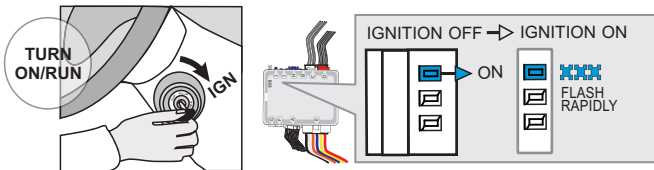


3



Insert the required remaining connectors.

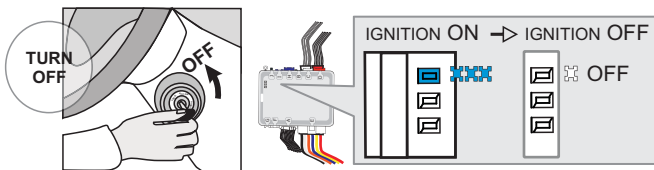
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

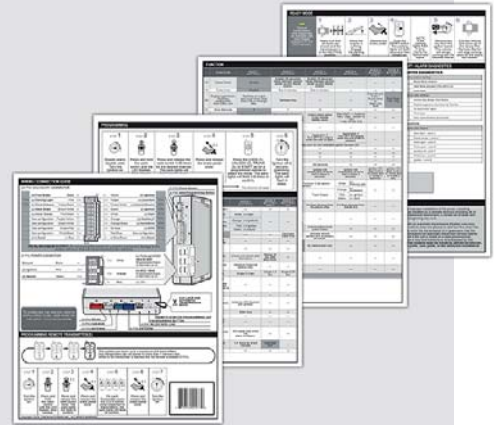


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)															
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring*
HYUNDAI Tucson	2017-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[43]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option:	UNIT OPTION	DESCRIPTION
		A2	OFF
			Trunk Release

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

NOTES

*OEM Remote monitoring

The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*HOOD PIN

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

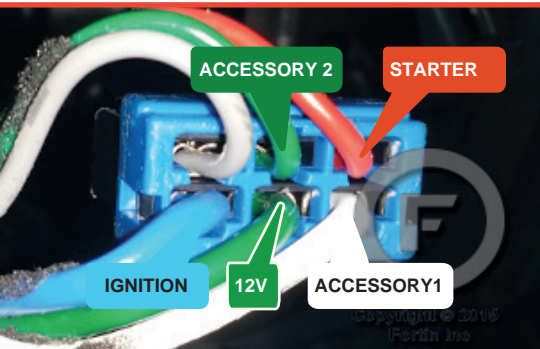
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

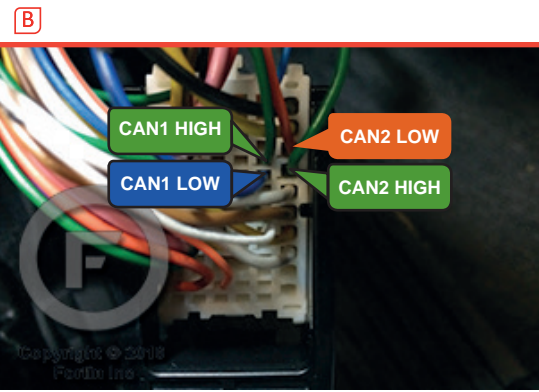
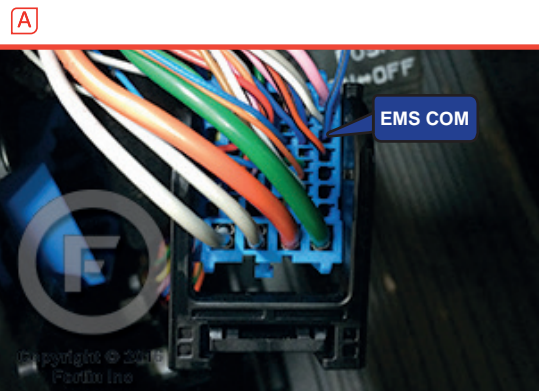
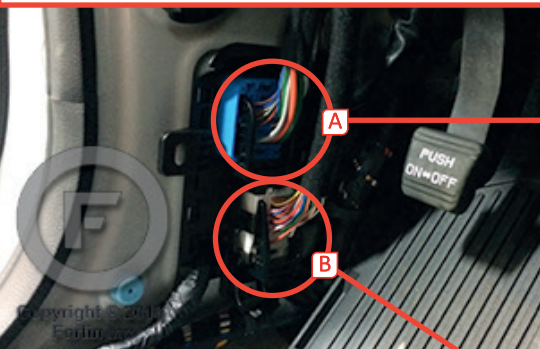
③ Steering column.



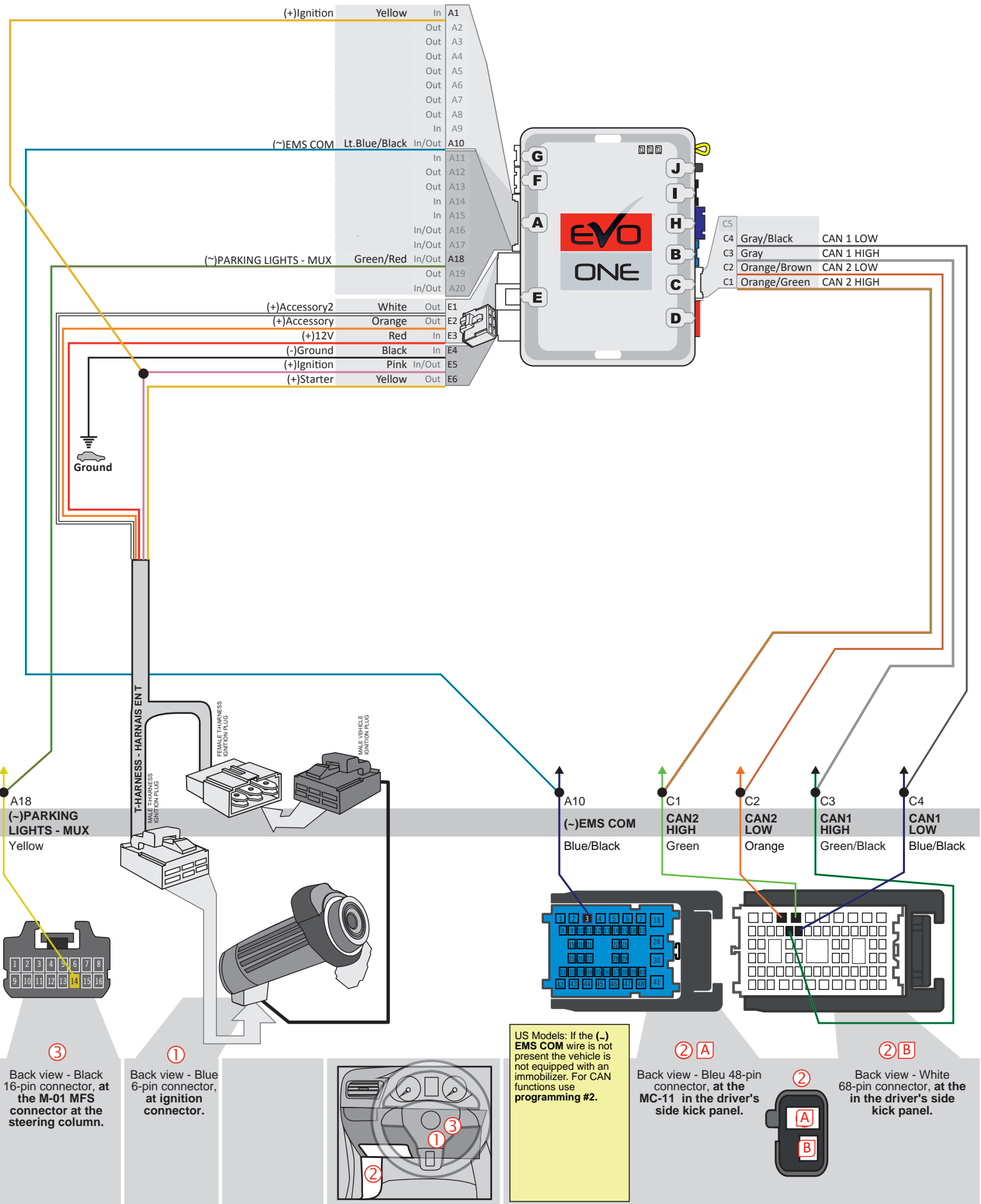
① Ignition connector



② In the driver's side kick panel

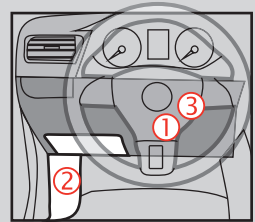


WIRING CONNECTION



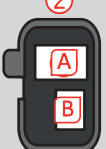
③ Back view - Black 16-pin connector, at the M-01 MFS connector at the steering column.

① Back view - Blue 6-pin connector, at ignition connector.



US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

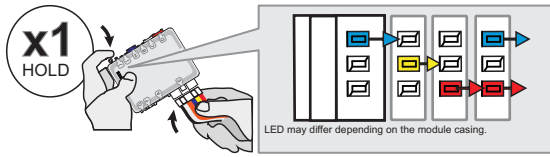
② A Back view - Bleu 48-pin connector, at the MC-11 in the driver's side kick panel.



② B Back view - White 68-pin connector, at the in the driver's side kick panel.

KEY BYPASS PROGRAMMING PROCEDURE |

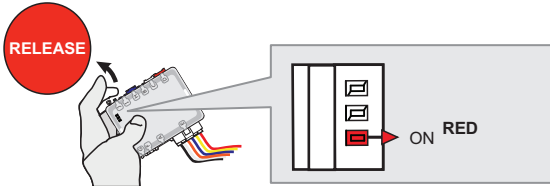
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

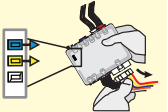
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

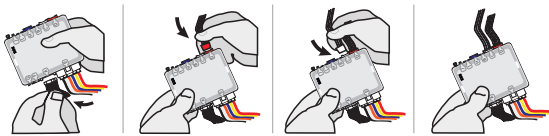


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

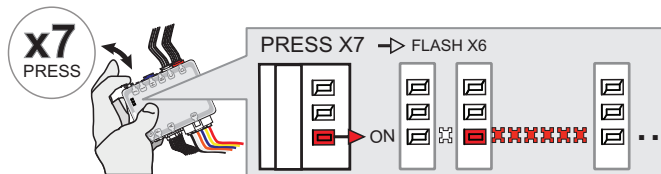


3



Insert the required remaining connectors.

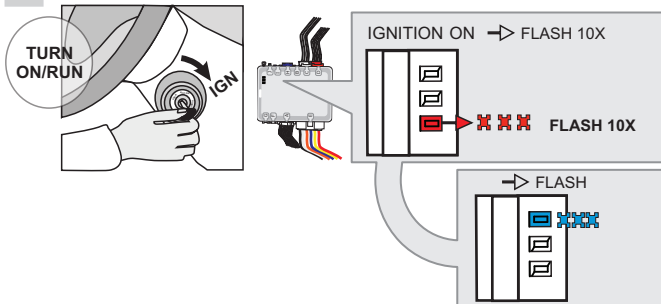
4



Press and release the programming button seven (7x) times.

↳ The RED LED will flash 6 times each second.

5

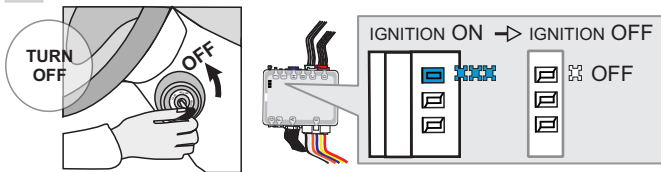


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
 Key bypass programmed.

↳ The BLUE LED will flash rapidly.
 CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

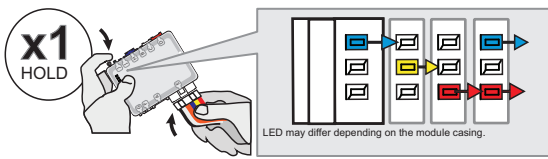


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

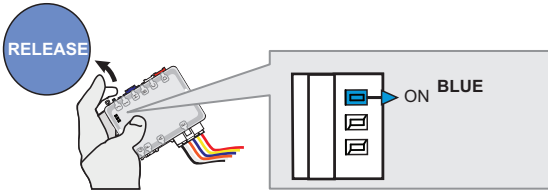
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

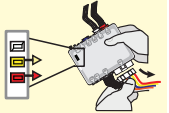
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

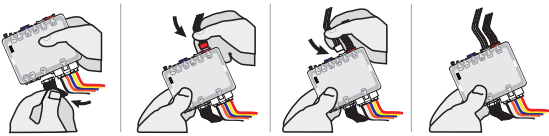


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

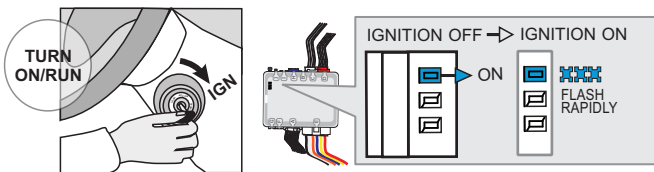


3



Insert the required remaining connectors.

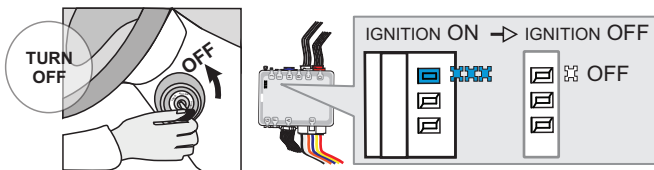
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

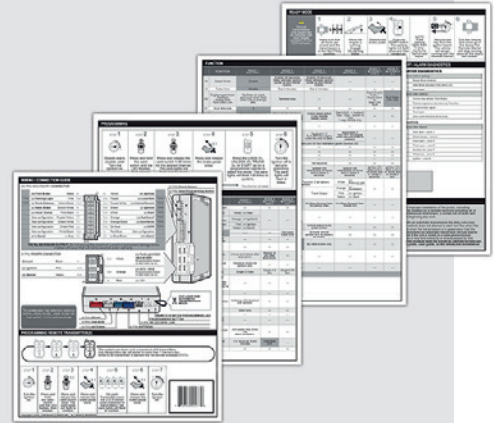


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNSS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring	R.S. OEM remote Stand Alone compatible
HYUNDAI																		
Tucson	2019-2021	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option:	UNIT OPTION	DESCRIPTION
		A2	OFF Trunk Release

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	OFF Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



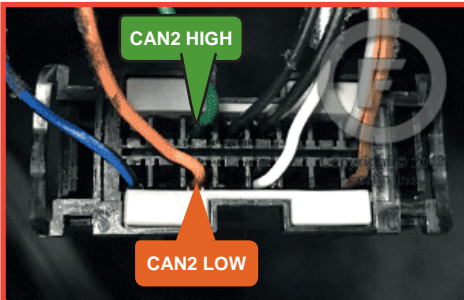
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

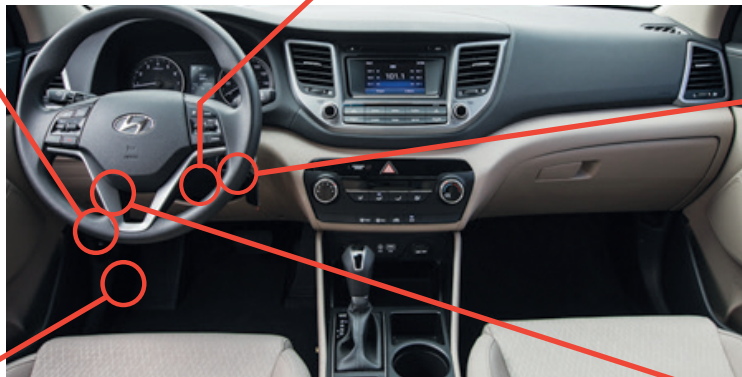
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

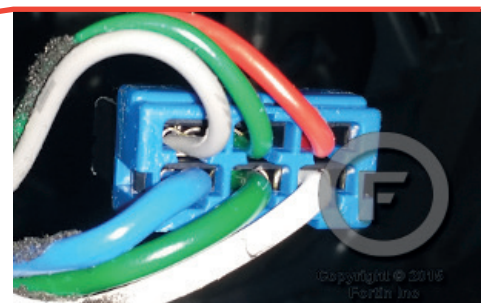
④ OBDII connector



③ Steering column.



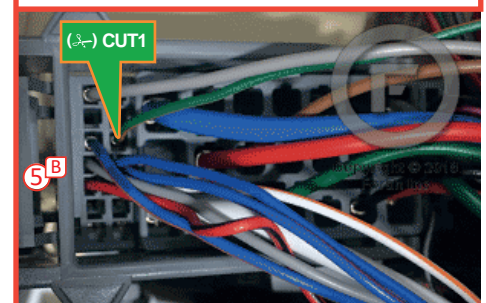
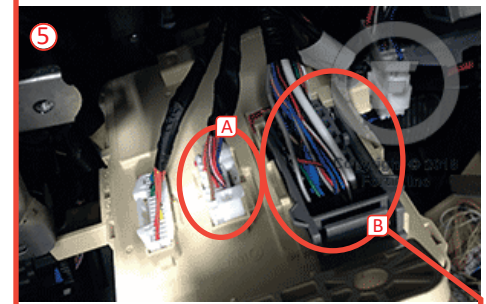
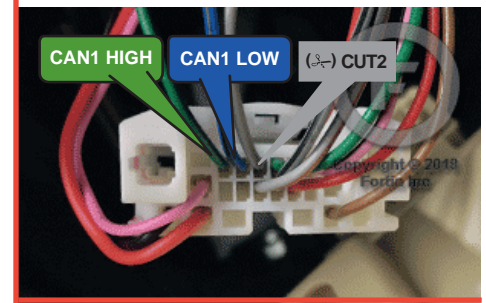
① Ignition connector



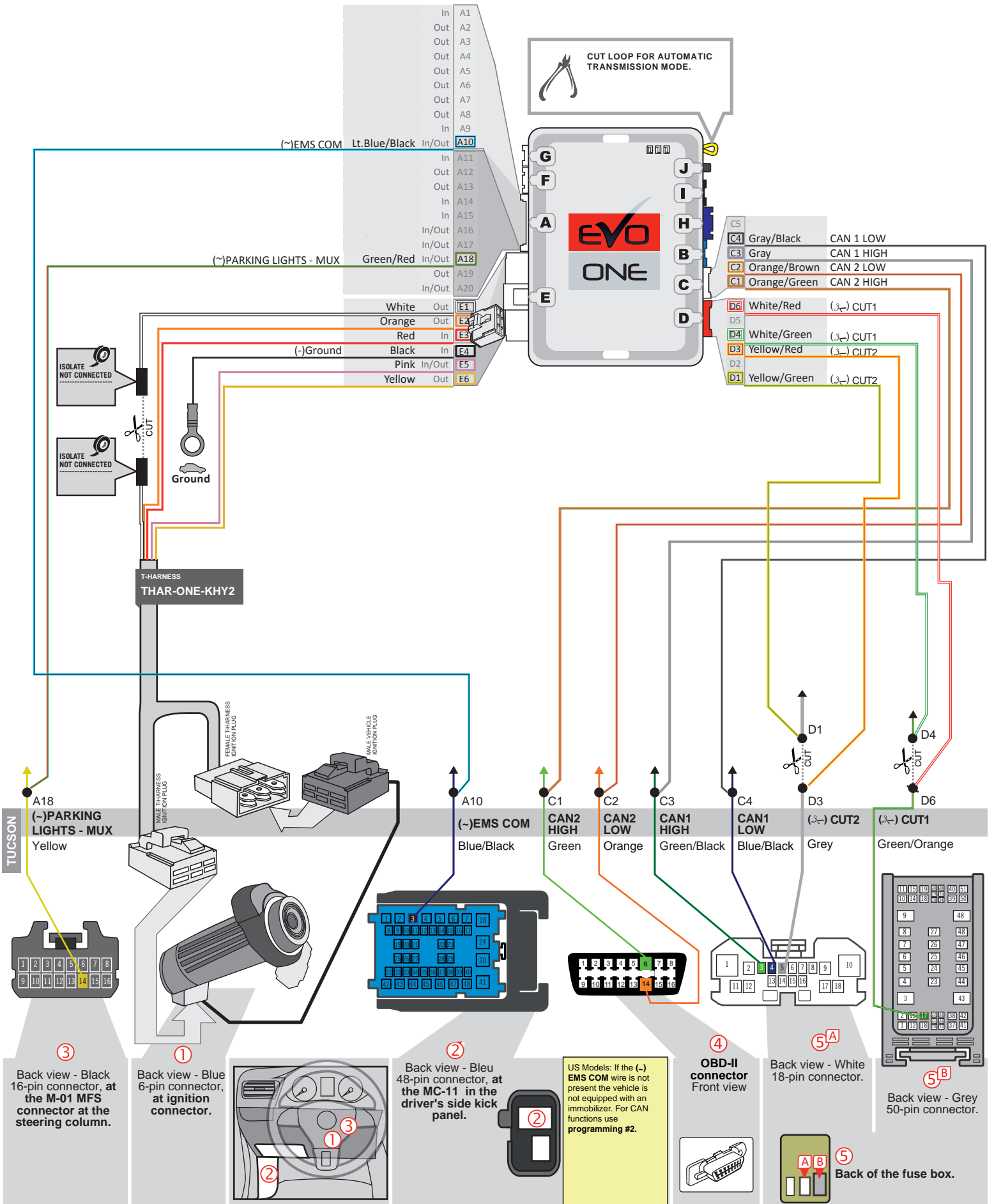
② In the driver's side kick panel



⑤A Back of the fuse box

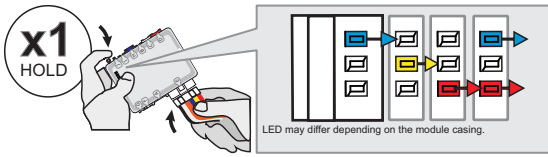


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE |

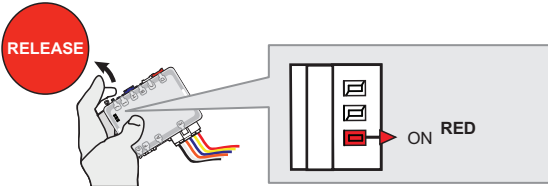
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

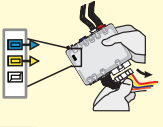
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

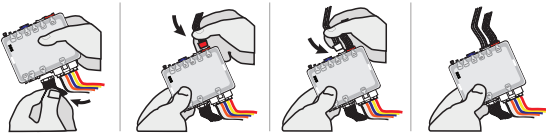


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

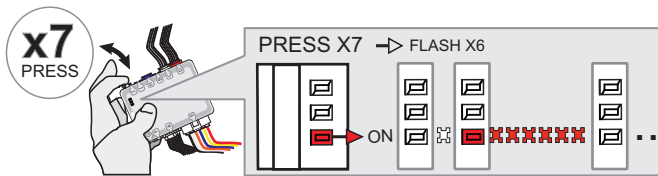


3



Insert the required remaining connectors.

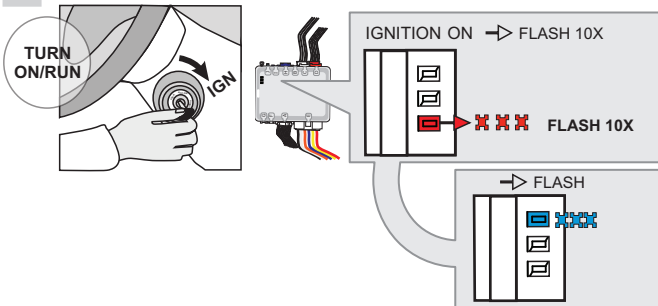
4



Press and release the programming button seven (7x) times.

↳ The RED LED will flash 6 times each second.

5

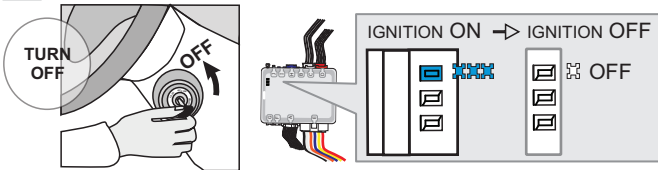


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
 Key bypass programmed.

↳ The BLUE LED will flash rapidly.
 CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

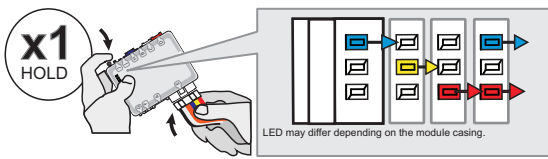


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

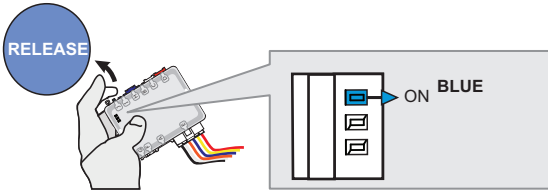
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

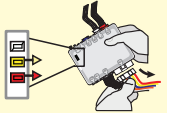
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

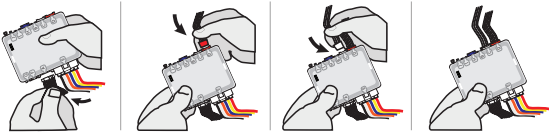


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

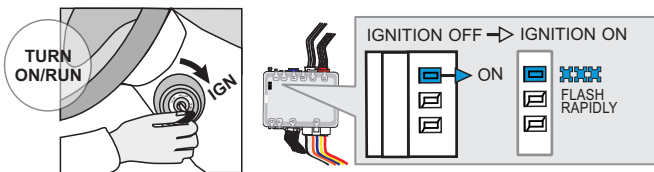


3



Insert the required remaining connectors.

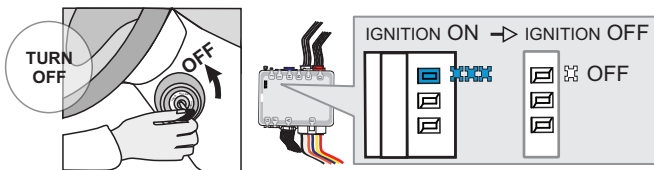
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

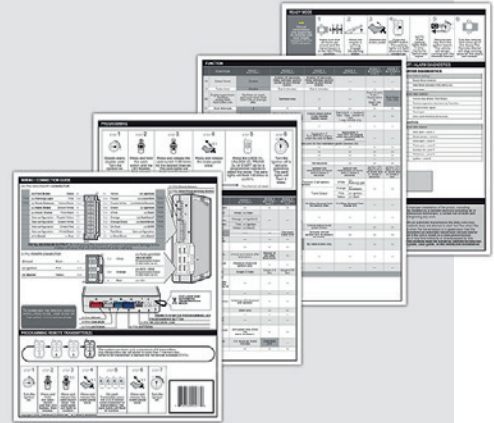


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.




Press the brake pedal.




The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE		Vehicle functions supported in this diagram (functional if equipped).														
VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	Horn	Parking Lights	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*
																
HYUNDAI																
Veloster	2015-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•




BYPASS FIRMWARE VERSION

76.[59]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		32	5	D.k Blue (Ground Out): Arm / Rearm

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER

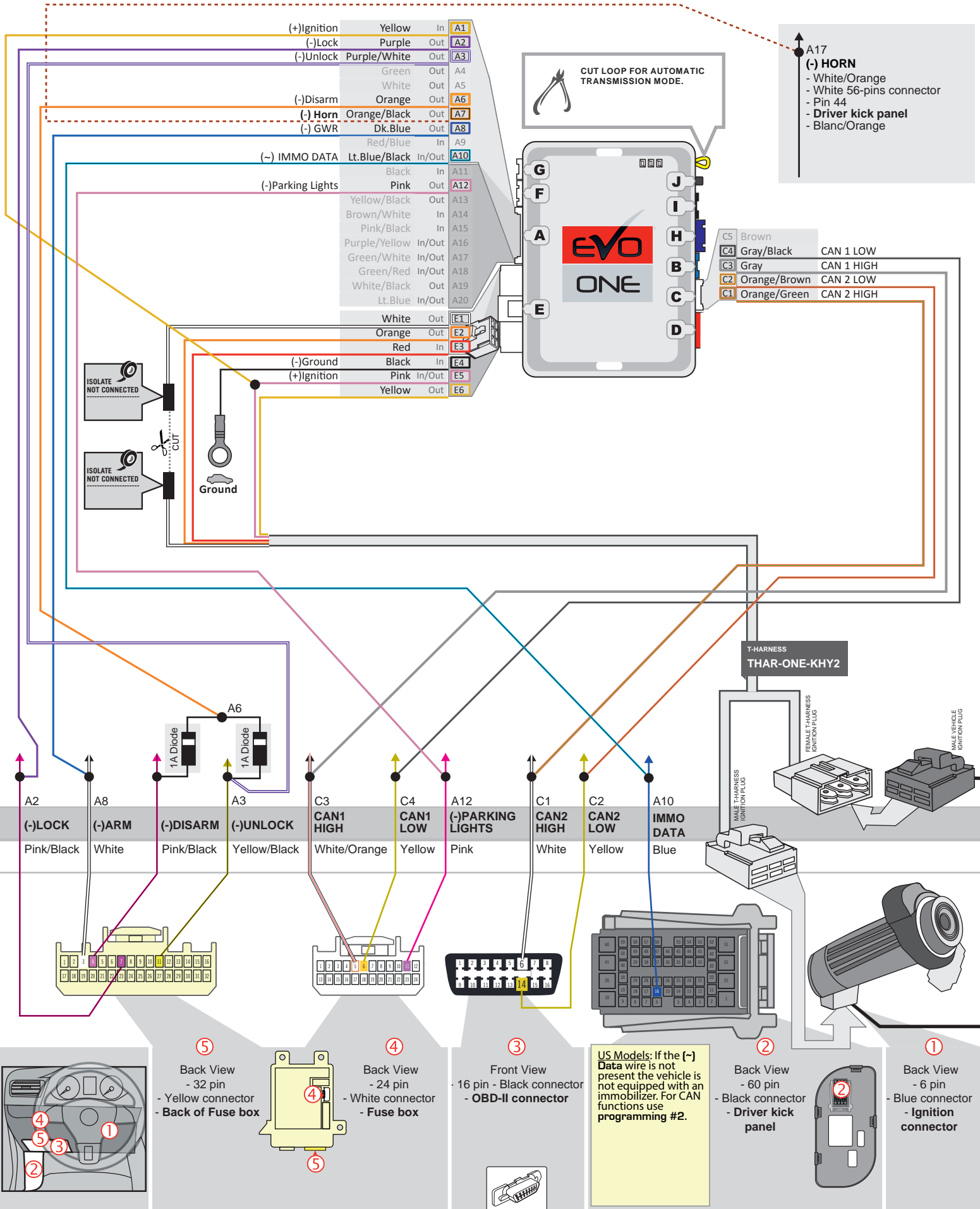


Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

WIRING CONNECTION



CUT LOOP FOR AUTOMATIC TRANSMISSION MODE.

A17
 (-) HORN
 - White/Orange
 - White 56-pins connector
 - Pin 44
 - Driver kick panel
 - Blanc/Orange

C5 Brown
 C4 Gray/Black CAN 1 LOW
 C3 Gray CAN 1 HIGH
 C2 Orange/Brown CAN 2 LOW
 C1 Orange/Green CAN 2 HIGH

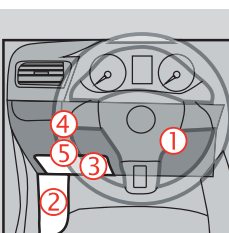
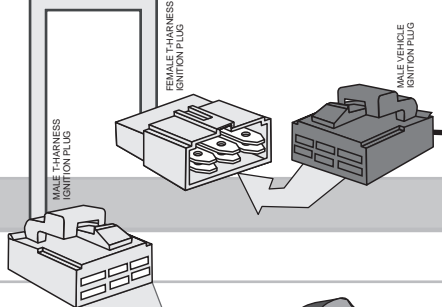
ISOLATE NOT CONNECTED

CUT

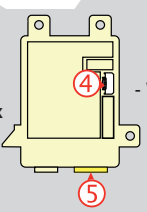
ISOLATE NOT CONNECTED

Ground

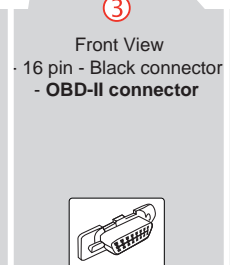
T-HARNESS THAR-ONE-KHY2



⑤ Back View - 32 pin - Yellow connector - Back of Fuse box

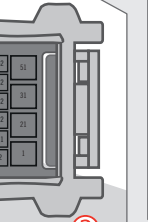


④ Back View - 24 pin - White connector - Fuse box

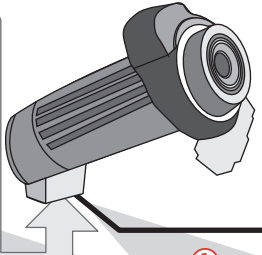


③ Front View - 16 pin - Black connector - OBD-II connector

US Models: If the (-) Data wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.



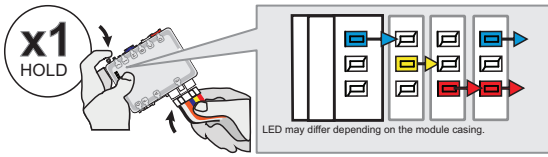
② Back View - 60 pin - Black connector - Driver kick panel



① Back View - 6 pin - Blue connector - Ignition connector

KEY BYPASS PROGRAMMING PROCEDURE |

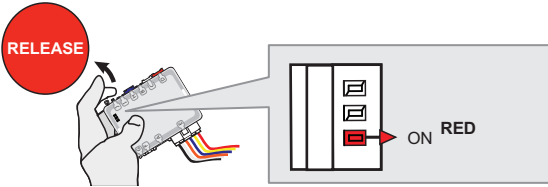
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

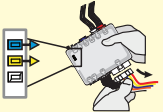
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

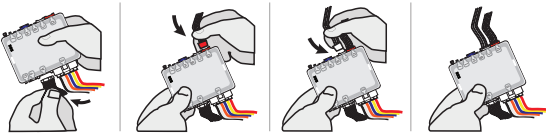


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

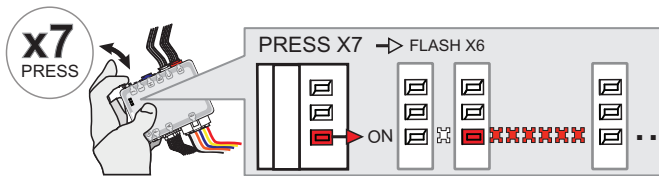


3



Insert the required remaining connectors.

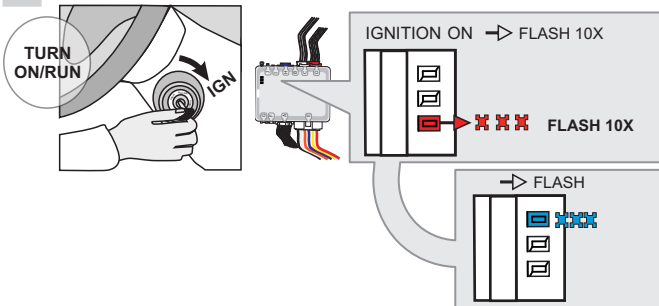
4



Press and release the programming button seven (7x) times.

↳ The RED LED will flash 6 times each second.

5

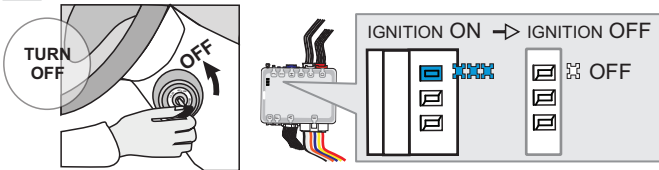


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
 Key bypass programmed.

↳ The BLUE LED will flash rapidly.
 CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

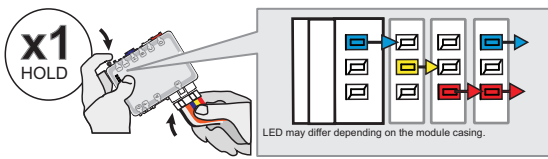


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

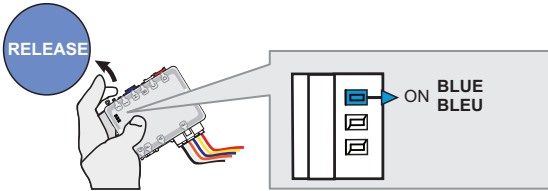
1



**Press and hold the programming button:
Insert the 6-Pin Main connector.**

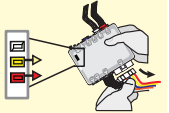
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

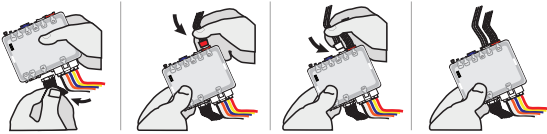


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

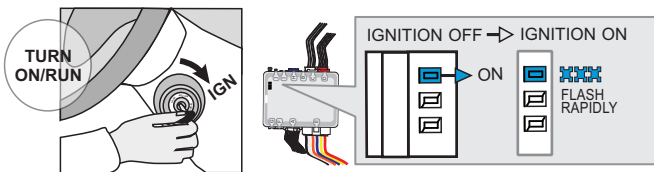


3



Insert the required remaining connectors.

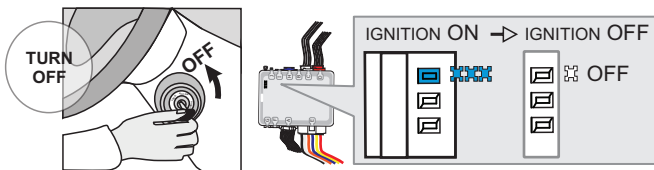
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

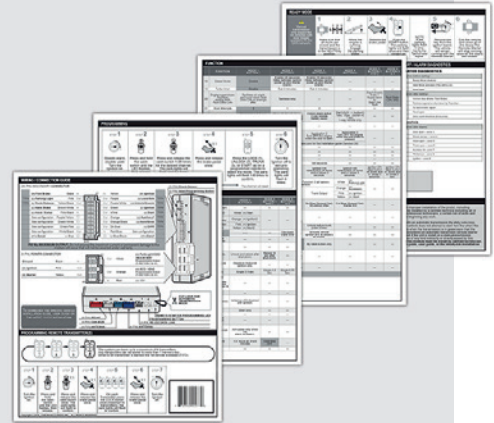


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped).																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**
HYUNDAI																		
Veloster	2019	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring
	IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	A11	OFF
			Hood trigger (Output Status).

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

NOTES

**OEM Remote monitoring The vehicles OEM remote will be operable when the engine is running.

MANDATORY INSTALL

*** HOOD PIN** **HOOD STATUS** : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

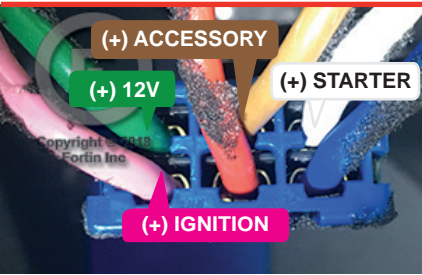
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

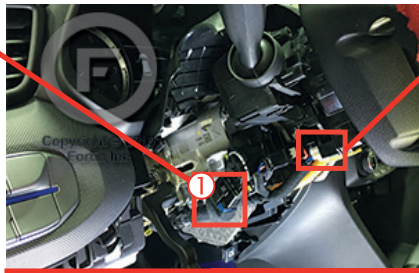
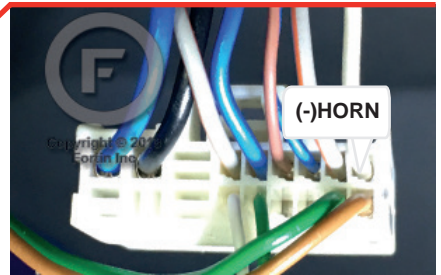
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

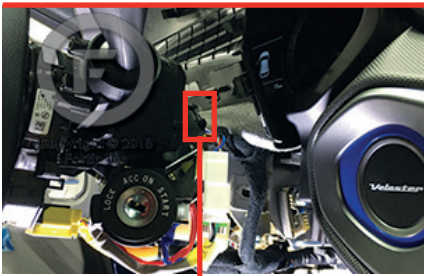
① At Ignition Connector



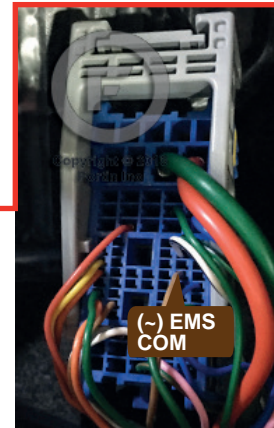
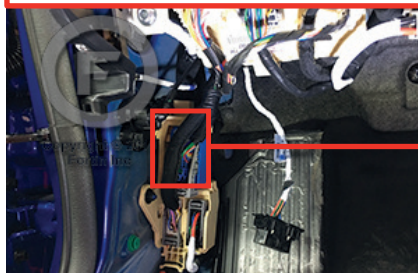
⑦ At horn switch



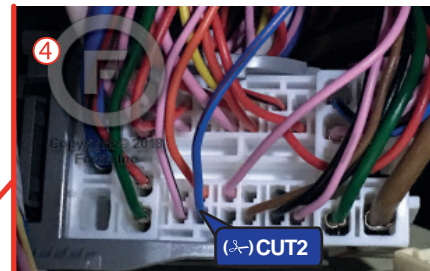
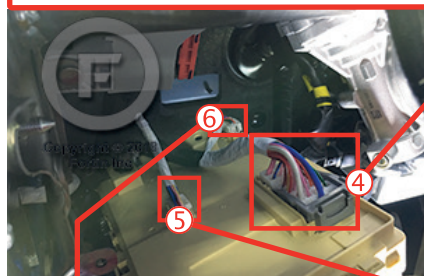
③ Under the wiper switch



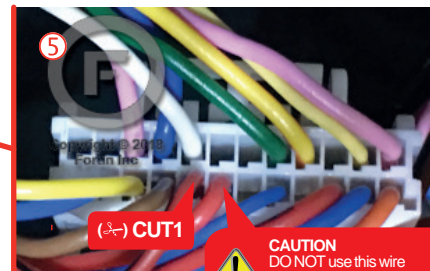
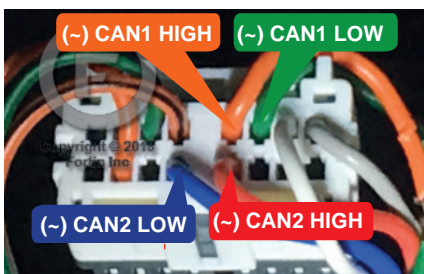
② In the driver's side kick panel



At back of fuse box

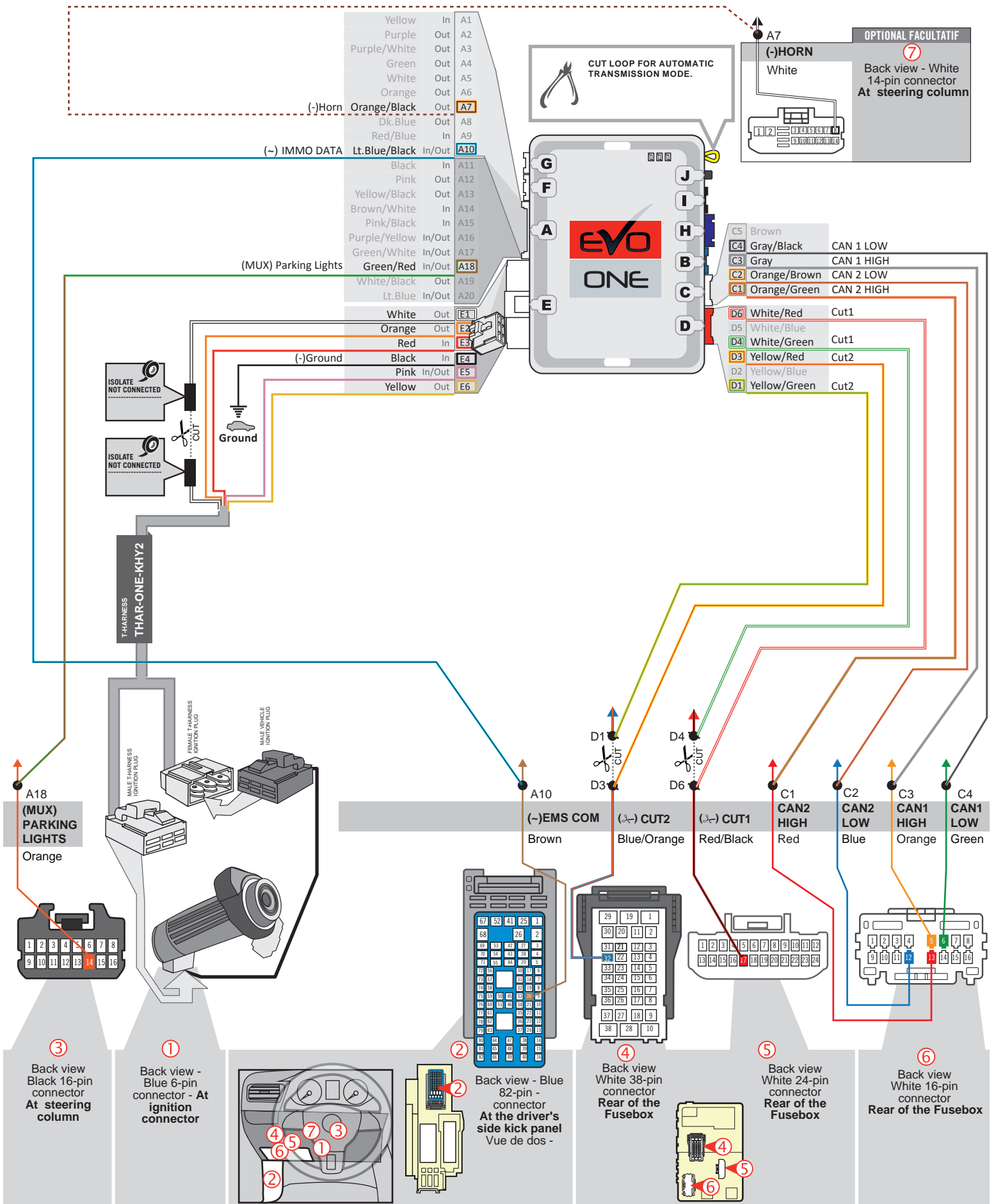


⑥



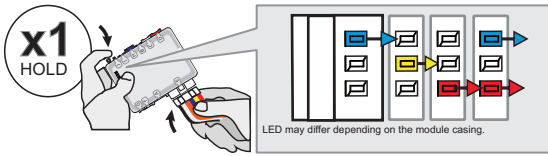
CAUTION
DO NOT use this wire

WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

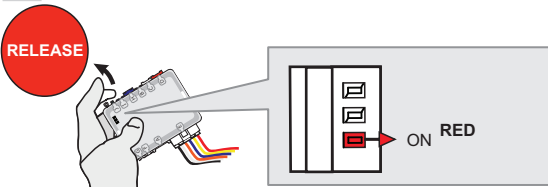
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

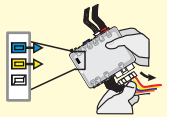
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

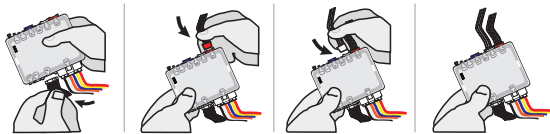


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

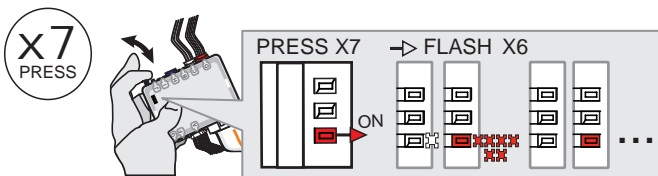


3



Insert the required remaining connectors.

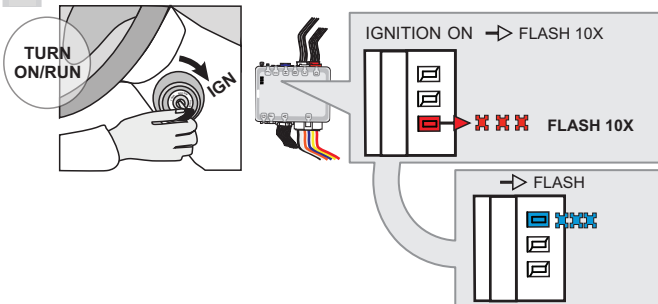
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

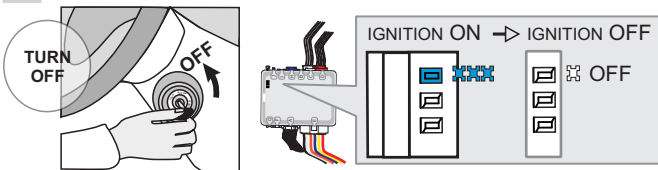


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

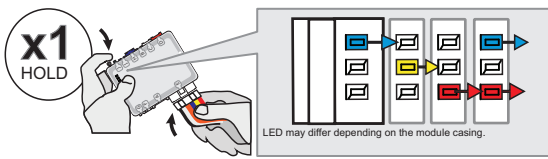


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

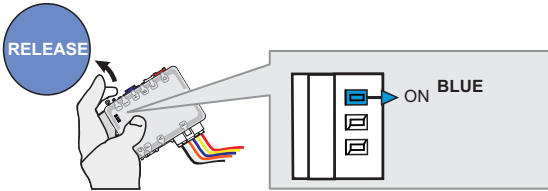
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

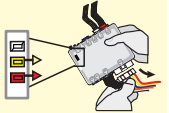
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

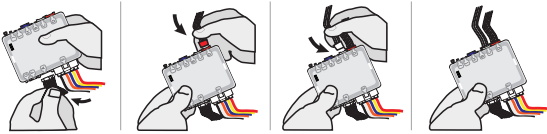


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

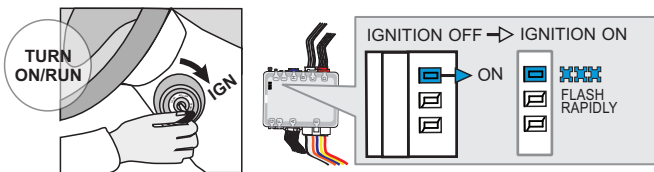


3



Insert the required remaining connectors.

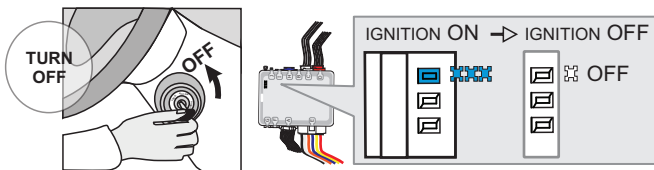
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

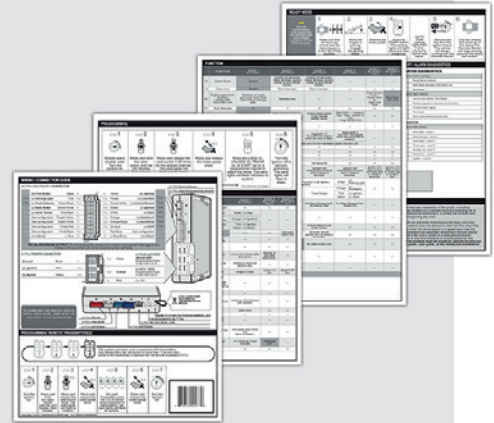


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped).



VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Tachometer	Horn	Parking Lights	Hand-Brake Status	Foot-Brake Status	Hood Status
HYUNDAI													
Accent	2015-2016	•	•	•	•	•	•	•	•	•	•	•	•
	N Key 2017	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[43]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

AUTOMATIC TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

MANUAL TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER



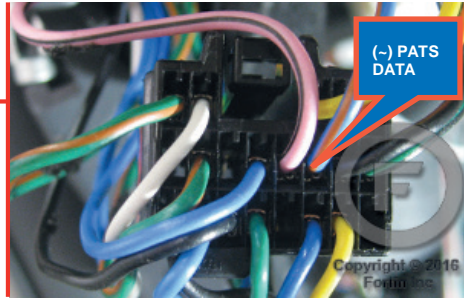
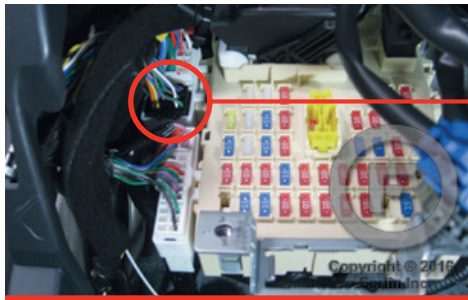
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

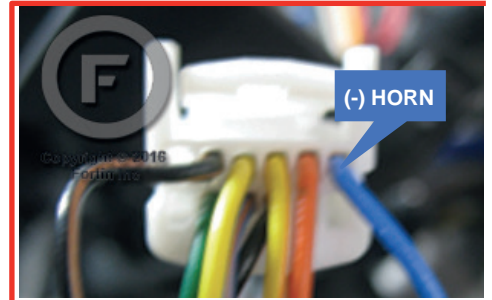
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

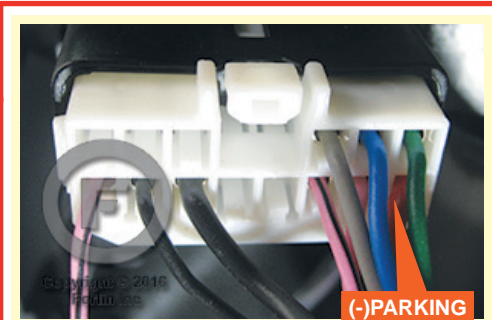
① Left of Junction box



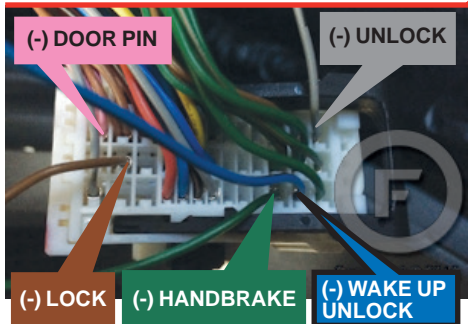
⑦ At steering column



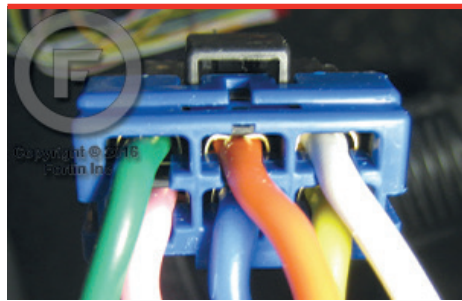
③ Parking Lights Harness



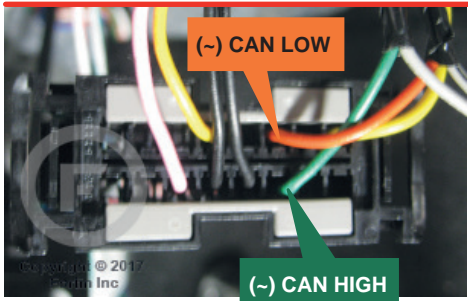
⑥ At Driver Kick Panel



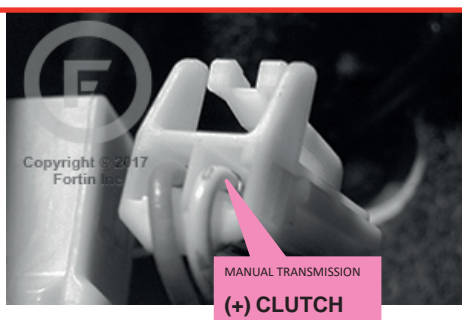
② Ignition harness



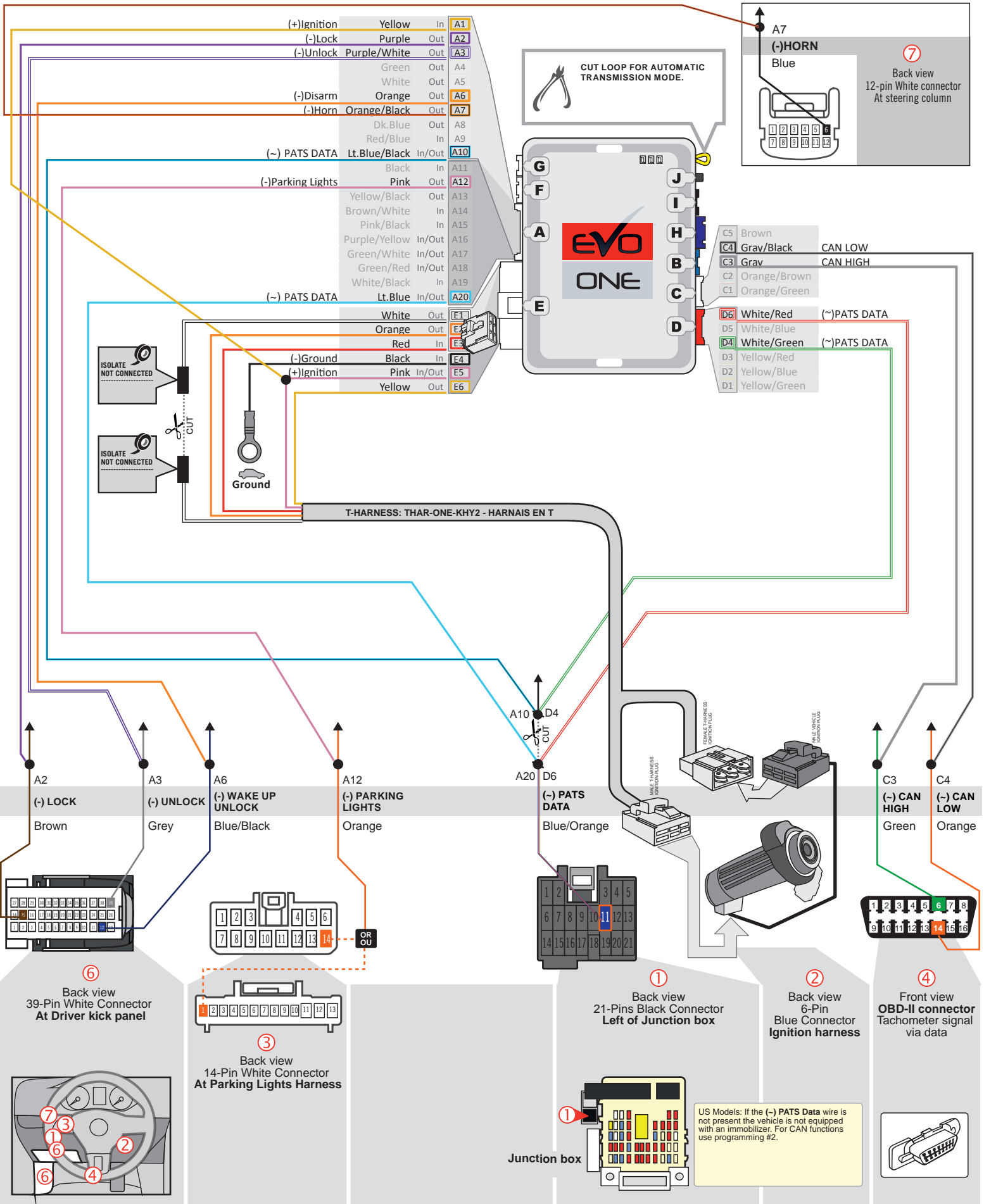
④ OBD-II Connector



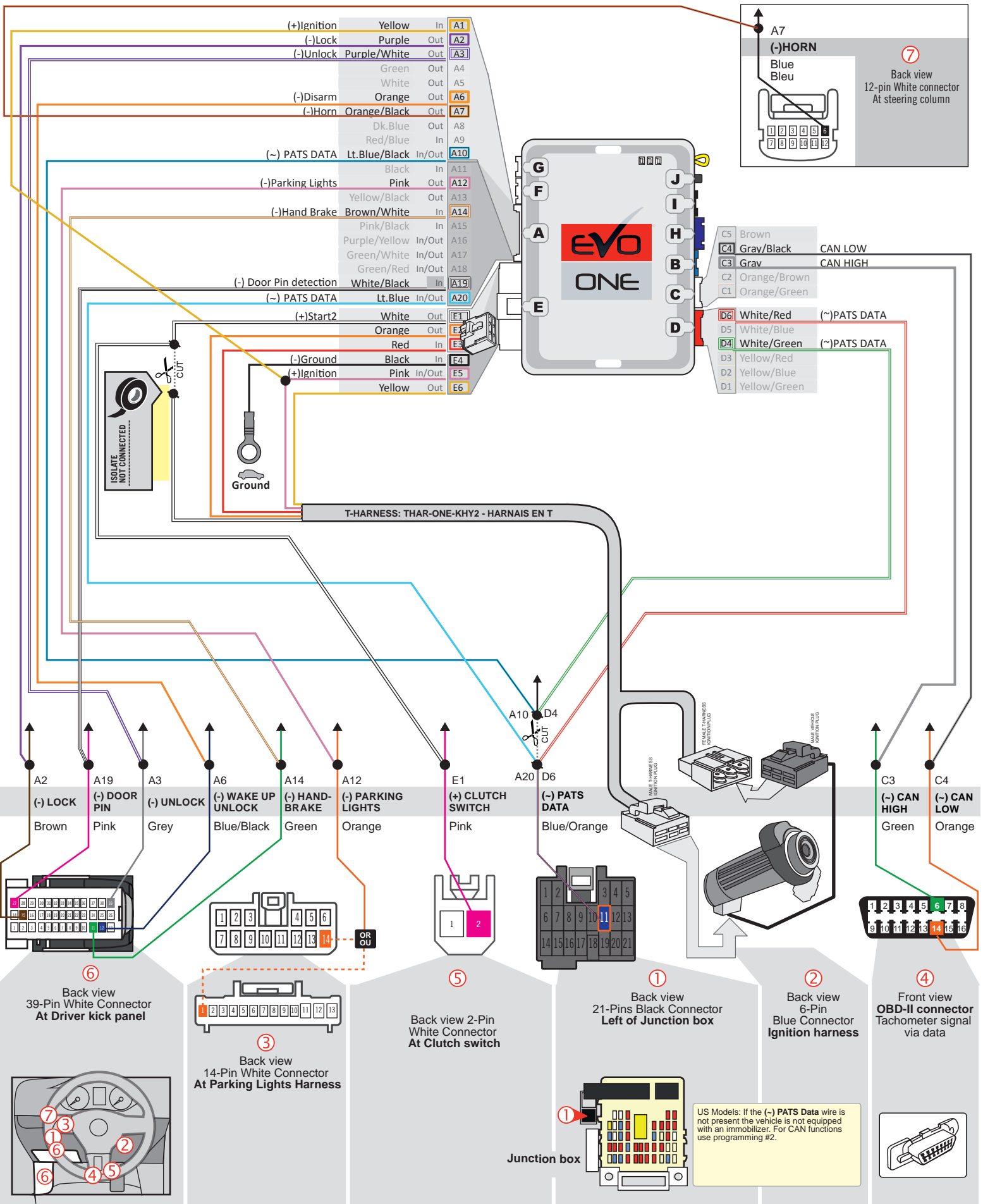
⑤ At Clutch switch



AUTOMATIC TRANSMISSION WIRING CONNECTION

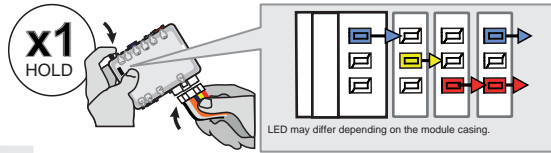


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

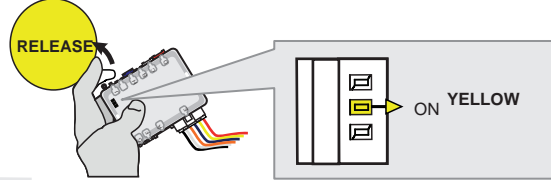
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

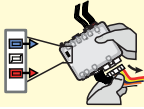
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

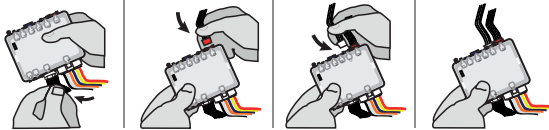


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW LED** is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

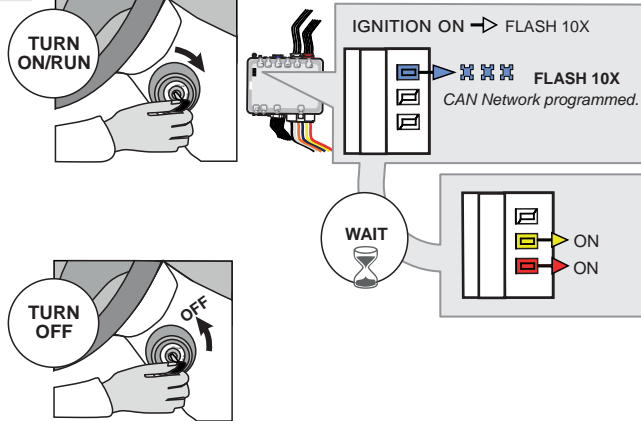


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

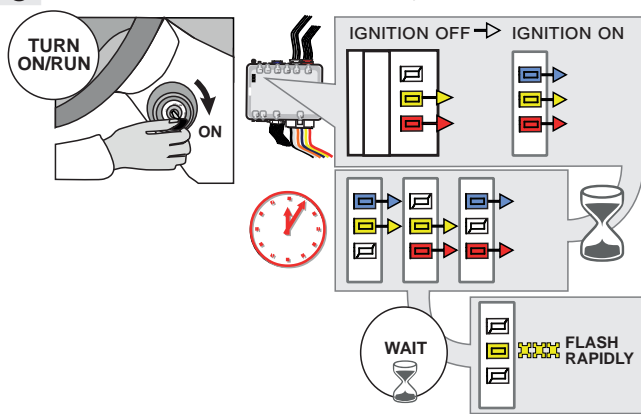
↳ The **BLUE LED** will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW LED** will turn ON:

Turn the key to the OFF position.

5



Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW LEDs** are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW LED's**: processing...

↳ When the **YELLOW LED** begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

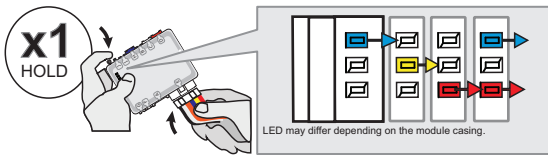


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

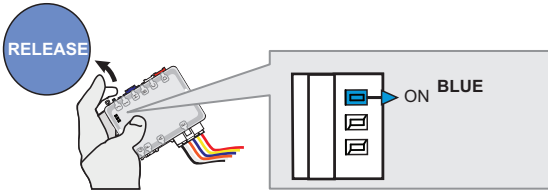
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

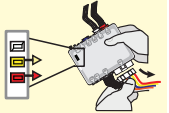
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

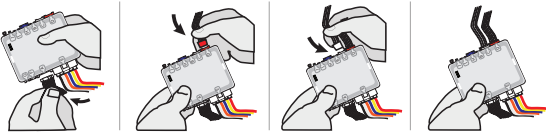


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

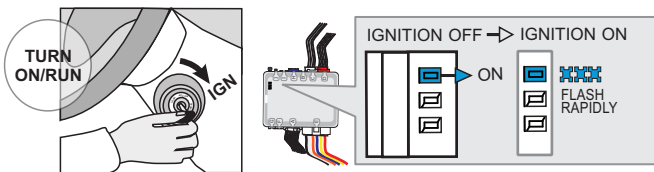


3



Insert the required remaining connectors.

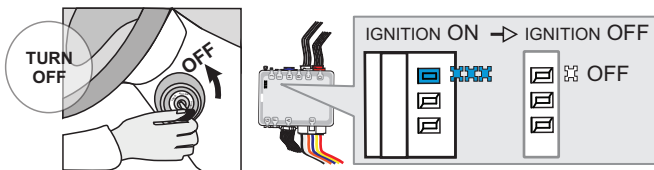
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

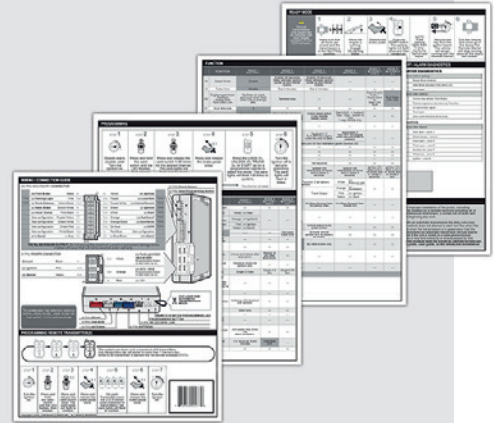


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



VEHICLE EQUIPPED WITH OEM ALARM |

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option **D2** using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.

THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)															
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	RAP Disable	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**	R. S. OEM remote Stand Alone compatible
HYUNDAI																	
Accent with keyless	2018-2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

A11

OFF

Hood trigger (Output Status).

		UNIT OPTION		DESCRIPTION
		Program bypass option:		C1

	Program remote starter option for manual transmission :	FUNCTION	MODE	DESCRIPTION
		2	3	(+ Start 2 (E1)

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

NOTES

**OEM Remote monitoring The vehicles OEM remote will be operable when the engine is running.

Parts required
1x THAR-ONE-KHY2

MANDATORY INSTALL

*HOOD PIN HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER

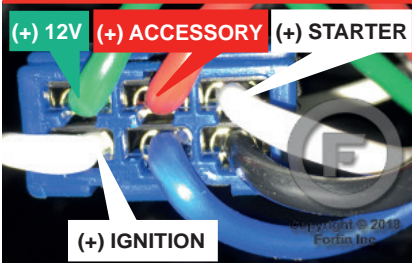
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

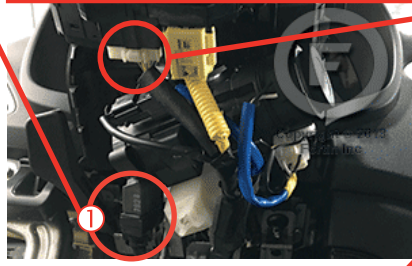
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

① At Ignition Connector



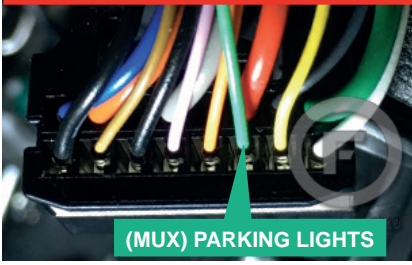
Under the wiper switch



⑨ Steering column



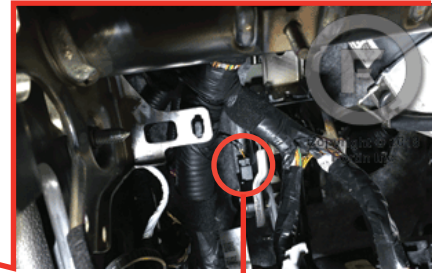
③



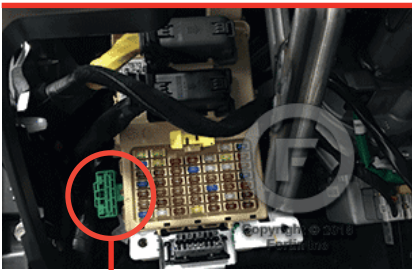
Junction connector Behind fuse Box



⑧ At clutch switch

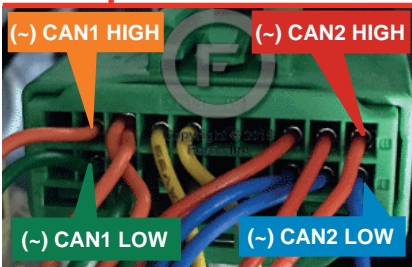
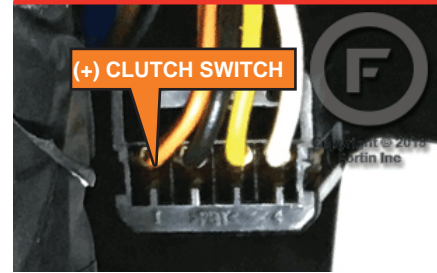
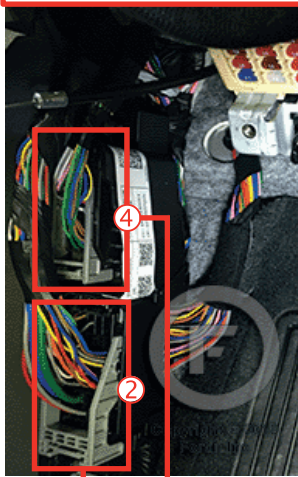


⑦



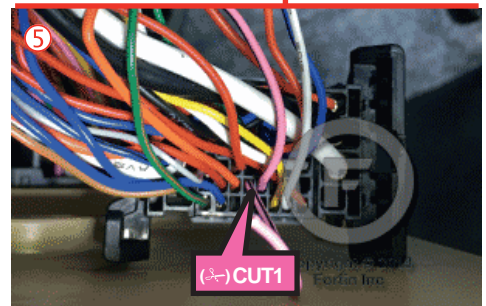
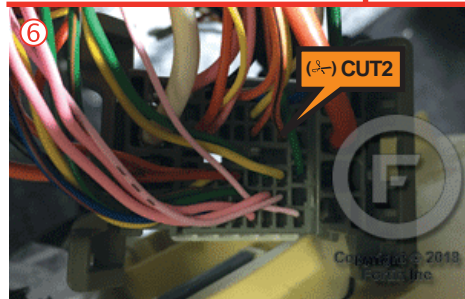
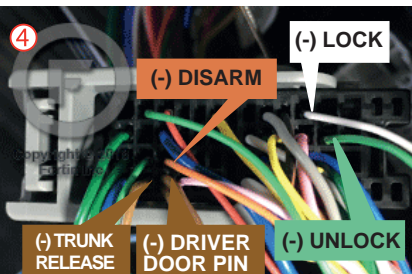
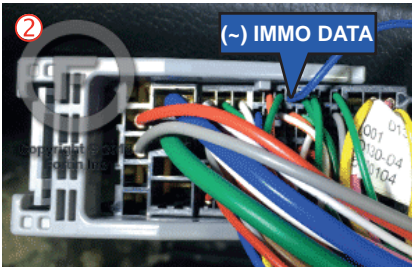
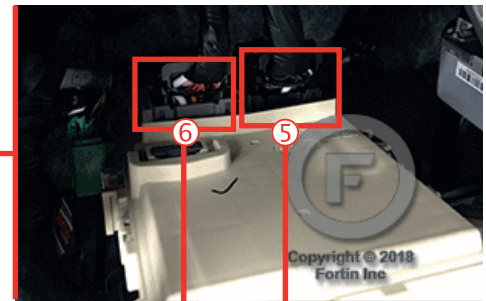
In the driver's side kick panel

② ④

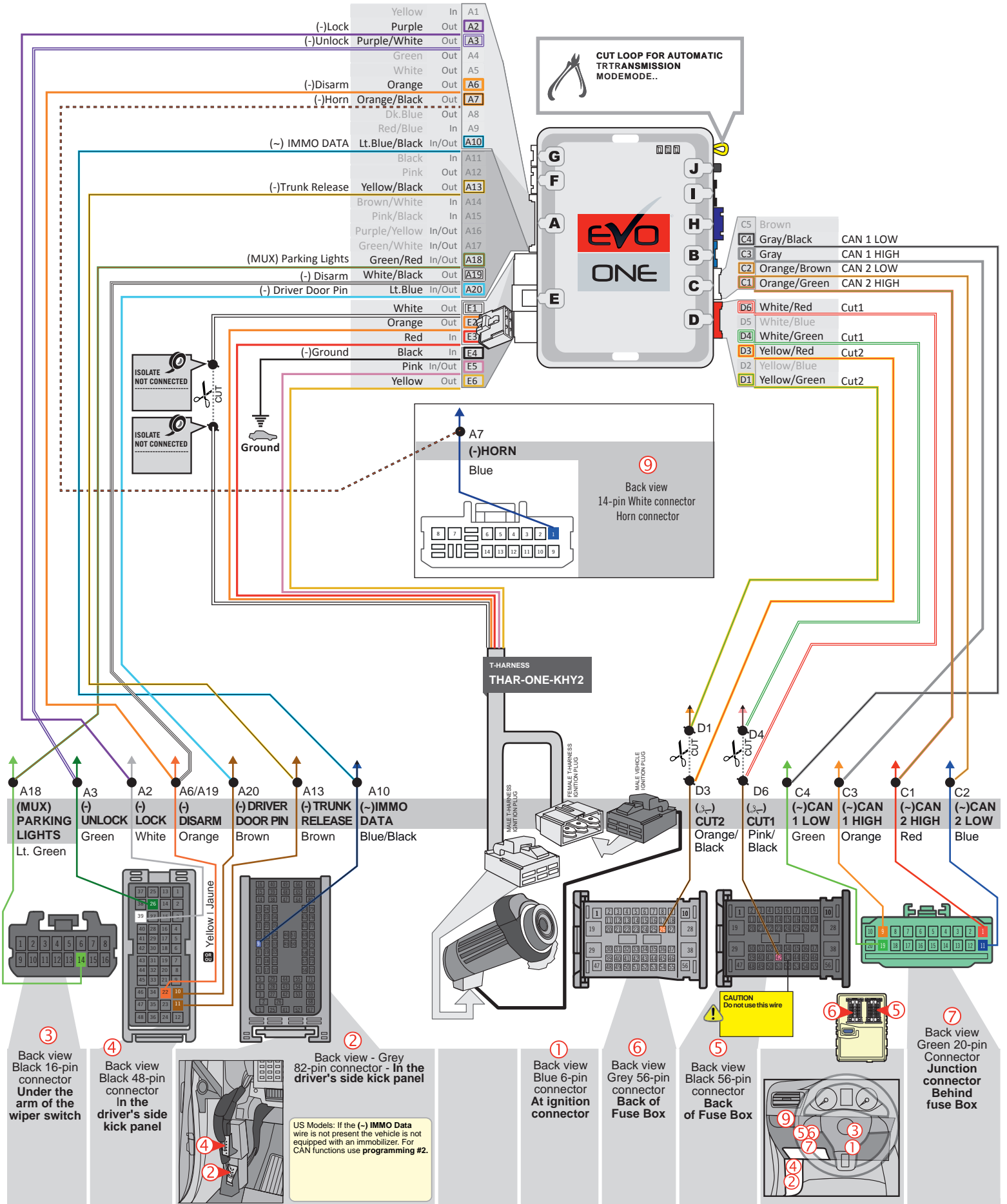


⑤ ⑥

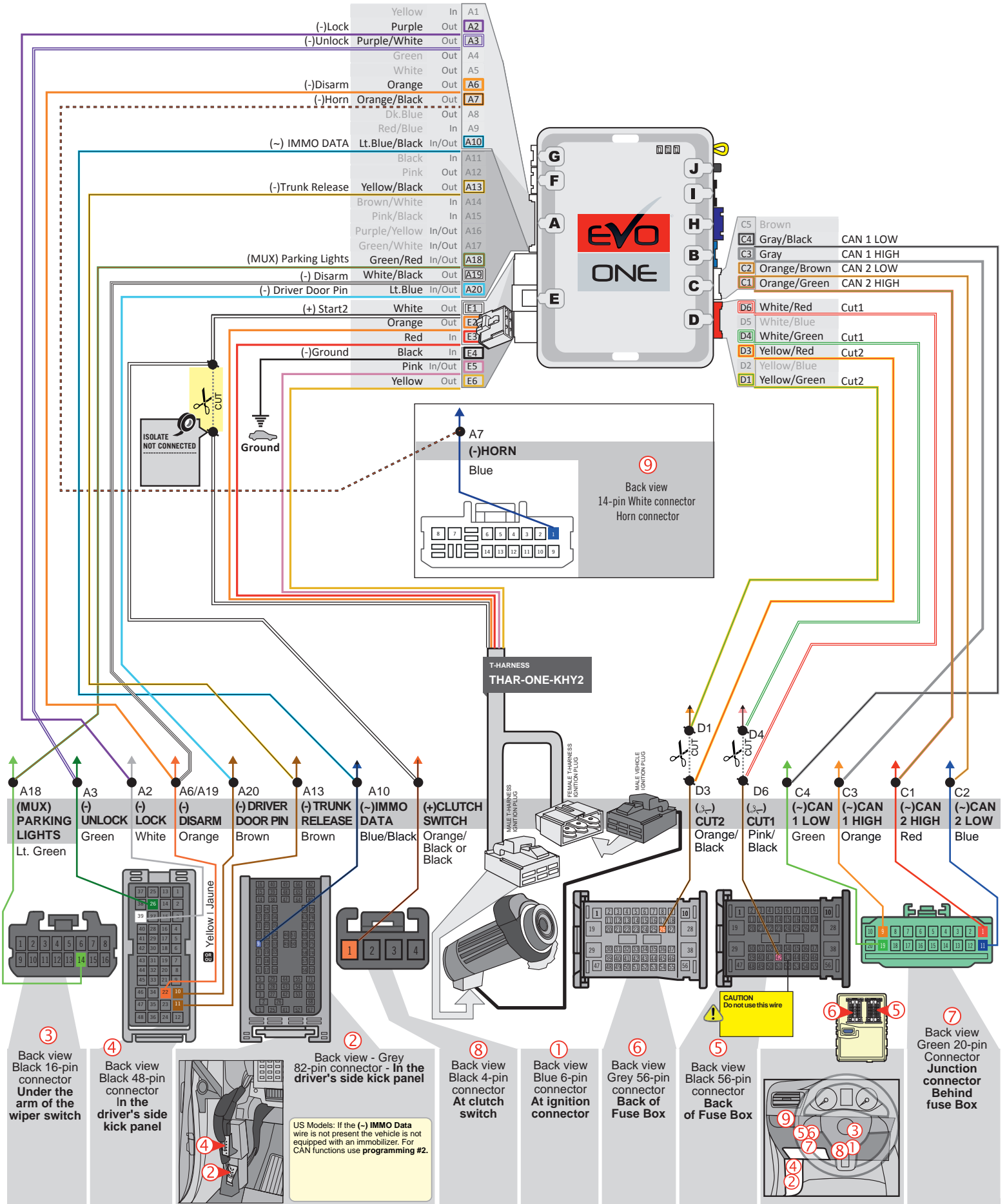
Back of Fuse Box



AUTOMATIC TRANSMISSION WIRING CONNECTION

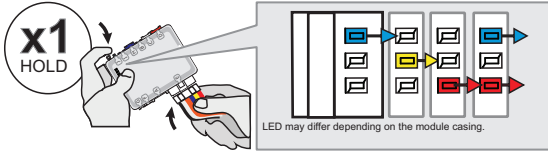


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

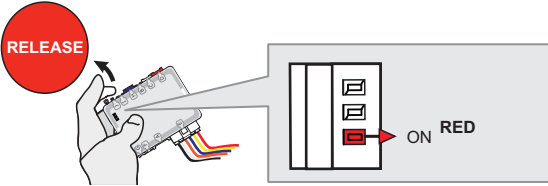
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

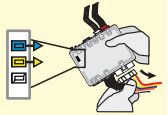
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

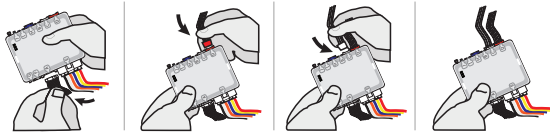


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

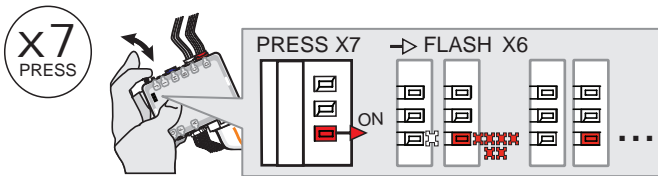


3



Insert the required remaining connectors.

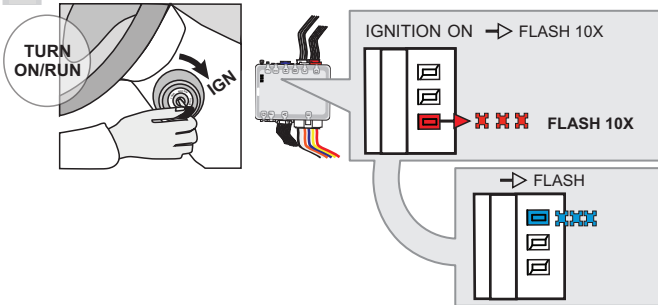
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

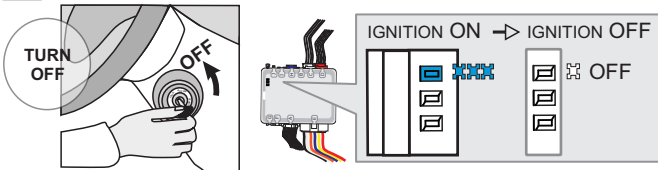


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

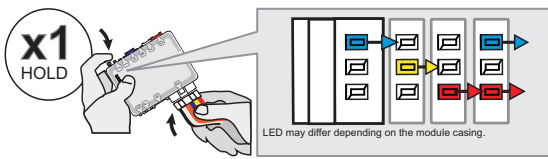


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

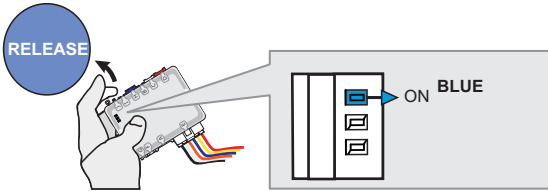
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

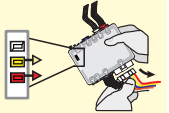
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

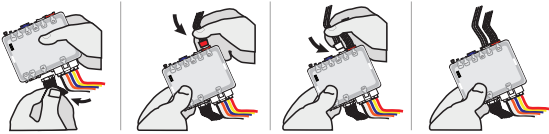


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

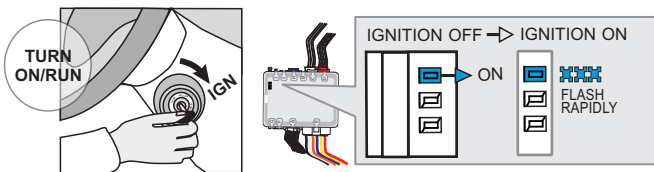


3



Insert the required remaining connectors.

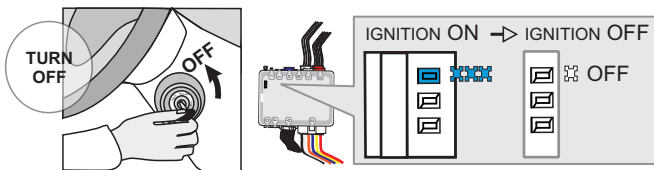
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

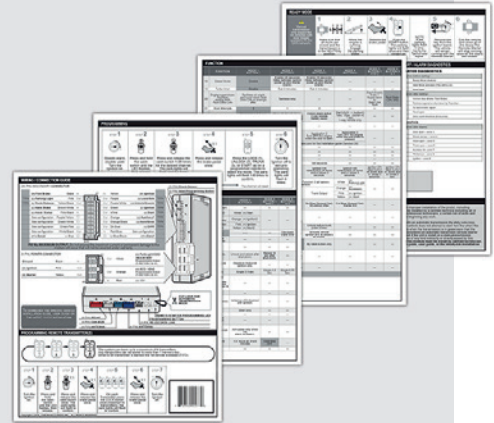


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE VEHICLES	YEARS	Vehicle functions supported in this diagram (functional if equipped)													
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	RAP Disable	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status
Accent <i>without keyless</i>	2018-2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	<div style="background-color: red; color: white; padding: 5px; display: inline-block; margin-bottom: 5px;">OFF</div> Hood trigger (Output Status).

	Program remote starter option for manual transmission :	FUNCTION	MODE	DESCRIPTION
		2	3	(+ Start 2 (E1)

Parts required

1x THAR-ONE-KHY2

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

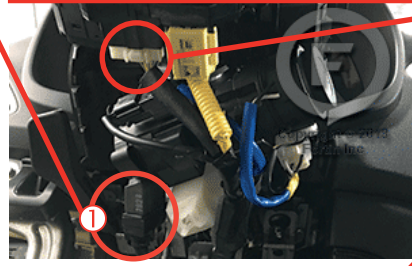
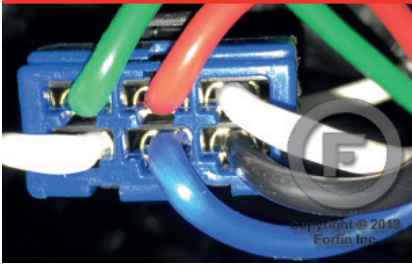
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

① At Ignition Connector



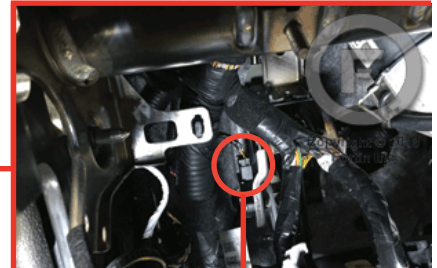
⑦ Steering column



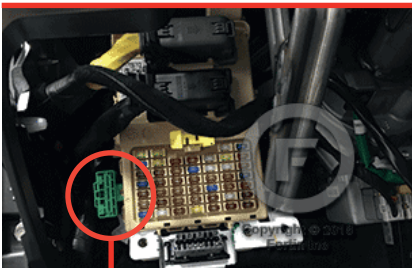
③ Under the wiper switch



⑥ At clutch switch

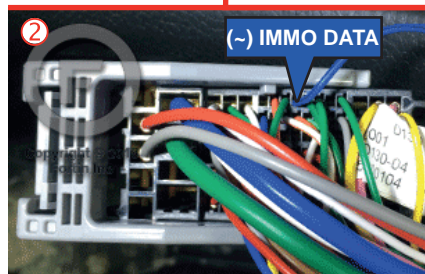
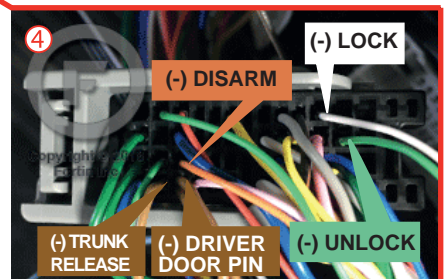
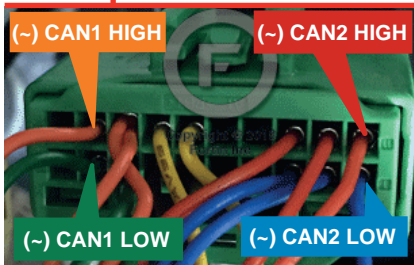
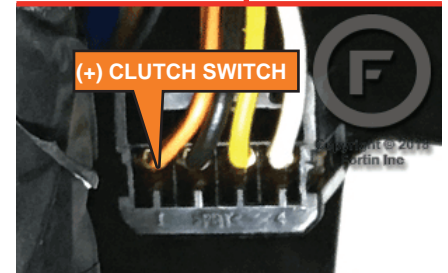
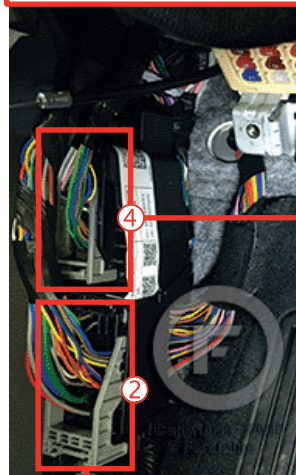


⑤ Junction connector Behind fuse Box

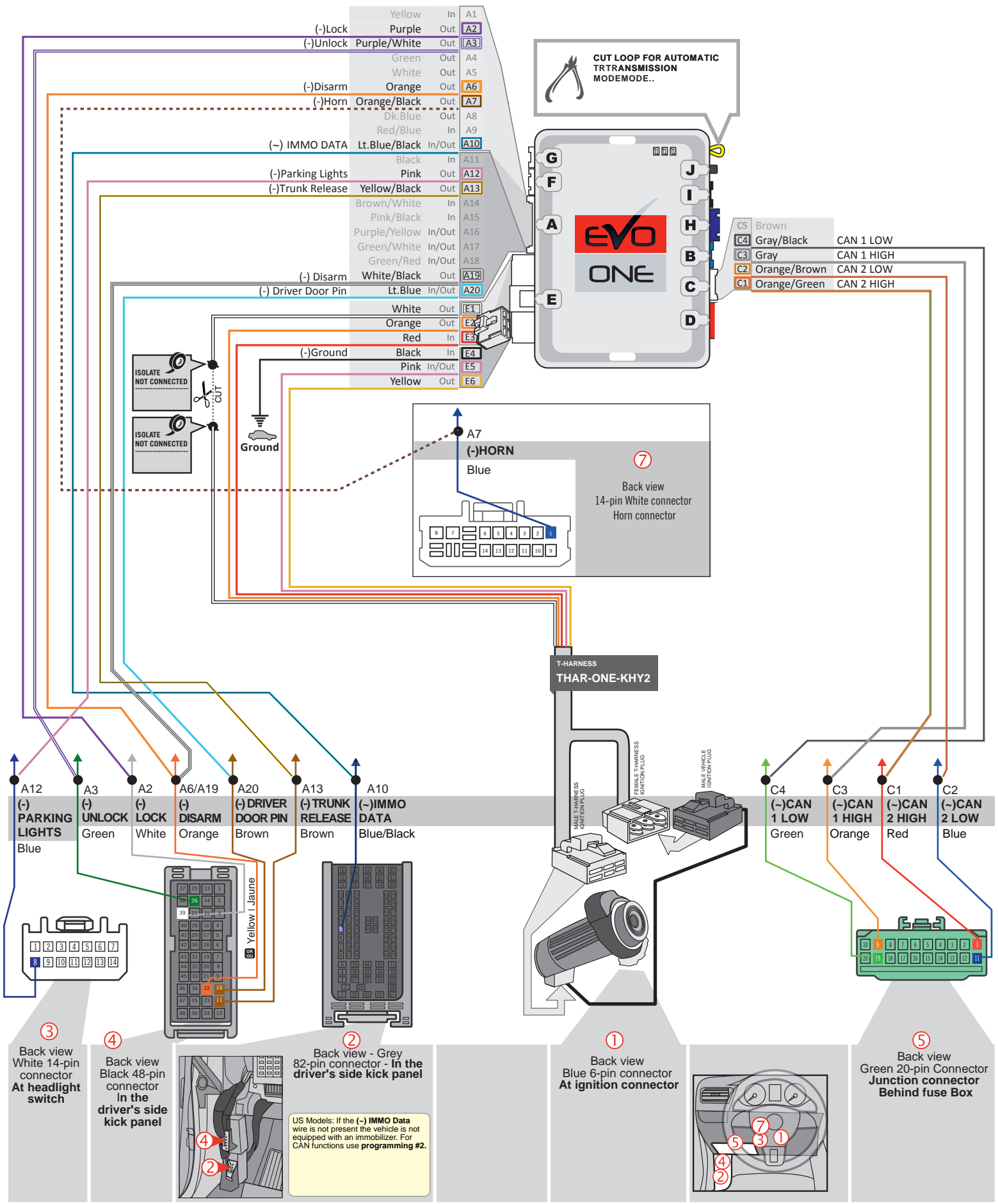


In the driver's side kick panel

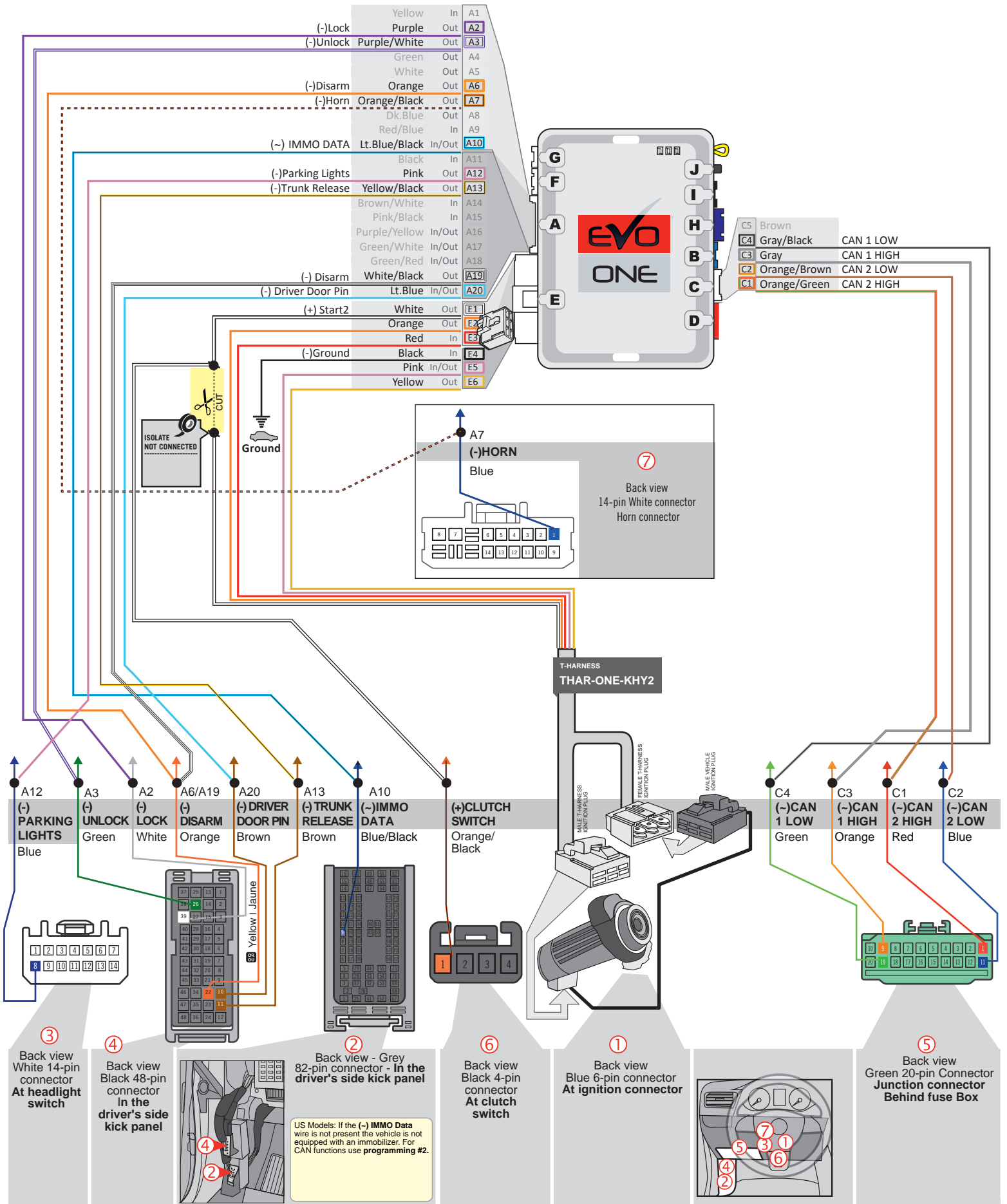
② ④



AUTOMATIC TRANSMISSION WIRING CONNECTION

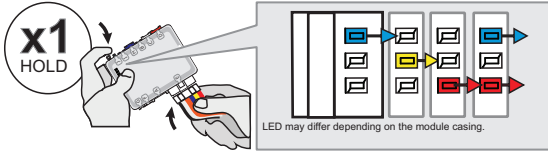


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

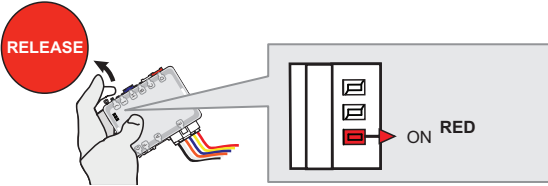
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

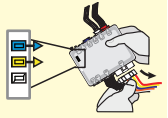
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

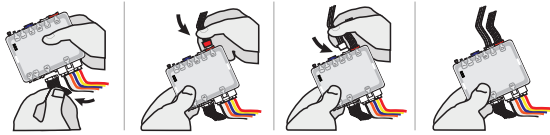


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

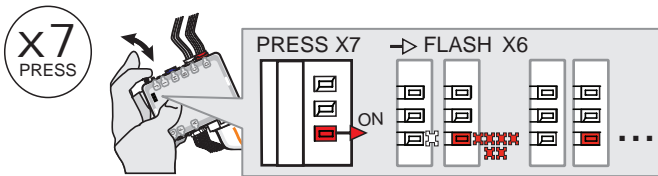


3



Insert the required remaining connectors.

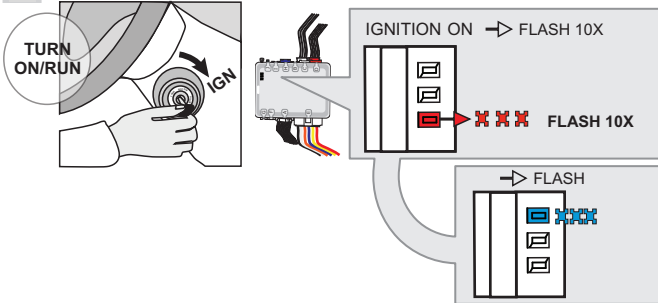
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

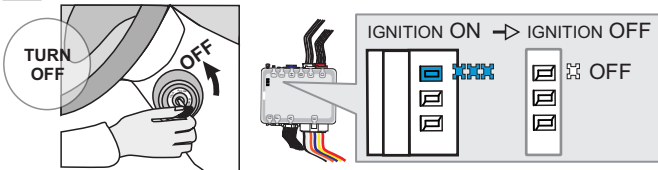


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

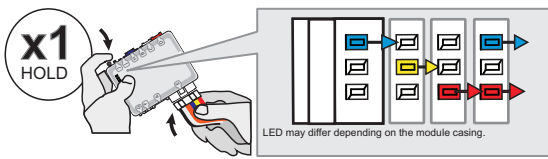


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

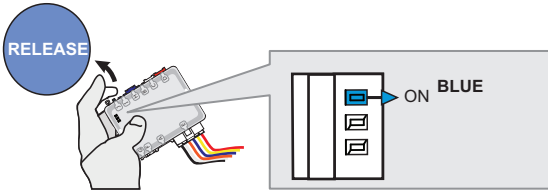
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

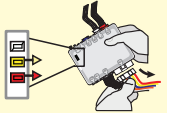
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

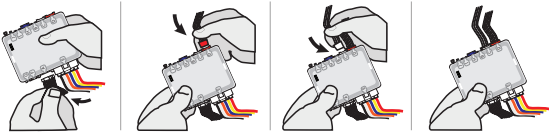


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

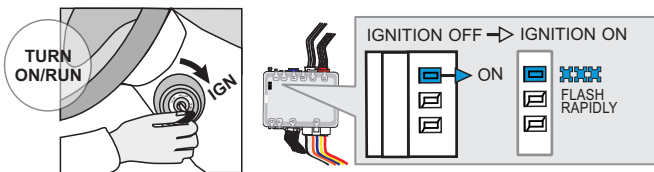


3



Insert the required remaining connectors.

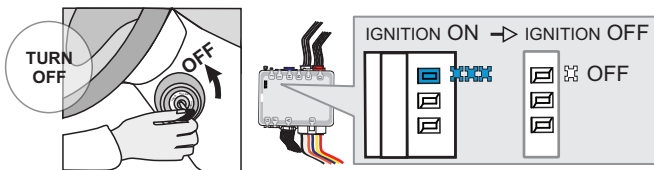
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

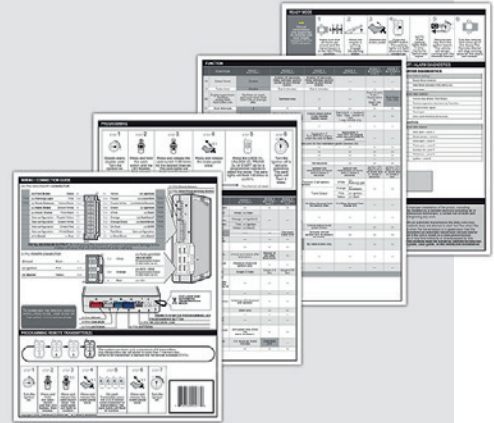


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTLLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped).



VEHICLE

YEARS

Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open & close)	RAP & Auto Lights Disable	Parking Lights	Horn	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring**
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

HYUNDAI

Elantra

2019-2020



BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

UNIT OPTION

DESCRIPTION

A11

OFF

Hood trigger (Output Status).



Program bypass option:

UNIT OPTION

DESCRIPTION

C1

OEM Remote status (Lock/Unlock) monitoring

NOTES

**OEM Remote monitoring



The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



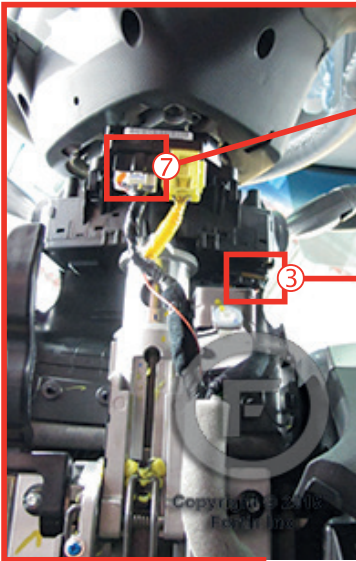
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

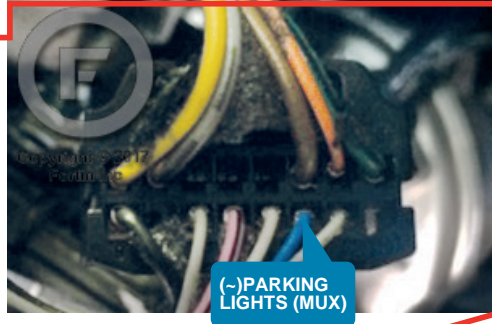
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

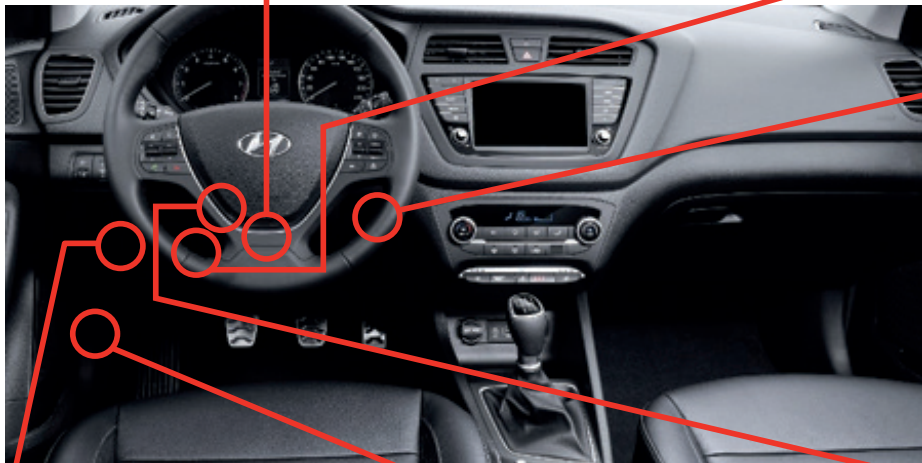
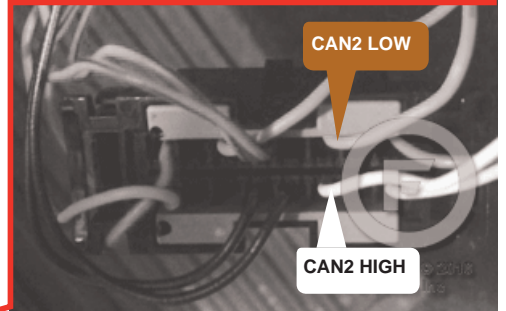
③ ⑦ Under steering column.



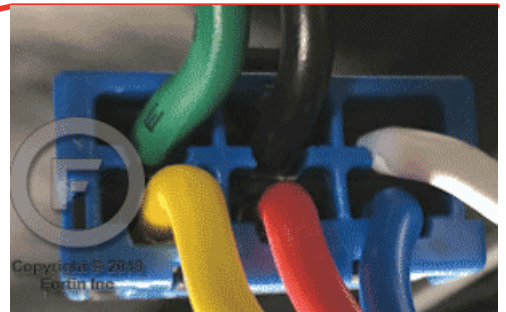
③ Under steering column.



④ OBD-II connector



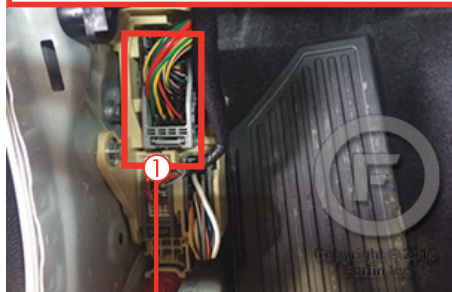
② Ignition connector



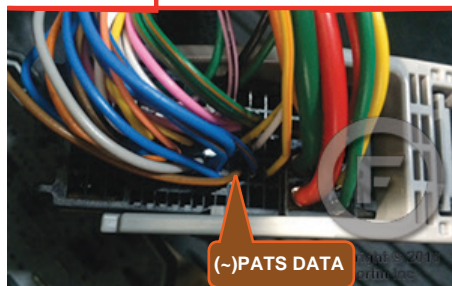
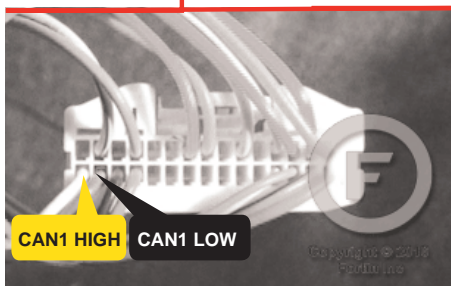
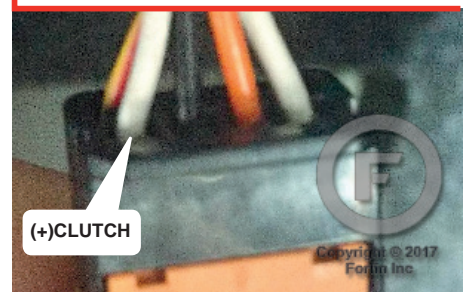
⑤ Back of fuse box



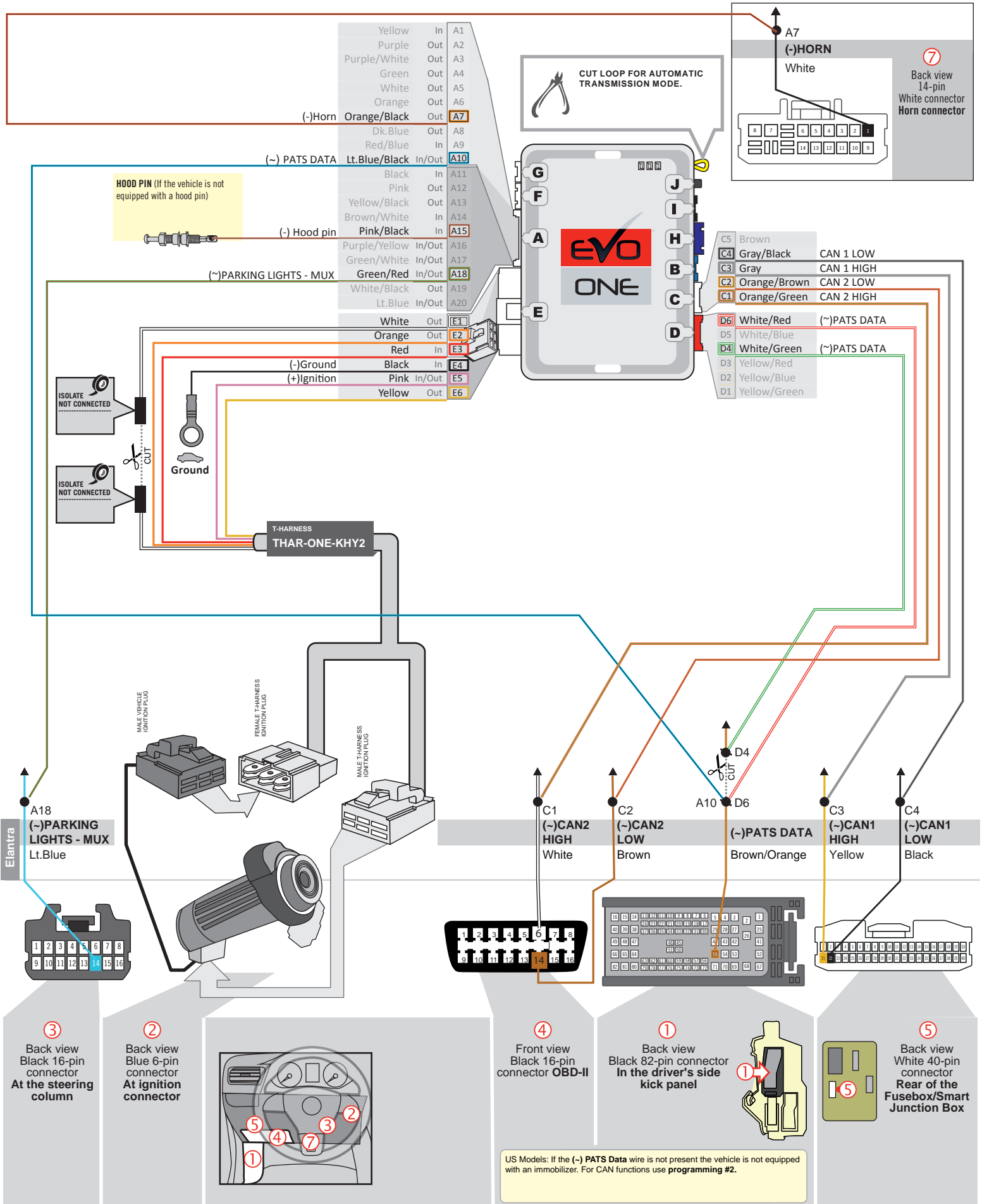
① In the driver's side kick panel



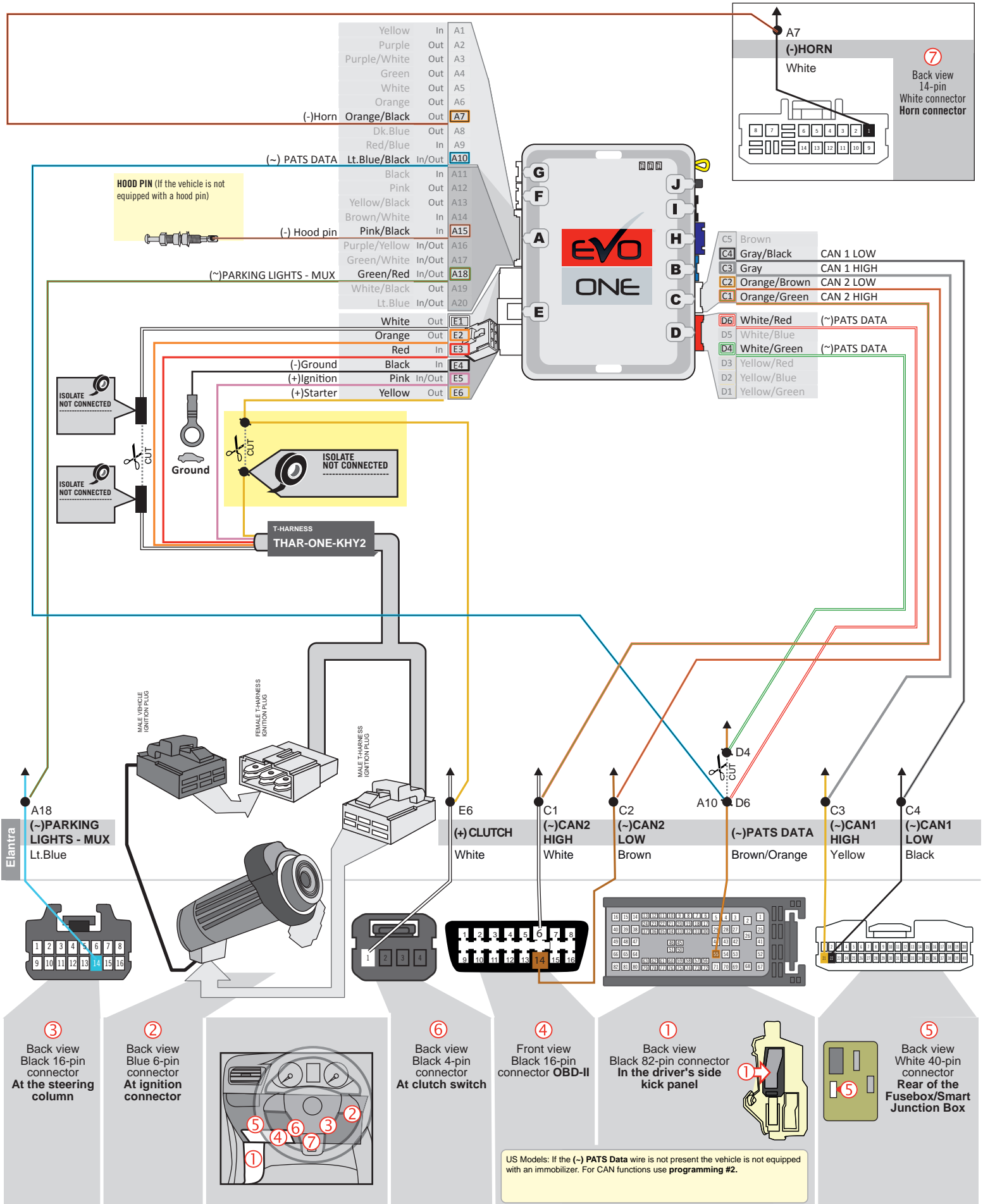
⑥ At clutch switch



AUTOMATIC TRANSMISSION WIRING CONNECTION



MANUAL TRANSMISSION WIRING CONNECTION



Elantra
A18
(-)PARKING LIGHTS - MUX
Lt.Blue

E6
(+) CLUTCH
White

C1
(-)CAN2 HIGH
White

C2
(-)CAN2 LOW
Brown

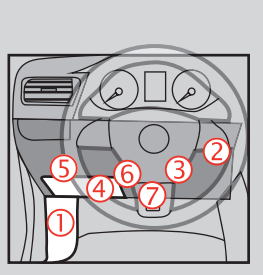
A10
D6
(-)PATS DATA
Brown/Orange

C3
(-)CAN1 HIGH
Yellow

C4
(-)CAN1 LOW
Black

③ Back view Black 16-pin connector At the steering column

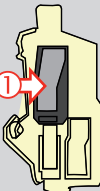
② Back view Blue 6-pin connector At ignition connector



⑥ Back view Black 4-pin connector At clutch switch

④ Front view Black 16-pin connector OBD-II

① Back view Black 82-pin connector In the driver's side kick panel

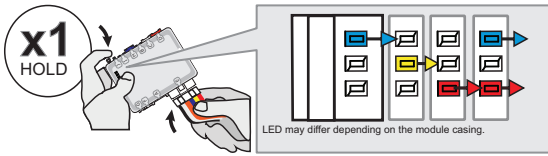


⑤ Back view White 40-pin connector Rear of the Fusebox/Smart Junction Box

US Models: If the (-) PATS Data wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

KEY BYPASS PROGRAMMING PROCEDURE

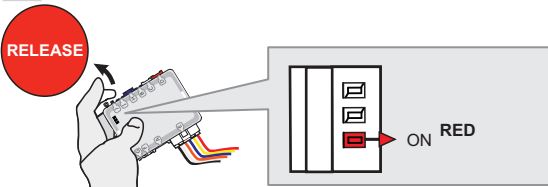
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

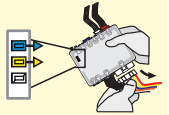
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

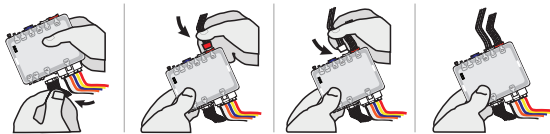


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

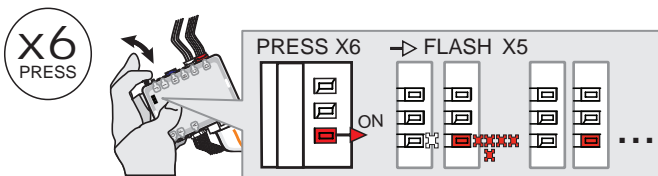


3



Insert the required remaining connectors.

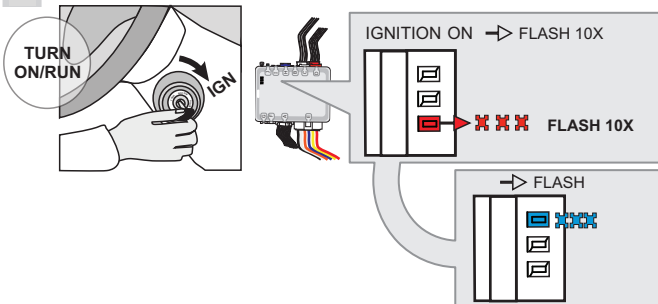
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

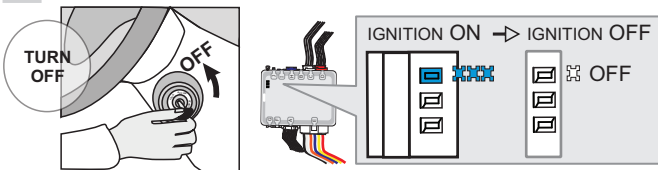


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

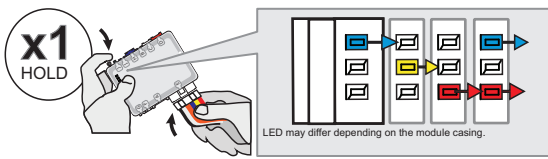


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

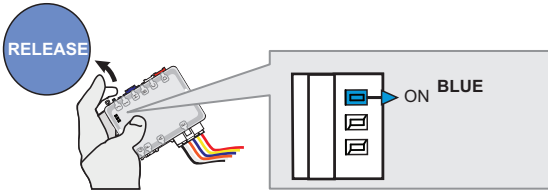
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

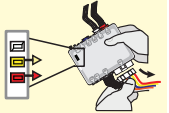
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

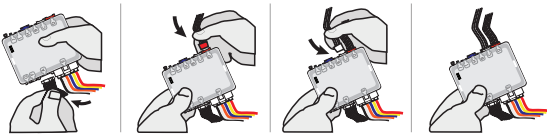


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

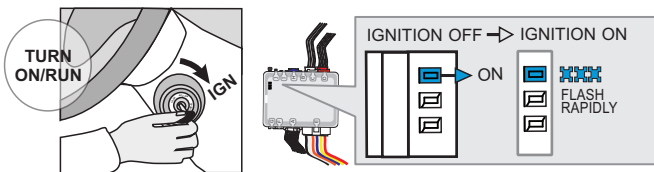


3



Insert the required remaining connectors.

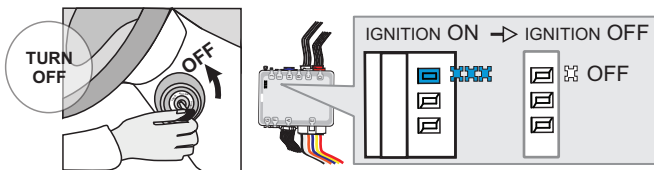
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

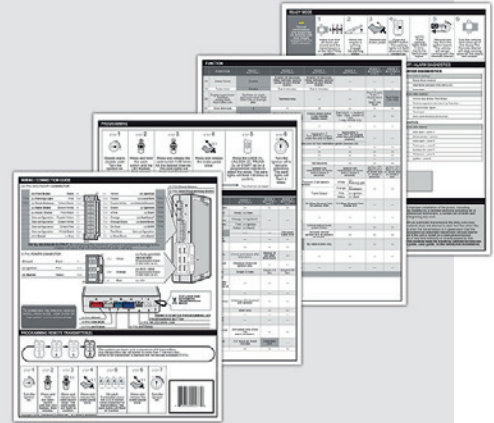


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																	
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	RAP Control	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote Stand Alone compatible
HYUNDAI Ioniq Hybrid	2018-2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[57]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

A11

OFF

Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program bypass option (Vehicle hybrid only):	UNIT OPTION	DESCRIPTION
		D4	Hybrid mode (Vehicle hybrid only)

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.



Parts required (Not included)

1X relay

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



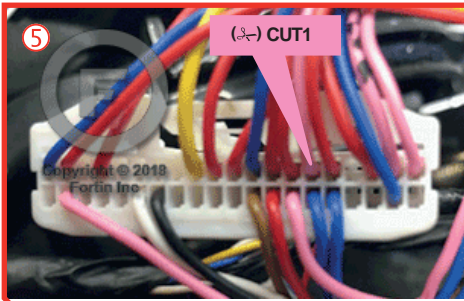
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

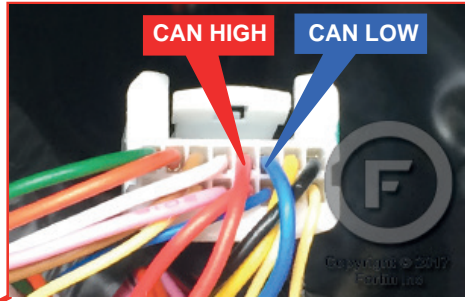
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

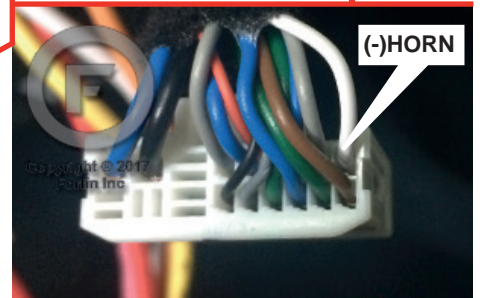
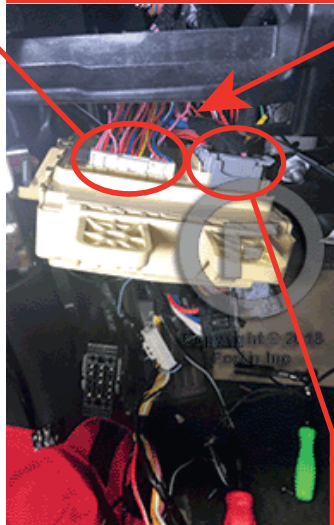
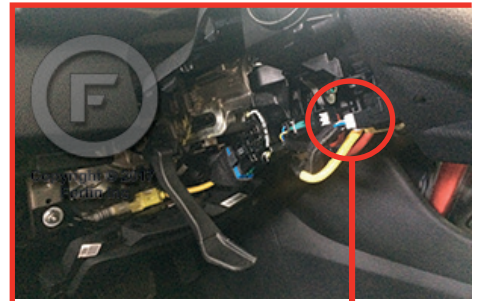
④ ⑤ ⑥ Behind the fuse box



④ Behind the fuse box



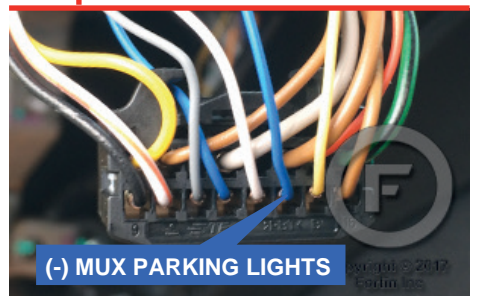
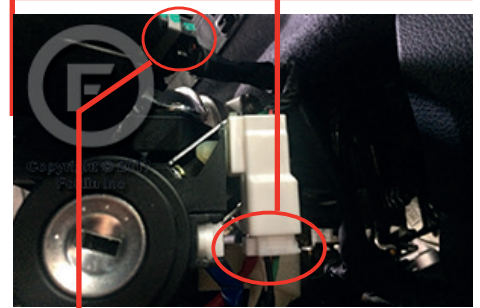
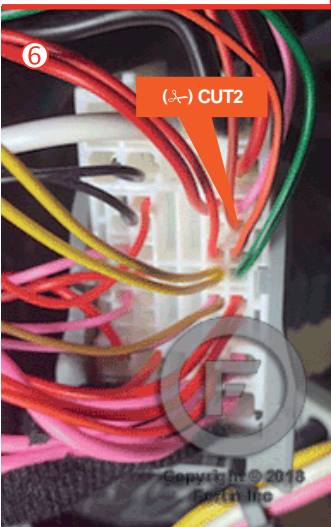
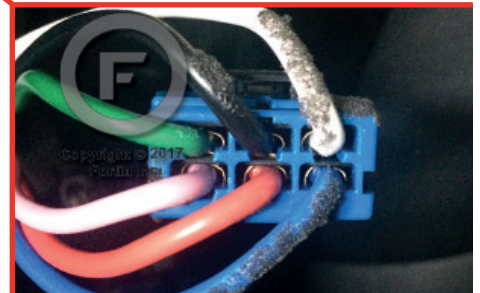
③ Behind steering column



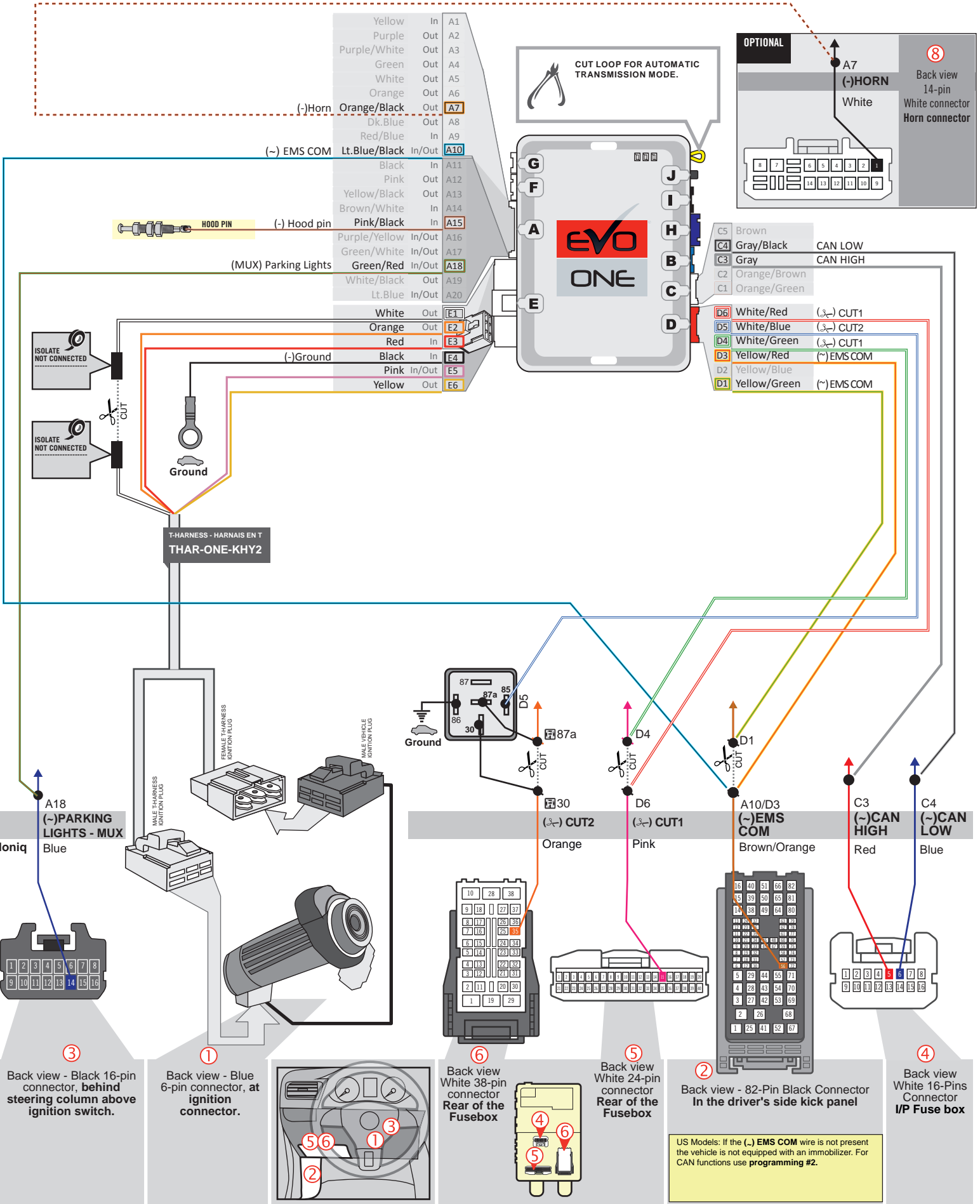
② In the driver's side kick panel



① Ignition switch

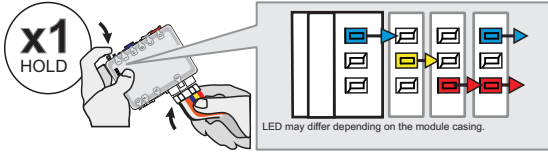


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

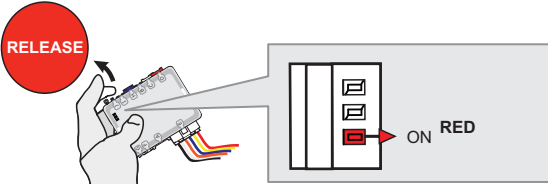
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

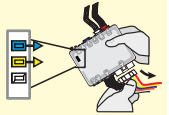
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

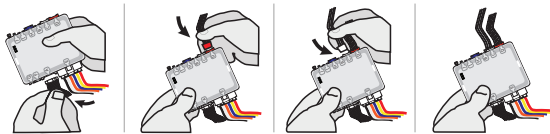


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

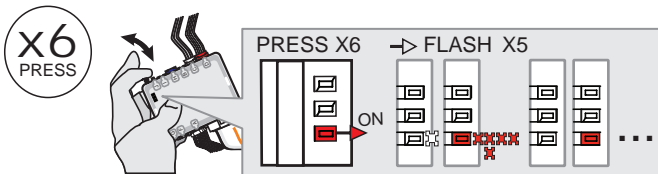


3



Insert the required remaining connectors.

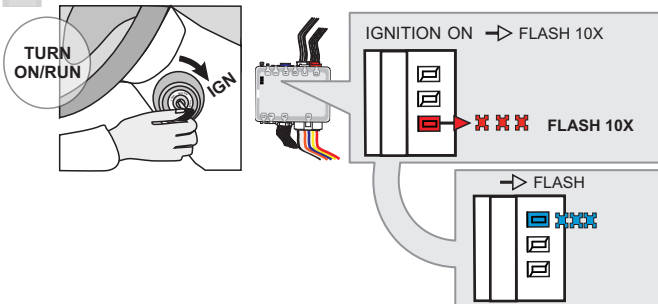
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

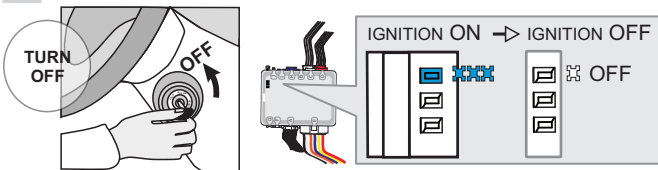


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

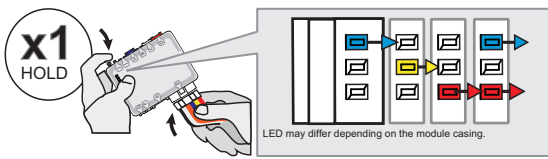


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

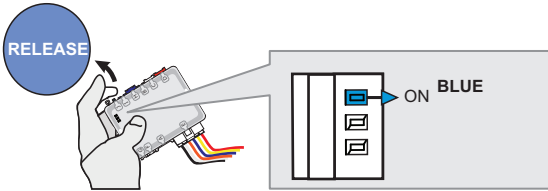
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

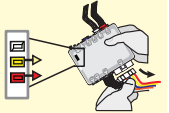
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

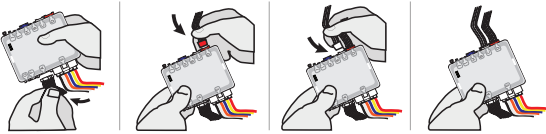


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

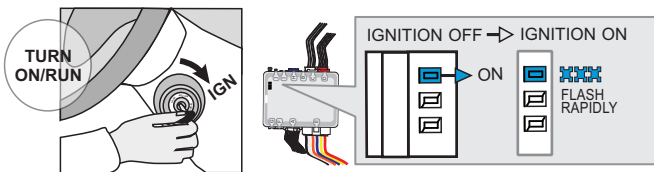


3



Insert the required remaining connectors.

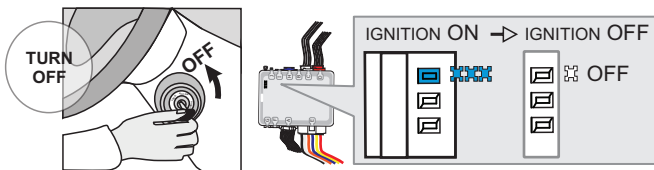
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

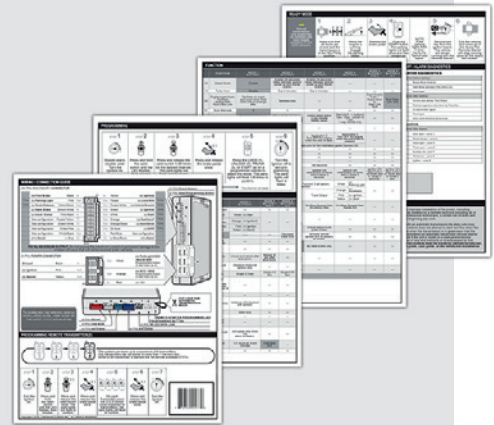


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped)

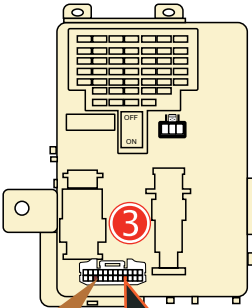


VEHICLE
KIA

YEARS
2011-2013

Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring**
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

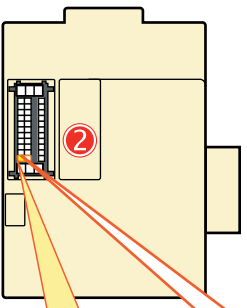
3 Front of Fuse panel



(-) Driver door pin
Brown

(-) Disarm
Orange/Black

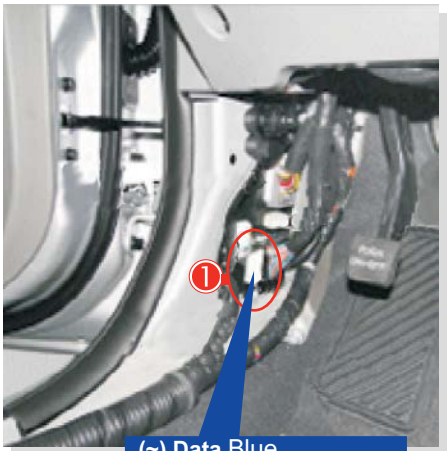
2 Behind Fuse panel



(-) CAN Low
Yellow/Orange

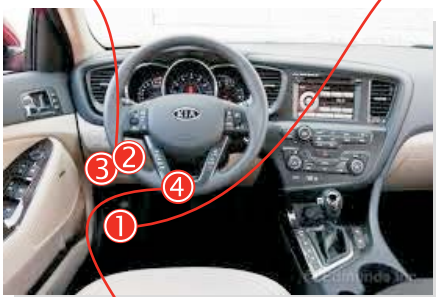
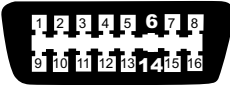
(-) CAN High
White/Orange


1 Driver Kick Panel



(~) Data Blue

4 OBDII



BYPASS FIRMWARE VERSION

4.18

MINIMUM

OR

OU


76.[18]

HYUNDAI/KIA MINIMUM

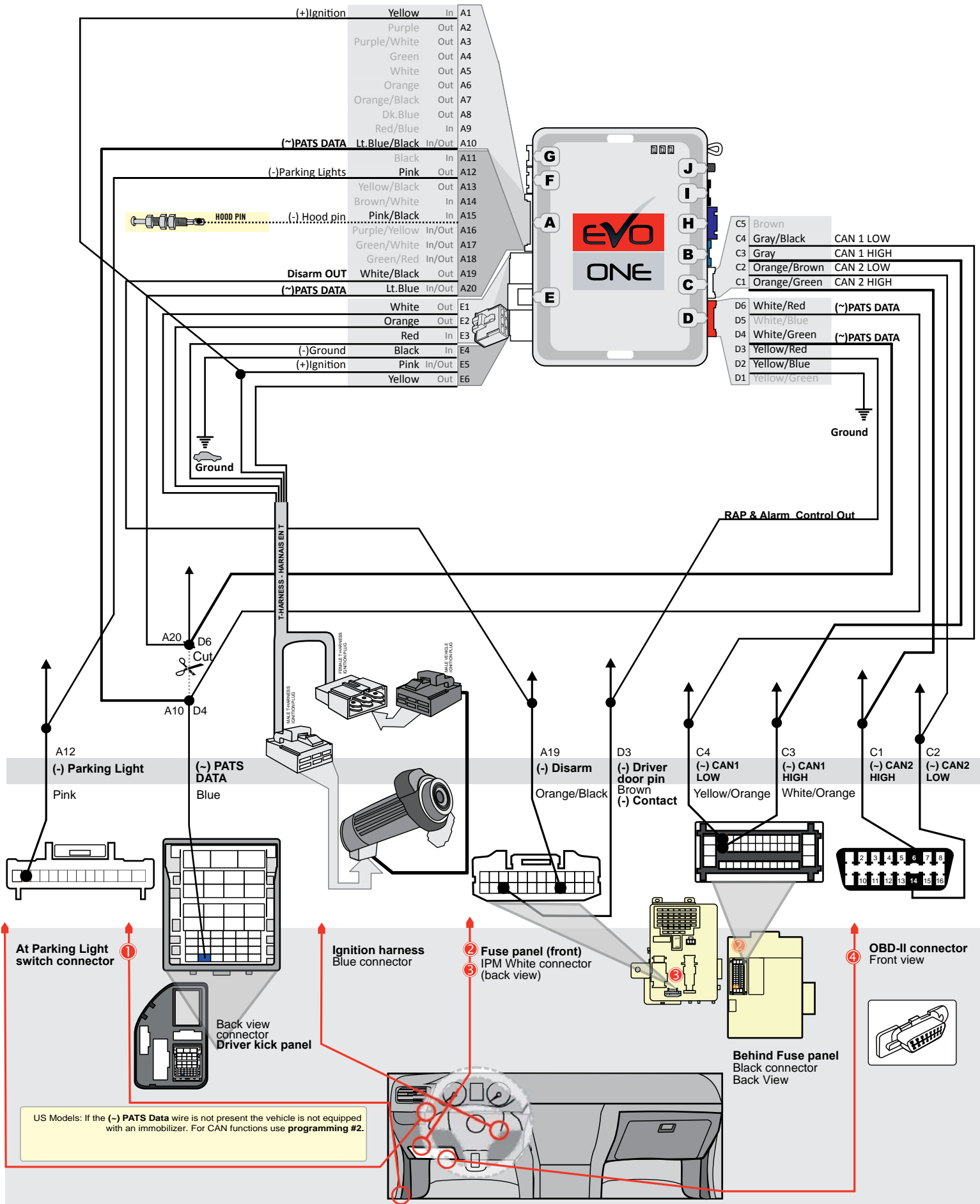
NOTES

***Hood Status** functional if equipped with a factory hood switch.

****OEM Remote monitoring** The vehicles OEM remote will not be operable during remote start.



WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE 1/2

1

X1 HOLD

LED may differ depending on the module casing.

Press and hold the programming button:

Insert the 6-Pin Main connector.

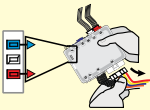
2

RELEASE

ON YELLOW

Release the programming button when the **YELLOW LED** is ON.

If the **YELLOW LED** is not ON solid **disconnect** the 6-Pin Main connector and go **back** to step 1.



3

Insert the required remaining connectors.

4

TURN ON/RUN

With CAN wires connected:

IGNITION ON → FLASH 10X

FLASH 10X
Door locks programmed.

Foot-brake and tach programmed.

FLASH 10X

WAIT

ON
ON

TURN OFF

Turn the Ignition to the ON/RUN position.

↳ The **Blue LED** will flash rapidly ten (x10) times. Door locks are programmed.

↳ The **RED LED** will flash rapidly ten times (x10) times. Foot-brake and tach programmed.

Wait

↳ When the **RED** and the **YELLOW LED** turn ON:

Turn the Ignition to the OFF position.

5 This process may take up to 5 minutes

Ignition OFF / ON

IGNITION OFF → IGNITION ON

ON
ON
ON

ON
ON

FLASH RAPIDLY

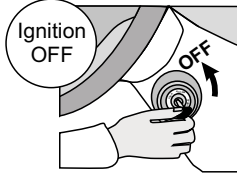
Turn the Ignition to the ON/RUN position.

↳ The **RED, BLUE** and the **YELLOW LEDs** are ON: programming process started.

↳ The LEDs slowly alternate between **RED, BLUE** and **YELLOW**: processing...

↳ When the **YELLOW LED** begins to flash rapidly: The key bypass programmed.

6



Turn the Ignition to the OFF position.

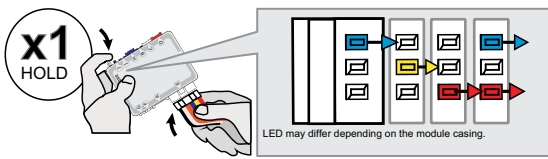


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

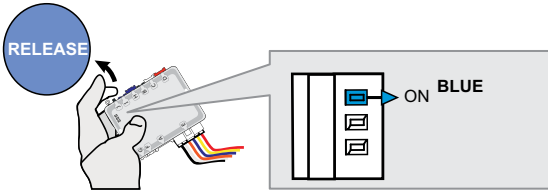
1



**Press and hold the programming button:
Insert the 6-Pin Main connector.**

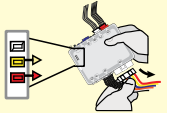
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

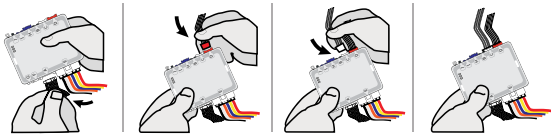


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

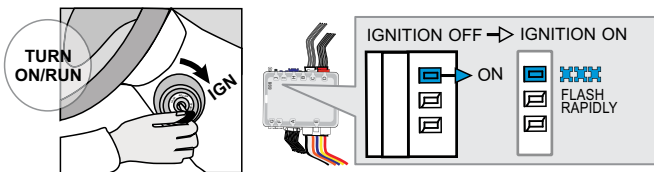


3



Insert the required remaining connectors.

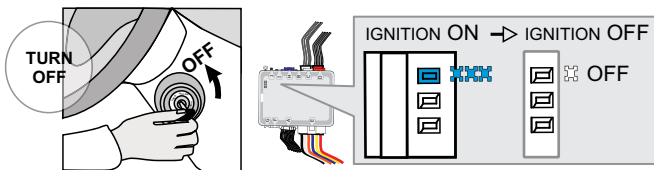
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

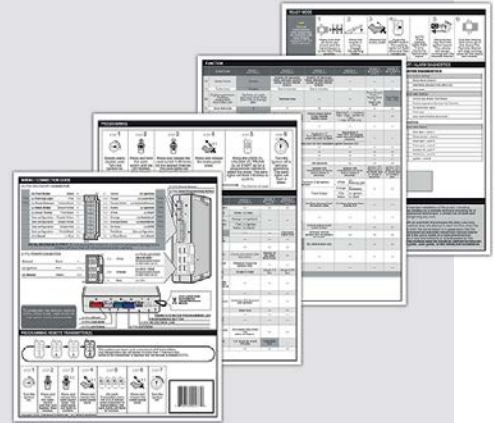


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote Stand Alone compatible
HYUNDAI																		
Santa Fe	2019-2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



	<p>BYPASS FIRMWARE VERSION</p> <p>76.[60]</p> <p>HYUNDAI/KIA MINIMUM</p>	<p>To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.</p>

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



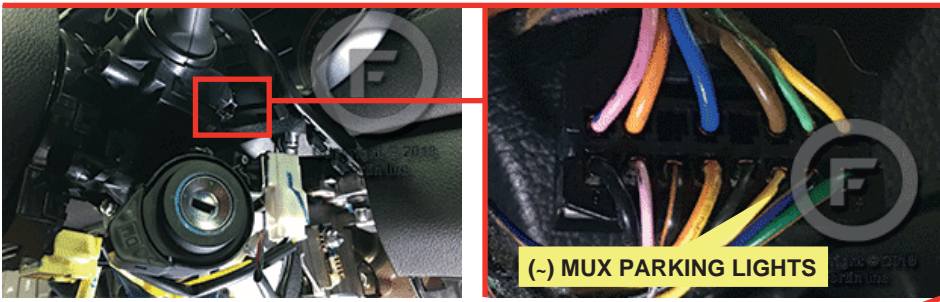
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

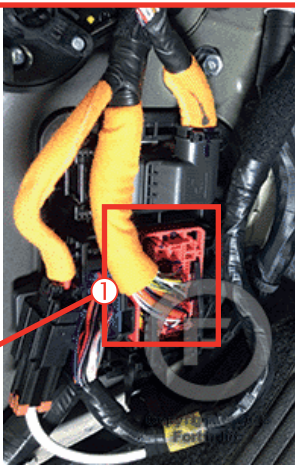
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

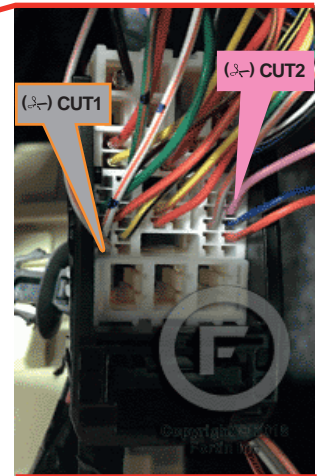
⑤ Under steering column



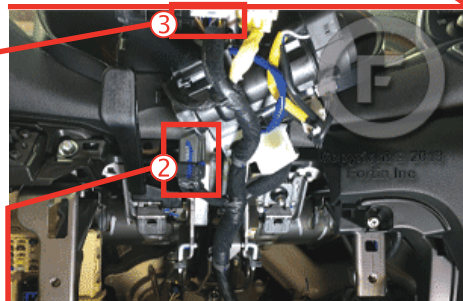
① In the driver's side kick panel



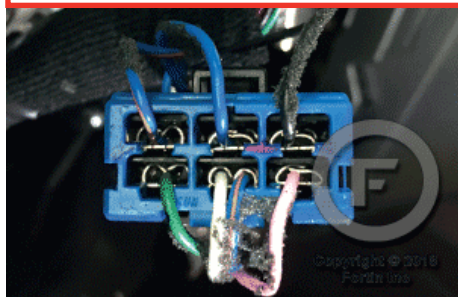
④B Behind the fuse box



② ③ Under steering column

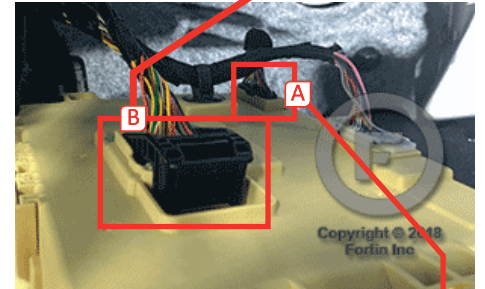


② Ignition switch

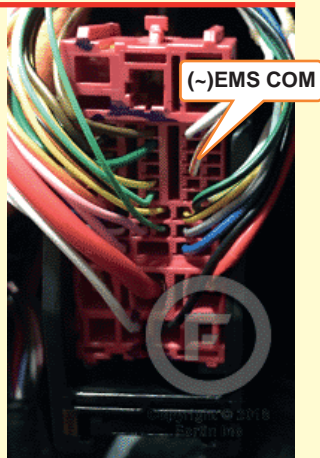
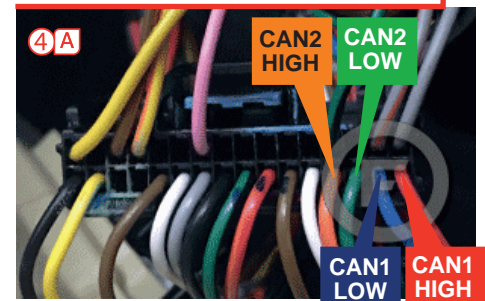


③ Horn connector

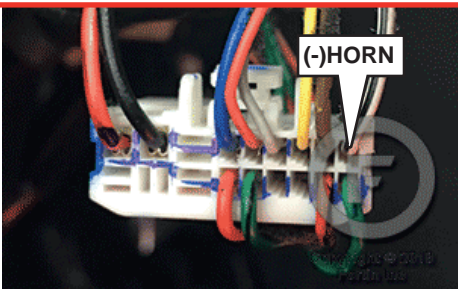
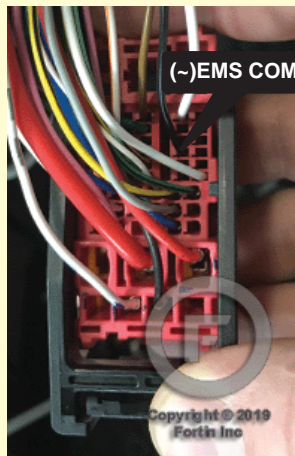
④



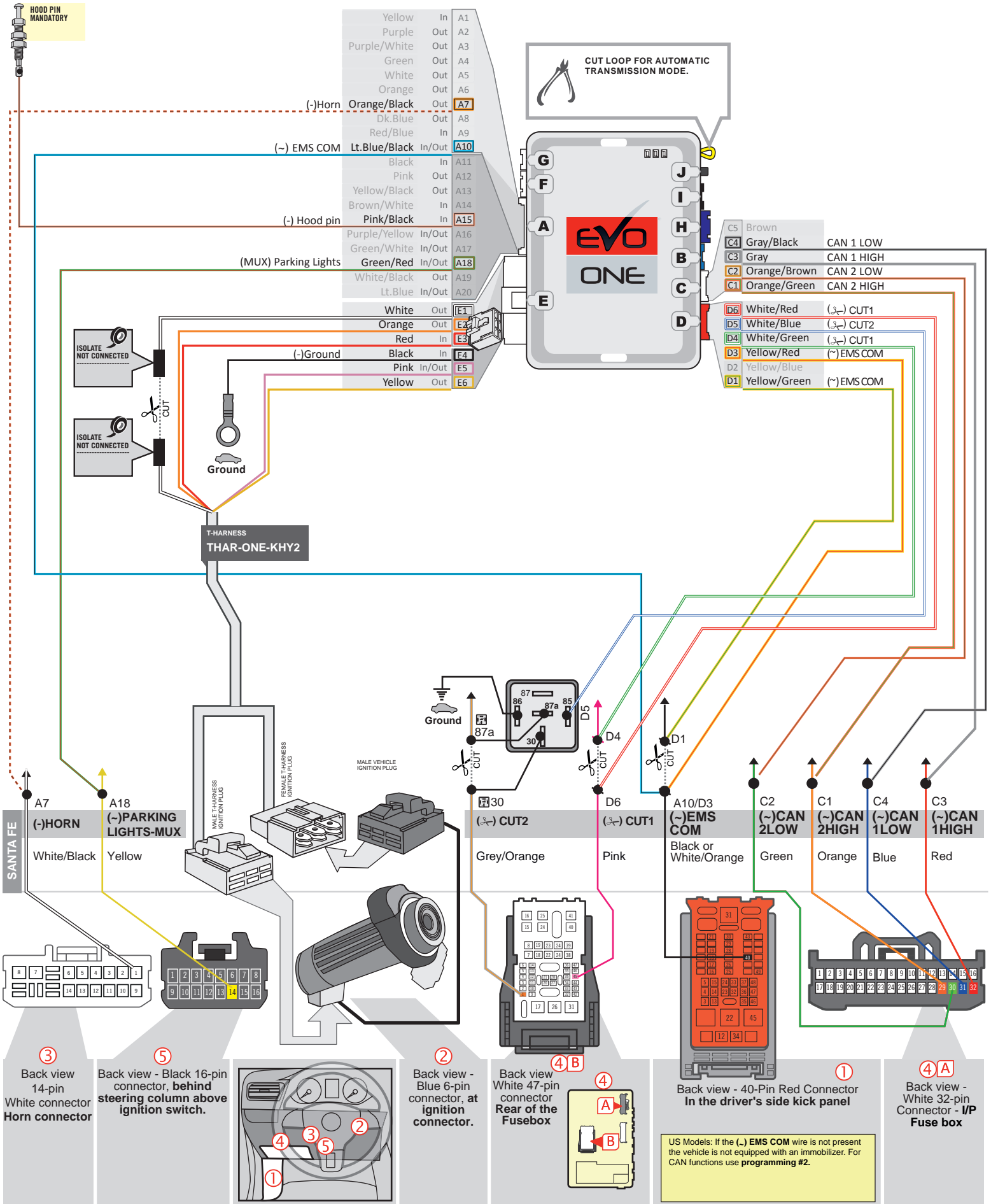
④A



OR
OU

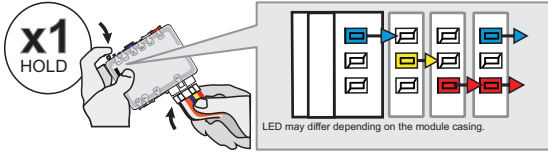


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

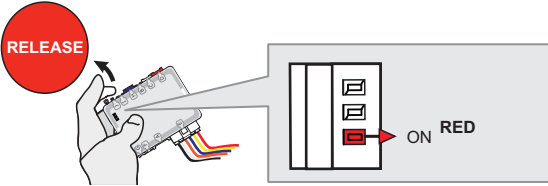
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

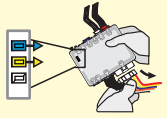
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

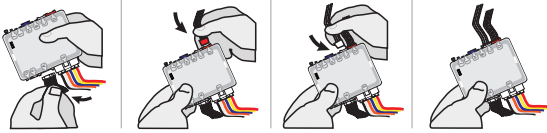


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

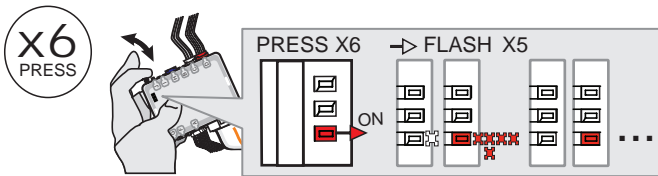


3



Insert the required remaining connectors.

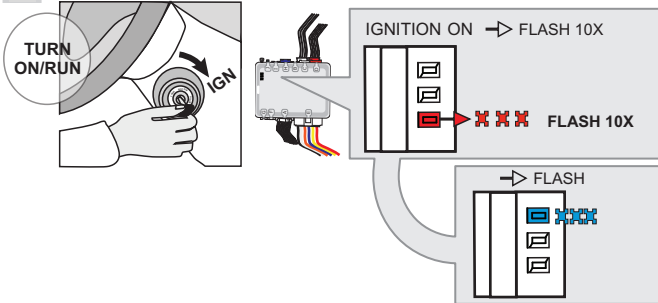
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

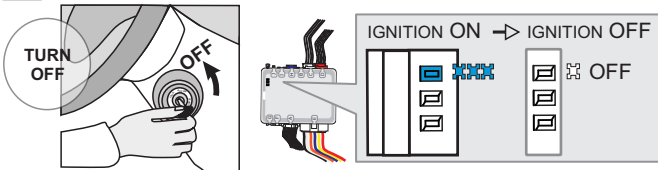


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

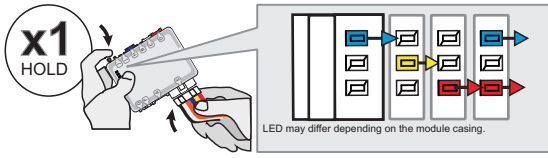


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

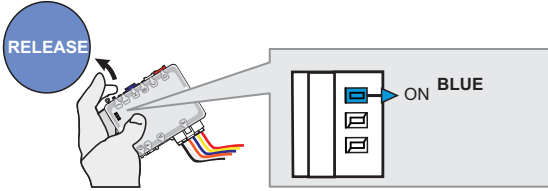
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

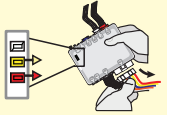
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

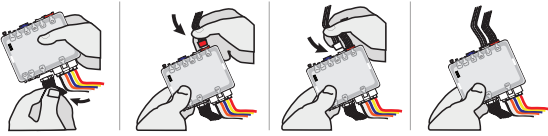


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

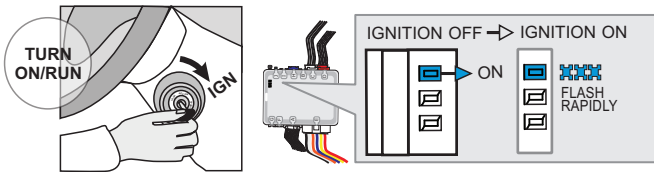


3



Insert the required remaining connectors.

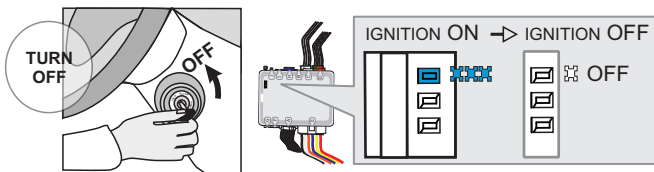
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

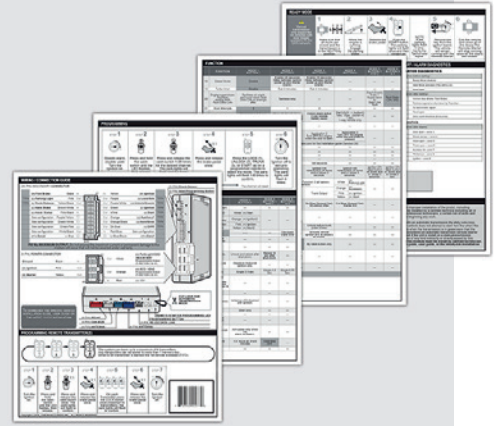


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote Stand Alone compatible
HYUNDAI																		
Santa Fe	2021-2022	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[61]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION FONCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

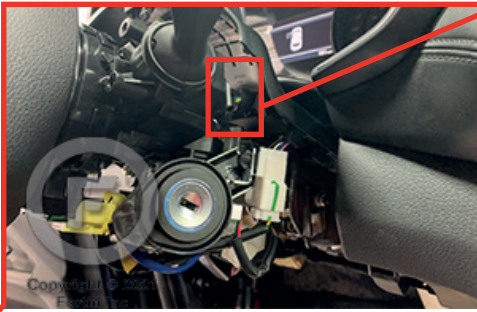
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

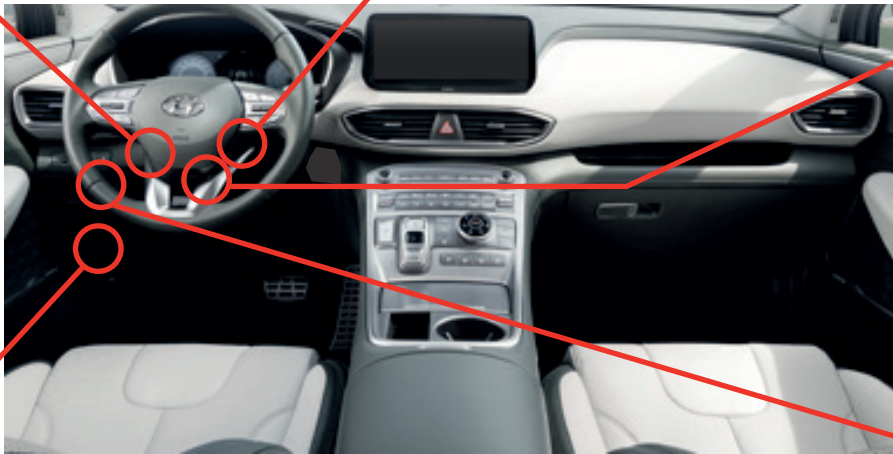
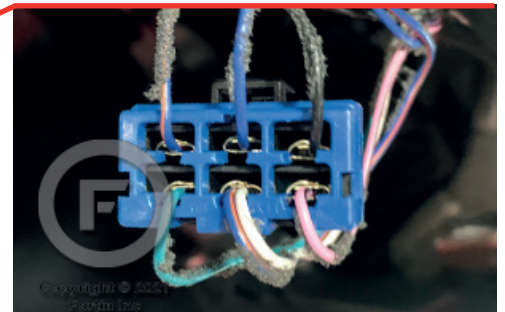
③ Horn connector



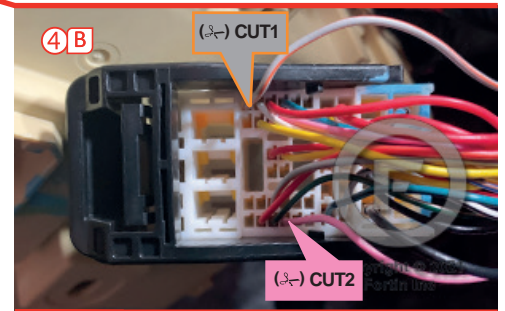
⑤ Under steering column



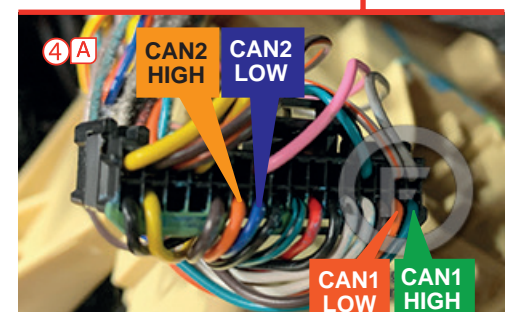
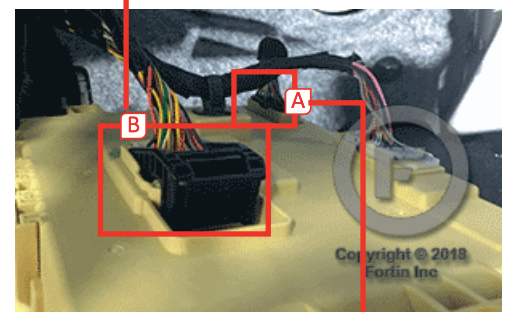
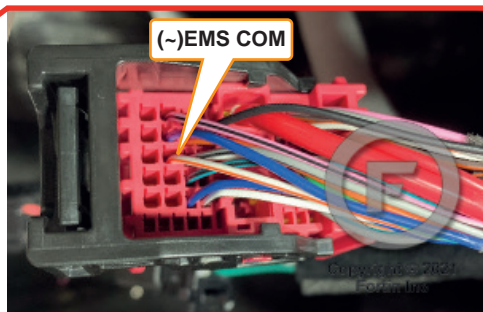
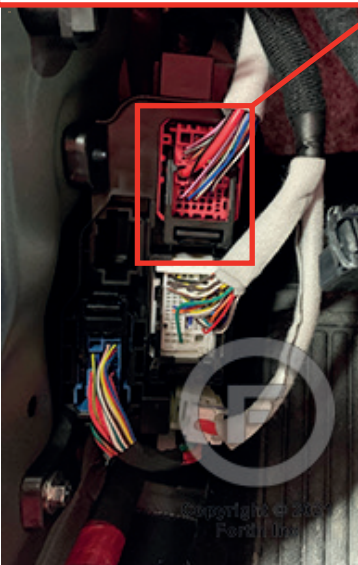
② Ignition switch



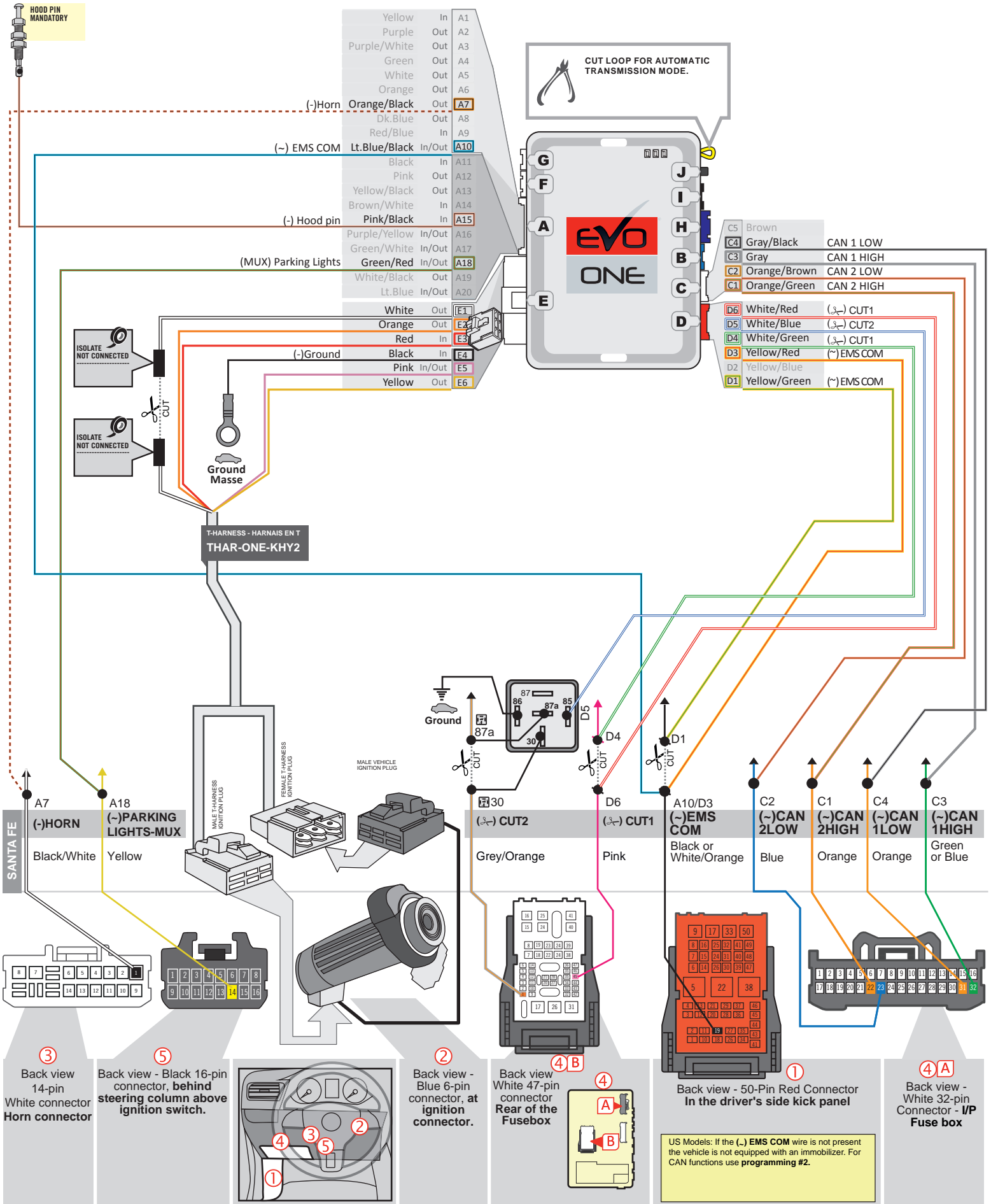
④ Behind the fuse box



① In the driver's side kick panel

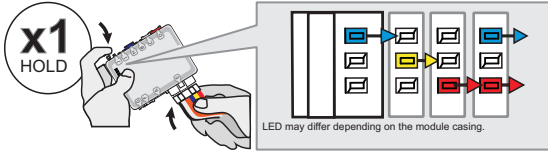


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

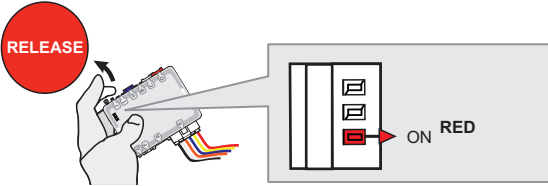
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

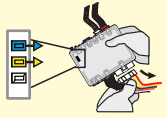
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

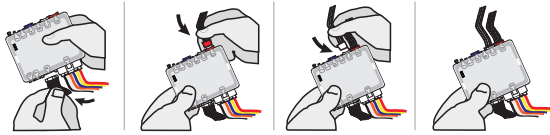


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

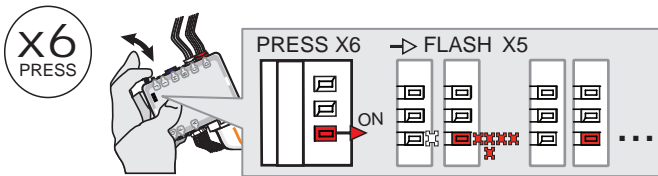


3



Insert the required remaining connectors.

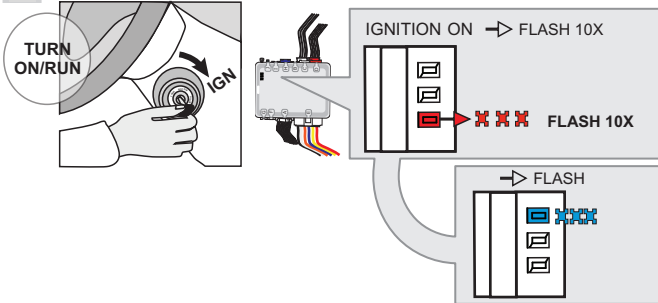
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

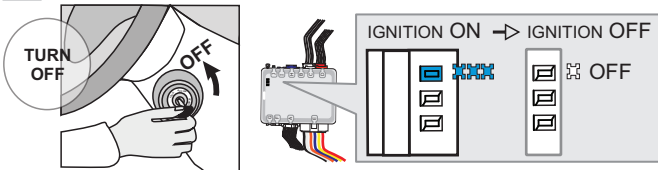


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

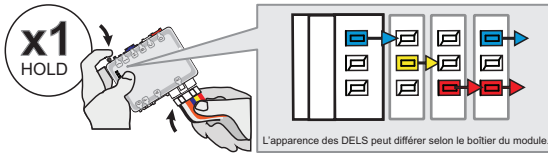


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

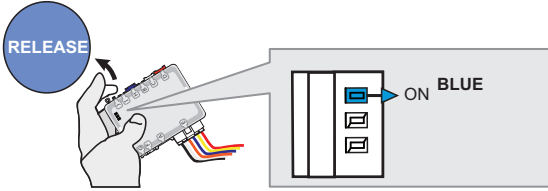
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

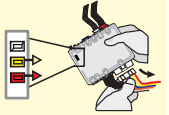
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

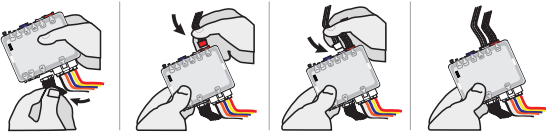


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

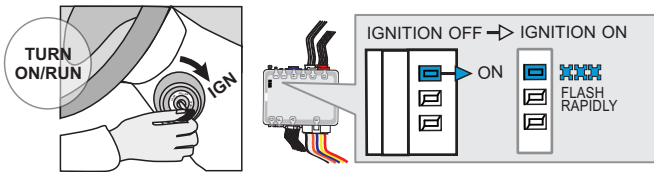


3



Insert the required remaining connectors.

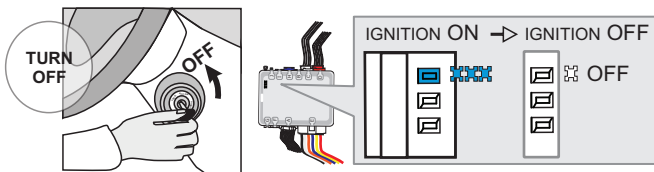
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

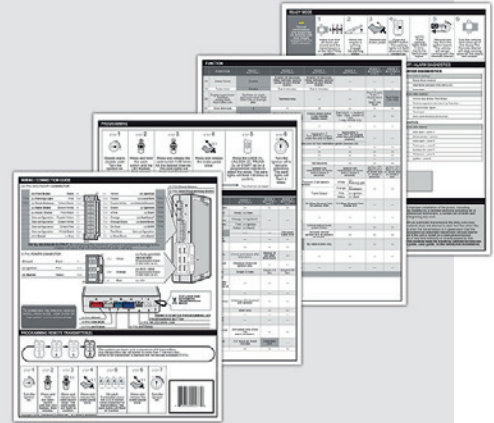


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

**THAR-ONE-KHY2 THARNESSE
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION



VEHICLE

YEARS

Vehicle functions supported in this diagram (functional if equipped)

HYUNDAI

Tucson

2010-2015

Immobilizer bypass	T-Harness available (sold separately)	Lock	Unlock	Arm	Horn	Parking Lights	Trunk (open)	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot Brake Status	OEM Remote monitoring*
•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[51]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



**Program bypass option
IF THE VEHICLE IS NOT EQUIPED
WITH FUNCTIONAL HOOD PIN:**

UNIT OPTION

A11

OFF

DESCRIPTION

Hood trigger (Output Status).

NOTES

*OEM Remote monitoring



The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*HOOD PIN



HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER



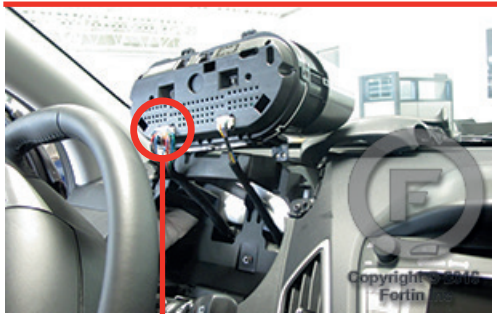
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

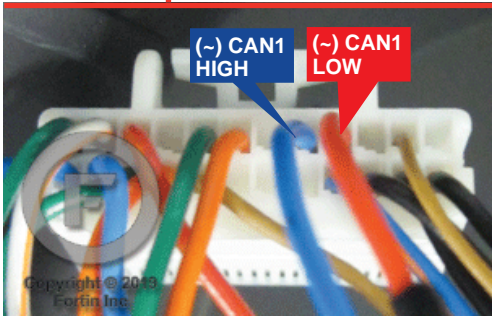
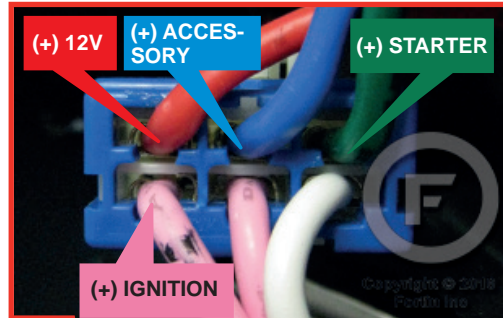
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

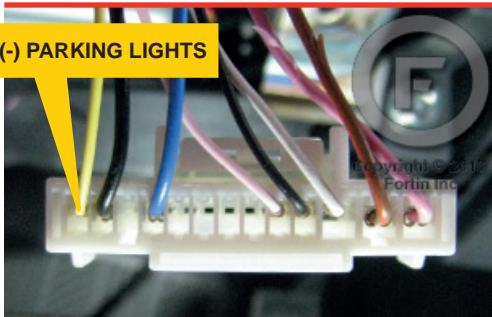
⑤ Back of cluster



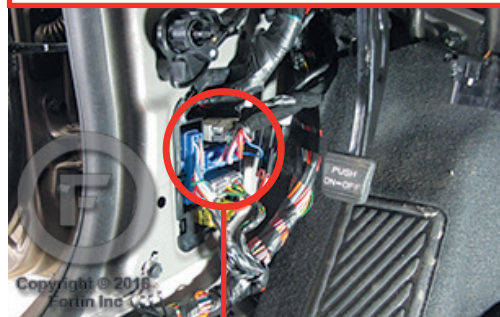
② Ignition harness



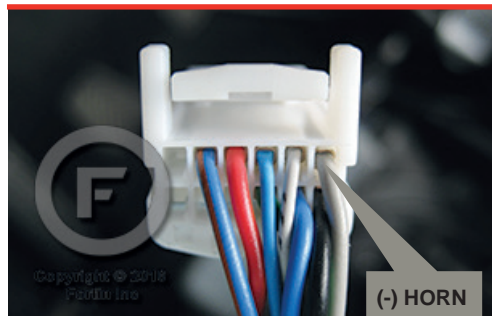
③ At Parking Light switch connector



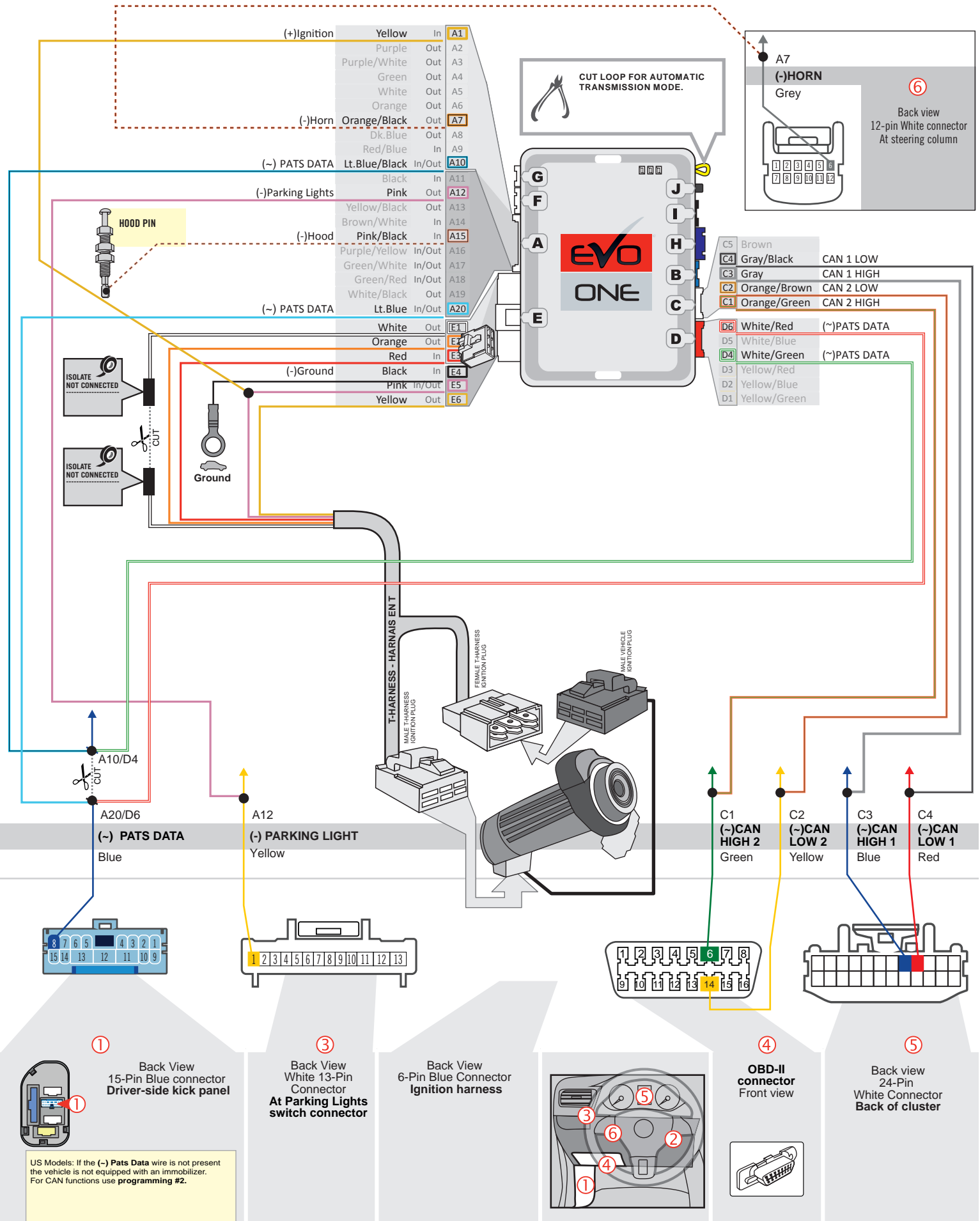
① Driver-side kick panel



⑥ At steering column

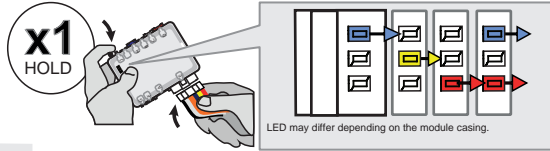


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

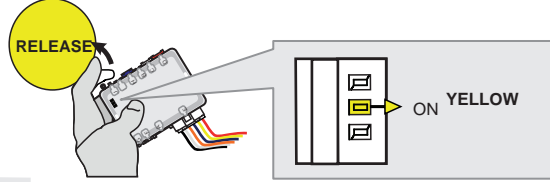
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

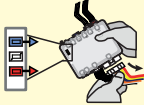
↳ The **BLUE, YELLOW, RED** and **BLUE & RED** LEDs will alternatively illuminate.

2

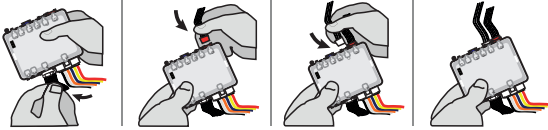


Release the programming button when the **YELLOW** LED is ON.

If the **YELLOW LED** is not ON solid, **disconnect** the 6-Pin Main connector and **go back** to step 1.

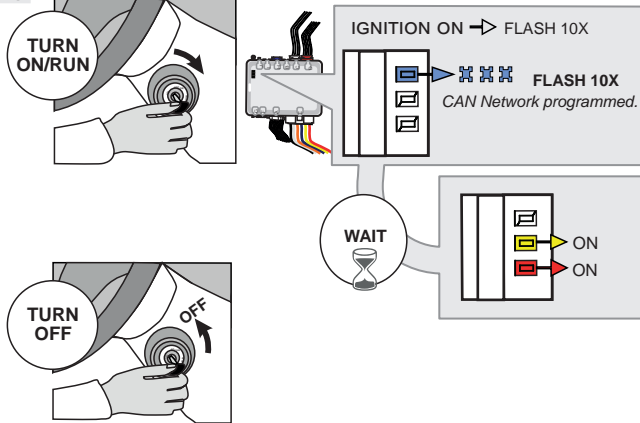


3



Insert the required remaining connectors.

4



Turn the key to the Ignition ON/RUN position.

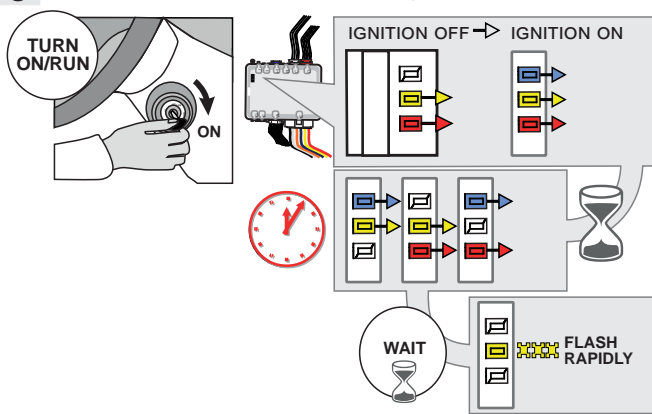
↳ The **BLUE LED** will flash rapidly ten (x10) times.
CAN Network programmed.

Wait

↳ When the **RED** and the **YELLOW LED** will turn ON:

Turn the key to the OFF position.

5



This process may take up to 5 minutes

Turn the key to the Ignition ON/RUN position.

↳ The **RED, the BLUE** and the **YELLOW LEDs** are ON: programming process started.

↳ The LEDs slowly alternate between the **RED, BLUE** and **YELLOW LED's**: processing...

↳ When the **YELLOW LED** begins to flash rapidly: The key bypass is programmed.

This process may take up to 5 minutes

6



Turn the key to the OFF position.

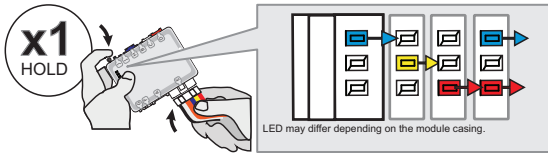


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT PATS DATA WIRE |

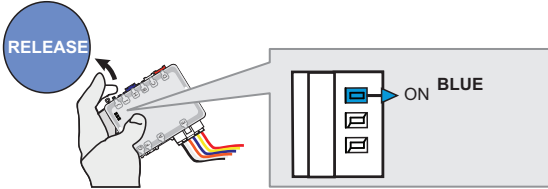
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

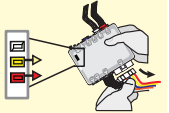
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

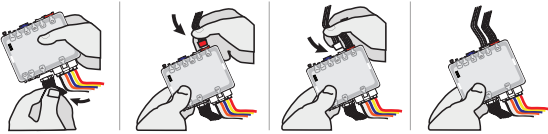


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

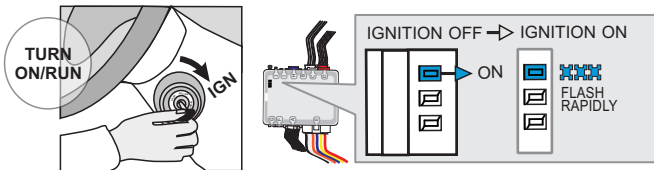


3



Insert the required remaining connectors.

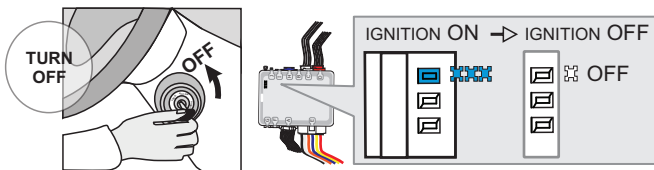
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

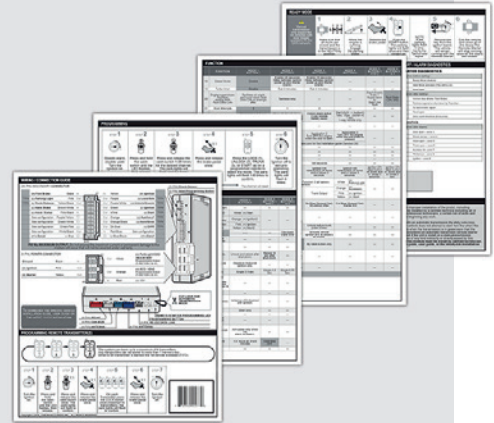


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |

AUTOMATIC TRANSMISSION - TRANSMISSION AUTOMATIQUE



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.



If the procedure is not followed, the vehicle engine will shut when a door is open.

**THAR-ONE-KHY2 THARNESSE
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped).

VEHICLE

YEARS

Immobilizer bypass

T-Harness

Lock

Unlock

Arm

Disarm

Trunk (open)

RAP Disable

Tachometer

Parking Lights

Door Status

Trunk Status

Hand-Brake Status

Foot-Brake Status

Hood Status*

OEM Remote monitoring*

KIA																			
Carens	2014-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[43]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

NOTES

**OEM Remote monitoring



The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER



Included

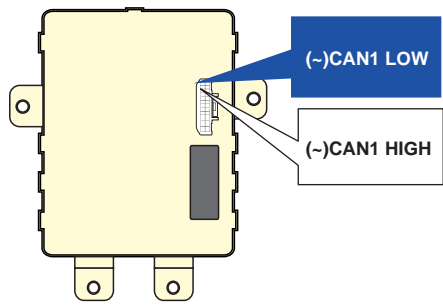
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

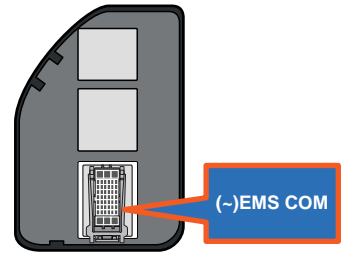
DESCRIPTION

② IPM Fuse panel

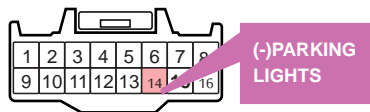
Back of Fuse panel



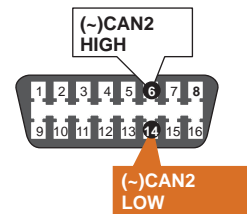
① Driver kick Panel



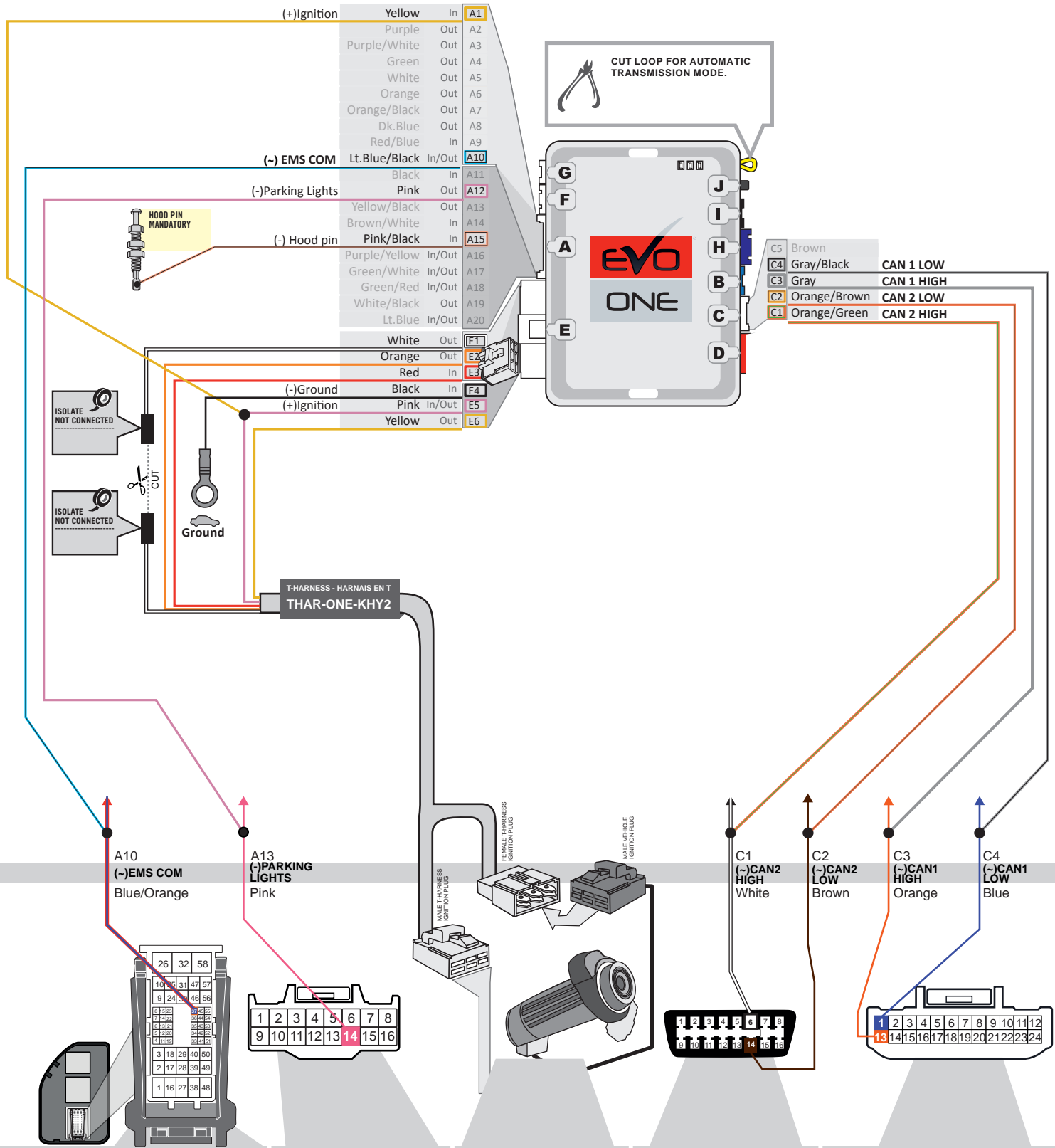
④ Parking Lights Harness



③ OBD-II connector



WIRING CONNECTION



① Back view White connector (58-pins) Driver kick Panel

④ Back view White connector (16-pins) Parking Lights Harness

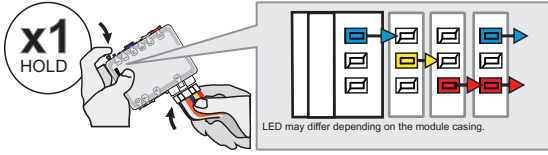
⑤ Back view 6-Pin Blue connector Ignition harness

③ OBD-II connector Front view

② Back view White connector (24-pins) I/P Back of Fuse box

KEY BYPASS PROGRAMMING PROCEDURE

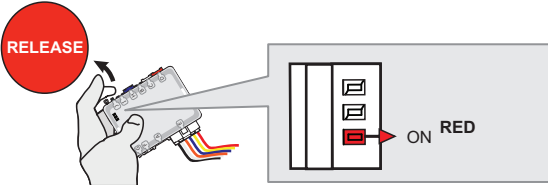
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

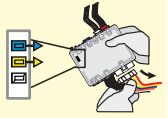
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

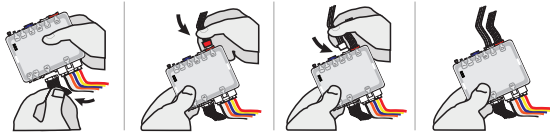


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

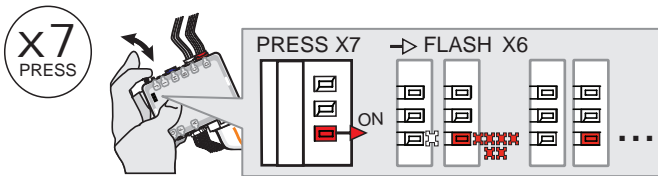


3



Insert the required remaining connectors.

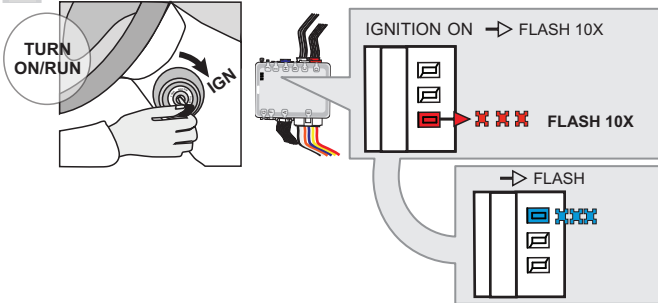
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

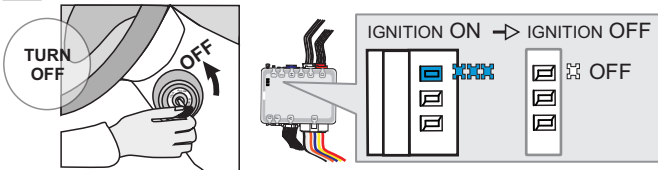


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

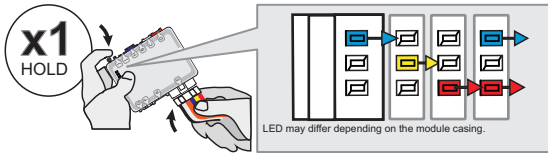


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

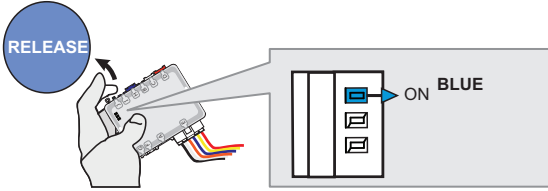
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

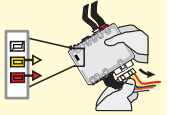
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

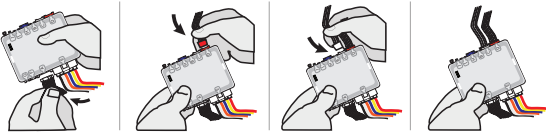


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

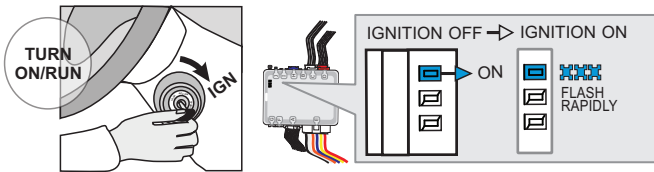


3



Insert the required remaining connectors.

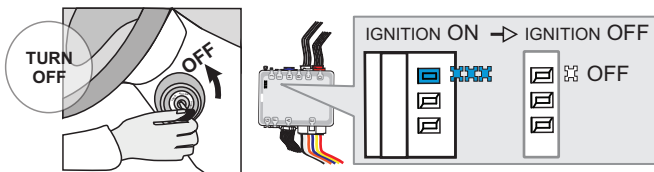
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

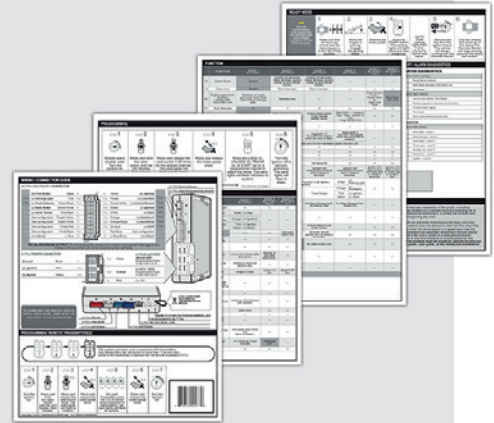


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



VEHICLE EQUIPPED WITH OEM ALARM |

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option **D2** using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.

THAR-ONE-KHY2 THARNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE		YEARS	Vehicle functions supported in this diagram (functional if equipped)															
			Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	RAP Control	Auto-Light Control	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Hood Status*	Foot-Brake Status	R.S. OEM remote Stand Alone compatible	OEM Remote monitoring
KIA																		
Ceed		Key 2019	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
XCeed		Key 2019-2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[55]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	OFF
			Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.

MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



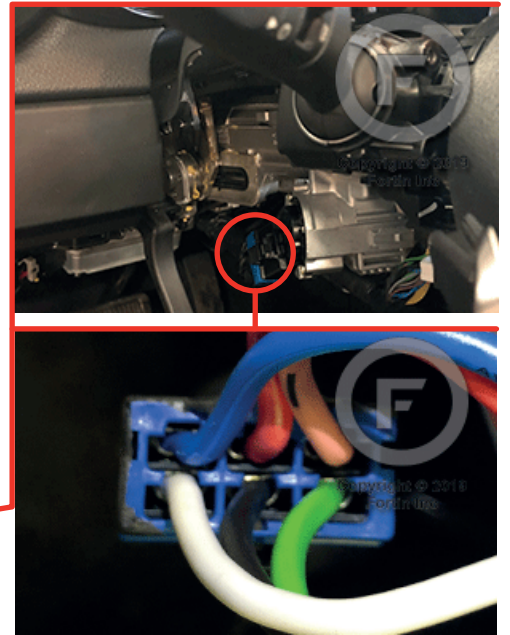
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

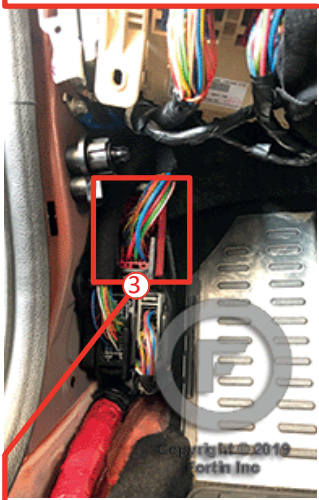
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

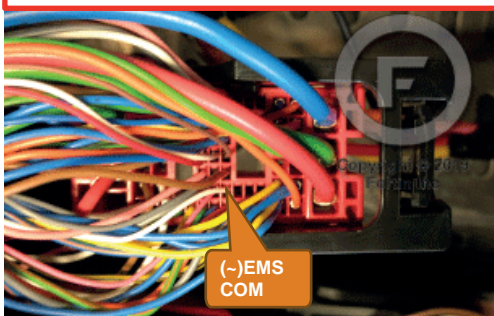
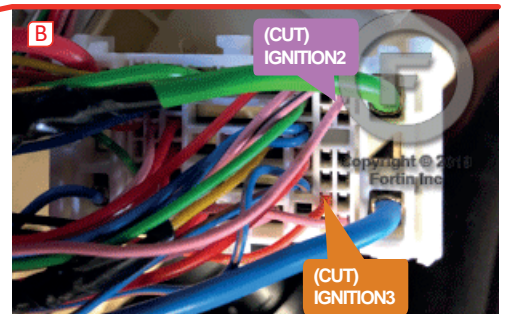
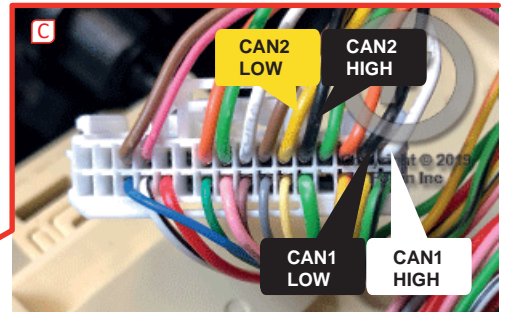
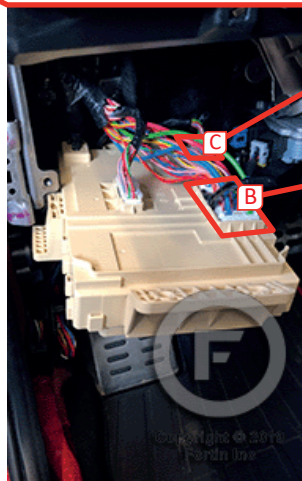
② At ignition connector.



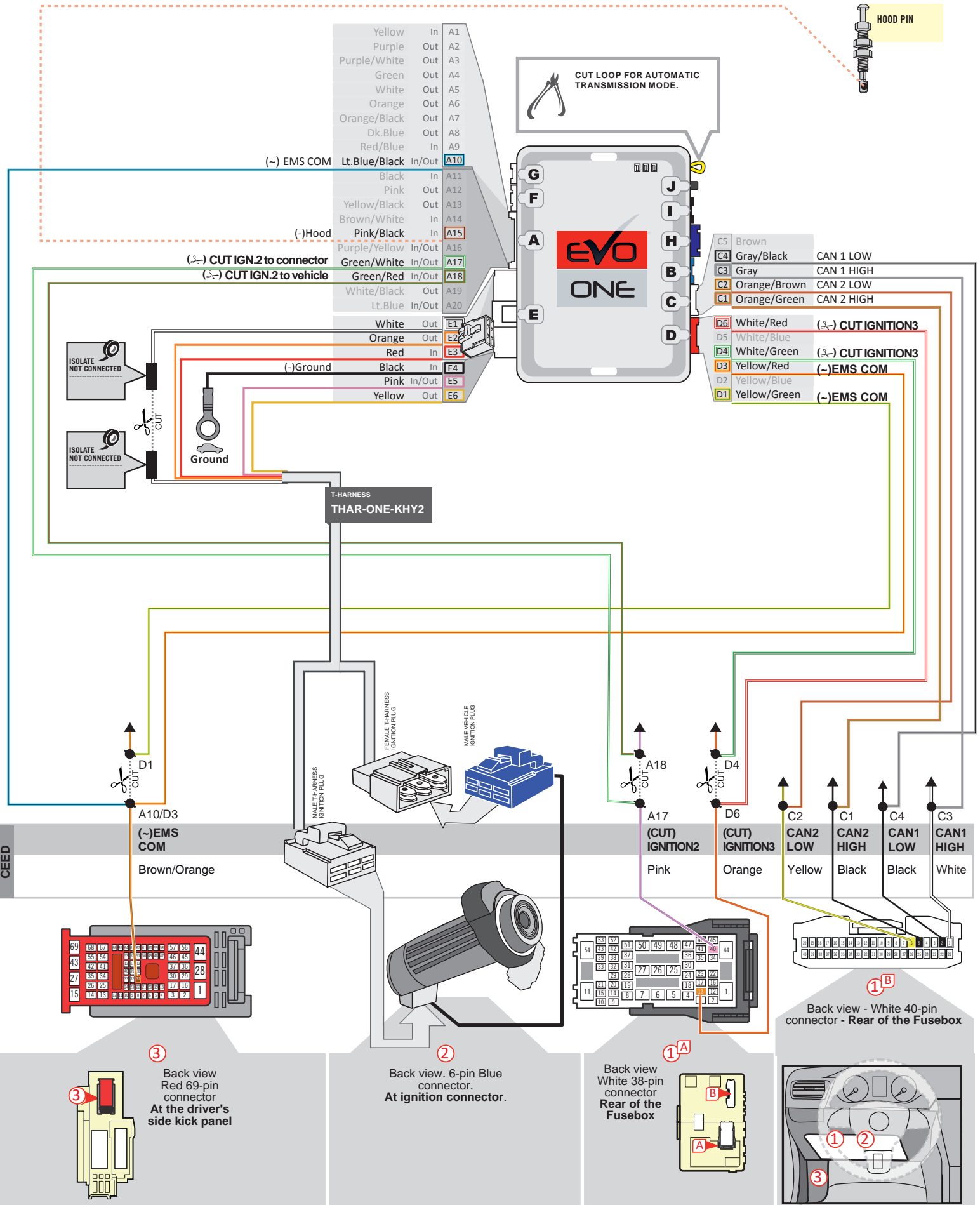
③ In the driver's side kick panel



① Rear of the Fusebox

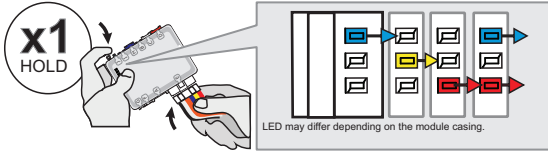


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

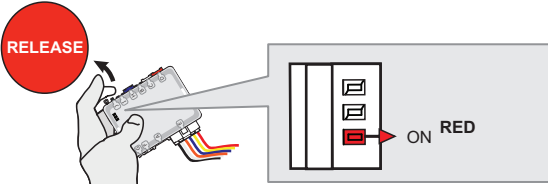
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

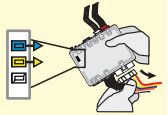
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

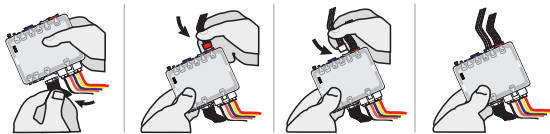


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

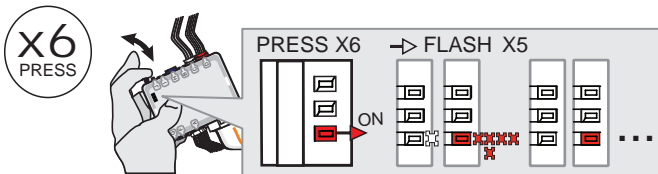


3



Insert the required remaining connectors.

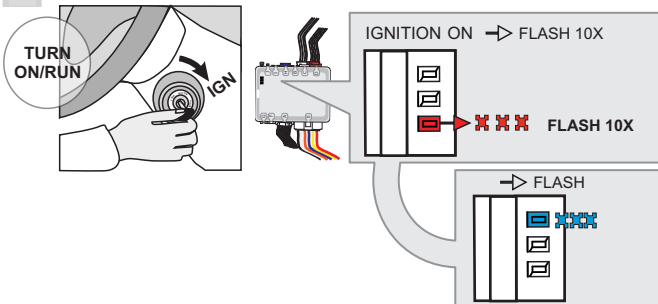
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

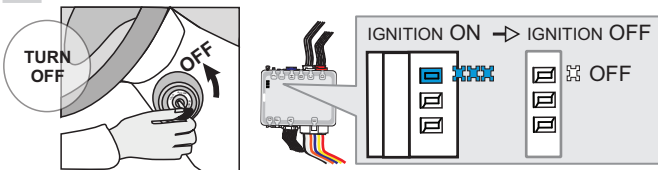


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.



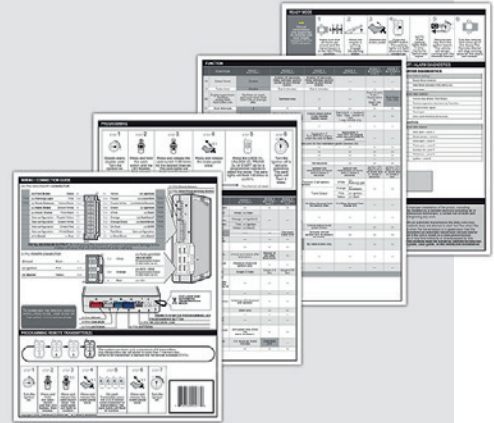
The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

REMOTE STARTER PROGRAMMING PROCEDURE



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



**THAR-ONE-KHY2 THARNESS
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped).

VEHICLE	YEARS	Immobilizer bypass	T-Harness available (sold separately)	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote stand Alone compatible
KIA																		
Forte	2019-2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	HARDWARE VERSION 7 MINIMUM	BYPASS FIRMWARE VERSION 76.[61] HYUNDAI/KIA MINIMUM	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
--	--	---	---

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION		DESCRIPTION
		A11	OFF	Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION		DESCRIPTION
		C1		OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

	Program remote starter option for R.S. OEM REMOTE STAND ALONE: :	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.

MANDATORY INSTALL
*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11
OFF
SECURITY STICKER

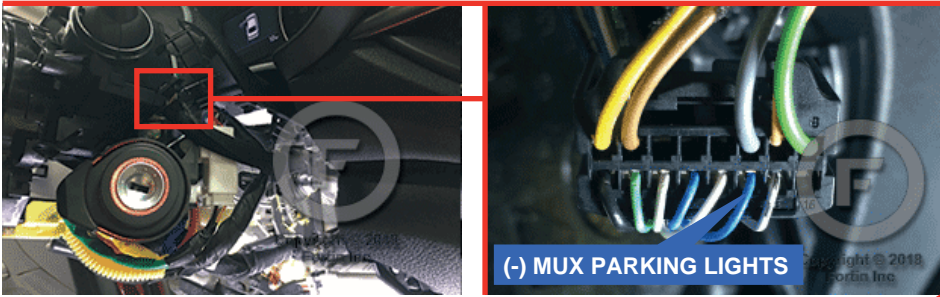

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

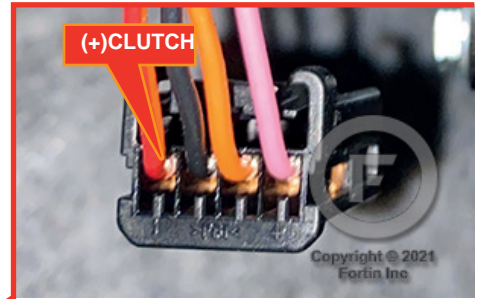
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

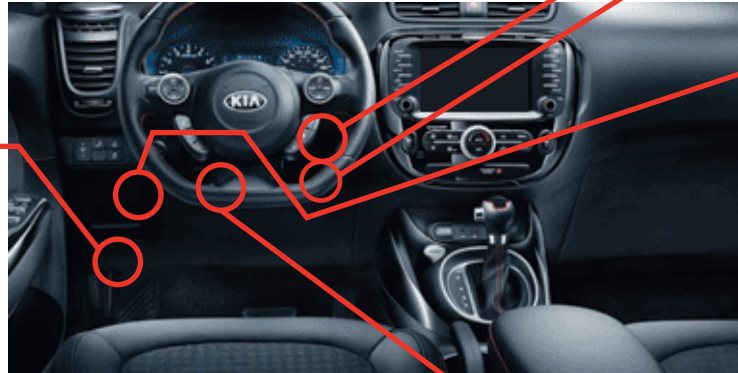
⑤ At Parking light harness, above key barrel



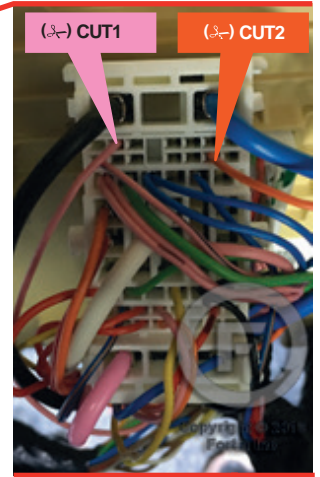
⑥ At clutch switch



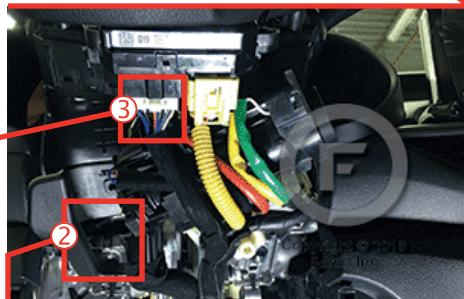
① In the driver's side kick panel



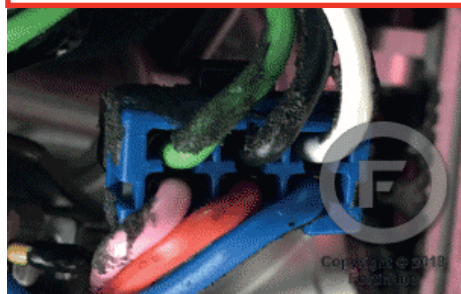
④^B Behind the fuse box



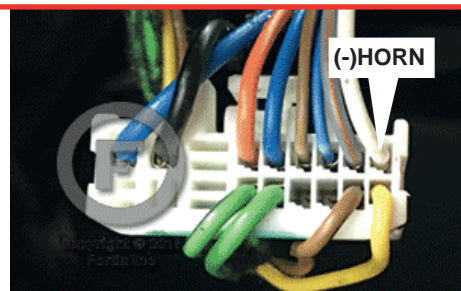
② ③ Under steering column



② Ignition switch



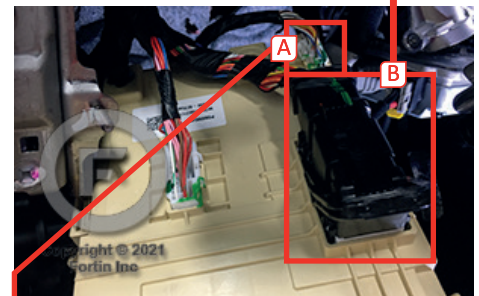
③ Horn connector



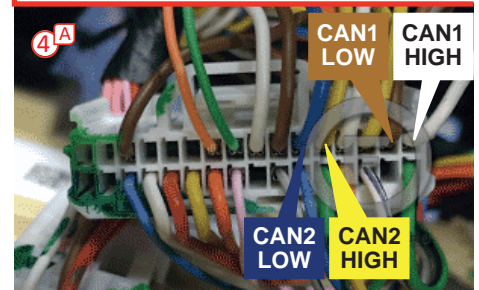
(-)EMS COM



④

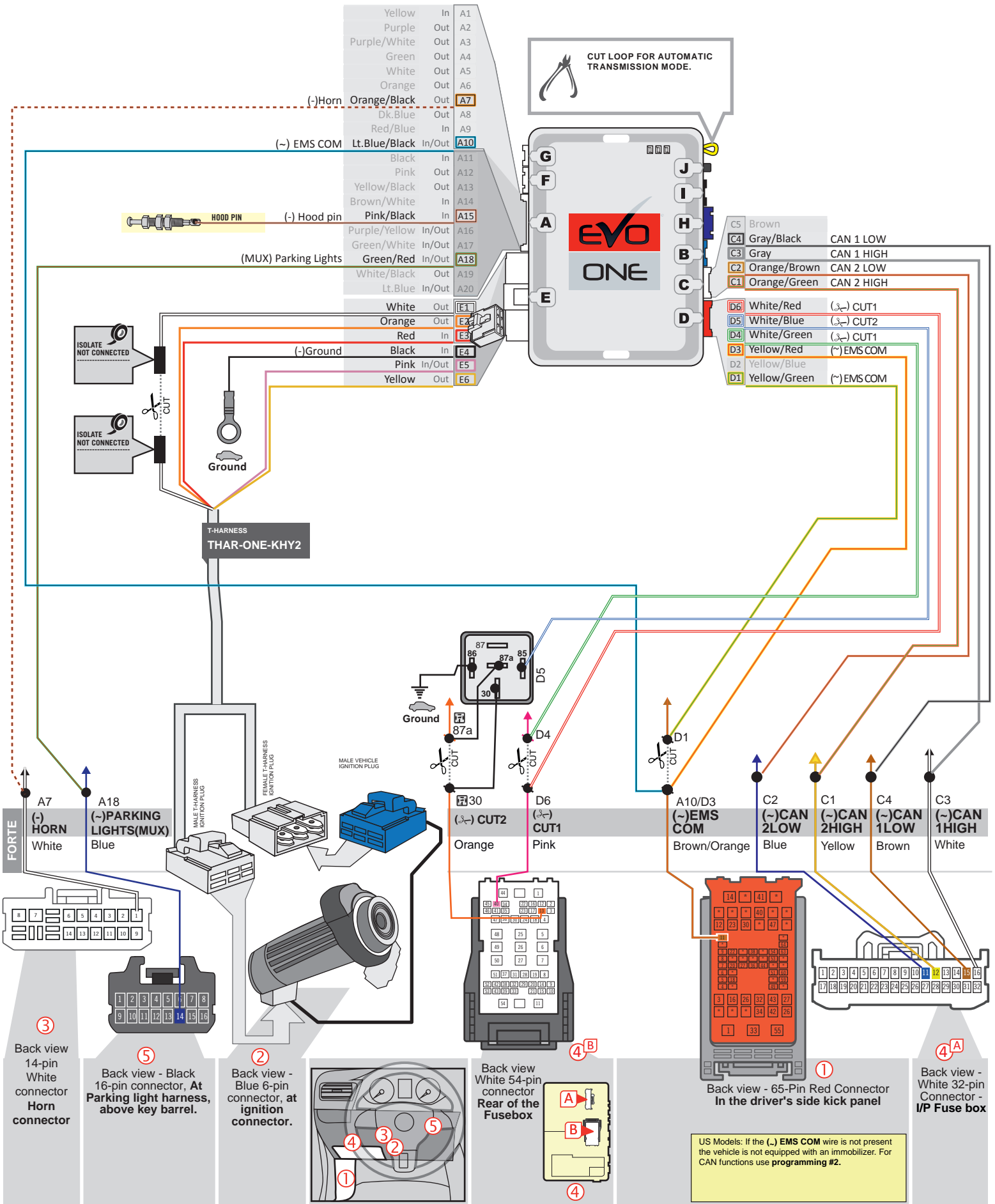


④^A

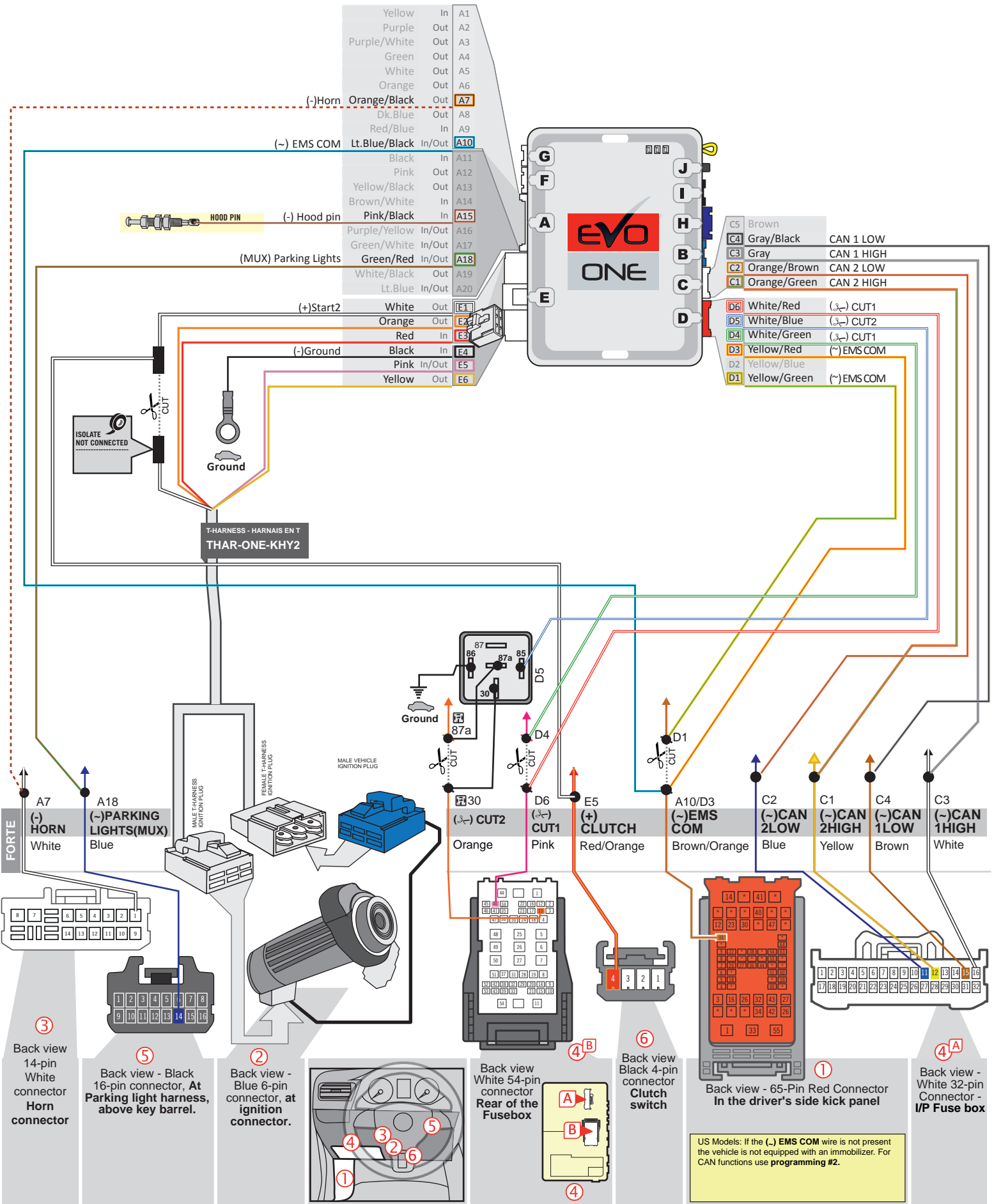


(-)HORN

AUTOMATIC TRANSMISSION WIRING CONNECTION

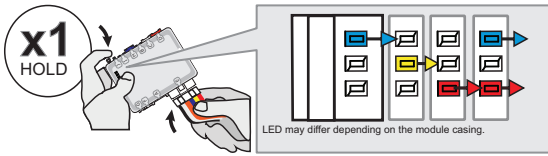


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

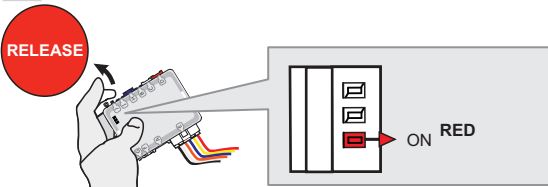
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

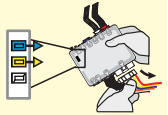
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

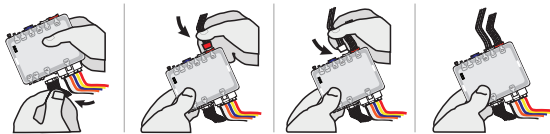


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

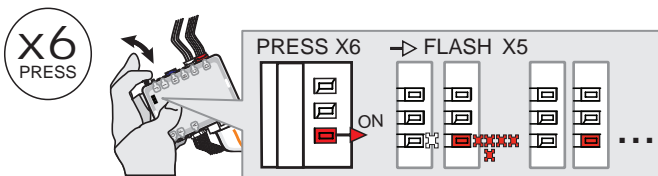


3



Insert the required remaining connectors.

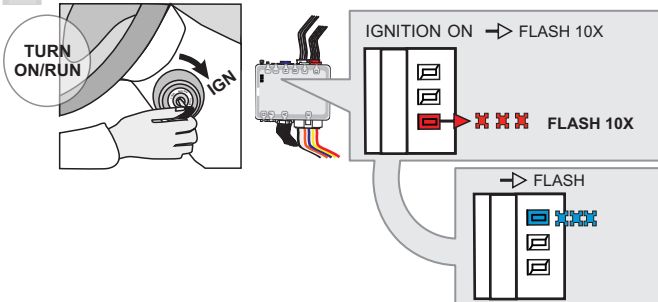
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

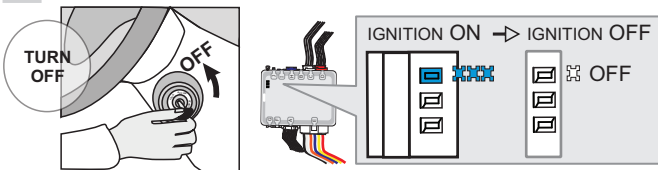


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

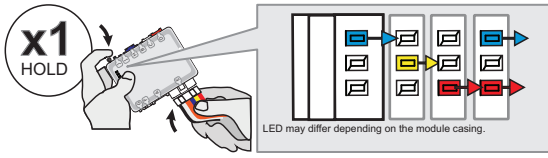


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

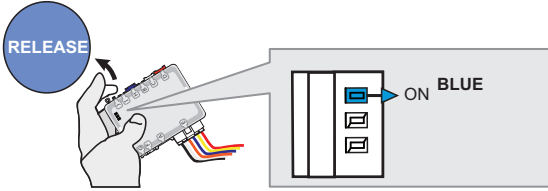
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

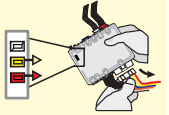
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

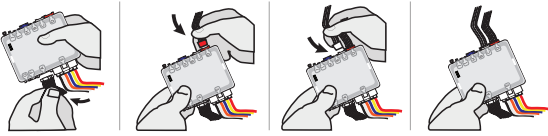


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

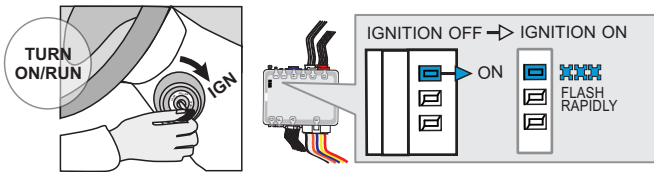


3



Insert the required remaining connectors.

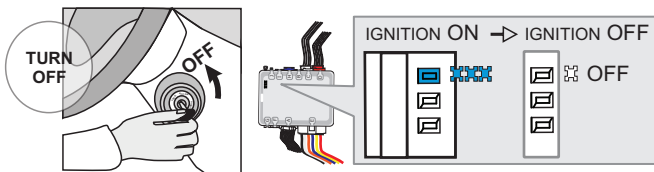
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.



The module is now programmed.

REMOTE STARTER FUNCTIONALITY

MANUAL TRANSMISSION: READY MODE

BY DEFAULT

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Press the START button for 3 seconds. <i>The parking lights will flash once and then remain on.</i>	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors. The engine will stop running once all the doors are closed.	

CHOICE 2

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Press the START button for 3 seconds. <i>The parking lights will flash once and then remain on.</i>	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors.	Lock the doors with the remote-starter remote or the OEM remote. The engine will stop running.	

CHOICE 3

The vehicle must be running.	Make sure that all doors are closed and the transmission is in the NEUTRAL position.	Press the brake pedal.	Engage the parking brake.	Release the brake pedal.	Remove the key from the ignition barrel : the vehicle will remain running with the Remote-Starter.	Exit the vehicle and close all of the doors. The engine will stop running once all the doors are closed.	

TAKE OVER AUTOMATIQUE TRANSMISSION -

All doors must be closed.	Remote start the vehicle.	Unlock the doors with the remote-starter remote or the OEM remote.	Insert and Turn the key to the Ignition ON/RUN position.	Press the brake pedal.	The vehicle can now be put in to gear and driven.

THAR-ONE-KHY2 THARNES INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	RAP Disable	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**	R.S. OEM remote Stand Alone compatible
KIA																	
Rio	2018-2019	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rio 5	2018-2019	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	HARDWARE VERSION 7 MINIMUM	BYPASS FIRMWARE VERSION 76.[54] HYUNDAI/KIA MINIMUM	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.		
	IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:		<table border="1"> <tr> <td style="font-size: 2em; color: red;">A11</td> <td style="background-color: red; color: white; text-align: center;">OFF</td> <td>Hood trigger (Output Status).</td> </tr> </table>	A11	OFF
A11	OFF	Hood trigger (Output Status).			
	Program bypass option:	UNIT OPTION	DESCRIPTION		
		C1	OEM Remote status (Lock/Unlock) monitoring		

MANUAL TRANSMISSION ONLY

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

NOTES

****OEM Remote monitoring**
 The vehicles OEM remote will be operable when the engine is running.

MANDATORY INSTALL
*** HOOD PIN**


HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11
OFF
SECURITY STICKER

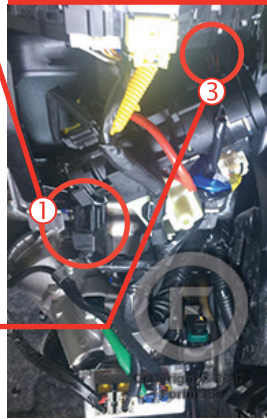

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

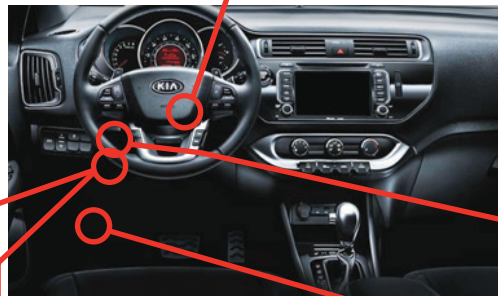
① At Ignition Connector



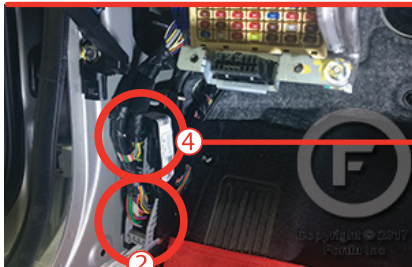
③ Under the wiper switch



⑦ Junction connector Behind fuse Box



②④ In the driver's side kick panel



(-) CAN1 HIGH

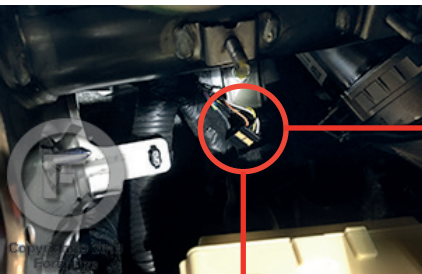


(-) CAN2 HIGH

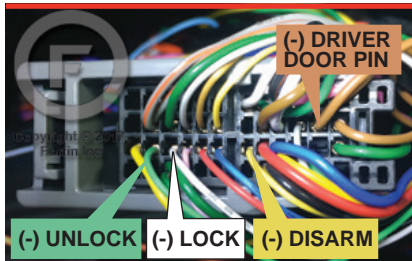
(-) CAN1 LOW

(-) CAN2 LOW

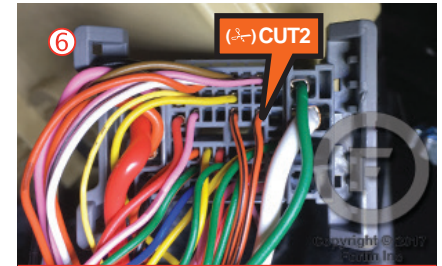
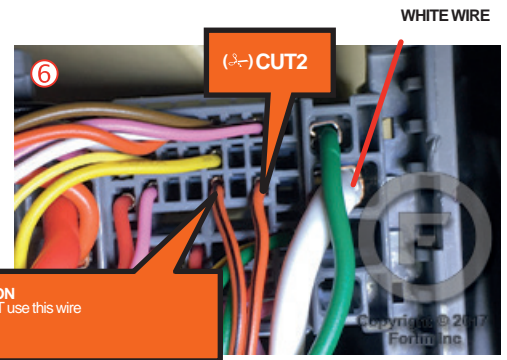
⑧ At clutch switch



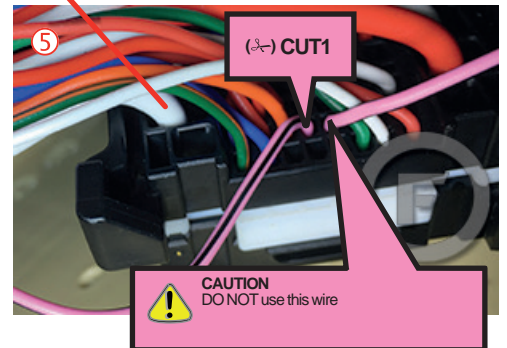
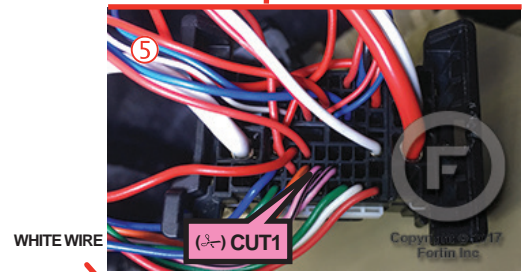
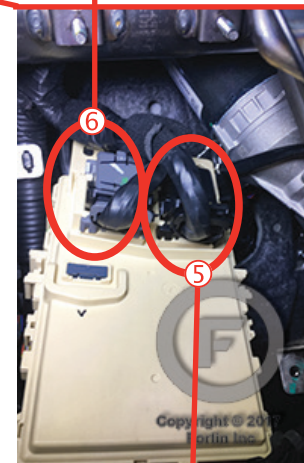
④



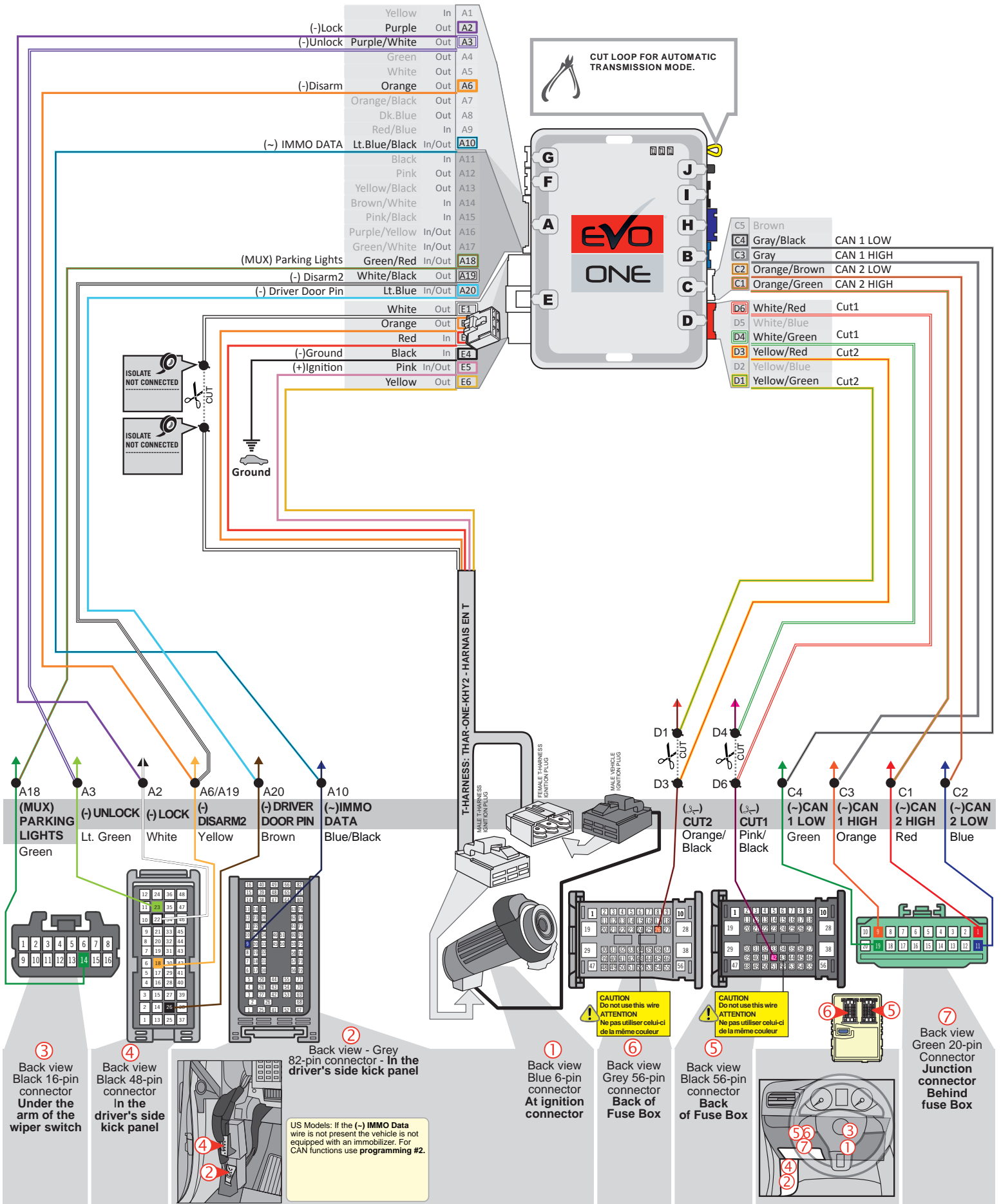
(+) CLUTCH SWITCH



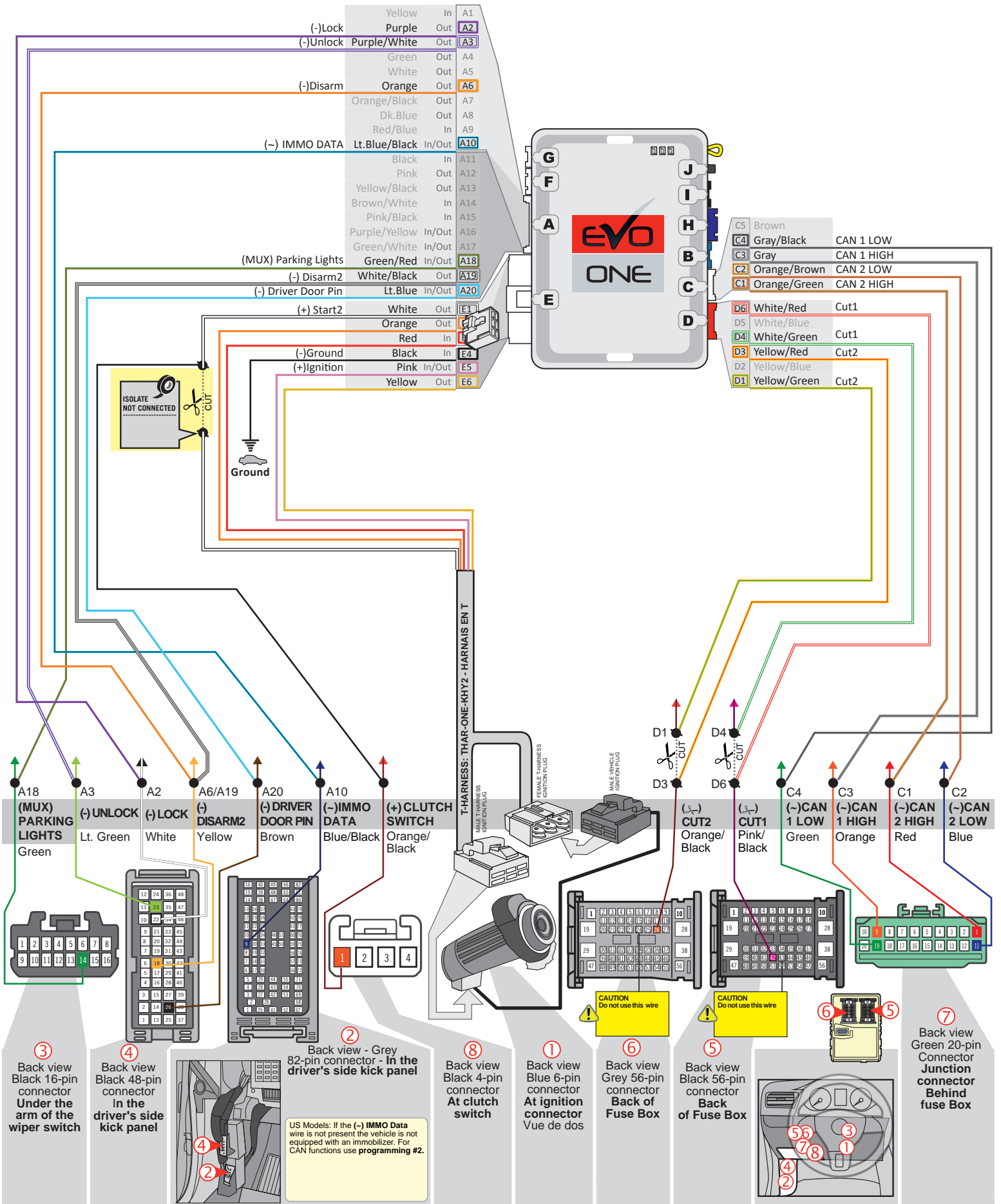
⑤⑥ Back of Fuse Box



AUTOMATIC TRANSMISSION WIRING CONNECTION

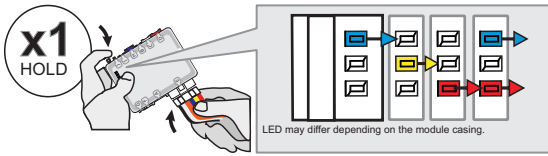


MANUAL TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

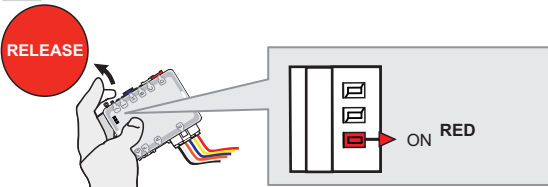
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

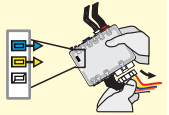
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

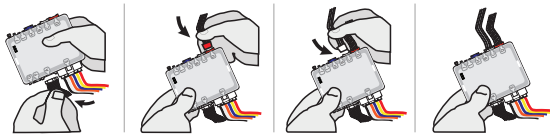


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

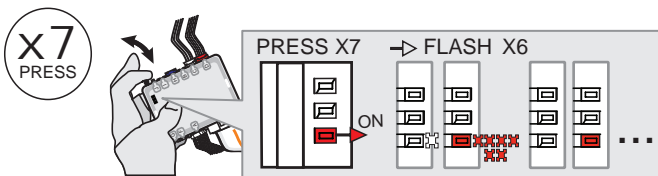


3



Insert the required remaining connectors.

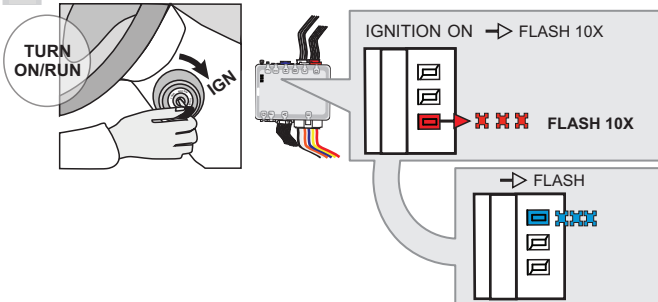
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

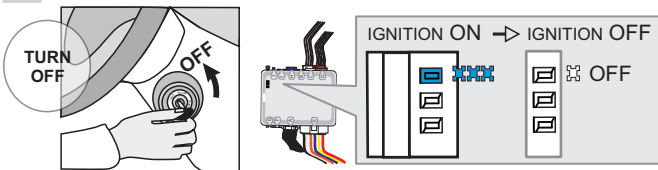


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

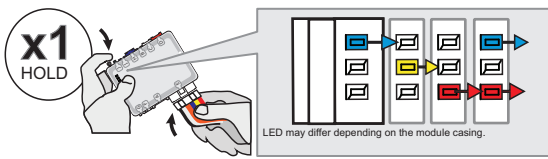


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

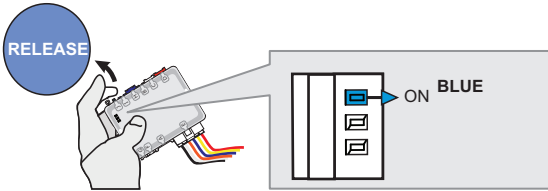
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

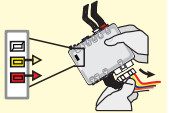
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

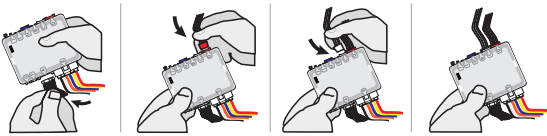


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

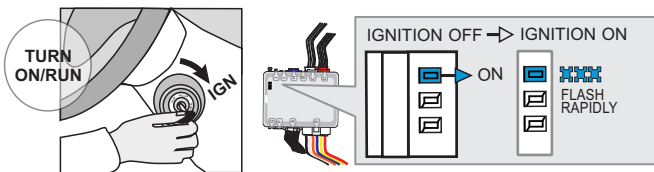


3



Insert the required remaining connectors.

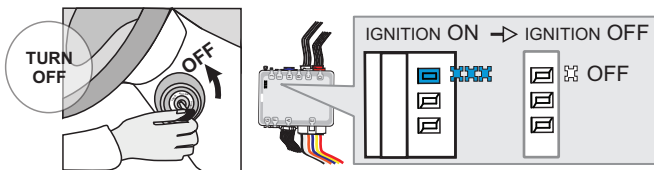
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

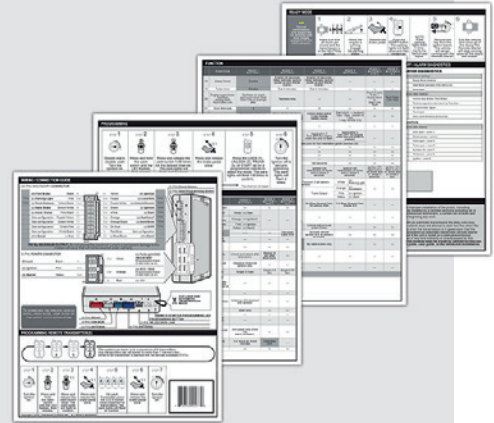


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



**THAR-ONE-KHY2 THARNSS
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION



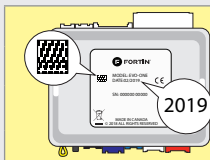
Vehicle functions supported in this diagram (functional if equipped)

VEHICLE

YEARS

Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Parking Lights	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring	R.S. OEM remote Stand Alone compatible
--------------------	-----------	------	--------	-----	--------	----------------	------------	-------------	--------------	-------------------	-------------------	--------------	-----------------------	--

KIA															
Sorento	2021	•	•	•	•	•	•	•	•	•	•	•	•	•	•



**COMPATIBLE
MODULE
REQUIRED:**

**QR CODE ON THE
LABEL
MANUFACTURED
AFTER: 2019**

FIRMWARE VERSION

91.[01]
MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



Program bypass option:

UNIT OPTION

DESCRIPTION

C1

OEM Remote status (Lock/Unlock) monitoring

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

A11

OFF

Hood trigger (Output Status).



**Program remote
starter option for R.S.
OEM REMOTE STAND
ALONE:**

FUNCTION

MODE

DESCRIPTION

38

2

Enable
Press 3x Lock to remote start with the OEM remote.

NOTES

The TPMS light will flash under remote start and turn off after the take-over procedure is completed.

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



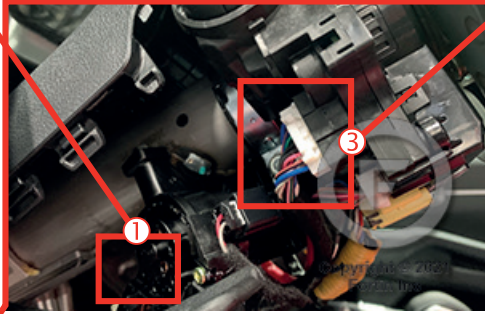
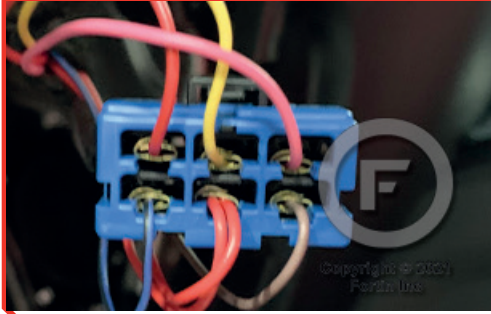
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

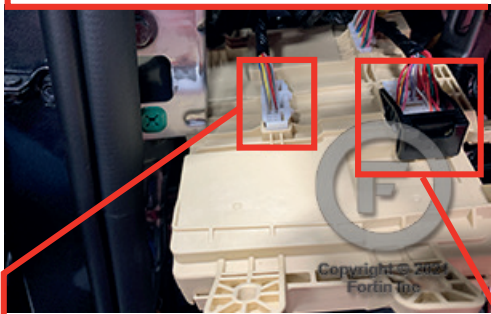
① Ignition switch



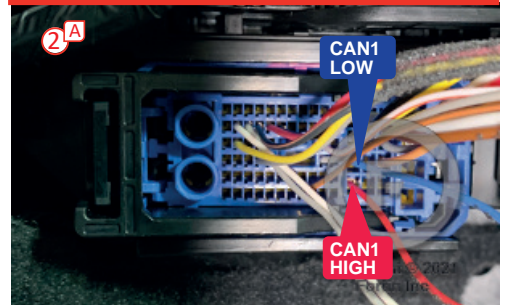
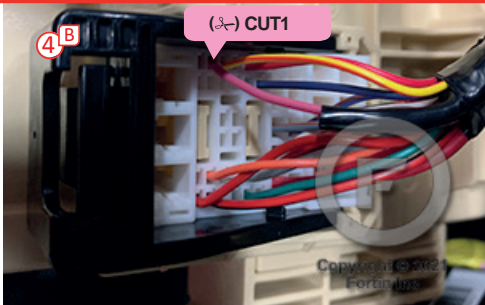
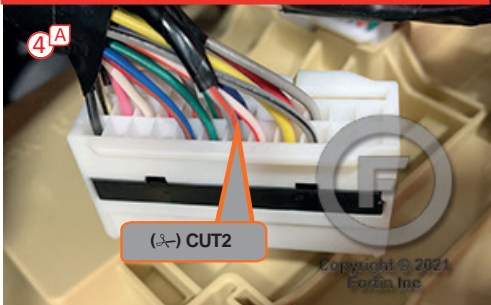
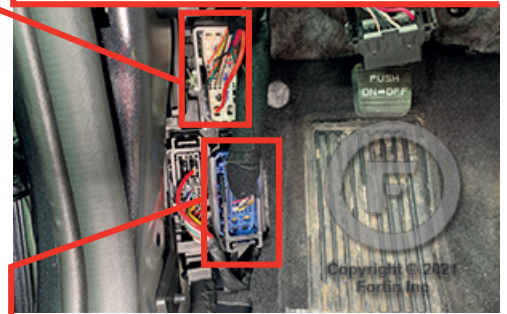
③ Parking lights switch



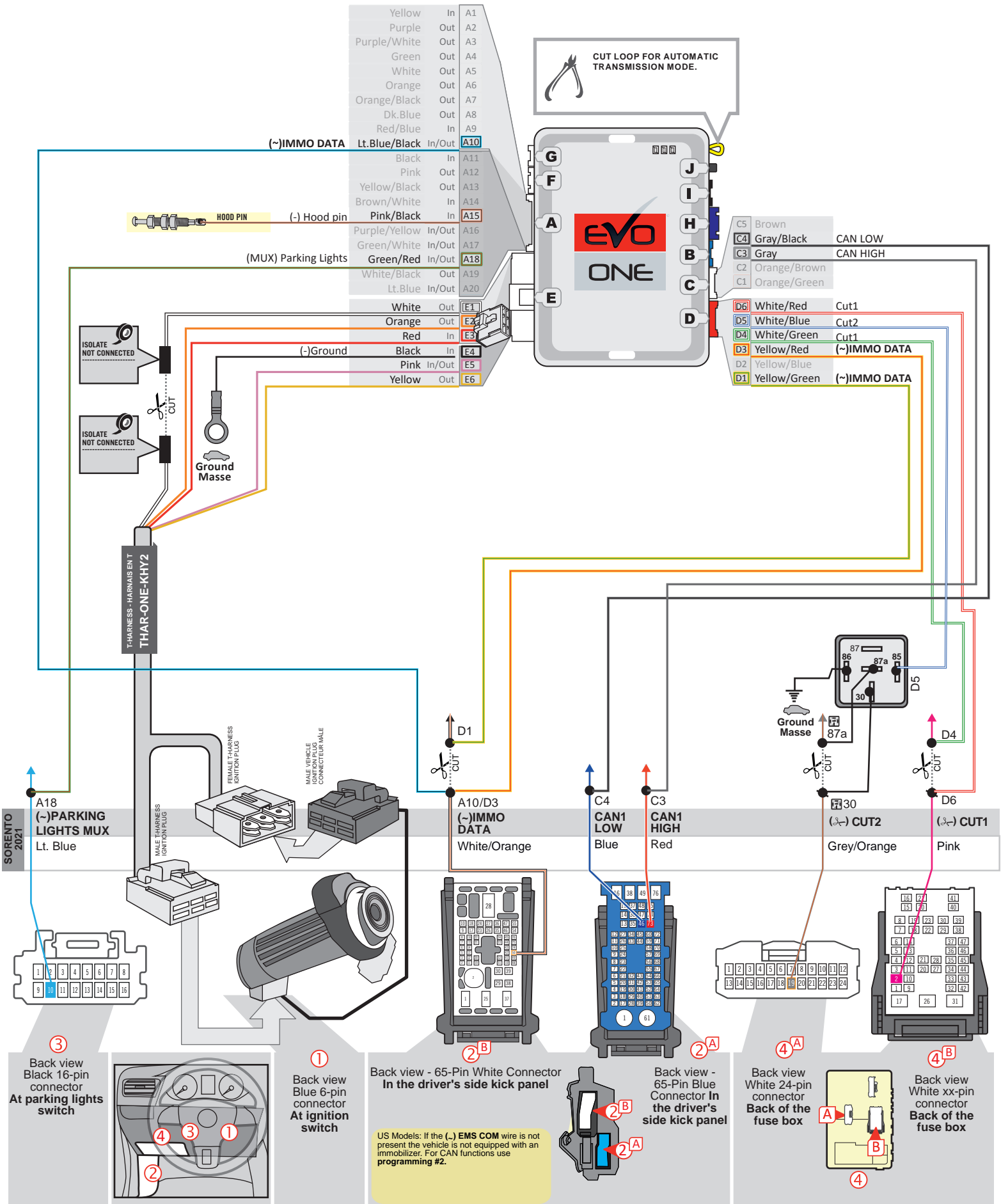
④ Back of the fuse box



② At Driver kick panel

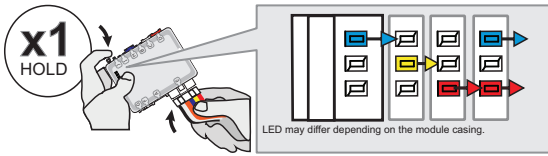


AUTOMATIC TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

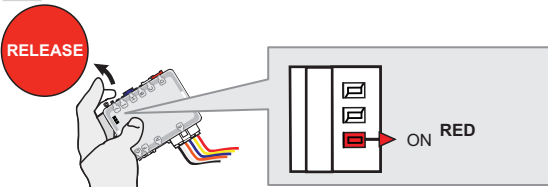
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

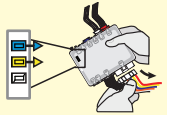
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

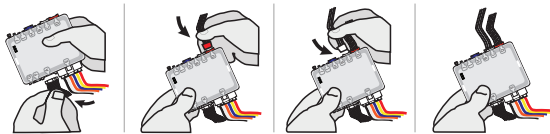


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

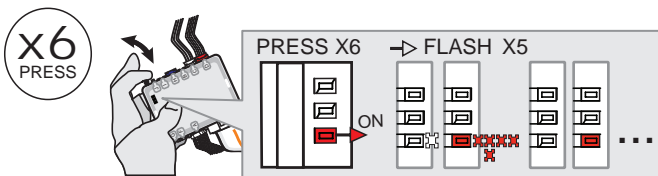


3



Insert the required remaining connectors.

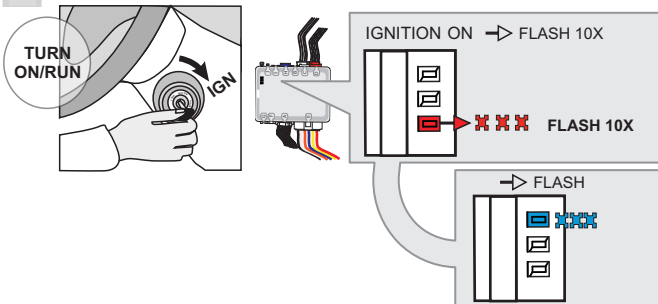
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

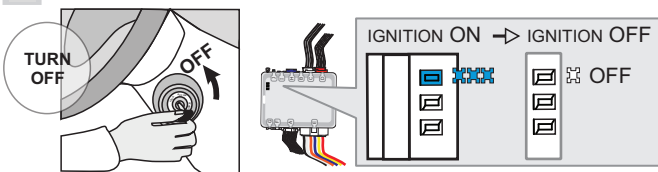


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

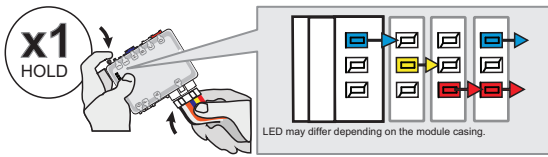


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

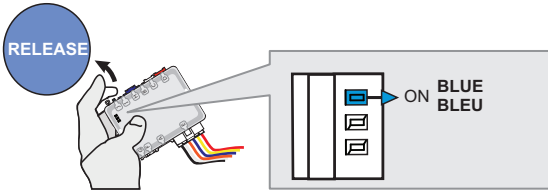
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

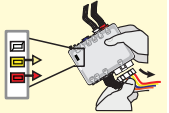
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

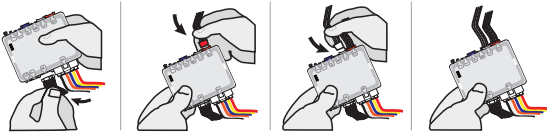


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

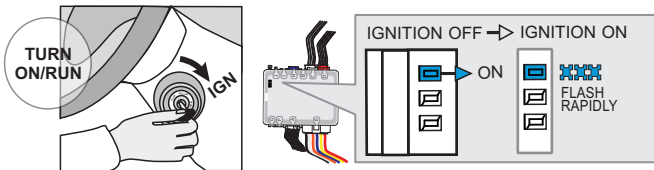


3



Insert the required remaining connectors.

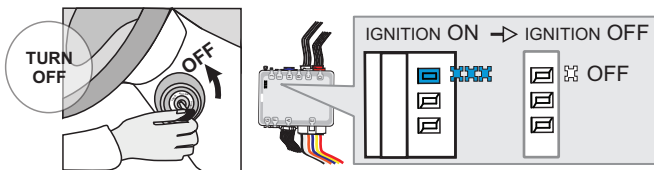
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

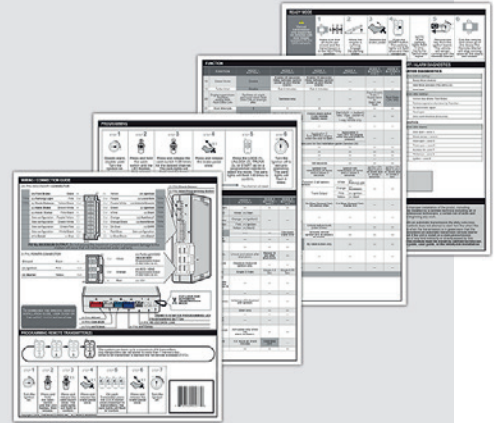


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY



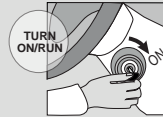
All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

**THAR-ONE-KHY2 THARNESSE
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION

Vehicle functions supported in this diagram (functional if equipped).

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote stand Alone compatible
KIA Sportage	2020-2022	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

**BYPASS
FIRMWARE VERSION**

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
	A11	OFF	Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.


Parts required (Not included)

1X relay

MANDATORY INSTALL
*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11
OFF
SECURITY STICKER

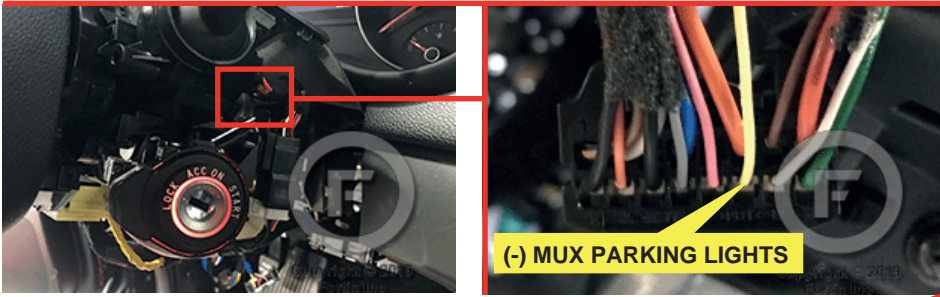

Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

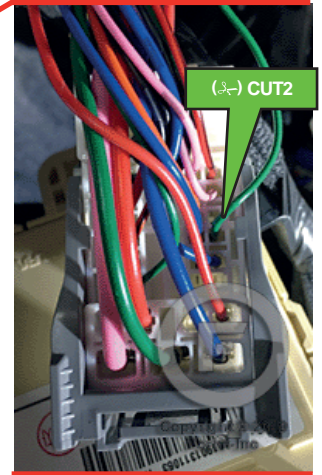
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

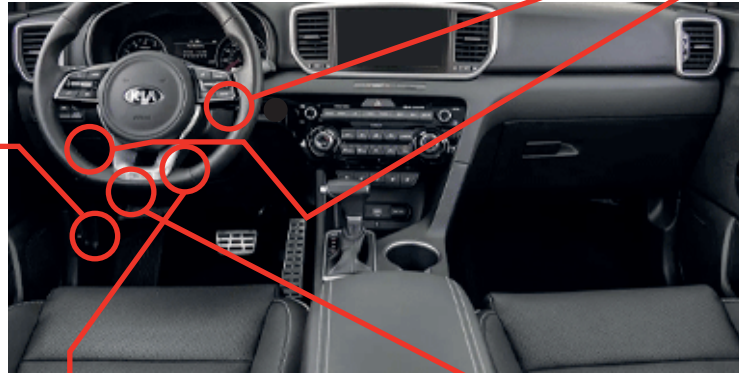
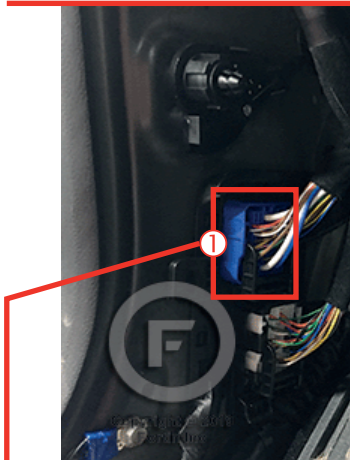
⑤ At Parking light harness, above key barrel



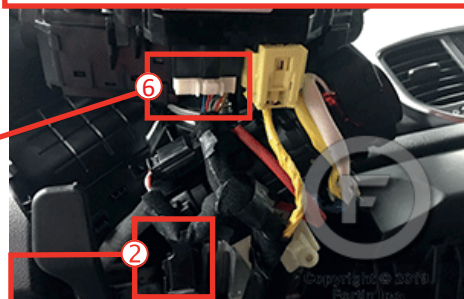
④B Behind the fuse box



① In the driver's side kick panel



② ⑥ Under steering column



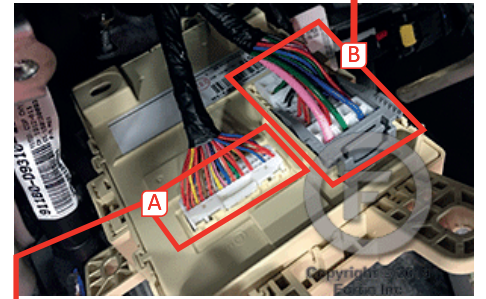
② Ignition switch



⑥ Horn connector



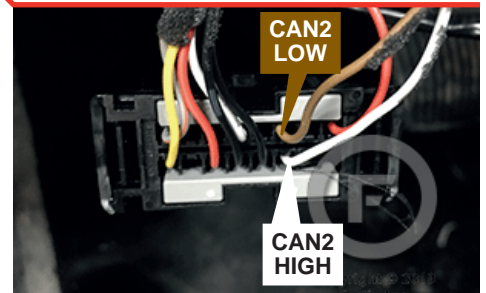
④



④A



③ OBDII connector



(-)EMS COM

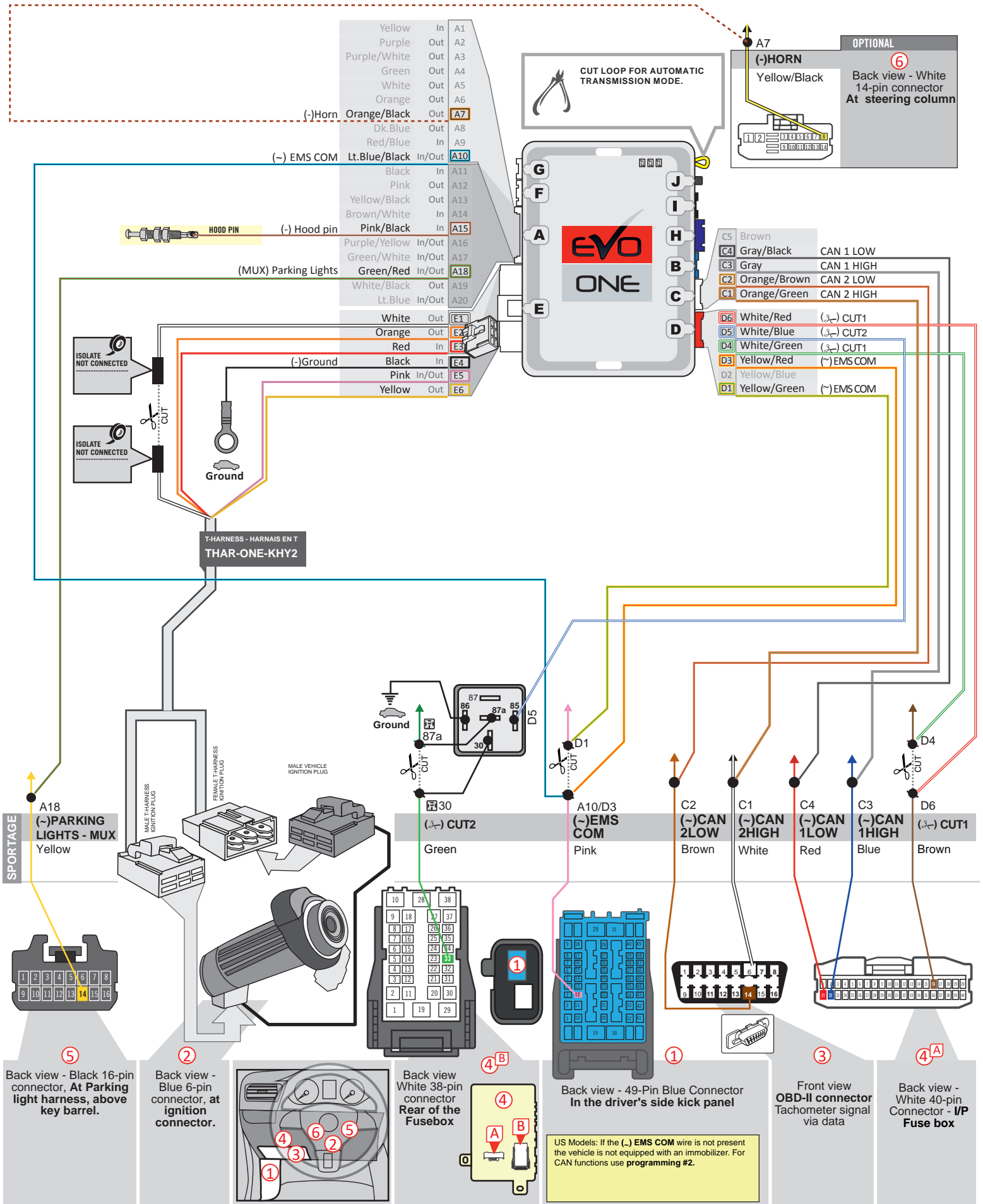
CAN2 LOW

CAN2 HIGH

CAN1 LOW

CAN1 HIGH

WIRING CONNECTION



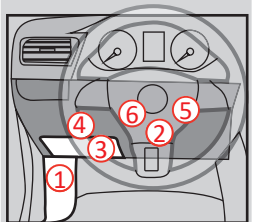
OPTIONAL
 ⑥ Back view - White 14-pin connector At steering column

CUT LOOP FOR AUTOMATIC TRANSMISSION MODE.

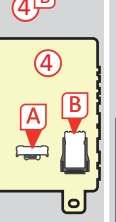
SPORTAGE
 A18 (-)PARKING LIGHTS - MUX
 Yellow

⑤ Back view - Black 16-pin connector, At Parking light harness, above key barrel.

② Back view - Blue 6-pin connector, at ignition connector.



④B Back view White 38-pin connector Rear of the Fusebox



① Back view - 49-Pin Blue Connector In the driver's side kick panel

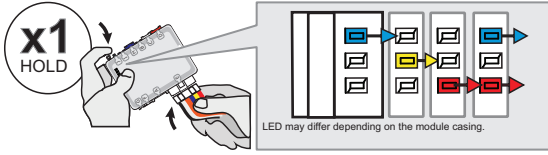
US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.

③ Front view OBD-II connector Tachometer signal via data

④A Back view - White 40-pin Connector - I/P Fuse box

KEY BYPASS PROGRAMMING PROCEDURE

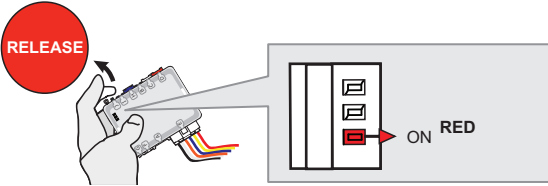
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

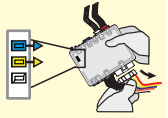
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

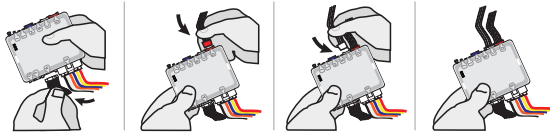


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

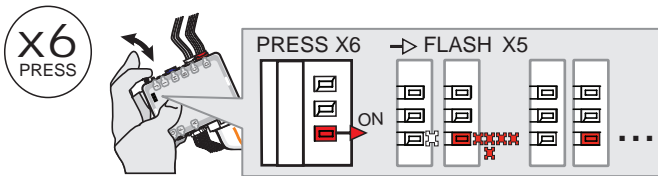


3



Insert the required remaining connectors.

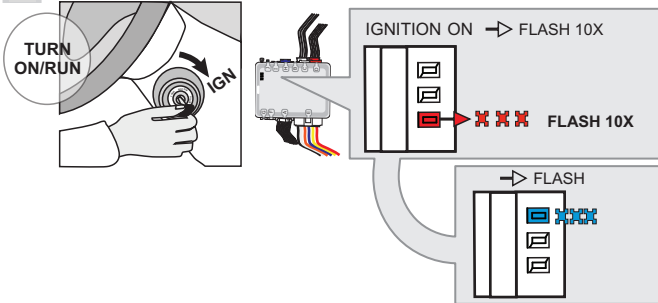
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

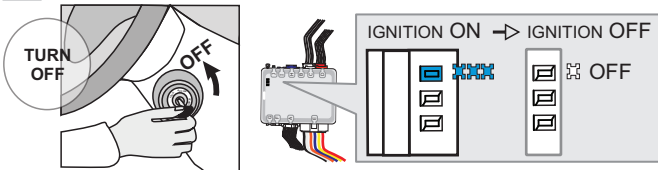


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

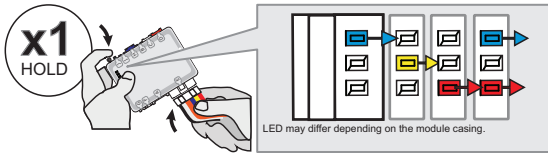


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

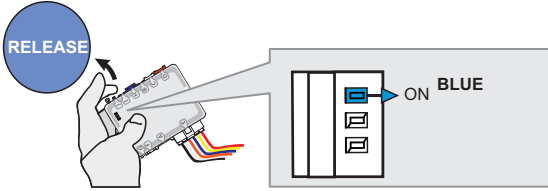
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

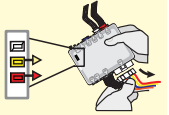
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

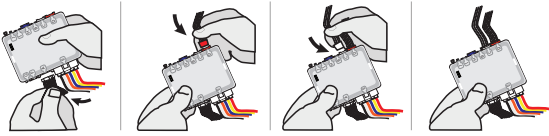


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

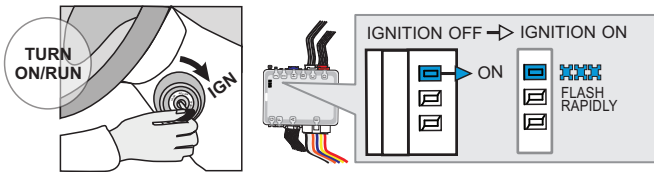


3



Insert the required remaining connectors.

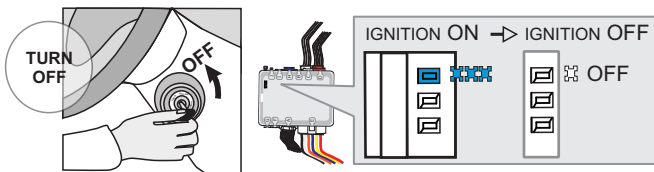
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

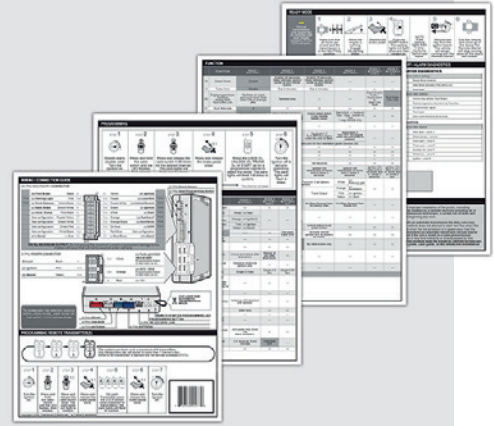


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.




Press the brake pedal.





The vehicle can now be put in to gear and driven.


**THAR-ONE-KHY2 THARNSS
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION


	Vehicle functions supported in this diagram (functional if equipped).									
	Immobilizer bypass	Lock	Unlock	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	R.S. OEM remote Stand Alone compatible	OEM Remote monitoring
VEHICLE	YEARS									
KIA										
Ceed	key 2013-2018									
	•	•	•	•	•	•	•	•	•	•

	BYPASS FIRMWARE VERSION		To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
	62.10	ONLY - SEULEMENT	

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.

MANDATORY INSTALL

*** HOOD PIN**  **HOOD STATUS:** THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER

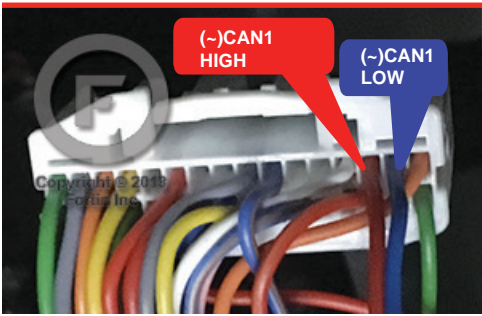
 Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

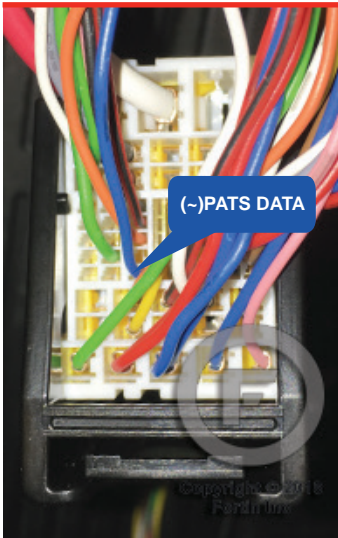
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

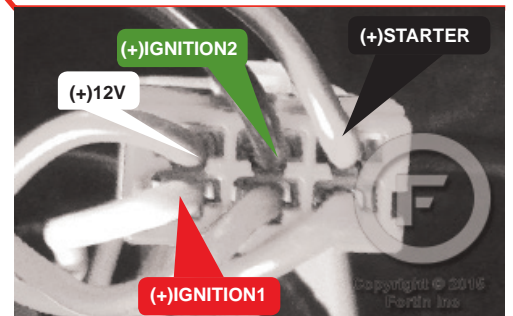
③ Back of fuse box



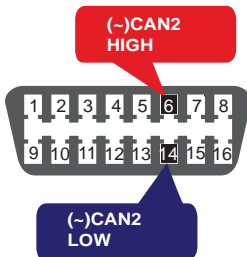
① Driver Kick Panel



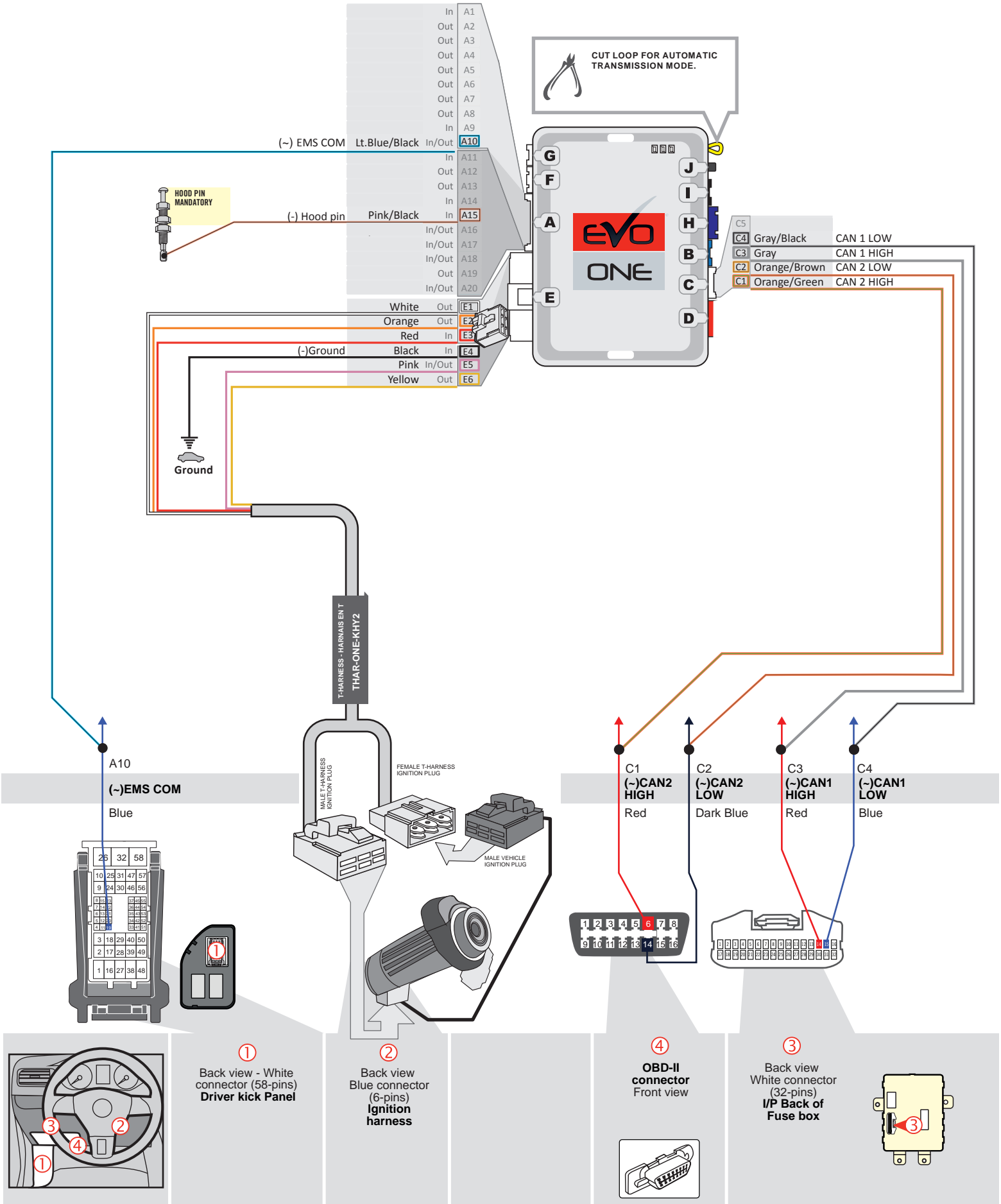
② Ignition harness



④ OBDII connector

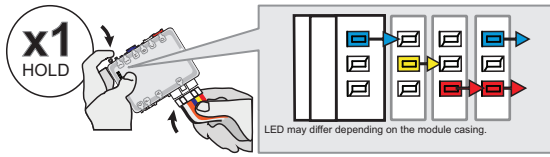


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE |

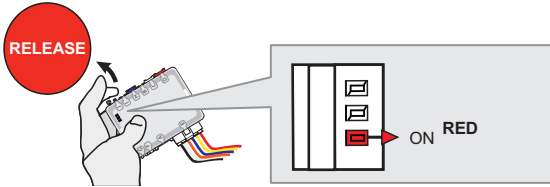
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

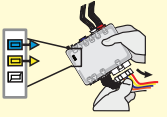
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

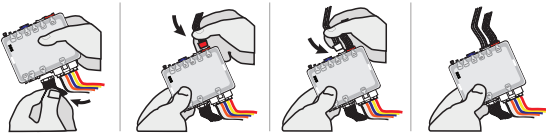


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

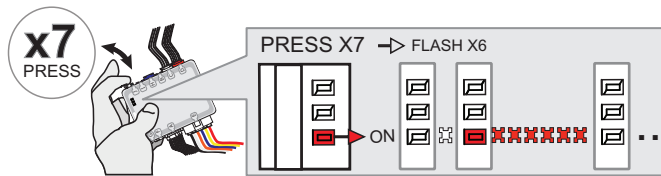


3



Insert the required remaining connectors.

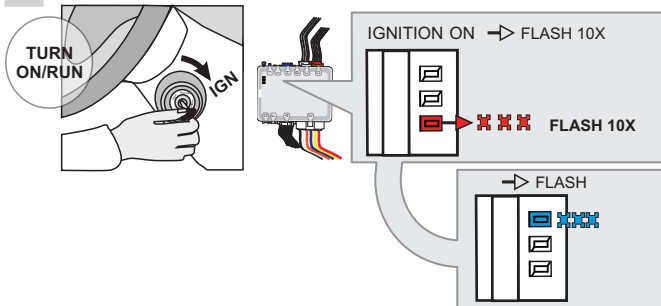
4



Press and release the programming button seven (7x) times.

↳ The RED LED will flash 6 times each second.

5

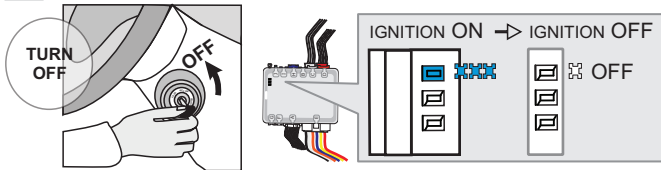


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
 Key bypass programmed.

↳ The BLUE LED will flash rapidly.
 CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.



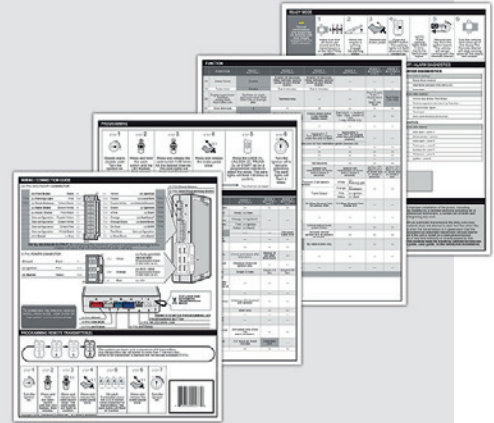
The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |

AUTOMATIC TRANSMISSION



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.



If the procedure is not followed, the vehicle engine will shut down for safety.

THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



VEHICLE

YEARS

Vehicle functions supported in this diagram (functional if equipped).

Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	Tachometer	Parking Lights	Auto-lights	Horn	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	Hood Status*	OEM Remote monitoring*
KIA																
Forte5	key 2017-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	<div style="background-color: red; color: white; padding: 5px; display: inline-block;">OFF</div>
			Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	3	(+) Start 2 (E1)

NOTES

The vehicles OEM remote will not be operable during remote start.

MANDATORY INSTALL

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER

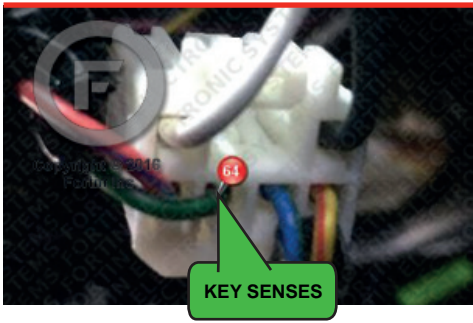
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

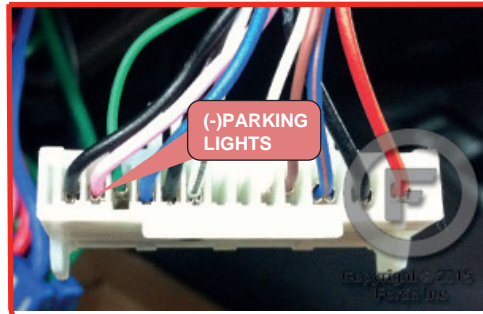
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

⑥ Close to the ignition harness



② Light switch



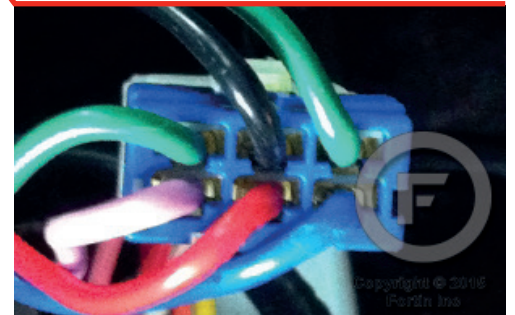
④ Back of fuse box



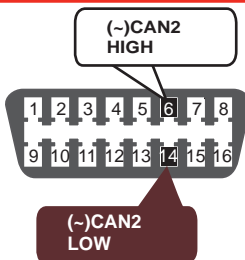
① Driver Kick Panel



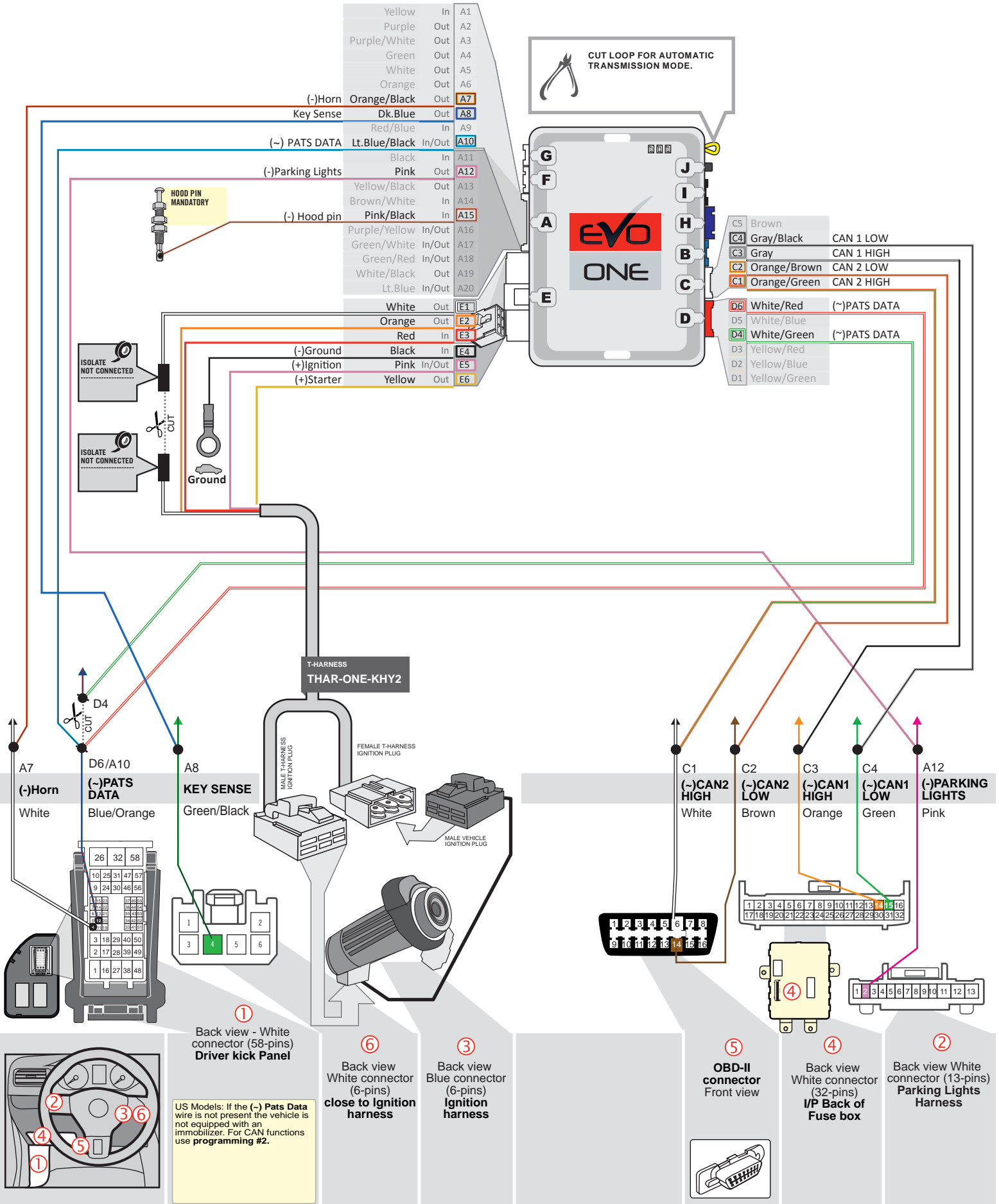
③ Ignition harness



⑤ OBDII connector

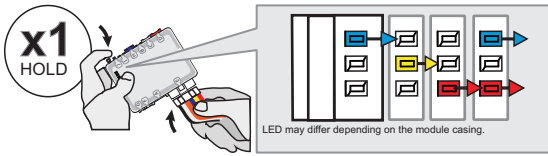


AUTOMATIC TRANSMISSION WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

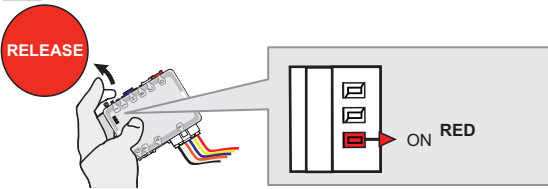
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

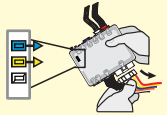
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

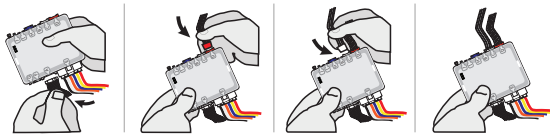


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

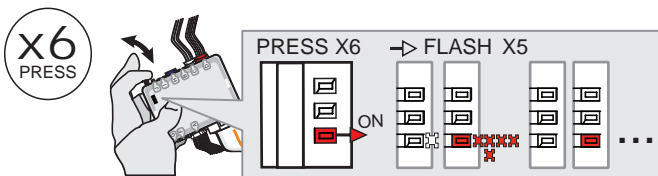


3



Insert the required remaining connectors.

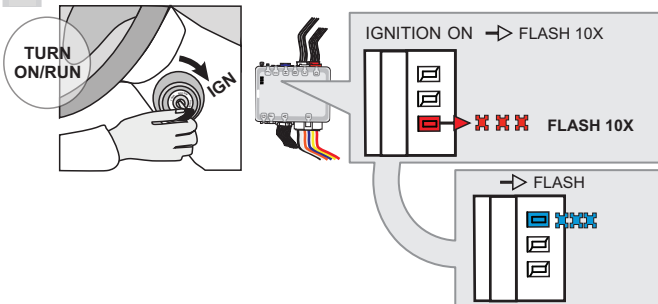
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

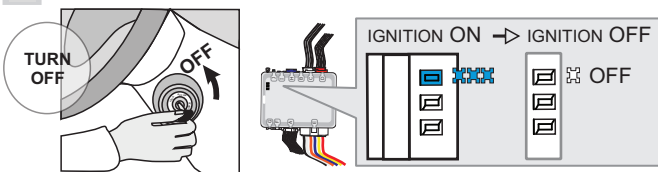


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

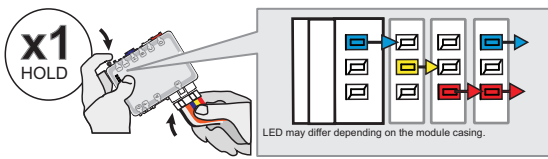


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

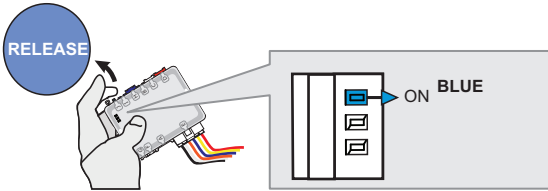
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

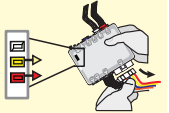
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

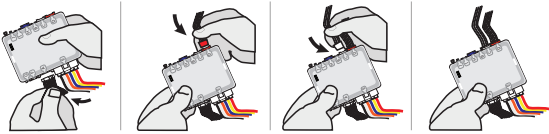


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

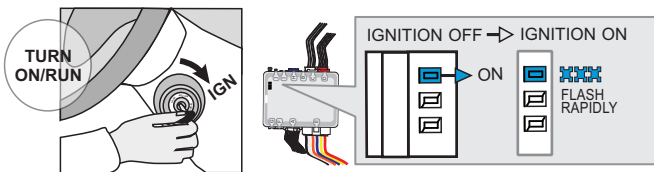


3



Insert the required remaining connectors.

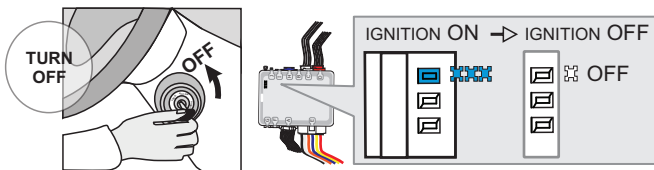
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

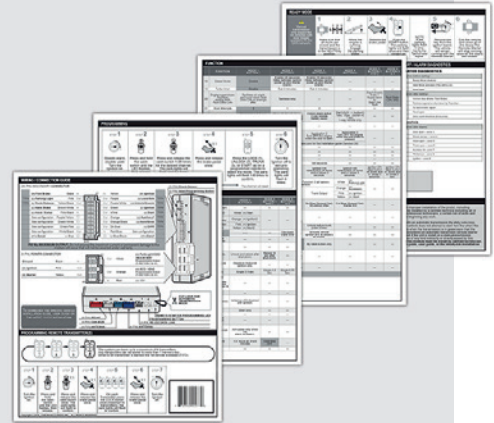


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



VEHICLE EQUIPPED WITH OEM ALARM |

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option **D2** using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.

THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)																		
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	RAP Control	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote Stand Alone compatible	
KIA																				
Niro Hybrid	2017-2019	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	COMPATIBLE MODULE REQUIRED:	QR CODE ON THE LABEL MANUFACTURED AFTER: 2019	FIRMWARE VERSION		To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
			76.[56] MINIMUM		

	IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	A11	OFF	Hood trigger (Output Status).
				(Empty cell)

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program bypass option (Vehicle hybrid only):	UNIT OPTION	DESCRIPTION
		D4	Hybrid mode (Vehicle hybrid only)

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.



Parts required (Not included)

1X relay

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



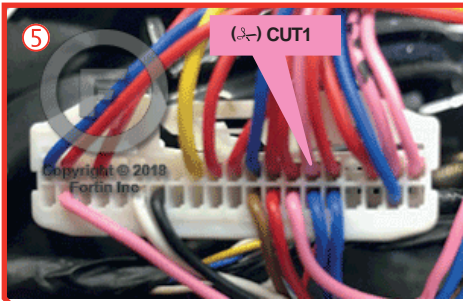
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

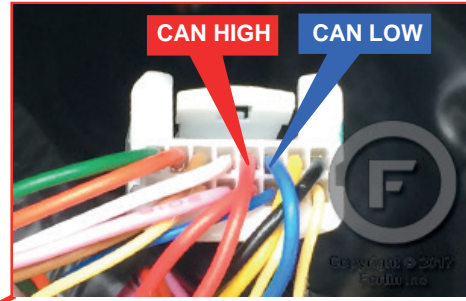
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

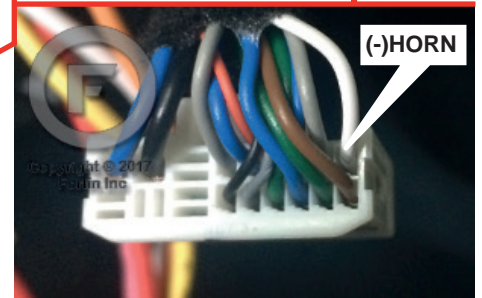
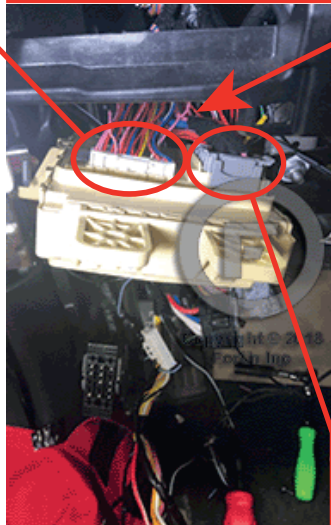
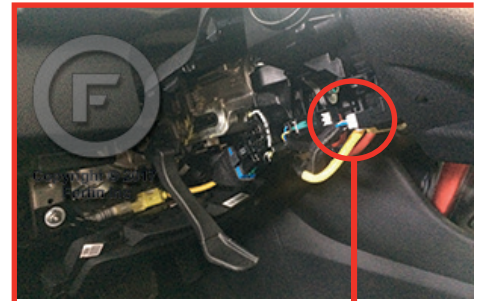
④ ⑤ ⑥ Behind the fuse box



④ Behind the fuse box

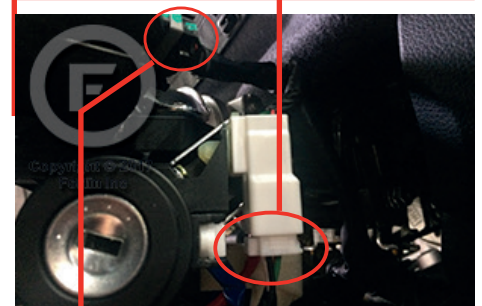
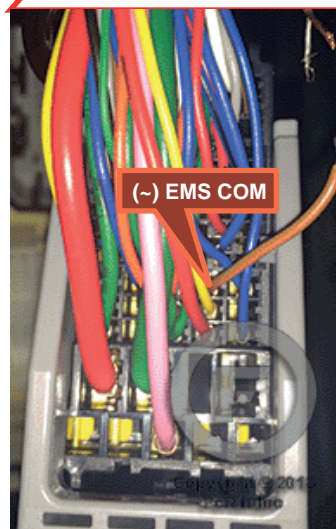
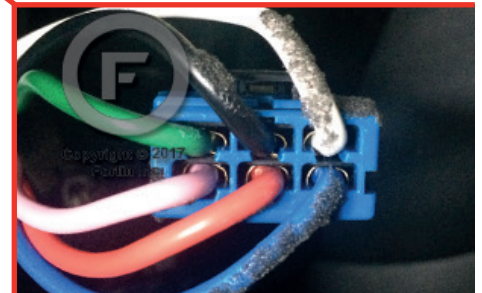


③ Behind steering column

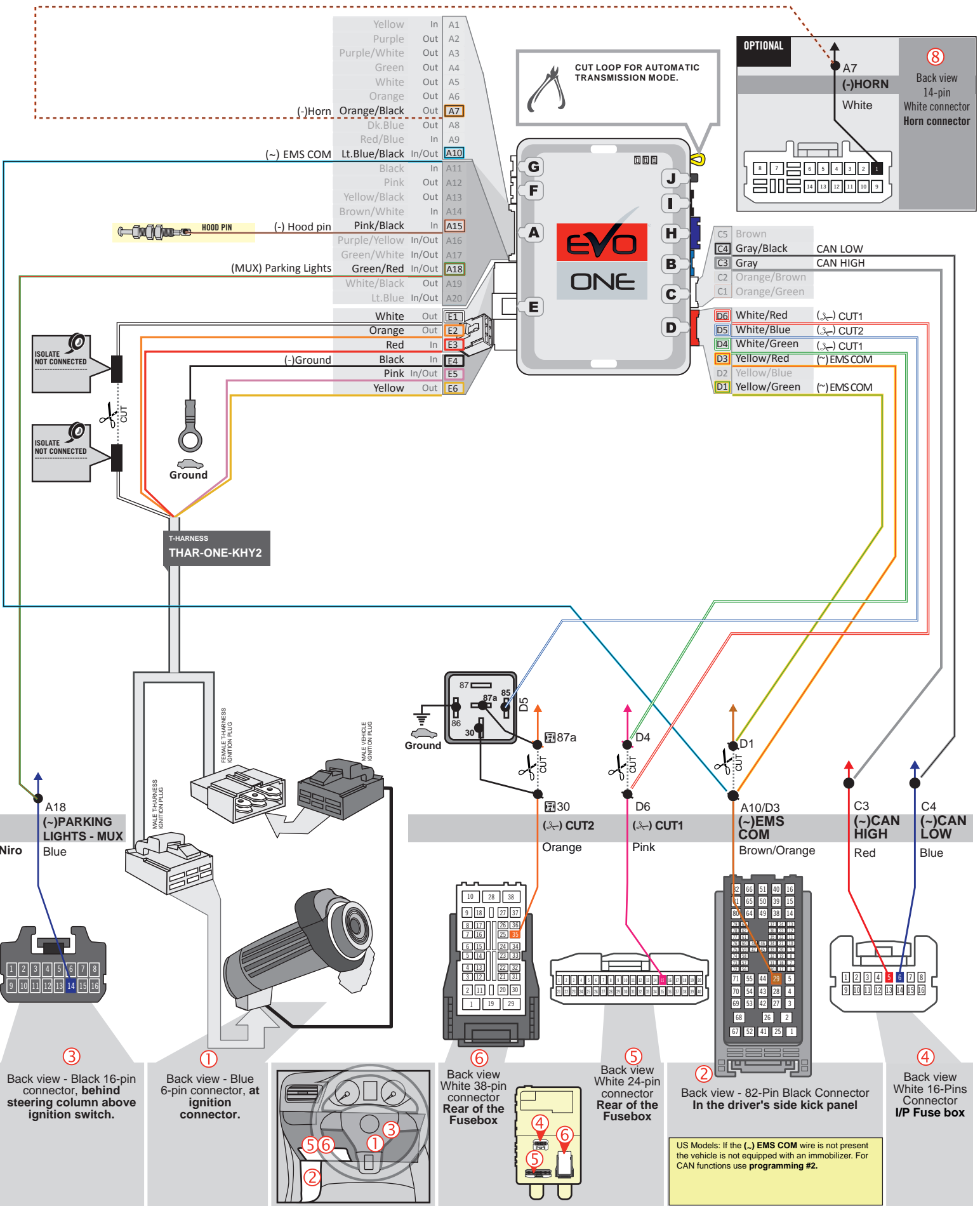


② In the driver's side kick panel

① Ignition switch

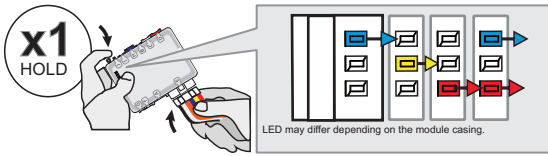


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

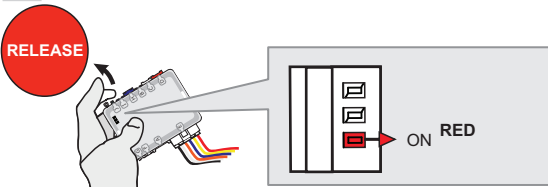
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

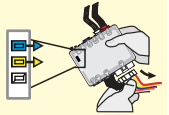
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

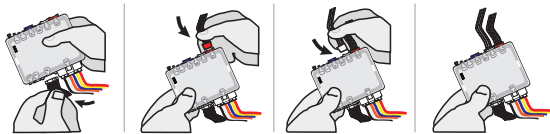


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

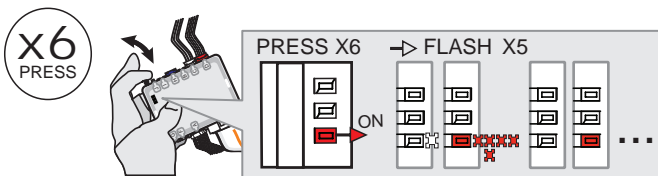


3



Insert the required remaining connectors.

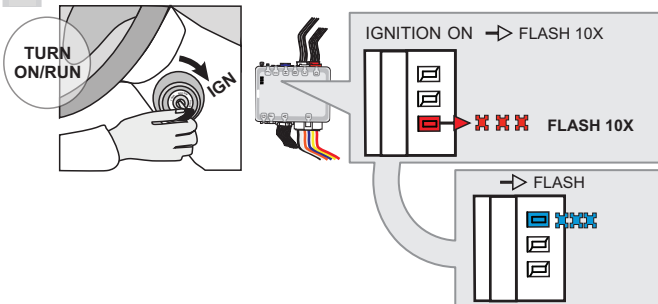
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

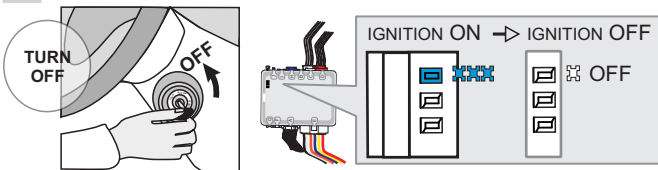


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

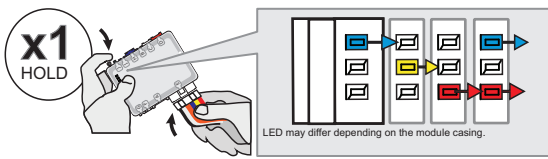


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

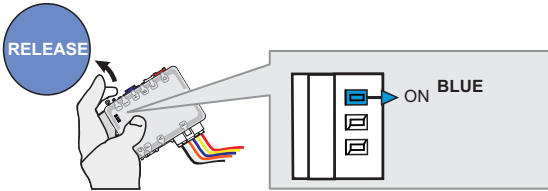
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

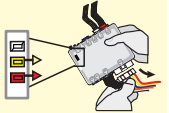
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

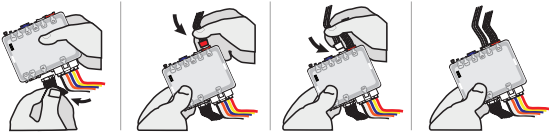


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

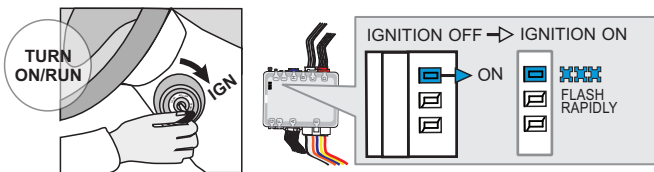


3



Insert the required remaining connectors.

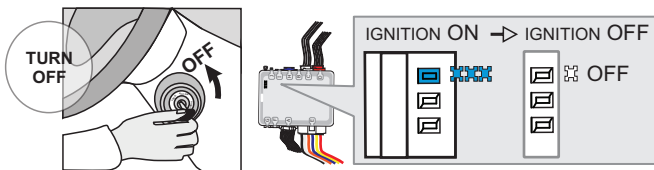
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

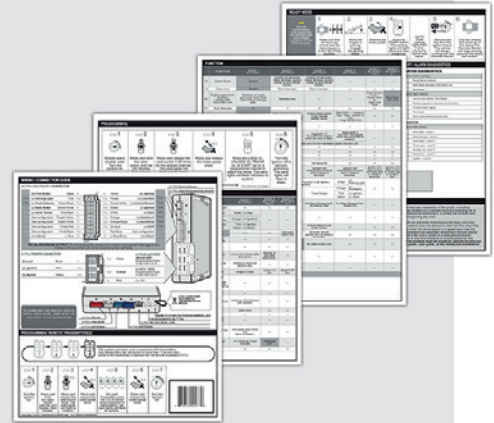


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote or the OEM remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.

**THAR-ONE-KHY2 THARNSS
INSTALLATION**

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE

YEARS

Immobilizer bypass	T-Harness	Tachometer	Lock	Unlock	Arm	Disarm	Parking Lights	Door Status	Trunk Status	Hand-Brake Status	Hood Status*	Foot-Brake Status
•	•	•	•	•	•	•	•	•	•	•	•	•

KIA

Soul

2014-2018



BYPASS FIRMWARE VERSION

76.[43]

HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.



**Program remote
starter option:**

FUNCTION

MODE

DESCRIPTION

2

2

(+) Accessory 2 (E1)

MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

SECURITY STICKER



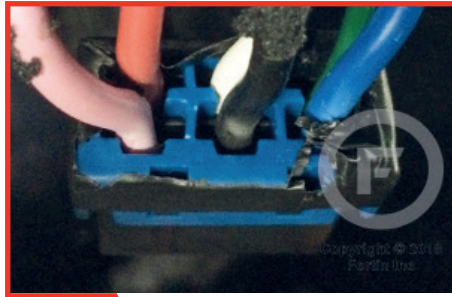
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

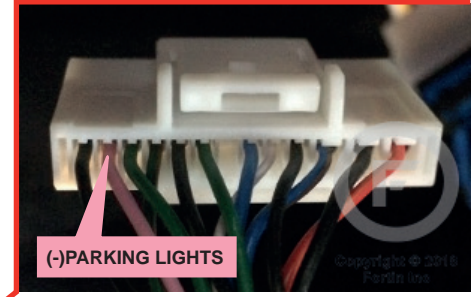
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

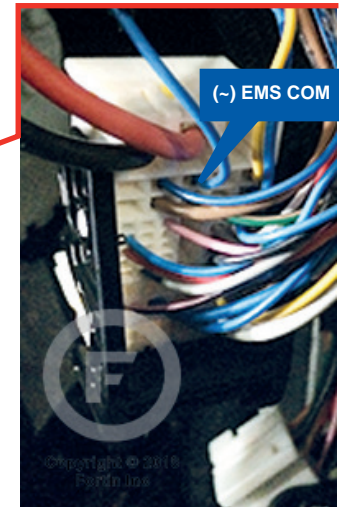
③ Ignition harness



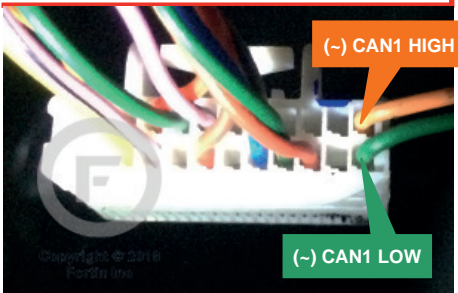
② Parking Lights Harness



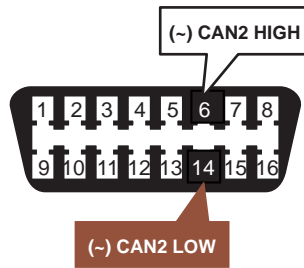
① Driver kick Panel



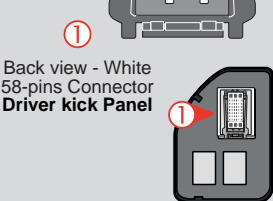
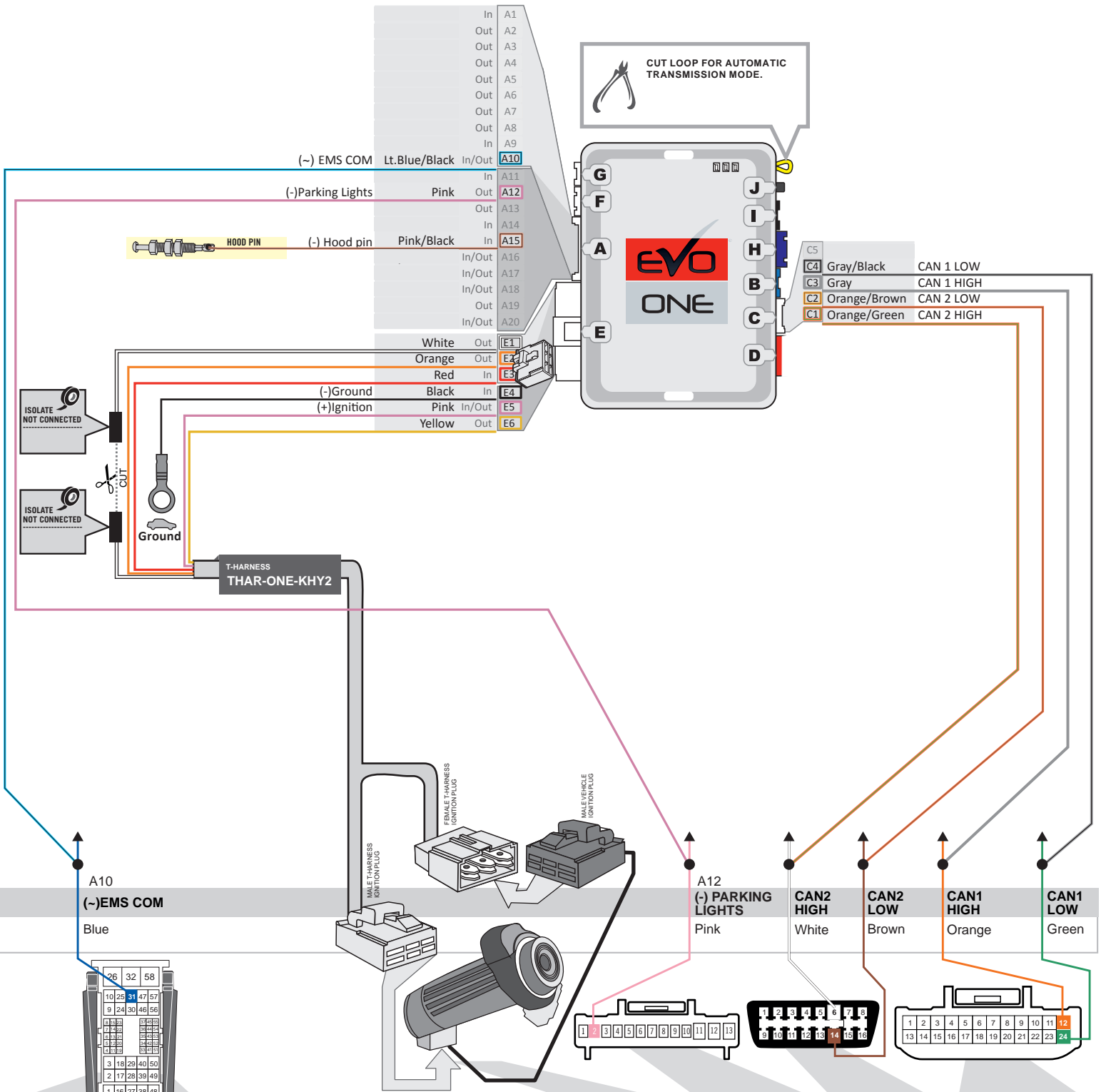
⑤ Back of Fuse panel



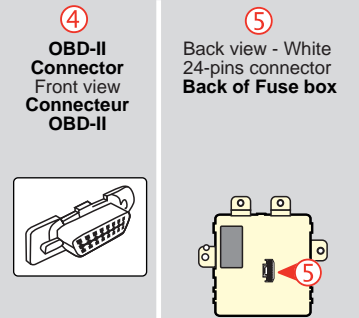
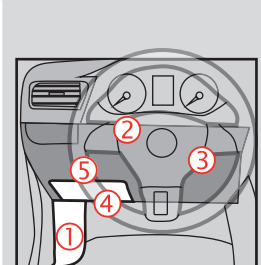
④ OBD-II connector



WIRING CONNECTION

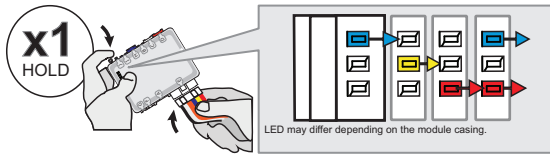


US Models: If the (-) EMS COM wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming #2.



KEY BYPASS PROGRAMMING PROCEDURE |

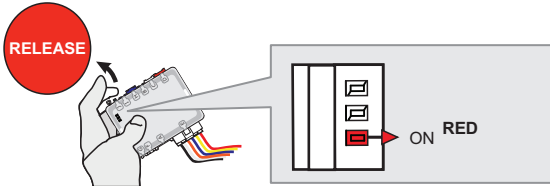
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

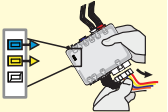
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

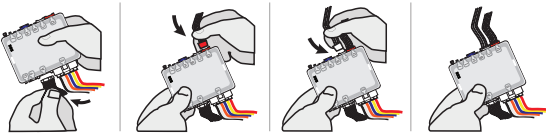


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

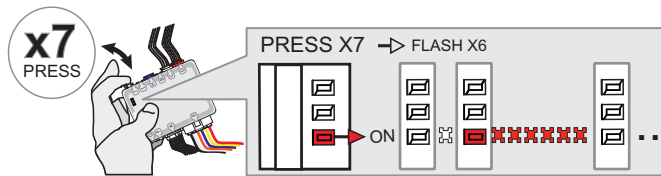


3



Insert the required remaining connectors.

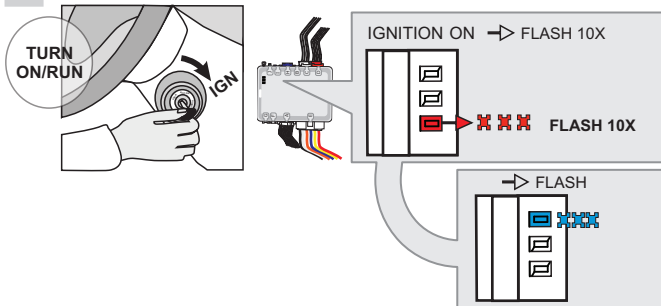
4



Press and release the programming button seven (7x) times.

↳ The RED LED will flash 6 times each second.

5

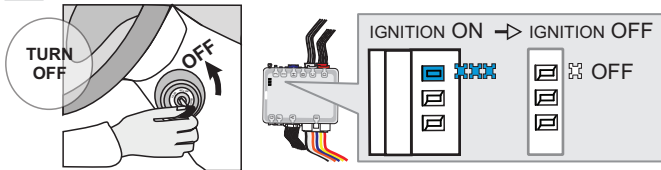


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
 Key bypass programmed.

↳ The BLUE LED will flash rapidly.
 CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

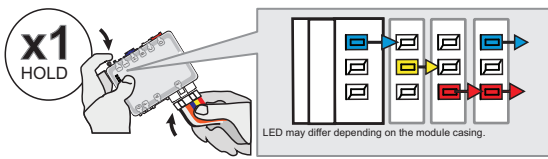


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

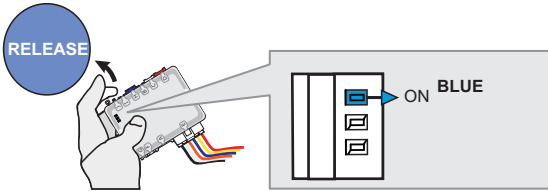
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

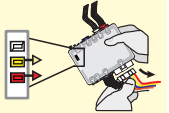
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

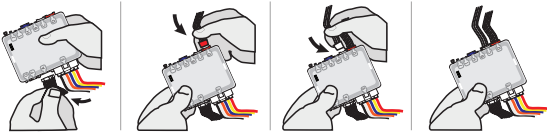


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

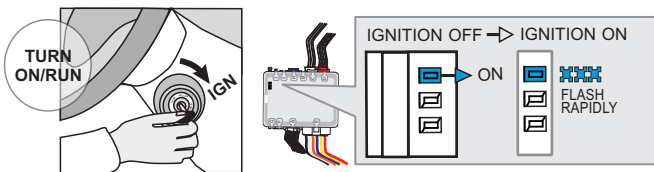


3



Insert the required remaining connectors.

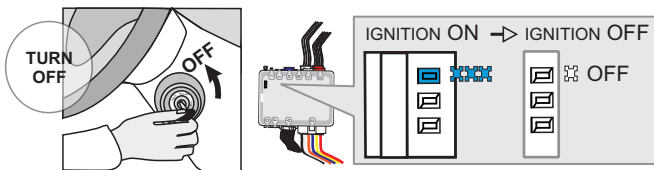
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

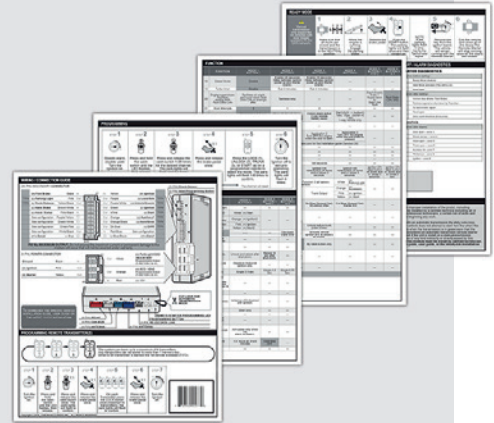


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNESSE INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE		Vehicle functions supported in this diagram (functional if equipped)															
VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Tachometer	Door Status	Parking Lights	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Monitoring	R.S. OEM remote stand Alone compatible
KIA																	
Soul	2020-2022	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

76.[60]

MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION	DESCRIPTION
		A11	<div style="background-color: red; color: white; padding: 5px; display: inline-block;">OFF</div> Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable Press 3x Lock to remote start with the OEM remote.



Parts required (Not included)

1X relay

MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



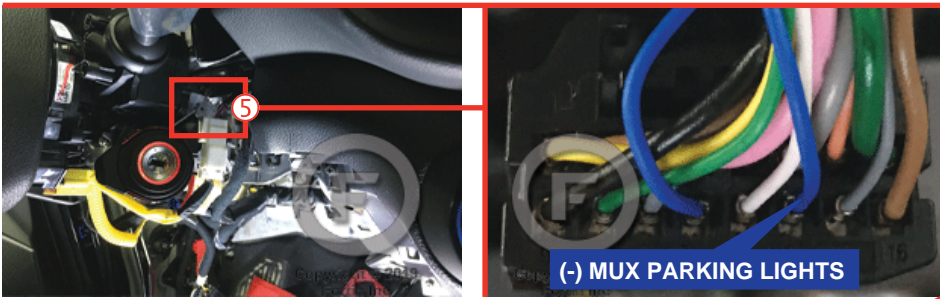
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

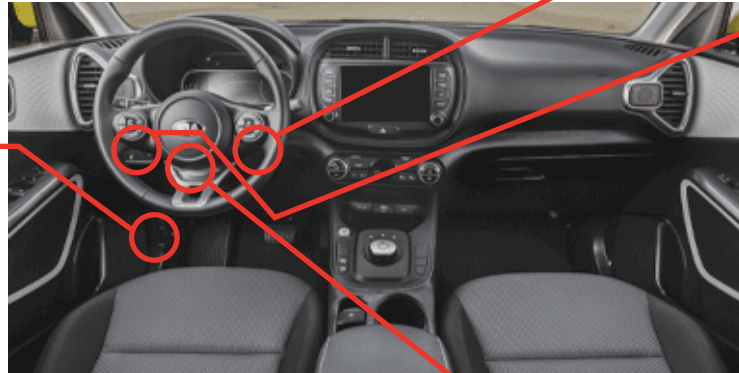
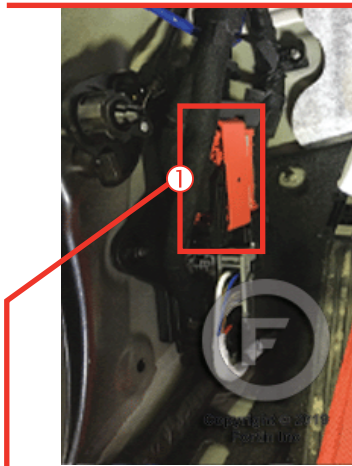
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

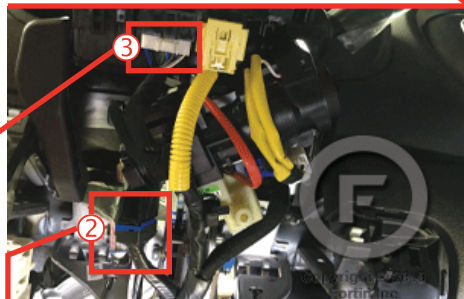
⑤ At Parking light harness, above key barrel



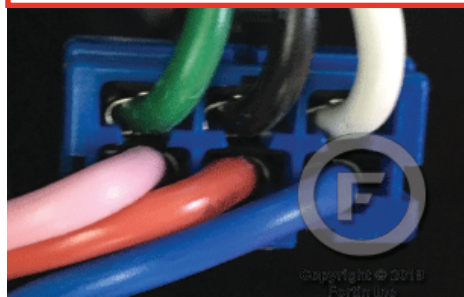
① In the driver's side kick panel



② ③ Under steering column



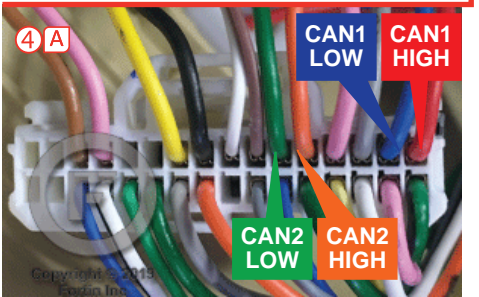
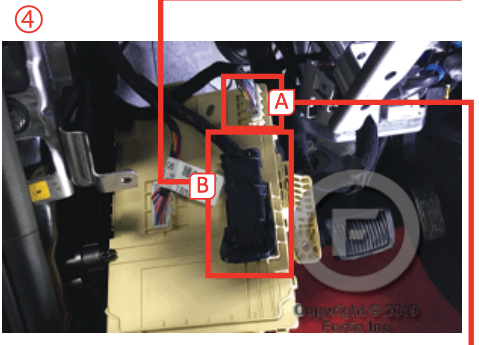
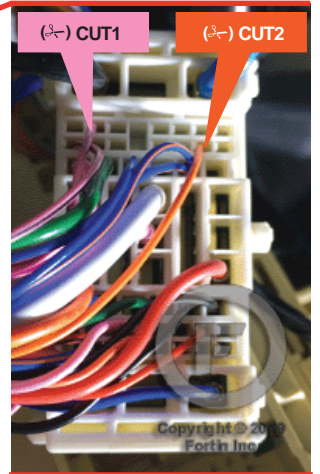
② Ignition switch



③ Horn connector



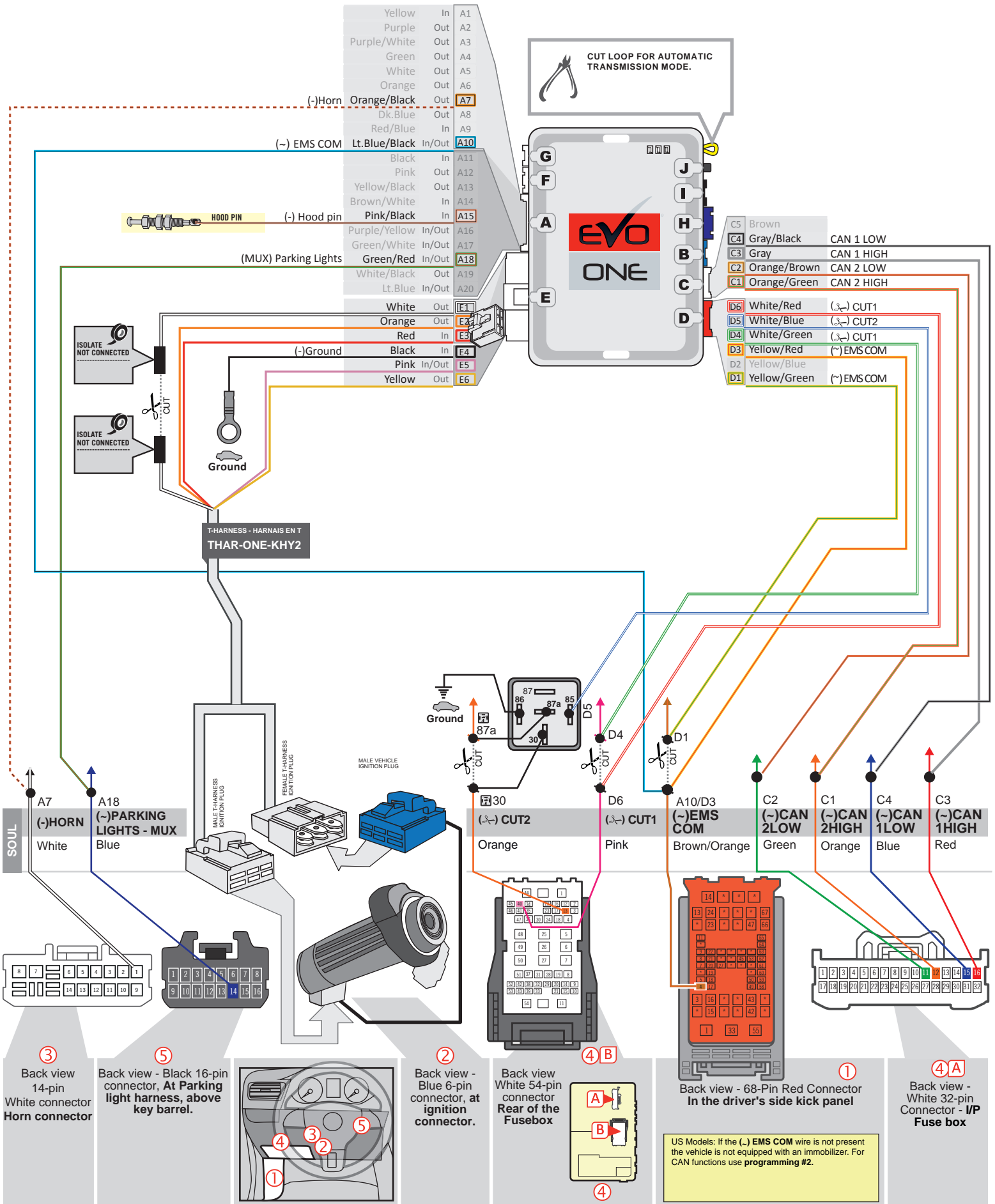
④ B Behind the fuse box



(-)EMS COM

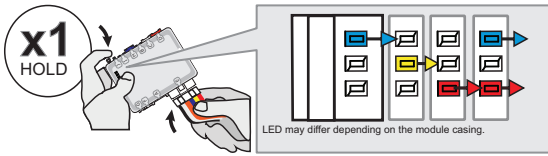
(-)HORN

WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

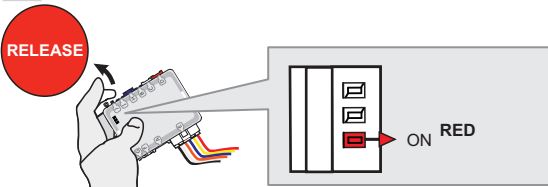
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

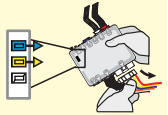
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

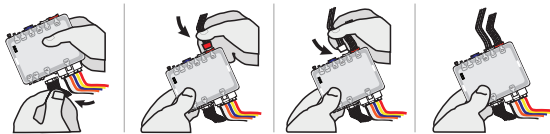


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

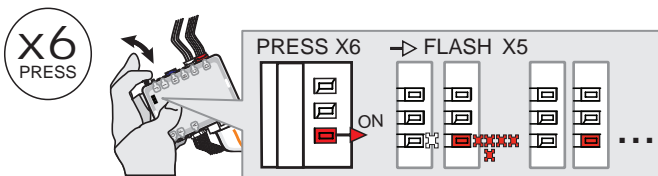


3



Insert the required remaining connectors.

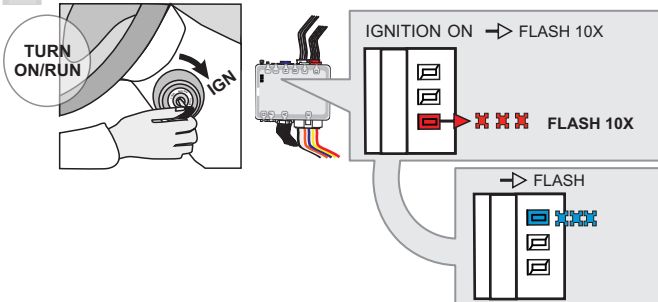
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

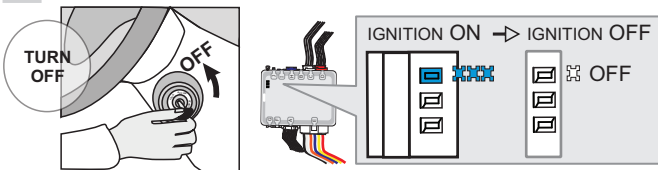


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

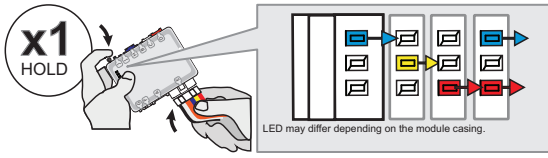


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

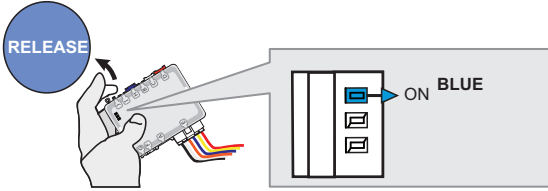
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

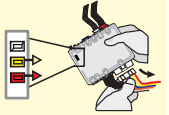
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

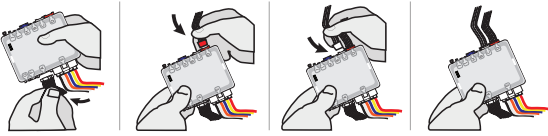


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

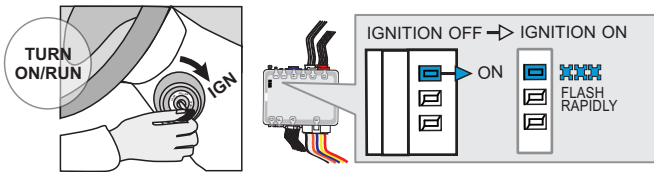


3



Insert the required remaining connectors.

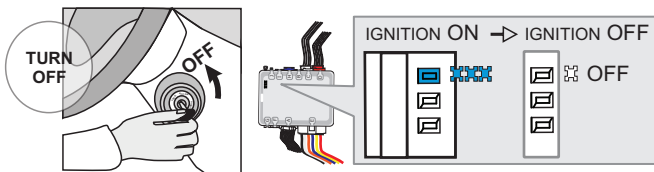
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

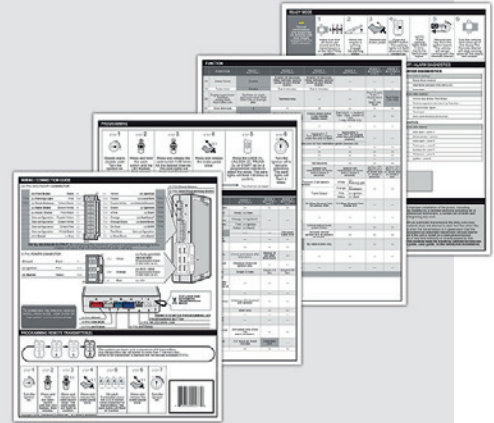


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)														
		Immobilizer bypass	T-Harness	Lock	Unlock	Parking Lights	Trunk (open)	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Foot-Brake Status	Hand-Brake Status	OEM Remote monitoring**	R.S. OEM remote Stand Alone compatible
KIA Stonic	2017-2019	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION

62.11

ONLY - SEULEMENT

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	FUNCTION	MODE	DESCRIPTION
		38	2	Enable : Press 3x Lock to remote start with the OEM remote.

NOTES

**OEM Remote monitoring The vehicles OEM remote will be operable when the engine is running.

MANDATORY INSTALL

SECURITY STICKER

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

*** HOOD PIN**

HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

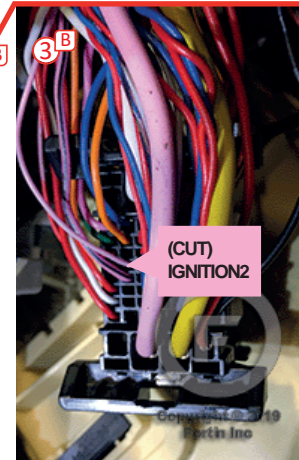
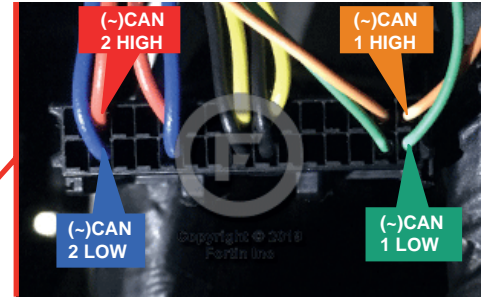
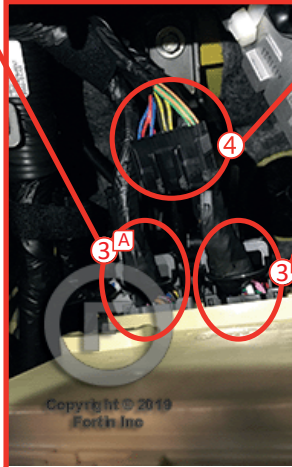
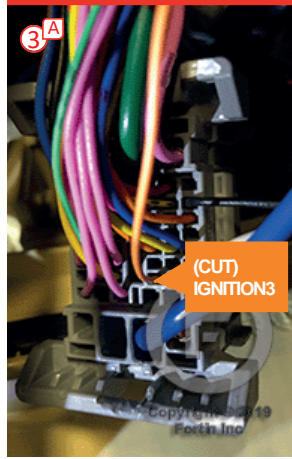
Included

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

④

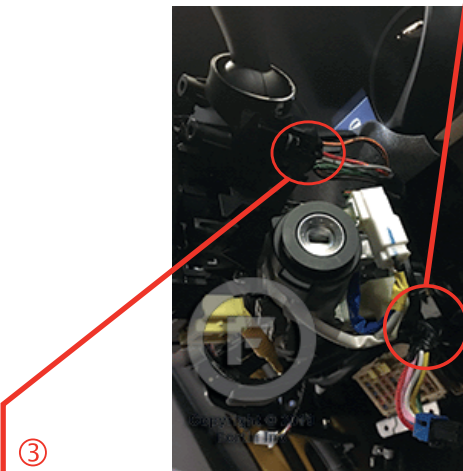
④ ③ Behind fuse box



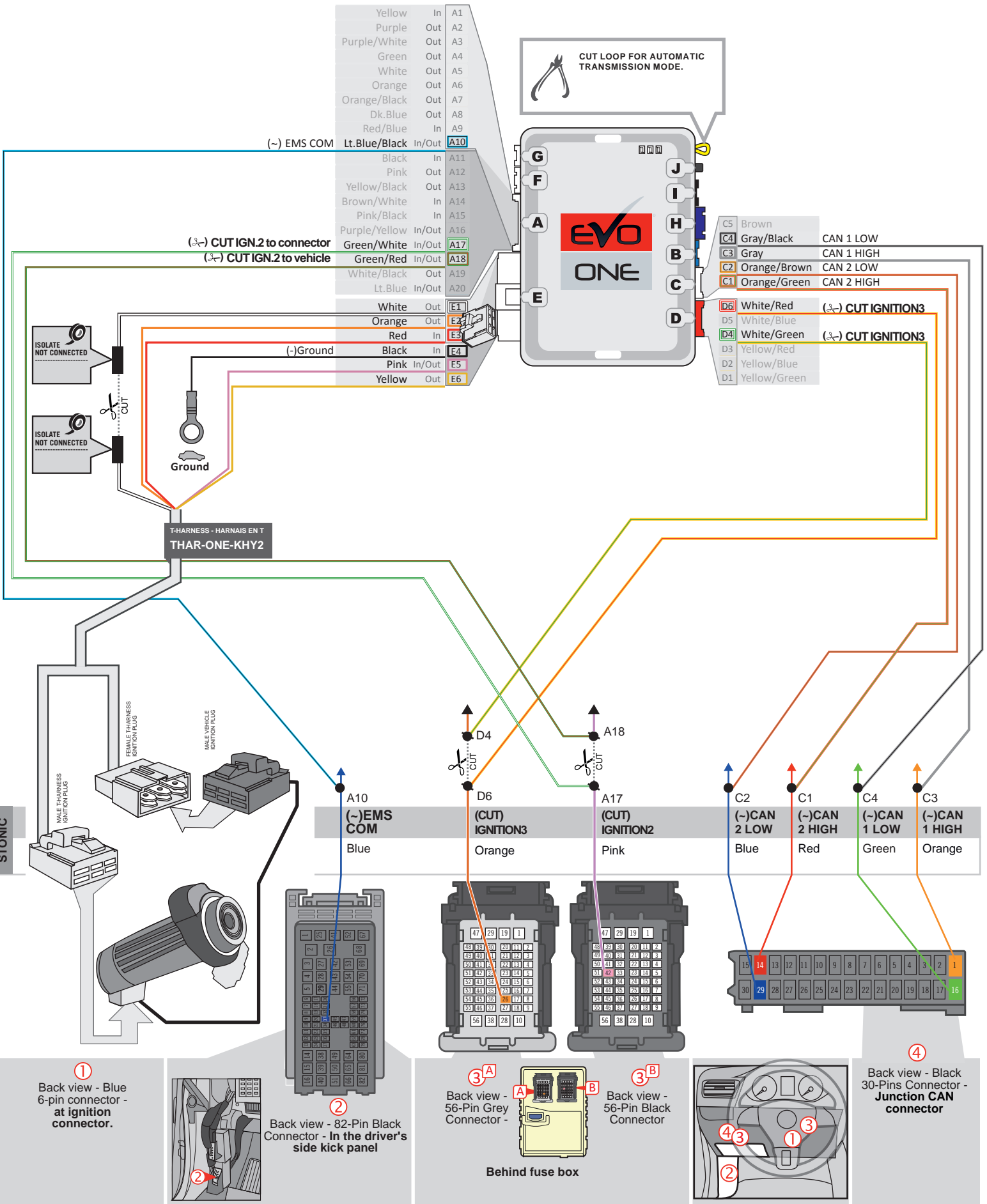
① Ignition switch



② Driver's side kick panel

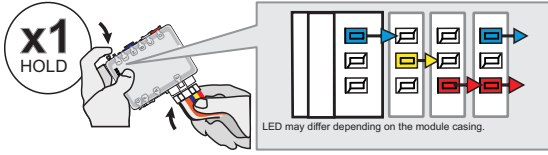


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

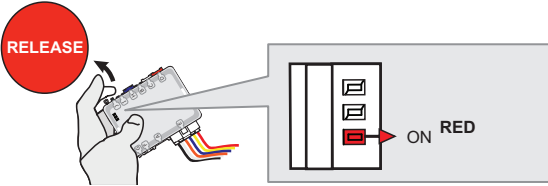
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

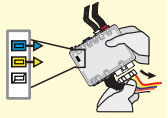
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

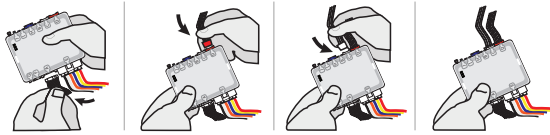


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

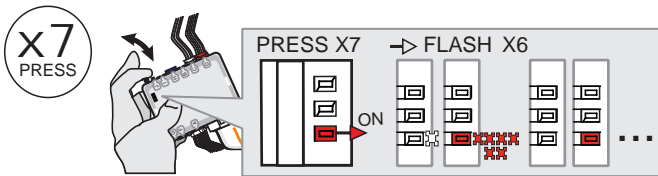


3



Insert the required remaining connectors.

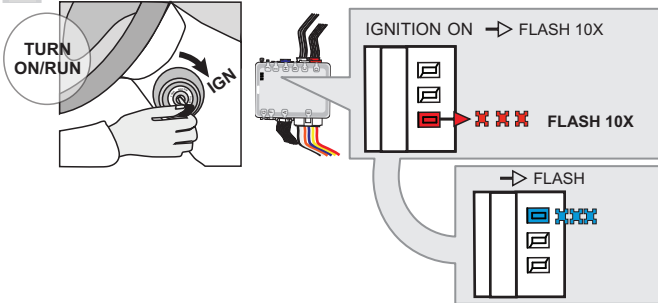
4



Press and release the programming button 7 times (7x).

↳ The RED LED will flash 6 times and pause.

5

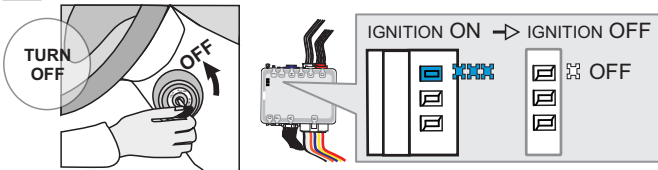


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

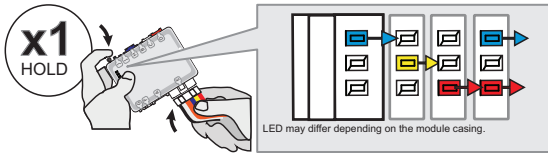


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

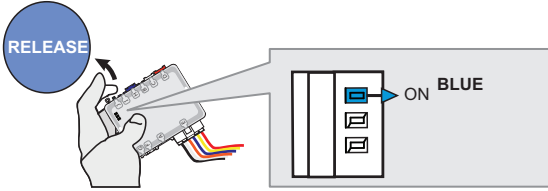
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

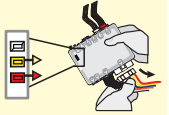
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

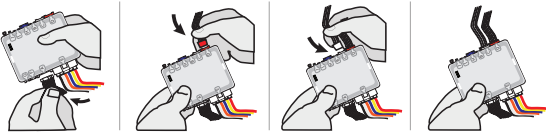


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

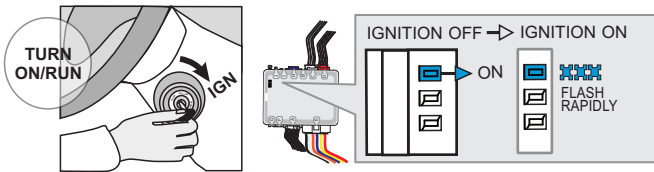


3



Insert the required remaining connectors.

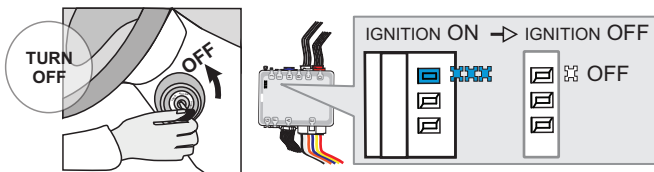
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

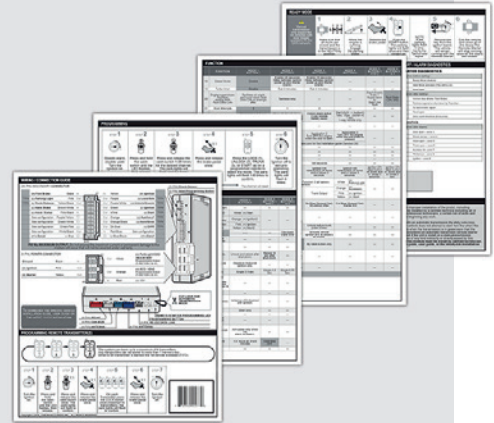


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |




REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE			Vehicle functions supported in this diagram (functional if equipped).																	
VEHICLE	YEARS	WIRING CONNECTION NUMBER	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Horn	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring**	R.S. OEM remote Stand Alone compatible
HYUNDAI																				
Santa Fe / Sport	4 cylinder	2013-2016	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	6 cylinder	2013-2016	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Santa Fe XL	4 cylinder	2013-2016	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	6 cylinder	2013-2016	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[60]

MINIMUM


To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

A11

OFF

Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION OPTION UNITE	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

Program remote starter option for R.S. OEM REMOTE STAND ALONE:

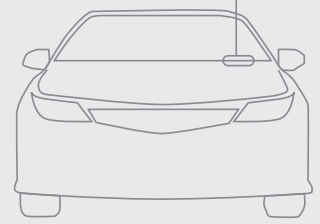
38

2

Enable Press 3x Lock to remote start with the OEM remote.

1 H G B H 4 1 J X M N 1 0 9 1 8 6

The 8th digit determine the engine cylinder.
 A or B = 4 CYLINDER
 F = 6 CYLINDER



MANDATORY INSTALL

* HOOD PIN



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11

OFF

SECURITY STICKER



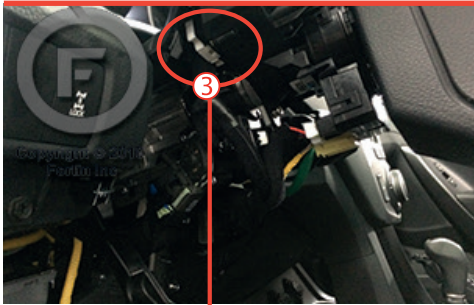
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

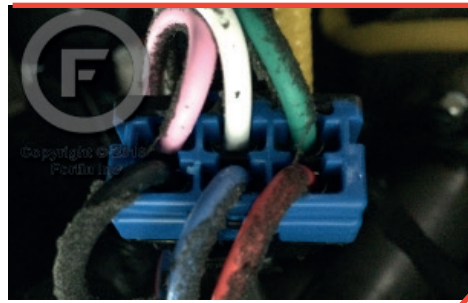
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

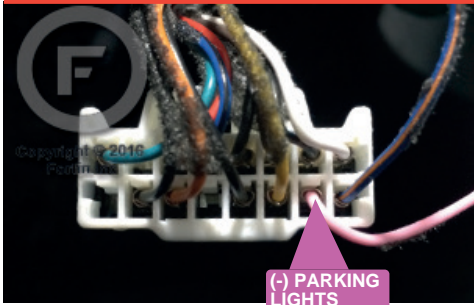
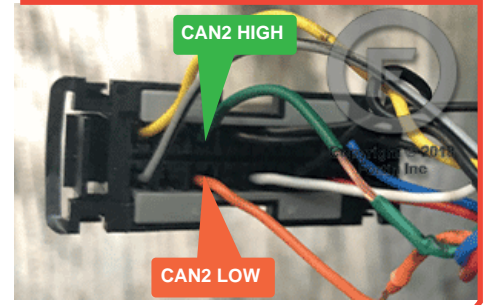
③ Parking lights switch



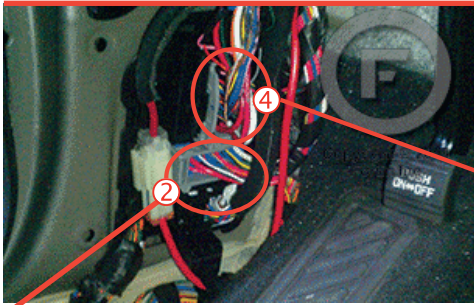
① Ignition connector



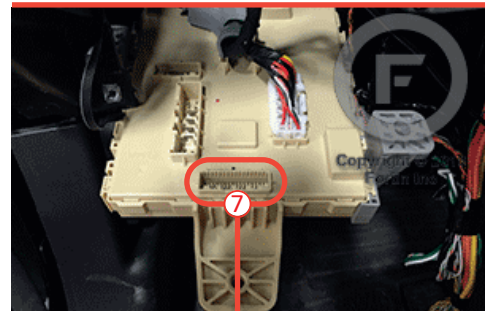
⑤ OBD-II connector



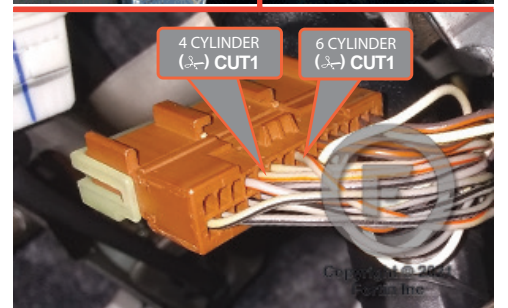
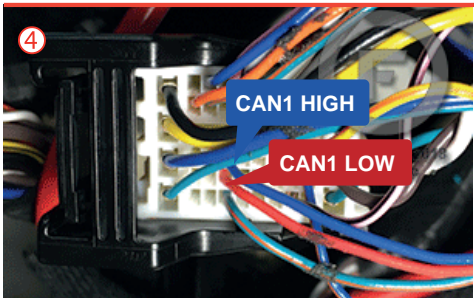
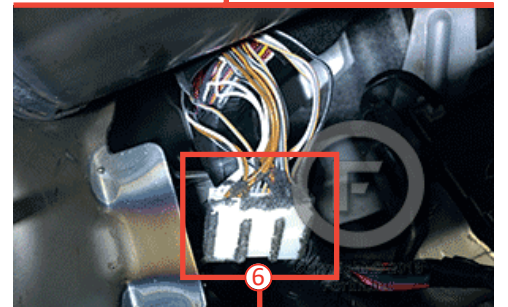
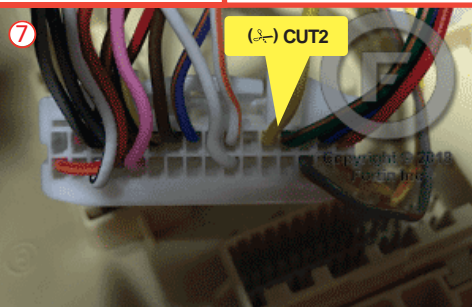
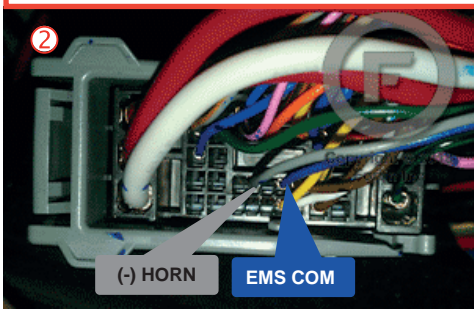
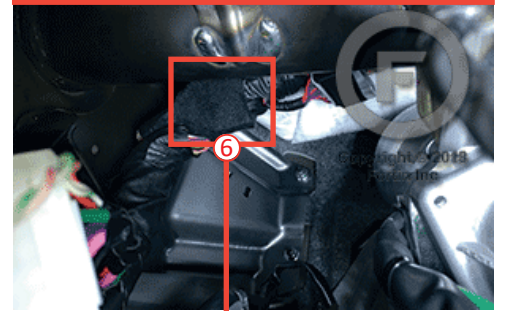
② ④ Driver kick panel



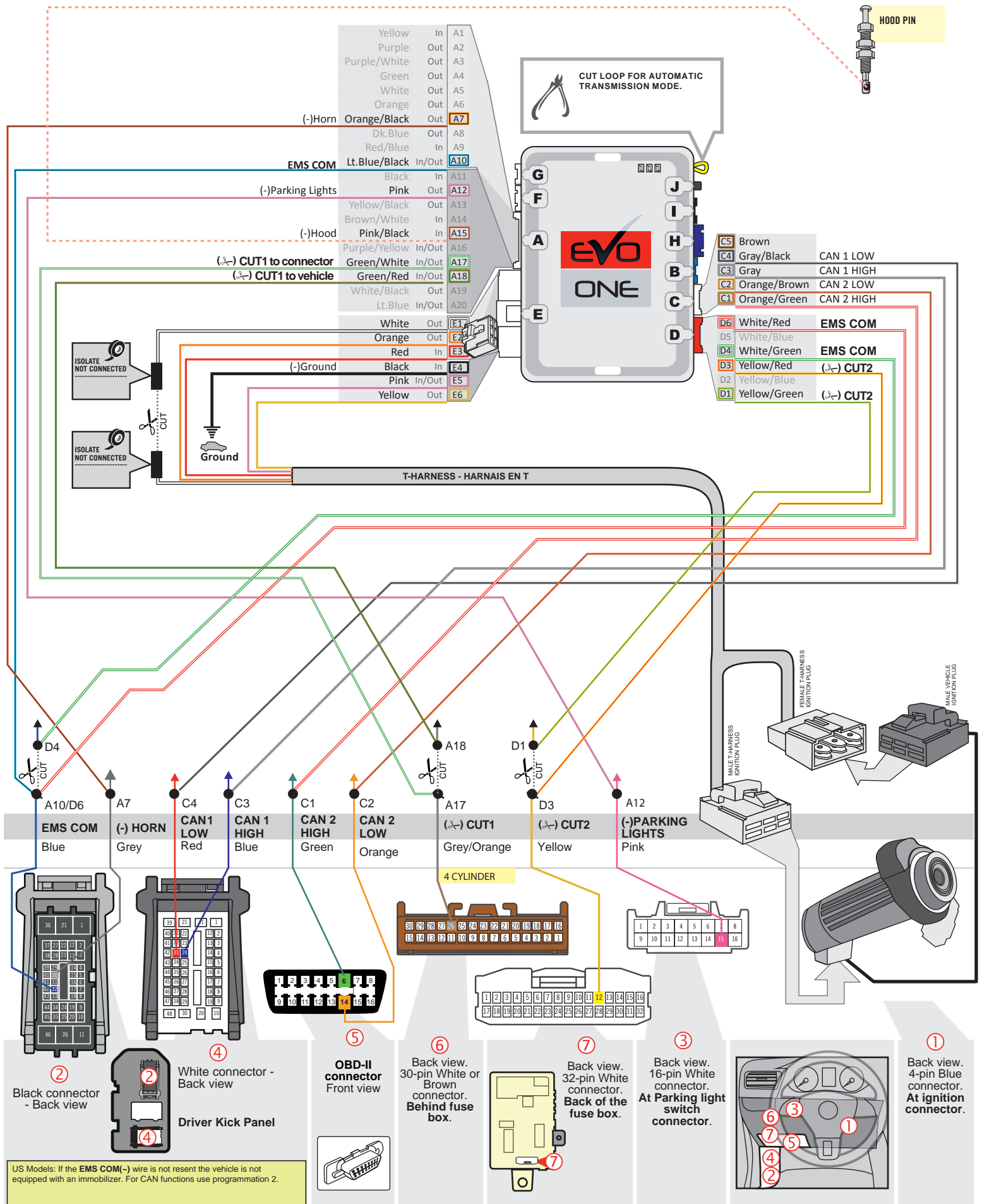
⑦ Back of fuse box



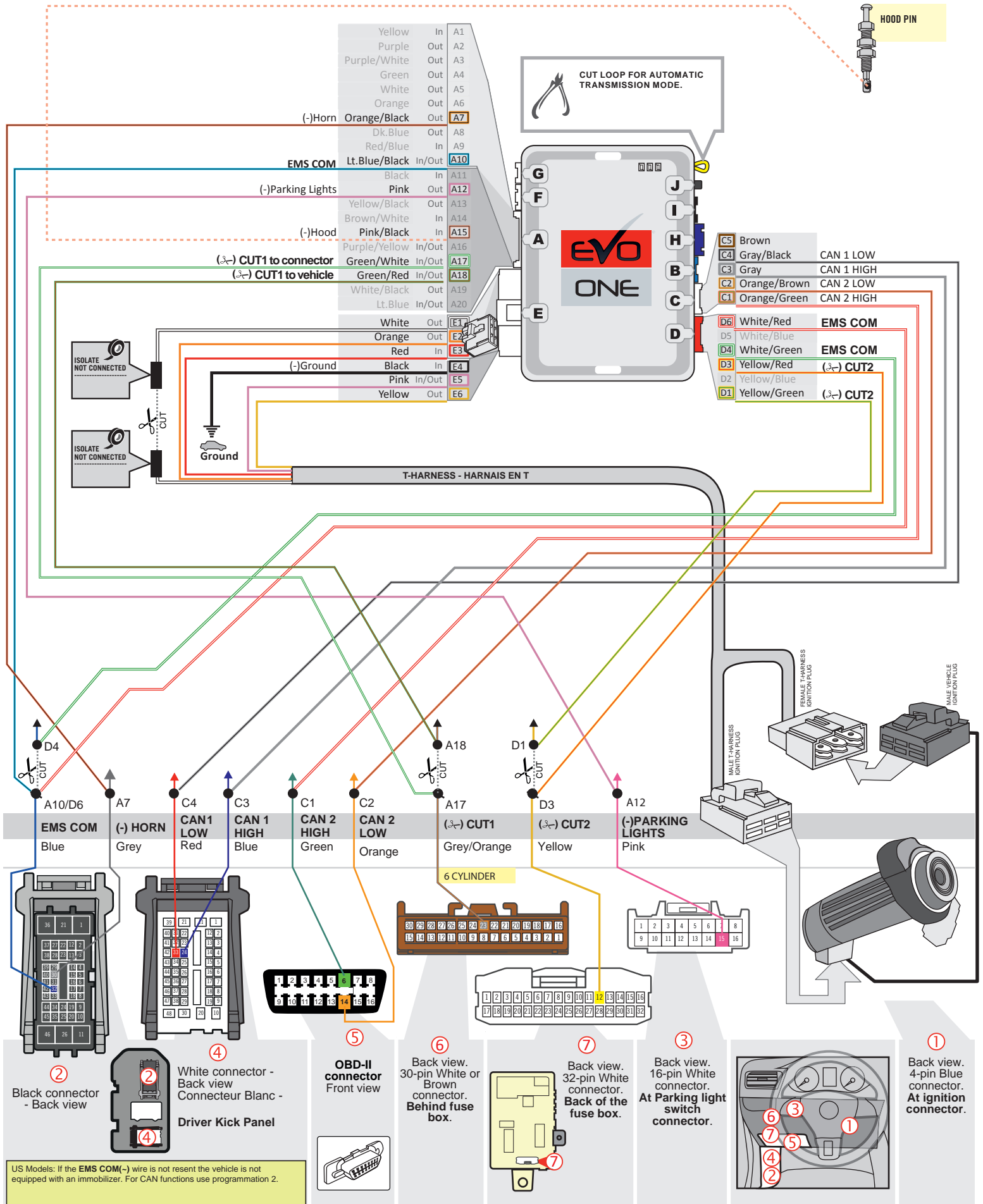
⑥ Behind fuse box



WIRING CONNECTION 1



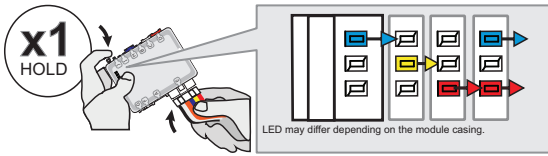
WIRING CONNECTION 2



US Models: If the EMS COM(-) wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming 2.

KEY BYPASS PROGRAMMING PROCEDURE

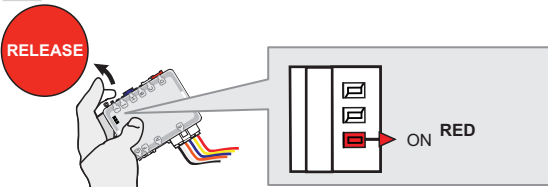
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

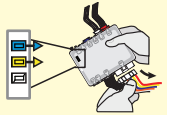
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

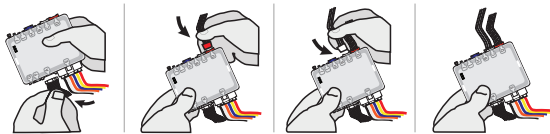


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

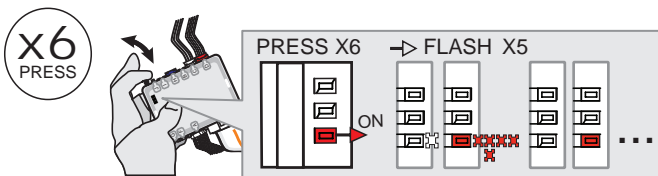


3



Insert the required remaining connectors.

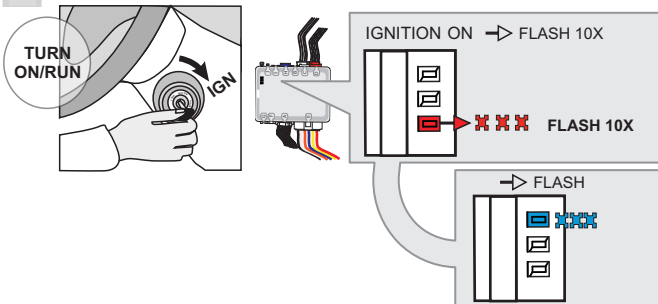
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

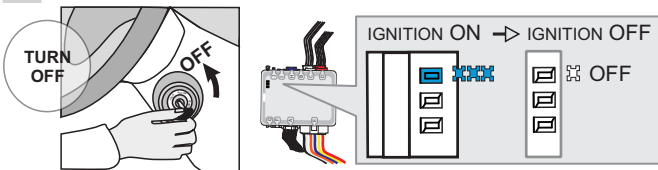


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

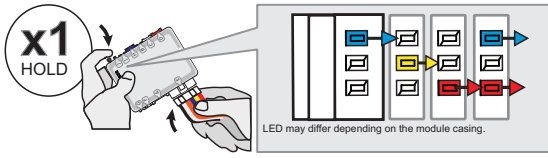


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

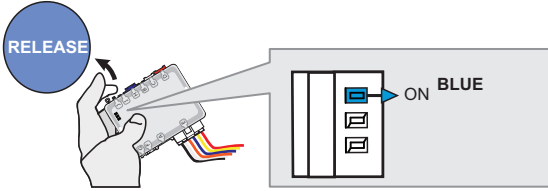
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

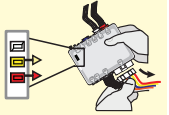
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

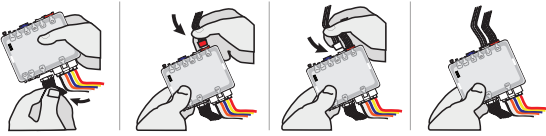


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

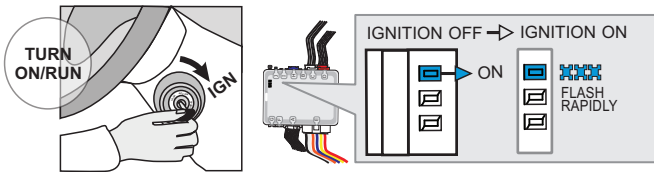


3



Insert the required remaining connectors.

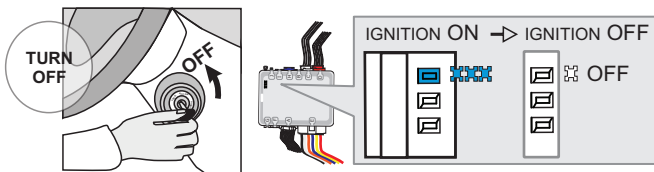
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

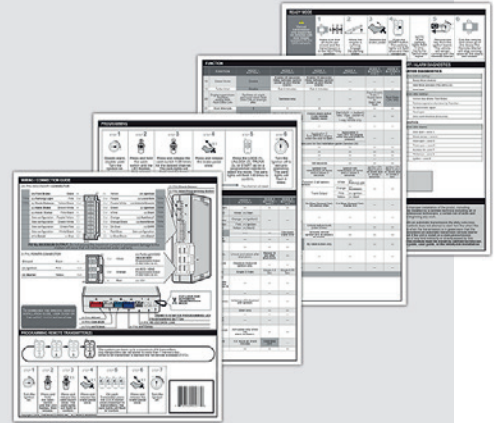


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |




REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE			YEARS	WIRING CONNECTION NUMBER	Vehicle functions supported in this diagram (functional if equipped).																		
					Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Horn	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring**	R.S. OEM remote Stand Alone compatible	
HYUNDAI																							
Santa Fe / Sport	4 cylinder	2017-2018	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	6 cylinder	2017-2018	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Santa Fe XL	4 cylinder	2017-2019	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	6 cylinder	2017-2019	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION

76.[60]


HYUNDAI/KIA MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:

A11
OFF

Hood trigger (Output Status).

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

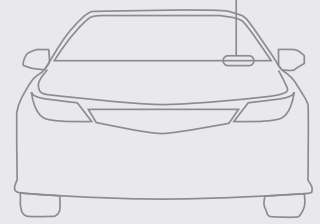
Program remote starter option for R.S. OEM REMOTE STAND ALONE:

38
2

Enable Press 3x Lock to remote start with the OEM remote.

1 H G B H 4 1 J X M N 1 0 9 1 8 6

The 8th digit determine the engine cylinder.
 A or B = 4 CYLINDER
 F = 6 CYLINDER



MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

A11

OFF

SECURITY STICKER



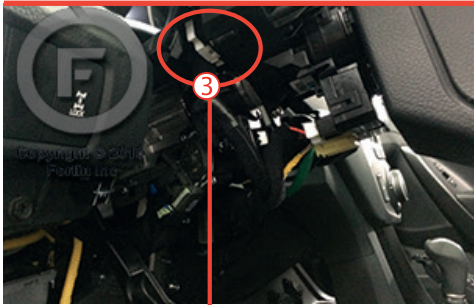
Included

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

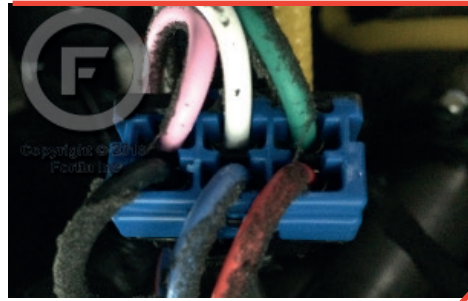
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

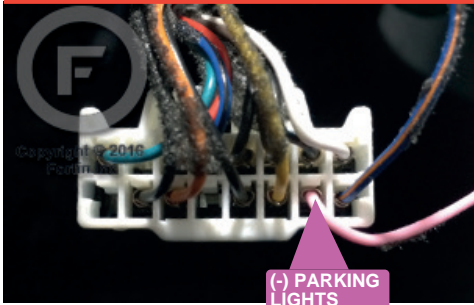
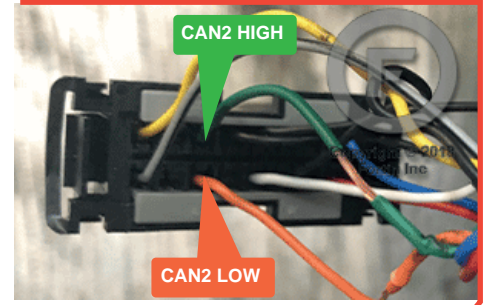
③ Parking lights switch



① Ignition connector



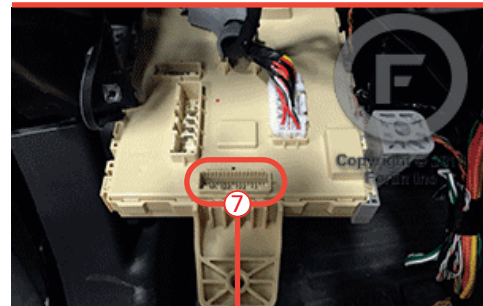
⑤ OBD-II connector



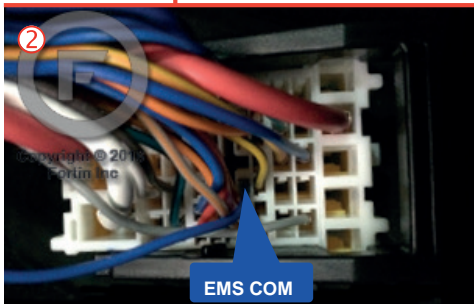
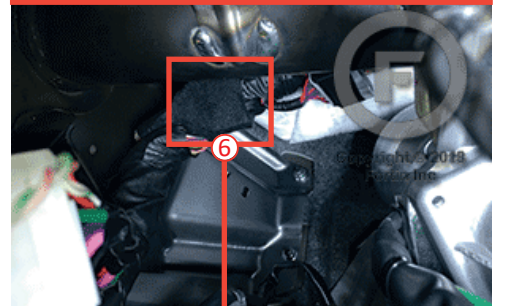
② ④ Driver kick panel



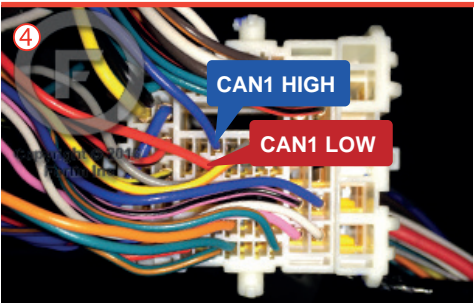
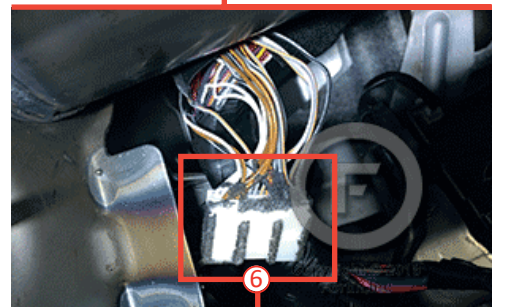
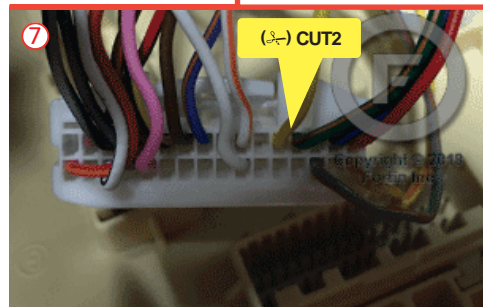
⑦ Back of fuse box



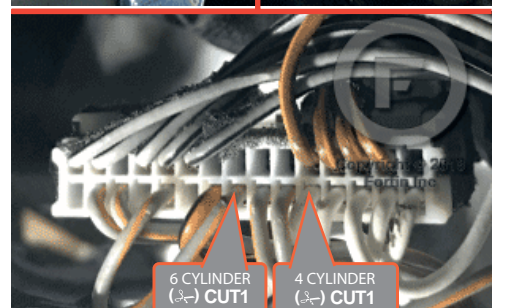
⑥ Behind fuse box



White or Red connector

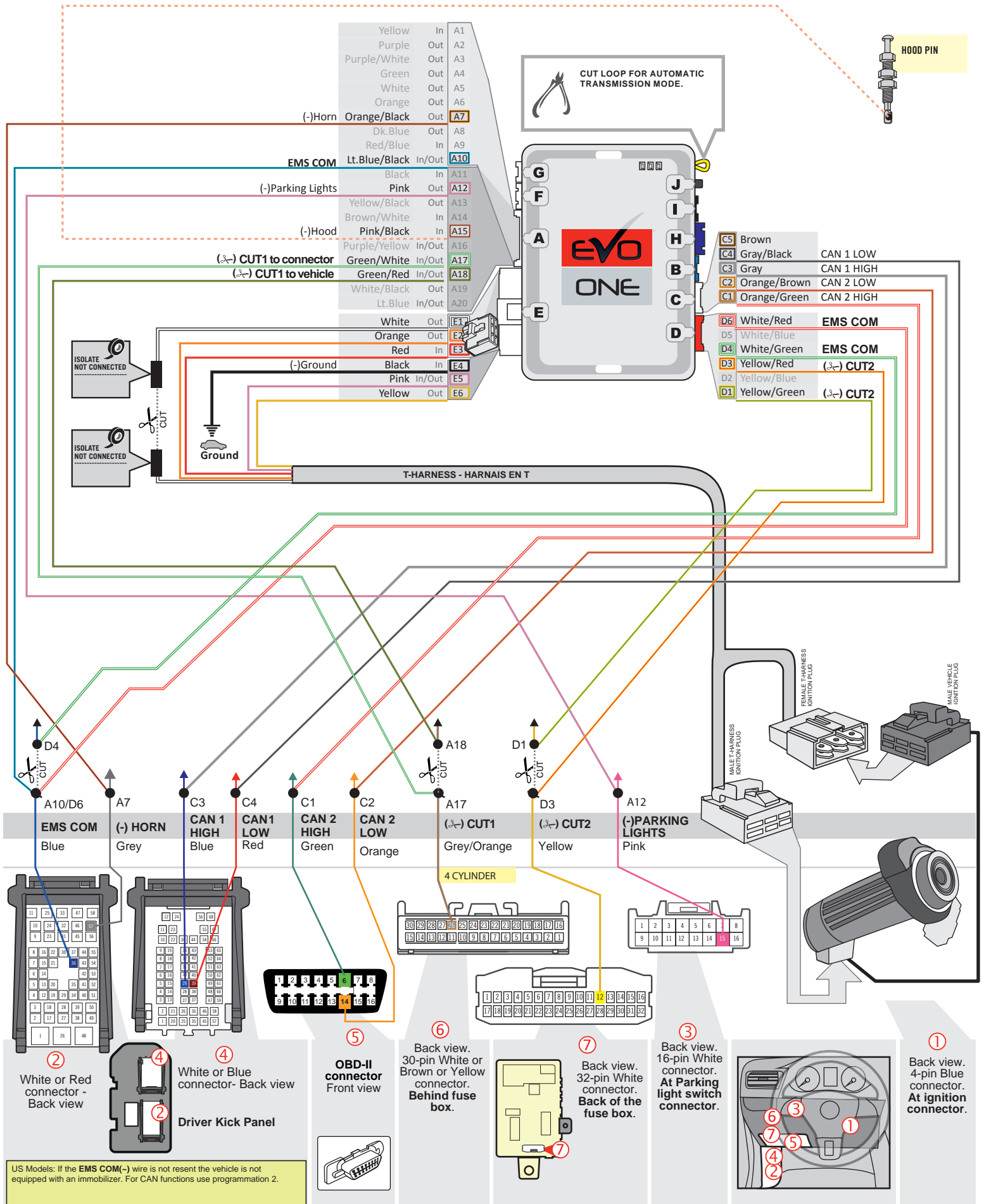


White or Blue connector

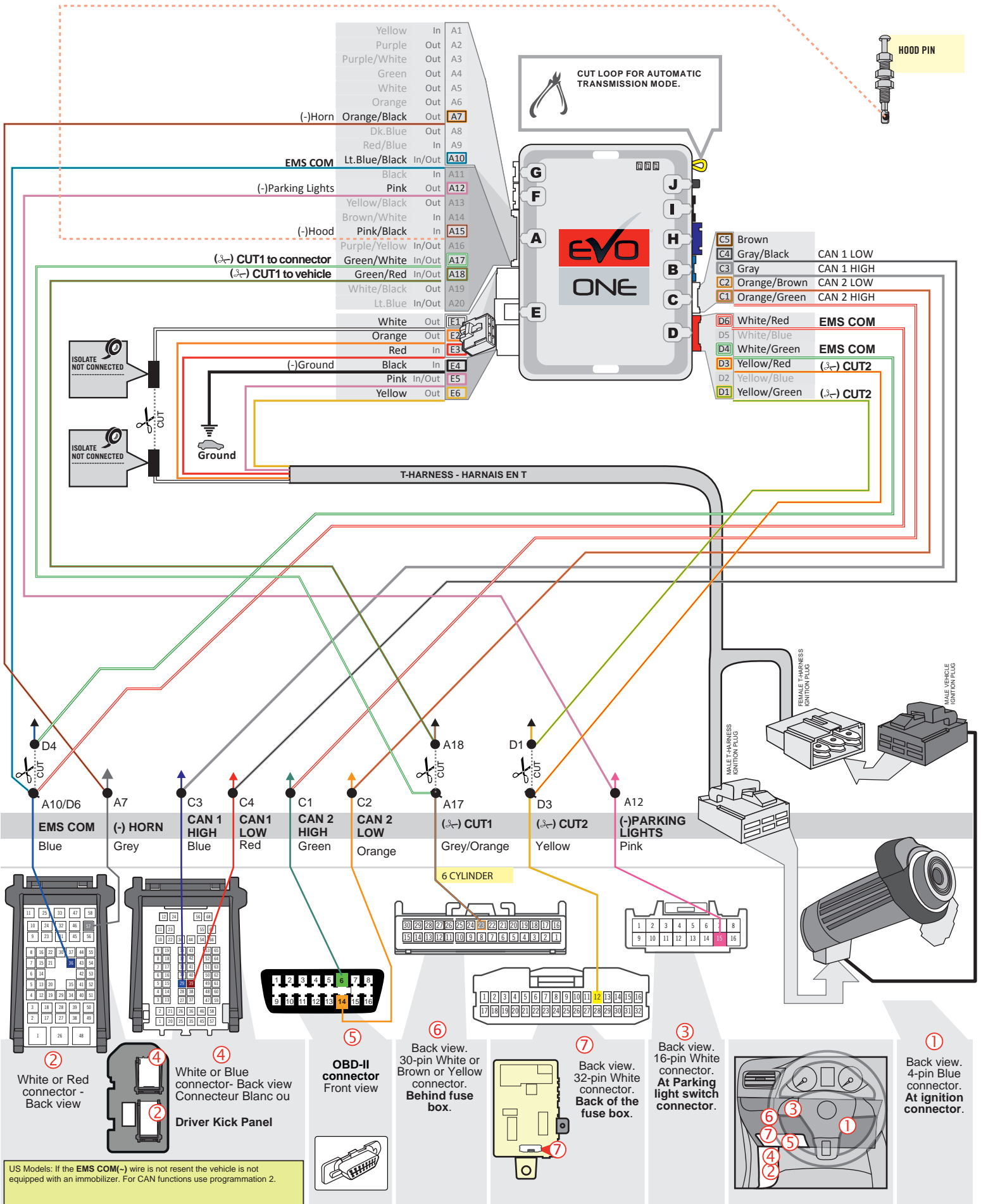


White or Brown or Yellow connector

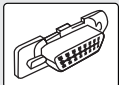
WIRING CONNECTION 1



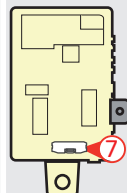
WIRING CONNECTION 2



US Models: If the EMS COM(-) wire is not present the vehicle is not equipped with an immobilizer. For CAN functions use programming 2.

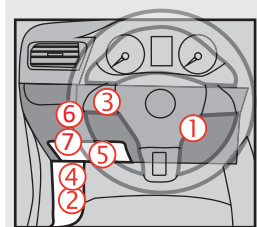


⑥ Back view. 30-pin White or Brown or Yellow connector. Behind fuse box.



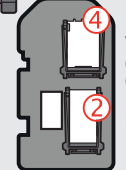
⑦ Back view. 32-pin White connector. Back of the fuse box.

③ Back view. 16-pin White connector. At Parking light switch connector.



① Back view. 4-pin Blue connector. At ignition connector.

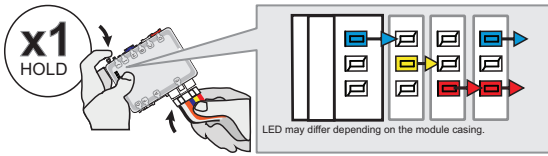
② White or Red connector - Back view



④ White or Blue connector- Back view Connecteur Blanc ou Driver Kick Panel

KEY BYPASS PROGRAMMING PROCEDURE

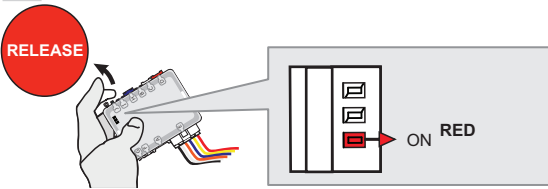
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

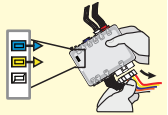
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

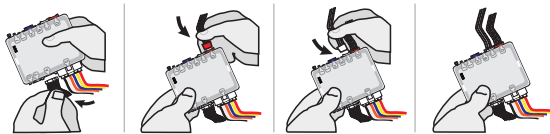


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

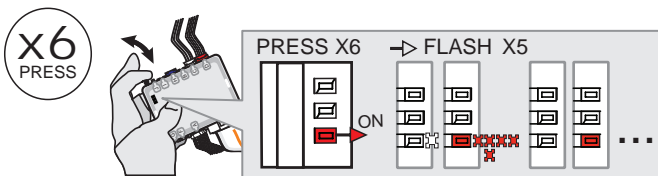


3



Insert the required remaining connectors.

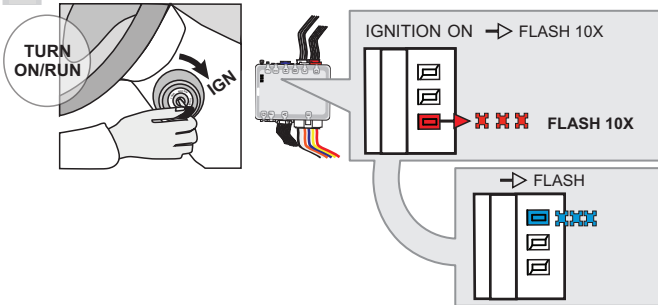
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

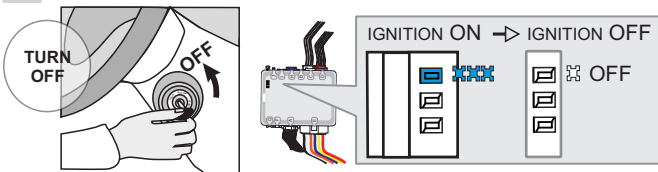


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

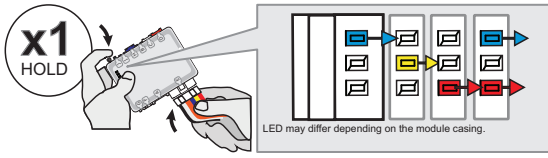


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICULE WITHOUT EMS COM WIRE |

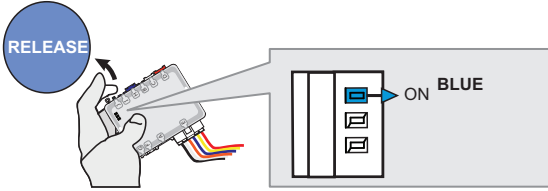
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

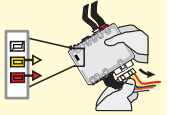
↳ The LEDs will alternate between **BLUE, RED, YELLOW & BLUE/RED** flashes.

2

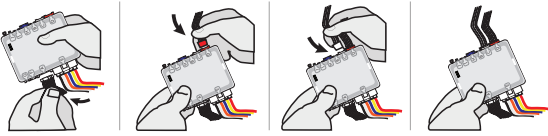


Release the programming button when the **BLUE LED** is ON.

If the **BLUE LED** is not **ON** solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

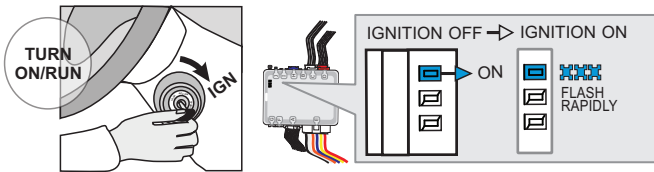


3



Insert the required remaining connectors.

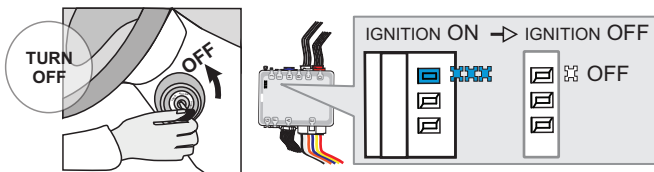
4



Turn the Ignition to the ON/RUN position.

↳ The **BLUE LED** will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The **BLUE LED** will turn off.

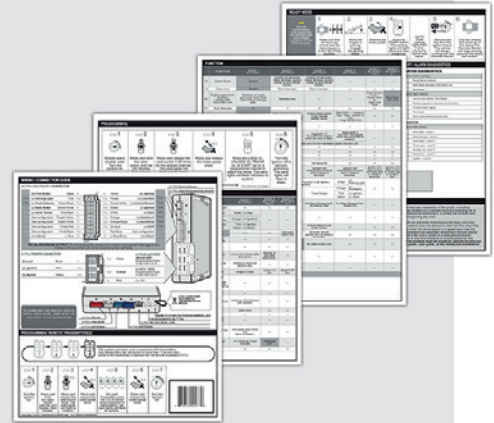


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNSS INSTALLATION

ADDENDUM - SUGGESTED WIRING CONFIGURATION



Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	RAP Disable	Horn	Parking Lights	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring**
HYUNDAI																		
Santa Fe	2017-2018	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Santa Fe XL	2017-2018	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	HARDWARE VERSION	BYPASS FIRMWARE VERSION	To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.
	7 MINIMUM	76.[45] HYUNDAI/KIA MINIMUM	

	Program remote starter option:	FUNCTION	MODE	DESCRIPTION
		2	2	(+) Accessory 2 (E1)

	Program bypass option:	UNIT OPTION	DESCRIPTION
		C1	OEM Remote status (Lock/Unlock) monitoring

NOTES

**OEM Remote monitoring
 The vehicles OEM remote will not be operable when the engine is running.

MANDATORY INSTALL

***HOOD PIN**


HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN.

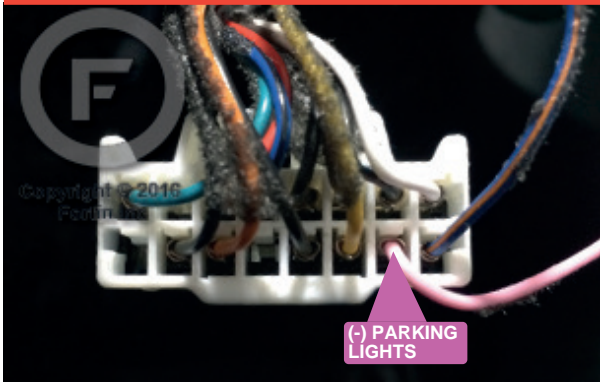
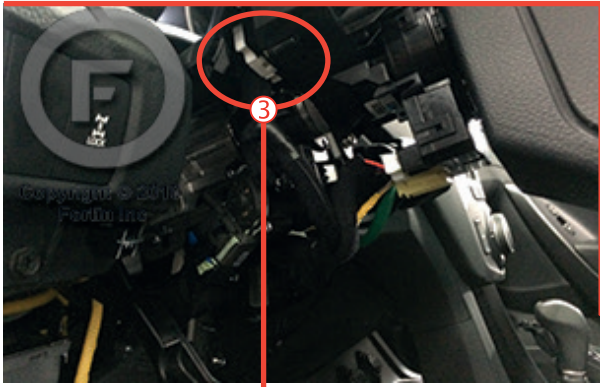
SECURITY STICKER

 Included
 Includ

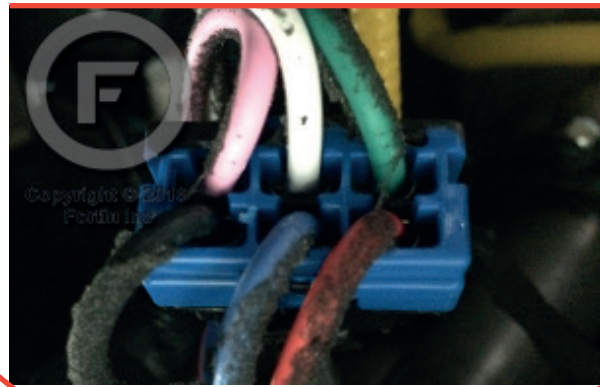
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

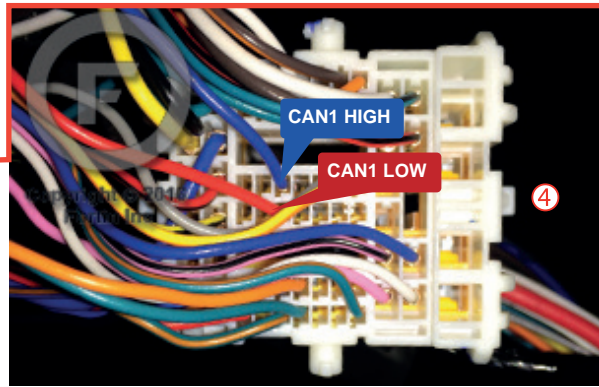
③ Parking lights switch



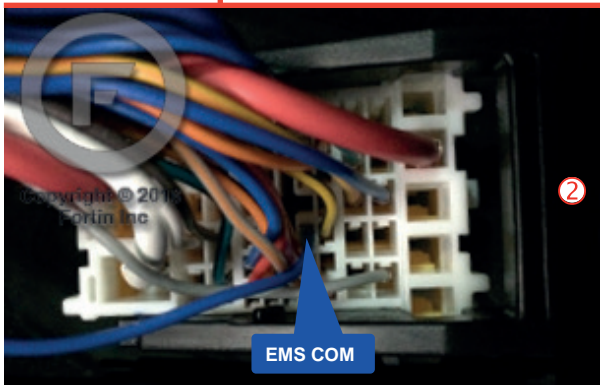
① Ignition connector



② ④ Driver kick panel

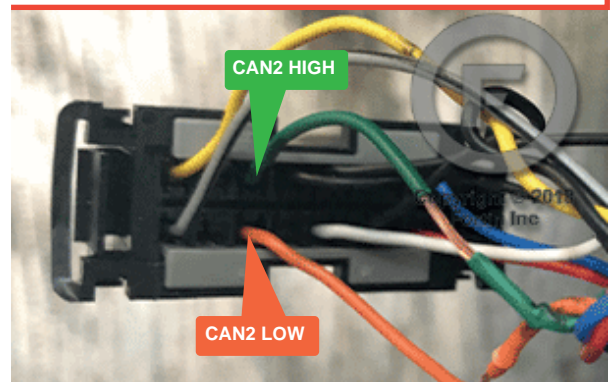


White or Blue connector

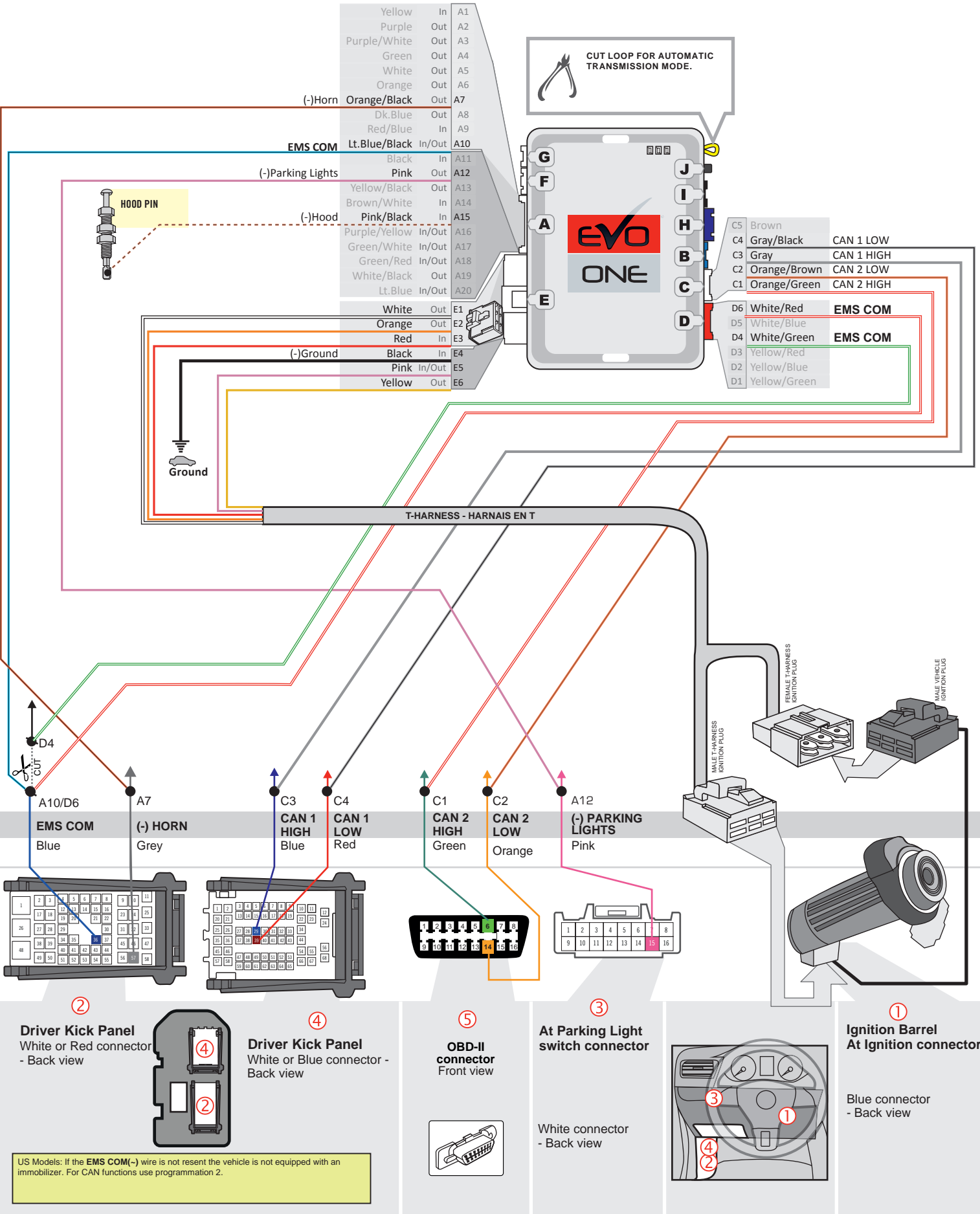


White or Red connector

⑤ OBD-II connector

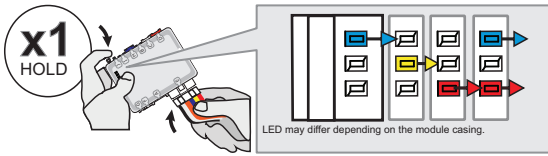


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE

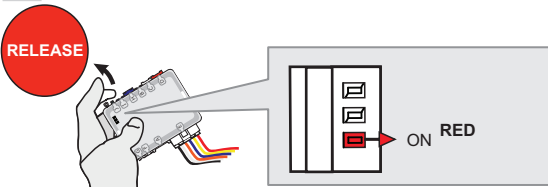
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

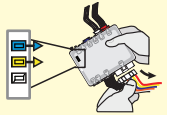
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

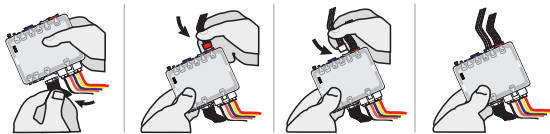


Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

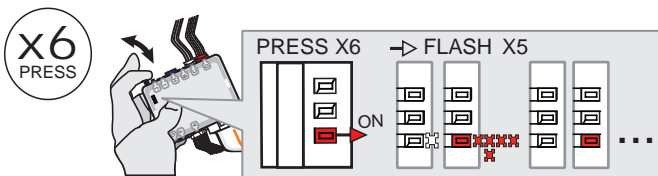


3



Insert the required remaining connectors.

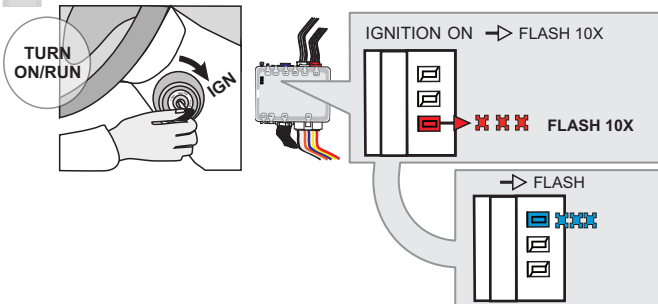
4



Press and release the programming button 6 times (6x).

↳ The RED LED will flash 5 times and pause.

5

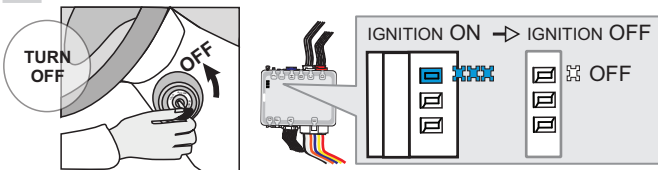


Turn the Ignition to the ON/RUN position.

↳ The RED LED will flash rapidly 10x times.
Key bypass programmed.

↳ The BLUE LED will flash rapidly.
CAN-Bus programmed.

6



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

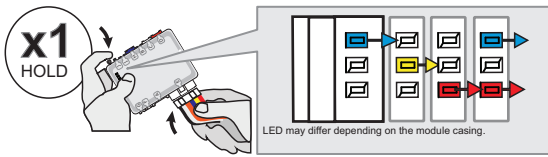


The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

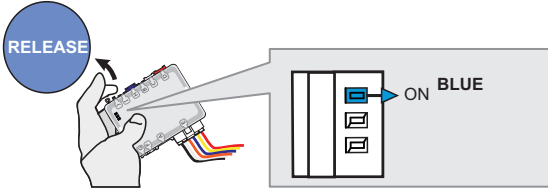
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

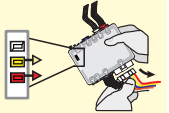
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

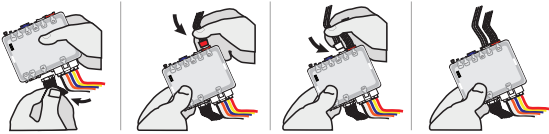


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

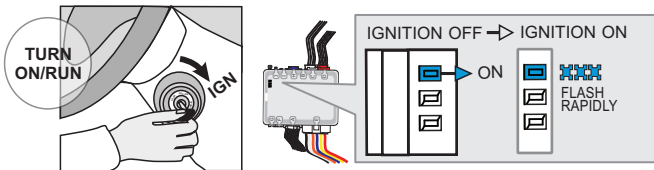


3



Insert the required remaining connectors.

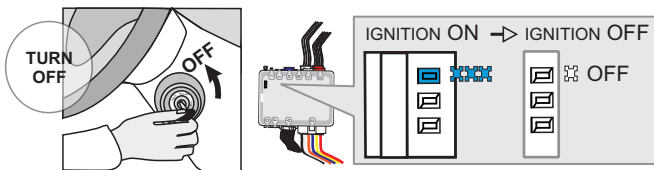
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

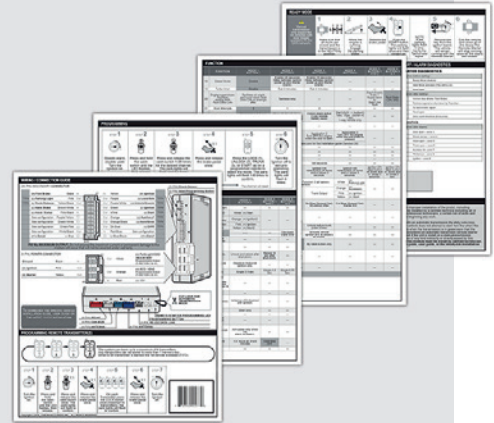


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



THAR-ONE-KHY2 THARNNESS INSTALLTION

ADDENDUM - SUGGESTED WIRING CONFIGURATION

VEHICLE	YEARS	Vehicle functions supported in this diagram (functional if equipped)															
		Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Trunk (open)	Parking Lights	RAP Disable	Tachometer	Door Status	Trunk Status	Hood Status*	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring**
KIA																	
Sedona	2015-2020	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•





BYPASS FIRMWARE VERSION

76.[60]


MINIMUM

To add the firmware version and the options, use the **FLASH LINK UPDATER** or **FLASH LINK MOBILE** tool, sold separately.

	Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION		DESCRIPTION
			A11	OFF
	Program bypass option:	UNIT OPTION		DESCRIPTION
			C1	OEM Remote status (Lock/Unlock) monitoring

NOTES

****OEM Remote Monitoring** The vehicles OEM remote will not be operate during remote start.



MANDATORY INSTALL

*** HOOD PIN**



HOOD STATUS: THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION **A11** TO OFF.

SECURITY STICKER



Included

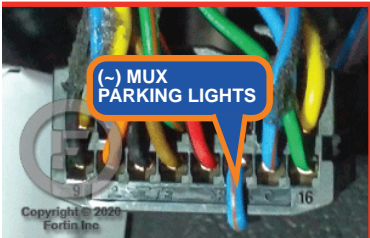
Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.

THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION

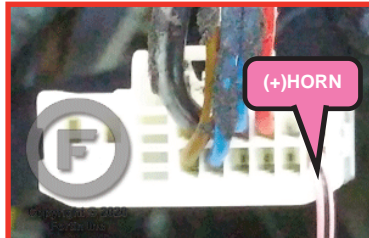
At parking light switch

③



Under steering column

④



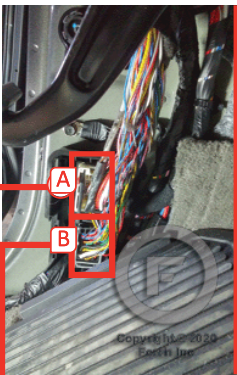
At ignition switch

①

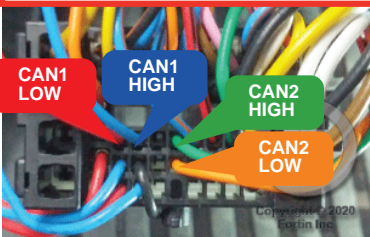


At driver's kick panel

②



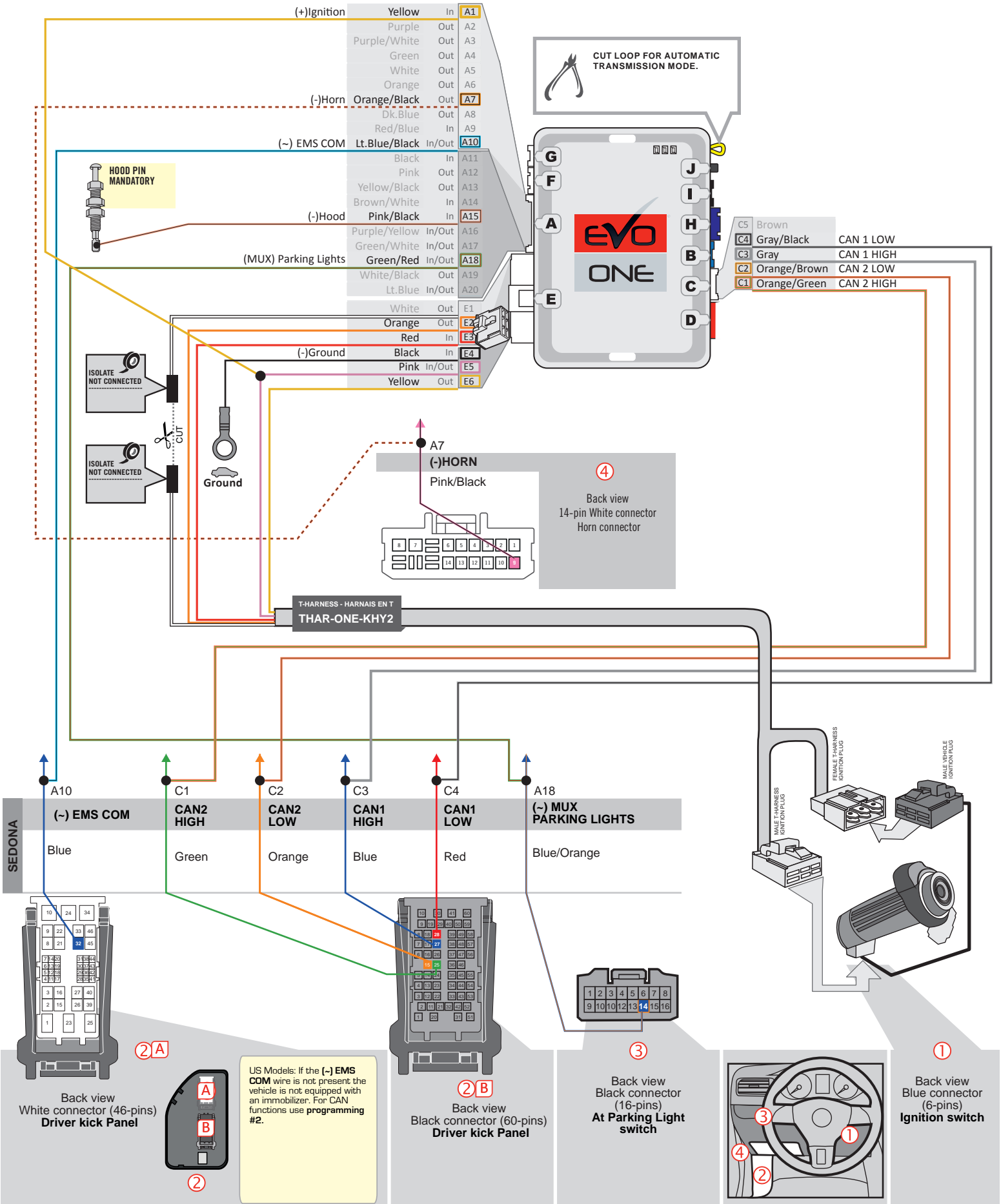
②B



②A

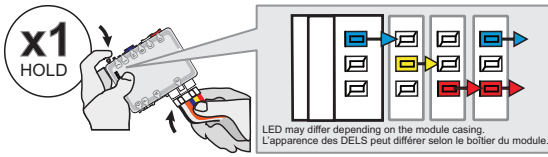


WIRING CONNECTION



KEY BYPASS PROGRAMMING PROCEDURE | PROCÉDURE DE PROGRAMMATION CONTOURNEMENT DE CLÉ

1



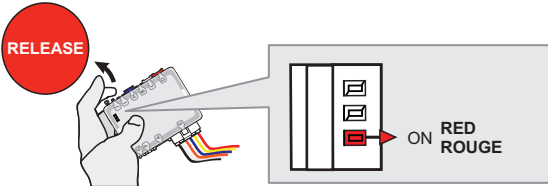
**Press and hold the programming button:
Insert the 6-Pin Main connector.**

↳The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

**Appuyez et maintenir le bouton de programmation enfoncé:
Insérez le connecteur Principal à 6-broches.**

↳Les DELS alterneront entre un clignotement BLEU, ROUGE, JAUNE & BLEU/ROUGE.

2

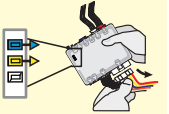


Release the programming button when the LED is RED.

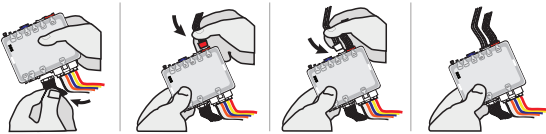
Relâchez le bouton de programmation quand la DEL est ROUGE.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

Si le DEL n'est pas ROUGE solide débranchez le connecteur 6 pins (Connecteur principal) et allez à l'étape 1.



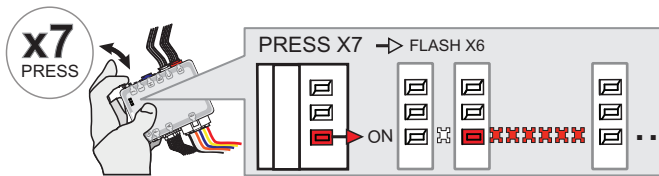
3



Insert the required remaining connectors.

Insérez les connecteurs requis restants.

4



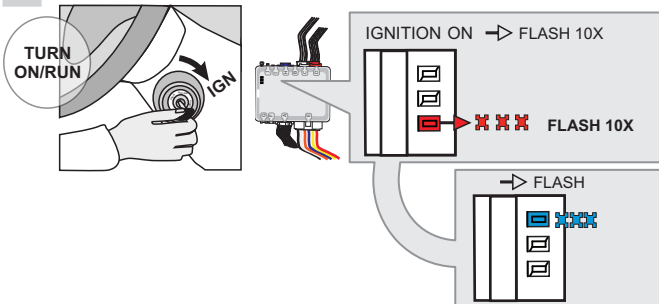
Press and release the programming button seven (7x) times.

↳The RED LED will flash 6 times each second.

Appuyez et relâchez 7 fois le bouton de programmation.

↳La DEL ROUGE clignote 6 fois chaque seconde.

5



Turn the Ignition to the ON/RUN position.

↳The RED LED will flash rapidly 10x times.
Key bypass programmed.

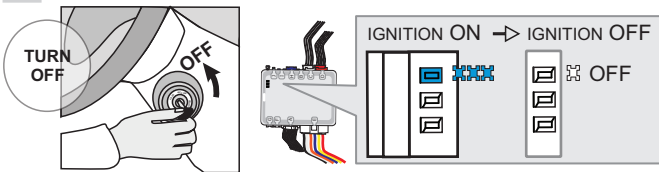
↳The BLUE LED will flash rapidly.
CAN-Bus programmed.

Tournez la clé en position ignition (ON).

↳La DEL ROUGE clignotera 10x fois rapidement.
Contournement de clé programmé.

↳La DEL BLEU clignotera rapidement:
Réseau CAN programmé.

6



Turn the Ignition to the OFF position.

↳The BLUE LED will turn off.

Tournez la clé à OFF.

↳La DEL BLEU s'éteint.



The module is now programmed.

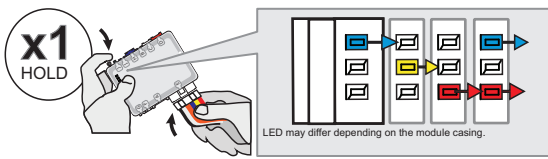
Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

Le module est programmé.

Testez toutes les fonctions supportées sur le véhicule avec la télécommande du démarreur à distance ou du système de sécurité.

PROGRAM.: 2 VEHICLE WITHOUT EMS COM WIRE |

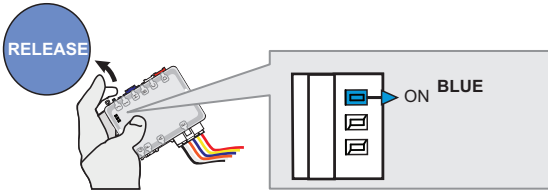
1



Press and hold the programming button:
Insert the 6-Pin Main connector.

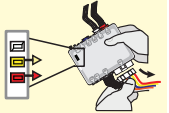
↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

2

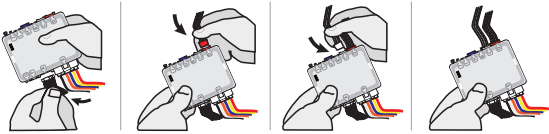


Release the programming button when the BLUE LED is ON.

If the BLUE LED is not ON solid **disconnect** the 6-Pin Main connector and **go back** to step 1.

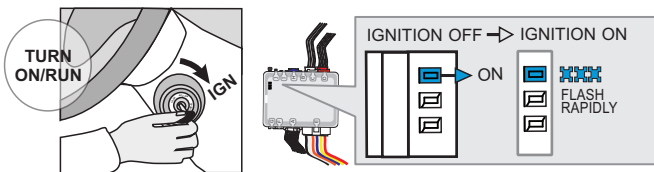


3



Insert the required remaining connectors.

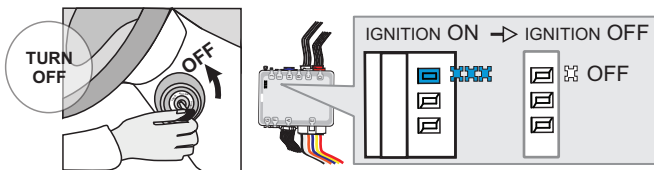
4



Turn the Ignition to the ON/RUN position.

↳ The BLUE LED will flash rapidly.

5



Turn the Ignition to the OFF position.

↳ The BLUE LED will turn off.

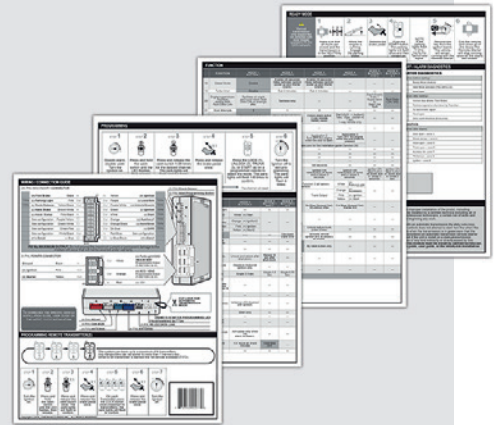


The module is now programmed.

REMOTE STARTER PROGRAMMING PROCEDURE |



REFER TO THE **QUICK INSTALL GUIDE** INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



REMOTE STARTER FUNCTIONALITY |



All doors must be closed.



Remote start the vehicle.



Unlock the doors with the remote-starter remote.



Insert and Turn the key to the Ignition ON/RUN position.



Press the brake pedal.



The vehicle can now be put in to gear and driven.



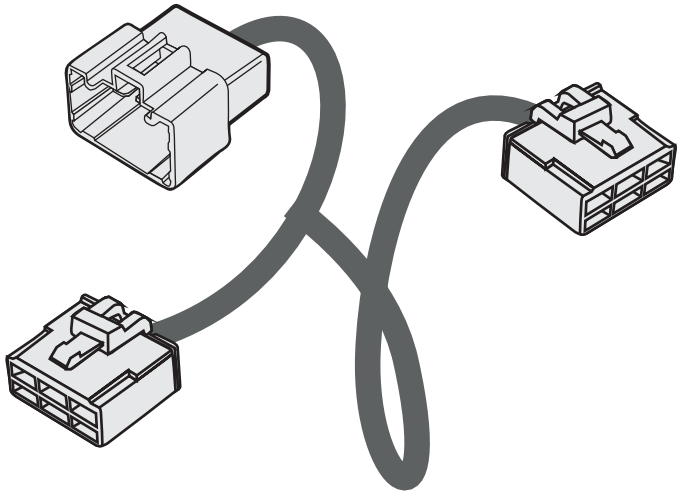
FORTIN[®]

THAR-ONE-KHY2

FOR EVO-ONE

IGNITION T-HARNESS INSTALLATION GUIDE FOR HYUNDAI & KIA VEHICLE - REGULAR KEY

EVO-ONE REQUIRED. (NOT INCLUDED)



PARTS REQUIRED



Parts required (Not included)
 Sold separately
 (see vehicle individual guide for
 more information on parts required)



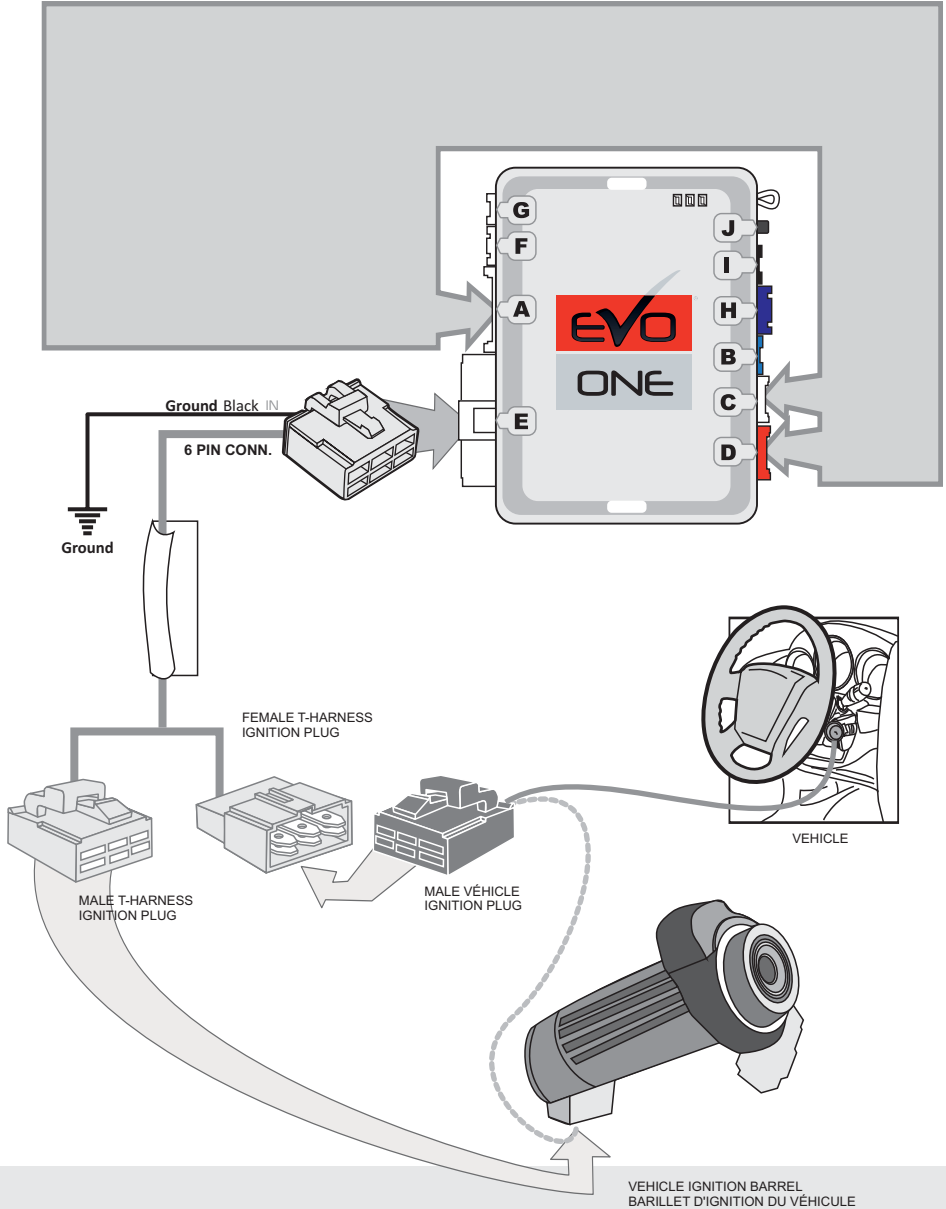
Notice: Updated Firmware and Installation Guides
 Updated firmware and installation guides are posted on our web site on a regular basis. We recommend that you update this module to the latest firmware and download the latest installation guide(s) prior to the installation of this product.

VEHICLE FIT GUIDE

VEHICLE	YEARS	T-HARNESS
HYUNDAI		
Accent	2012-2015	•
Elantra	2011-2015	•
Elantra GT	2013-2015	•
Genesis Coupe	2013-2015	•
Santa Fe	2013-2015	•
Sonata	2011-2015	•
Tucson	2010-2015	•
Veloster	2012-2015	•

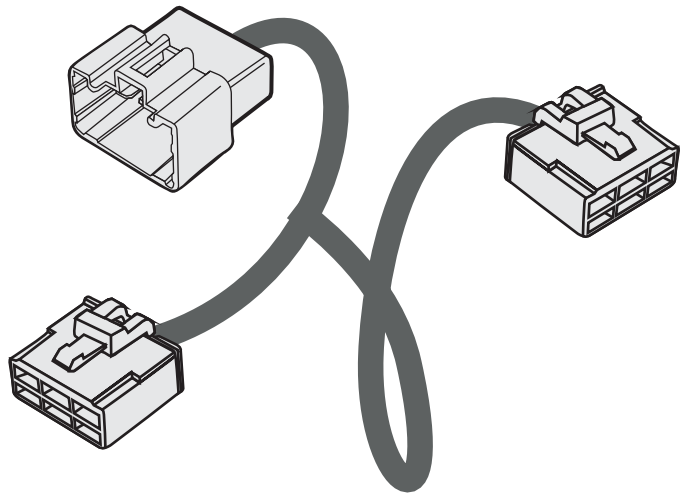
VEHICLE	YEARS	T-HARNESS
KIA		
Forte	2014-2015	•
Optima	2011-2015	•
Rio	2012-2015	•
Rondo	2014-2015	•
Sorento	2010-2015	•
Soul	2014-2015	•
Sportage	2011-2015	•

WIRING CONNECTION





THAR-ONE-KHY2



If you're looking for quality car alarms & remote start, visit our website.