



advanced FLOW engineering

Instruction Manual P/N: 77-46004

Make: Toyota

Model: Supra

Year: 2020

Engine: L6-3.0L(t)



THIS IS A HIGH-PERFORMANCE PRODUCT: Do not use this product until you have carefully read the following agreement and installation instruction. This sets forth the terms and conditions for the use of this product. The installation of this product indicates that the BUYER has read and understands this agreement and accepts its terms and conditions.

Before proceeding with the installation:

- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support.
- Ensure you have all necessary tools before proceeding. Do not attempt to work on your vehicle when the engine is hot.

Emission Disclaimer: This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.



Label	Qty.	Description	Part Number
A	1	Module	R77-46004
B	1	LED Switch	05-70029
C	2	Velcro (2" Inches)	05-01244
D	4	Cable Ties	05-60167





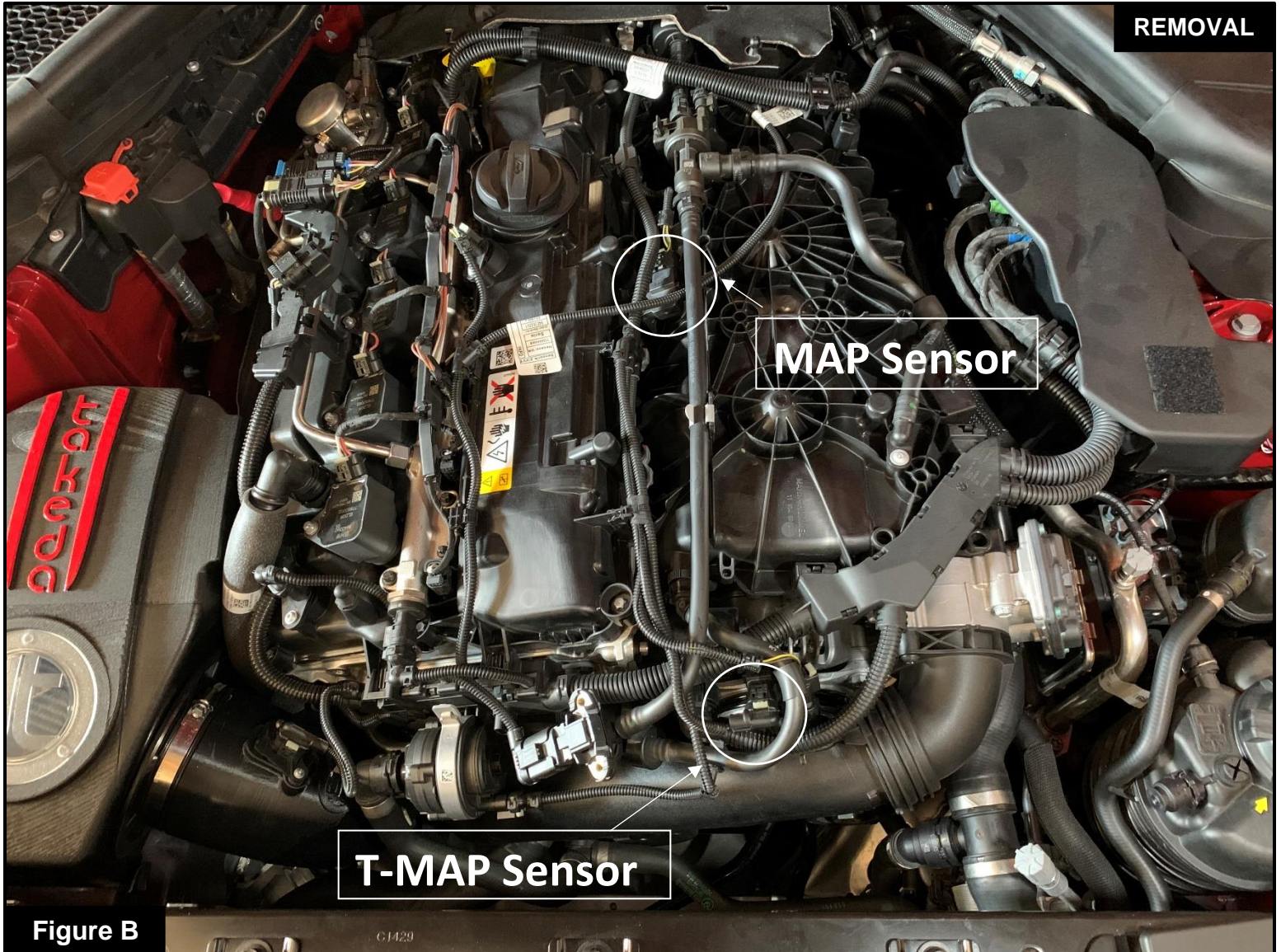
SLEEP MODE

Figure A

Refer to Figure A for Step 1

Step 1: Before installing your aFe POWER module, you will have to place your vehicle's ECU in sleep mode. In order to do this, you will need to do the following:

- If the engine is cold: open the hood, close the doors, lock the car and wait 30 seconds.
- If the engine is warm: open the hood, close the doors, lock the car and wait 20 minutes.
- If the engine is warm and you can't wait 20 minutes: disconnect the battery.



Refer to Figure B for Steps 2-3

Step 2: Remove engine cover to gain access to the MAP and T-MAP sensors.

Step 3: Locate the MAP and T-MAP sensors. MAP sensor is located on top of the intake manifold in proximity to the oil cap. The T-MAP sensor is located on the charge pipe towards the front of the engine bay.

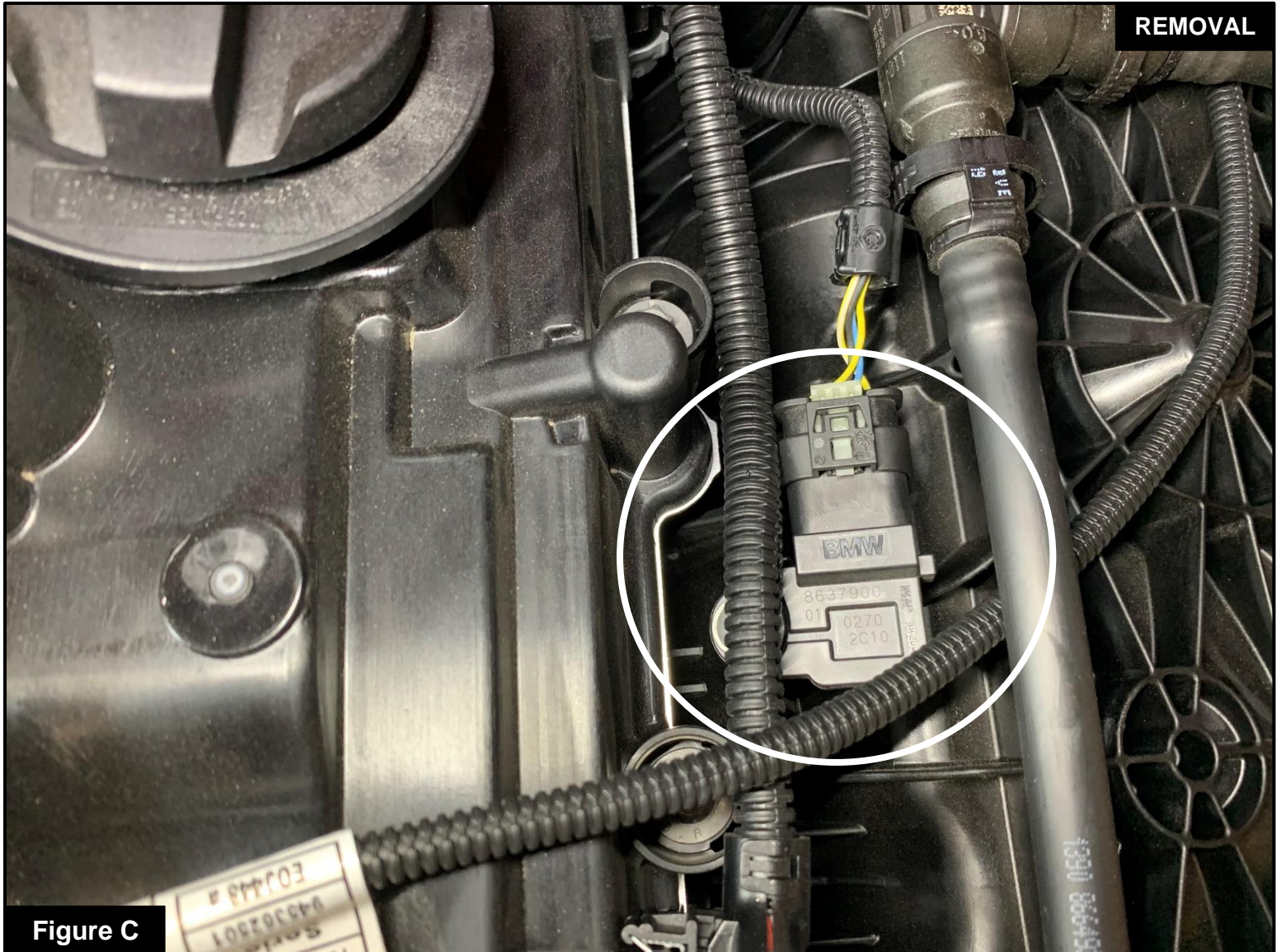


Figure C

Refer to Figure C for Step 4-5

Step 4: Locate and disconnect the MAP sensor connector by pressing down on the locking tab and sliding the connector out of the sensor.

Step 5: Locate the MAP sensor jumper harness on the aFe POWER harness. It is identified with a white label. Plug the female connector of the aFe POWER harness into the MAP sensor, then take the male connector of the aFe POWER harness and connect to the female connector of the engine harness.



Refer to Figure D for Step 6

Step 6: Check with Figure D to make sure the connectors are correctly connected.

 **Make sure that the connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.**

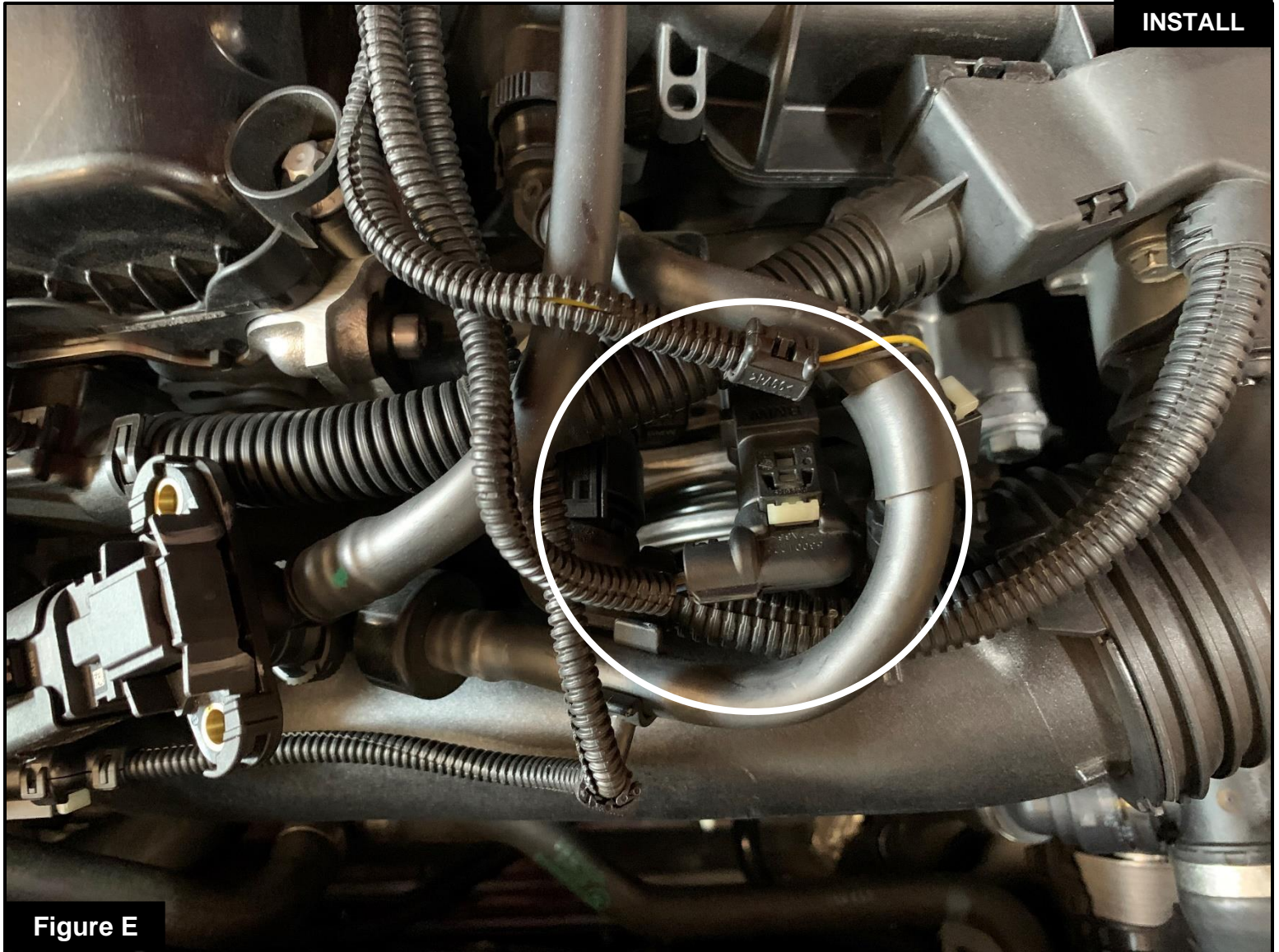
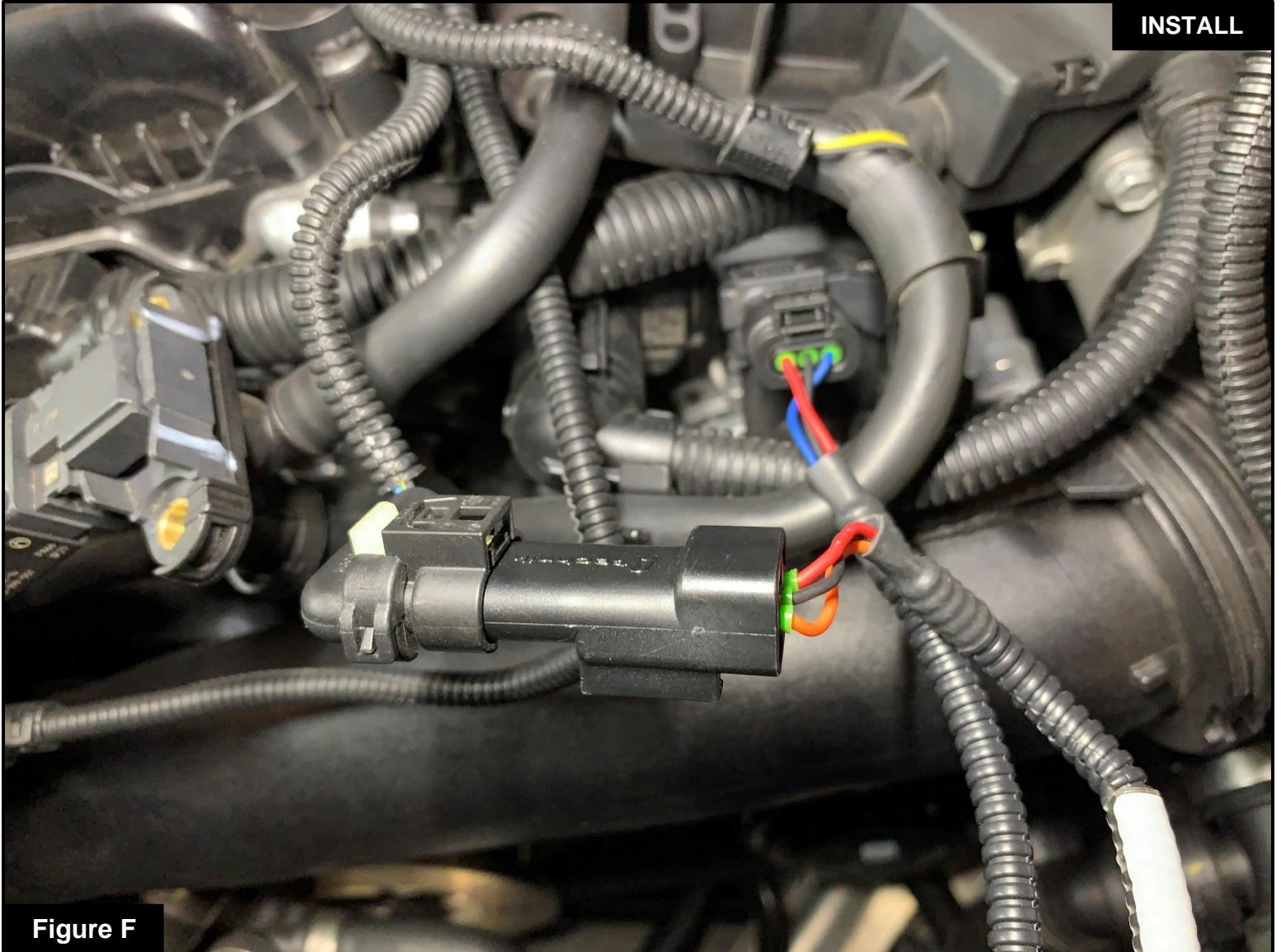


Figure E

Refer to Figure E for Step 7-8

Step 7: Locate and disconnect the T-MAP sensor connector by pressing down on the locking tab and sliding the connector out of the sensor.

Step 8: Locate the T-MAP sensor jumper harness on the aFe POWER harness. It is labeled T-MAP. This is the harness with four wires in each connector. Plug the female connector of the aFe POWER harness into the T-MAP sensor, then the male connector of the aFe POWER harness into the female connector of the engine harness.

**Figure F****Refer to Figure F for Step 9**

Step 9: Check with the pictures to make sure the connectors are correctly connected.



Make sure that the connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.



Refer to Figure G for Step 10

Step 10: Remove the plastic cover by turning knob counter-clockwise to gain access to wire-routing slot in the firewall.

**Figure H****Refer to Figure H for Step11**

Step 11: Locate hole behind the firewall leading into the driver side footwell. Route the cable from the LED switch from the cabin to the engine compartment.



Figure I

Refer to Figure I for Steps 12-13

Step 12: Carefully route the switch cable behind steering wheel cover.

Step 13: Mount the switch on an open, flat surface.

**Figure J****Refer to Figure J for Steps 14-17**

Step 14: Secure the Scorch module on top of the plastic cover near the strut tower on the driver side using the supplied Velcro.

Step 15: Connect the harness from the LED switch to the Scorch module.

Step 16: Reinstall the plastic cover on the driver side and turn the knob clockwise to lock it into place.

Step 17: Reinstall engine cover.



Figure K

Refer to Figure K (LED Switch)

When turning on the vehicle, each LED will flash, and it will stop at its last setting. The LED on the switch represents the different level of power.

- Green LED: Stock
- Yellow LED: Sport
- Orange LED: Sport+
- Red LED: Race

Use the grey button to select the desired setting. Power adjustments can be done at any time while the unit is on. Thank you for choosing aFe POWER.



Pro 5R Air Filter



P/N: 30-10296

BladeRunner Intercooler Tube



P/N: 46-20398-B

Takeda Momentum Intake System



P/N: 56-70015R

Sprint Booster



P/N: 77-16510

Blue Squeeze Restore Kit



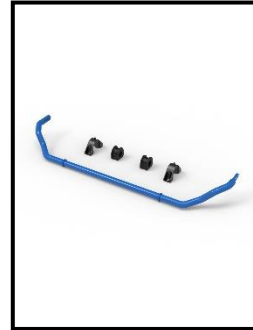
P/N: 90-50501

Takeda Cat-Back Exhaust



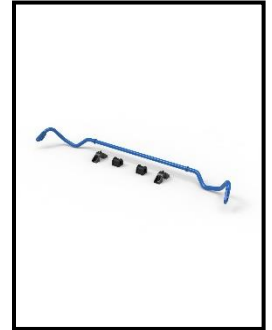
P/N: 49-36043-C

aFe Control Front Sway Bar



P/N: 440-721001FL

aFe Control Rear Sway Bar



P/N: 440-721001RL