



# BX2653

## 2013-16 Lincoln MKZ (Includes Hybrid) w/ EcoBoost & Adaptive Cruise Installation Instructions

**Attachment Tab Height: 12-1/2"**

**Attachment Tab Width: 15"**

**Please read BOTH these Installation Instructions and the General Information sheet prior to installing or operating this equipment.**

1. Blue Ox® towing products and accessories are intended to be installed by Blue Ox® Dealers who are familiar with our products and have the equipment and knowledge necessary to do "it work".
2. Many Blue Ox® baseplates are designed to use existing holes and hardware to mount the baseplate to the towed vehicle. Even though bolts are there, do not assume they are adequate for baseplate mounting. Always use the hardware supplied in the hardware kit and existing hardware as specified in the installation instructions.

<b>Bolt Torque Specifications</b>		
Torque in Foot-Pounds for Inch Bolts		
<b>Bolt Size</b>	<b>Grade 5</b>	<b>Grade 8</b>
1/4"	10	14
5/16"	19	29
3/8"	33	47
7/16"	54	78
1/2"	78	119
5/8"	154	230
3/4"	257	380



<b>Bolt Torque Specifications</b>		
Torque in Foot-Pounds for Metric Bolts		
<b>Bolt Size</b>	<b>Grade 8.8</b>	<b>Grade 10.9</b>
6MM	6	8
8MM	16	22
10MM	31	40
12MM	54	70
14MM	89	117
16MM	161	230
18MM	222	318

**Reference your vehicle owner's manual for manufacturer's towing specifications.**

## WARNING

Failure to read and follow these instructions could result in separation of the towed vehicle from the tow bar, causing property damage, loss of towed vehicle, personal injury or death.

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Installation Instructions

**Instruction Notes:** The fascia and headlights are removed and reinstalled for the baseplate installation. Some drilling and trimming is required.

Place all components that are removed on a flat, sturdy surface. All items will be reinstalled unless otherwise noted after the baseplate is installed.

The dimensional variations between otherwise identical vehicles can be considerable. While the baseplate was designed for easy installation, it may be necessary to tailor the baseplate slightly to compensate for vehicle manufacturer's tolerances.

**Fitment Notes:** Baseplates manufactured after 6/14/16 will have longer convenience links for easier safety cable hook up.

## ***NOTICE***

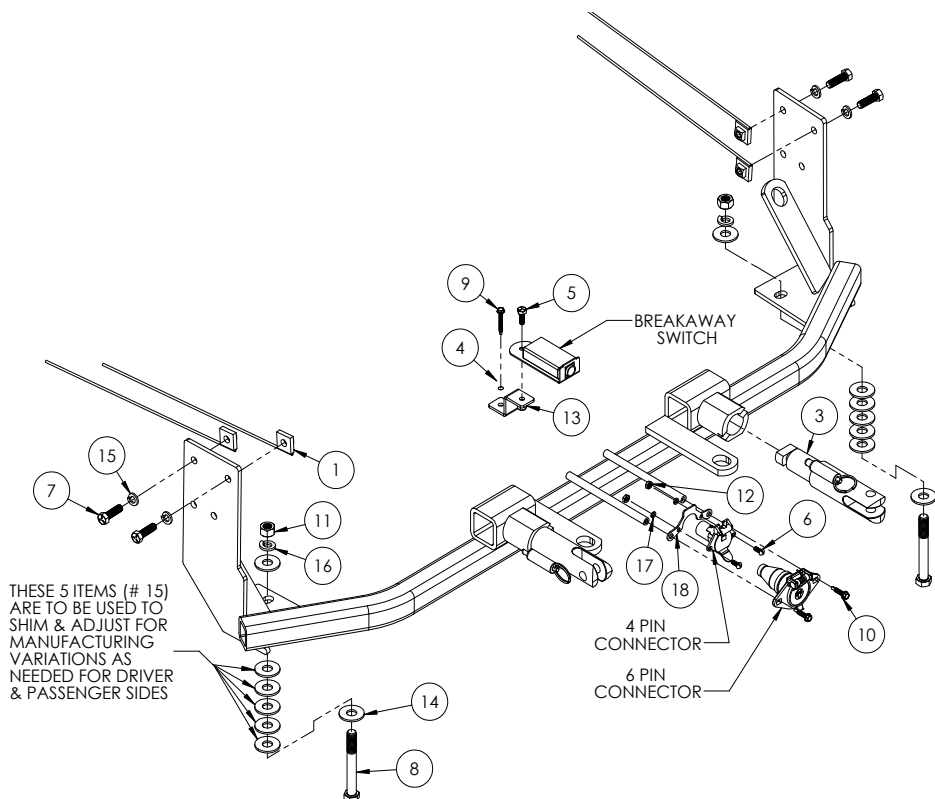
- Handling of some cosmetic parts when installing this product may require the use of protective covers, rags, specialty tools, etc. to prevent damage.
- When using power drills be aware of the dangers of torque and drill bit length.
- When using a reciprocating saw be aware of objects behind the cutting surface.
- Use a good quality paint to spray cut edges of frame to prevent rusting.
- Be sure that **ALL** electrical connections are plugged in and accessories are functioning properly before reinstalling the fascia.
- The baseplate is computer tested to your vehicle's GVWR, exceeding this weight will void the manufacturer's warranty.
- Be sure to use a sufficient amount of Loctite® Red on all bolt threads before tightening. Tighten all bolts according to the torque chart provided.
- Dealer or installer be certain the user receives these instruction sheets.
- If the baseplate is in an accident, it must be replaced. **DO NOT** use it again! An accident can cause unseen damage and using it again could result in more damage or serious injury. **DO NOT** use the baseplate if it is damaged or missing parts.

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### Tools Required

Large Vise Grip  
 Flat Screwdriver  
 Utility Knife  
 Phillips Screwdriver  
 Hammer  
 Torque Wrench  
 Drill  
 Reciprocating Saw  
 Tape Measure  
 Loctite® RED  
 3/8" Drill Bit  
 1/2" Drill Bit  
 7MM Socket  
 8MM Socket  
 10MM Socket  
 13MM Socket  
 9/16" Socket  
 9/16" Wrench  
 3/4" Socket  
 3/4" Wrench  
 T25 Torx  
 T30 Torx



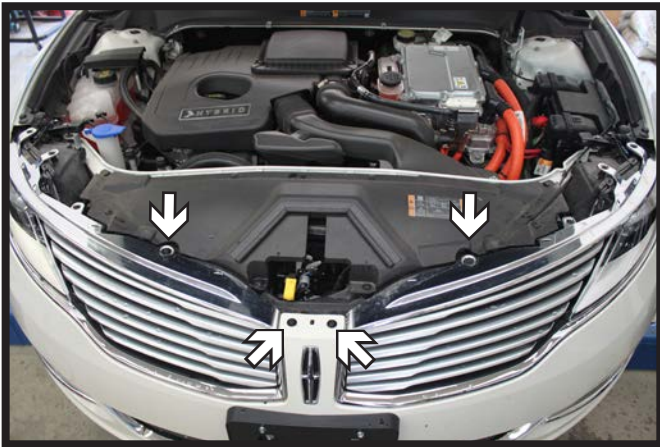
Item No.	Part No.	Description	Qty.
1.....	61-5208.....	3/8"-16 Nut Plate w/ 14" Wire.....	4
2.....	61-7376.....	BX2653 Baseplate.....	1
3.....	62-3468.....	Attachment Tab Assembly with Hole.....	2
4.....	102-7134.....	Breakaway Bracket.....	1
5.....	201-0050.....	1/4"-20 x 3/4" Hex Head Bolt, Grade 5, ZP.....	1
6.....	201-0192.....	#10-32 1/2" Round Slotted Head Screw.....	2
7.....	201-0368.....	3/8"-16 x 1-1/4" Hex Head Bolt, Grade 5, ZP.....	4
8.....	201-0581.....	1/2"-13 x 4" Hex Head Bolt, Grade 5, ZP.....	2
9.....	201-0708.....	#10-16 x 1-1/2" Self Drilling Screw, ZP.....	1
10.....	201-0979.....	#12-14 x 1" Self Drilling Screw, ZP.....	2
11.....	202-0005.....	1/2"-13 Hex Nut, ZP.....	2
12.....	202-0047.....	#10-32 Hex Nut.....	2
13.....	202-0102.....	1/4"-20 Hex Nylon Nut, ZP.....	1
14.....	203-0005.....	1/2" Flat Washer, ZP.....	14
15.....	203-0010.....	3/8" Lock Washer, ZP.....	4
16.....	203-0012.....	1/2" Lock Washer, ZP.....	2
17.....	203-0054.....	#10 Lock Washer, ZP.....	2
18.....	299-0685.....	4-Way Bracket.....	1
19.....	226-0046(not shown).....	Class III Safety Cables.....	2
20.....	229-0359(not shown).....	3/8" Quicklink, ZP.....	2
21.....	290-0437(not shown).....	Black Cap Plug Receiver.....	2

### Important:

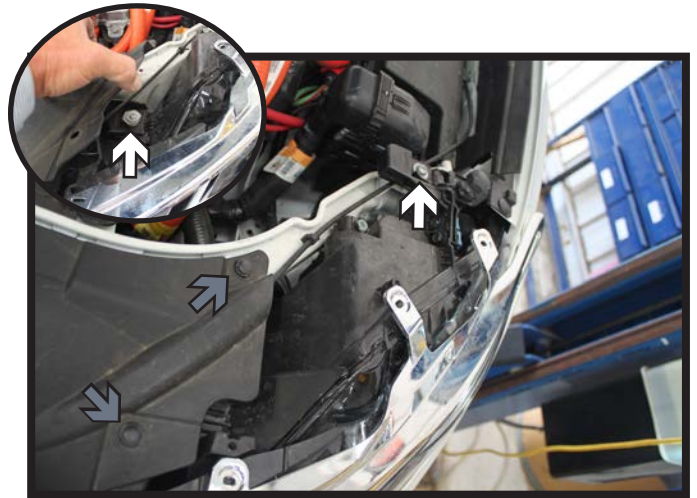
Use only genuine factory replacement parts on your baseplate. Do **NOT** substitute homemade or non-typical parts. If a bolt is lost or in need of replacement, for your safety and the preservation of your baseplate, be sure to use a replacement bolt of the same grade (In most cases it will be Grade 5, please reference the parts list above). Replacement parts may be ordered through your nearest Blue Ox® Dealer or Distributor. Failing to follow and/or altering these installation instructions in either installation or required equipment will void the manufacturer's warranty. Towing behind a non-motorized vehicle will void the warranty.

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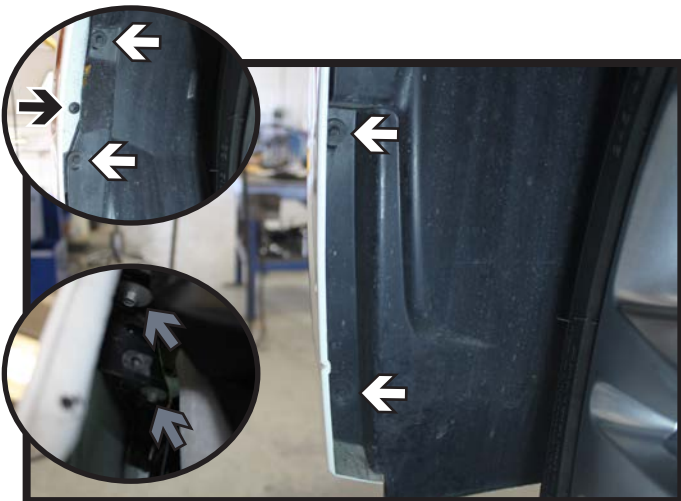
### 2013-16 Lincoln MKZ (Includes Hybrid) w/ EcoBoost & Adaptive Cruise Installation Instructions



1. Using a T25 Torx, remove the four (4) screws from the top edge of the fascia.



2. On the top side of the fascia, remove the two (2) push pins (gray). Then using a T25 Torx remove the two (2) screws from the headlight assembly (white). The second screw is underneath the cover (inset).



3. In the wheel well, using a 7MM socket, remove the four (4) screws (white). Then using a Phillips screwdriver remove the outer screw (black).

Behind the wheel well cover, using a 8MM socket, remove the two (2) screws (gray).

Do this on both sides of the vehicle.

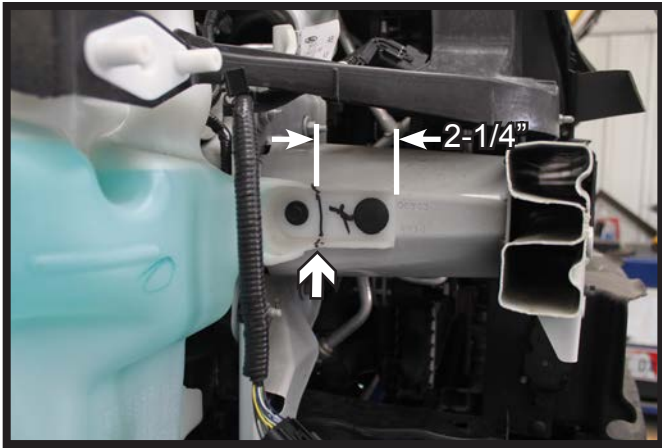


4. Using a 7MM socket, remove the eight (8) screws from the underside of the fascia. There are two (2) on each side and four in the middle. Pull the fascia away from the vehicle disconnecting the all electrical connections. Set the fascia aside.



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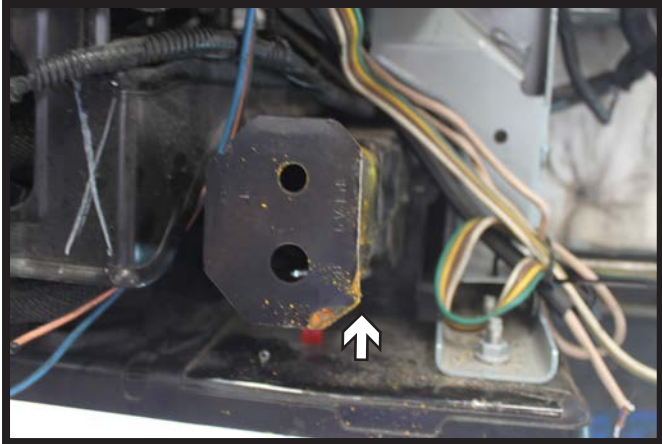
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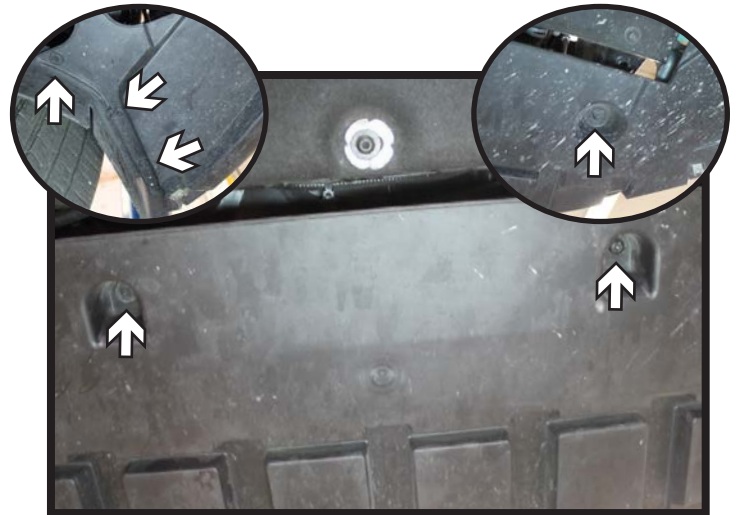
5. Using a utility knife, trim the outer flange of the washer fluid reservoir back approximately 2-1/4" as shown.



6. Trim the radiator shrouding approximately as shown for baseplate clearance. Do this on both sides of the vehicle.



7. Using a reciprocating saw, trim off the outer edge of the extension flange flush with the weld for baseplate clearance. Do this on both sides of the vehicle.



8. Using a 7MM socket, remove the eight (8) screws from the skid plate. There are three (3) in front of each tire (left inset) and one (1) on either side just inwards from the outer screws (right inset).

Using a 30 Torx, remove the two (2) screws in the middle. Set the skid plate aside.

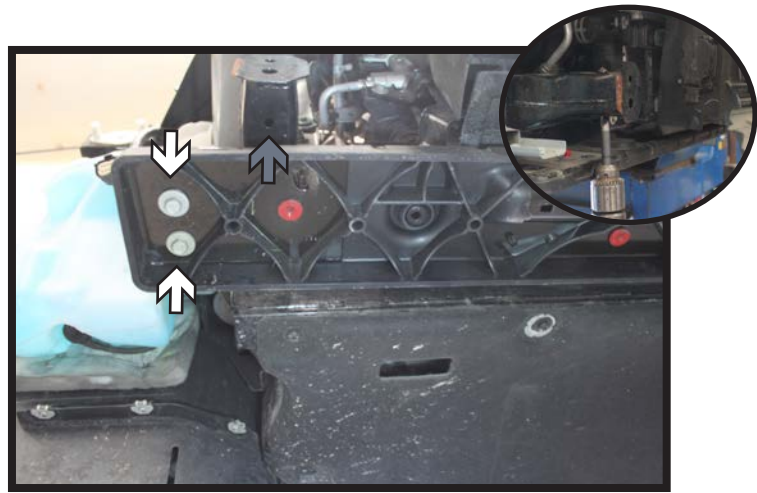
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9. Using a 1-1/4" hole saw, drill an access hole on the passenger side (left) and driver side (right) as shown for nut plate access.

Note: On the passenger side keep the access hole as high up on the angled part of the frame to avoid the front hole of the baseplate.

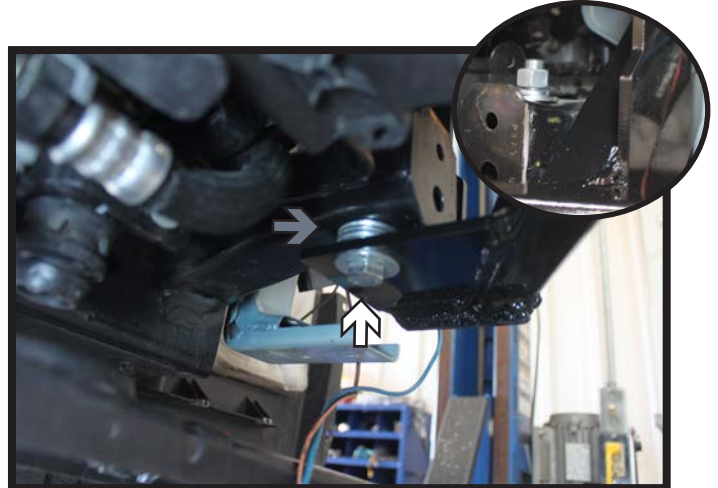


10. Using a 13MM socket, remove the two (2) screws from the support (white). Move the support inwards and ream out the existing hole (gray) with a 1/2" drill bit (inset).

Reinstall the support screws and repeat on the other side of the vehicle.



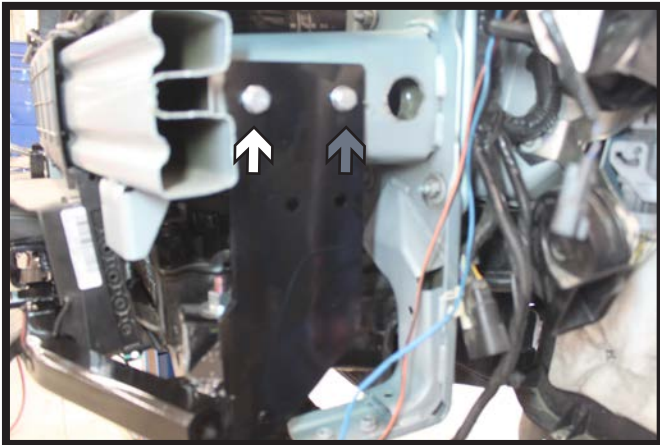
11. Using the existing holes in the frame, pin the rear baseplate holes to the frame with 3/8"-16 x 1-1/4" bolts and 3/8" lock washers.



12. Install a 1/2"-13 x 4" bolt with a 1/2" flat washer into the bottom hole (white). Use four (4) to five (5) 1/2" washers in between the baseplate and extension as shims (gray). Install a 1/2" flat washer, 1/2" lock washer and 1/2" hex nut onto the bolt on the top side of the extension (inset). Do this on both sides of the vehicle. Level the baseplate and tighten down all hardware.

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13. Install a 3/8" nut plate onto the rear bolt on the inside of the frame (gray). Do this on both sides of the vehicle. Fully tighten both bolts.

Using a 3/8" drill bit, drill the front hole of the baseplate thru the frame. Do this on both sides of the vehicle. Install 3/8"-16 x 1-1/4" bolts with 3/8" lock washers into the holes and 3/8"-16 nut plates on the inside of the frame. Fully tighten both bolts.



14. Attach the permanent baseplate safety cables to the provided convenience link on the baseplate. The photo above shows the recommended installation of the cables to frame of vehicle. Additional options may interfere with suggested mounting; in this case, secure the cables to a solid piece of the frame as described in the instructions included with the permanent baseplate safety cables. Be sure the safety cables do not rub against any hoses or moving parts. Do this on **BOTH** sides of the vehicle.



15. Hold the fascia as close to its original position, mark and trim the fascia around the convenience links and attachment tabs. **Important:** Ensure that nothing is installed in front of the ACC sensor. Obstructions will cause false readings from the sensor. Reinstall the fascia.



# General Information

1. It is the owner's responsibility to inspect all towing equipment for cracked welds, missing or worn parts and loose bolts before each towing trip. Be sure to use Loctite® Red on all bolts and tighten to the recommended specifications.
2. It is the owner's responsibility to hook up all towing equipment per manufacturer's instructions/ recommendations.
3. Remove the attachment tabs when not in use (if applicable).

## Notice To Baseplate Installer

1. It is YOUR responsibility to watch for:

- Oil cooler and air conditioner lines
- Electrical wires and hoses
- Missing parts or attaching points on the frame

\*\* If the baseplate is improperly installed and is against a wire or hose, it could cause fluid leaks or electrical shorts some time after the actual baseplate installation.

## Permanent Baseplate Safety Cable Installation

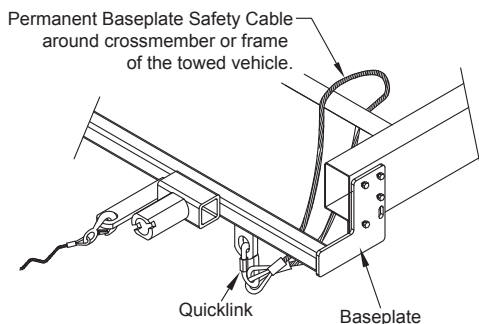
Permanent baseplate safety cables are strongly recommended when towing a vehicle with a tow bar. The principle function of the permanent baseplate safety cables is to prevent the towed vehicle from breaking loose in the event the connection between the frame of the towed vehicle and the baseplate fails or becomes disconnected. The cables must be connected from the baseplate to the frame rail or cross member of the vehicle's frame. The illustrations below show the possible arrangements recommended by Blue Ox®. Each permanent baseplate safety cable must have an adequate weight rating for the towing system. The weight rating of the two (2) cables together will not qualify.

***Do not mount the permanent baseplate safety cables against wires, hoses or brake lines.***

These permanent baseplate safety cables should remain installed as long as the baseplate is installed on the vehicle. Permanent baseplate safety cables are to be used in conjunction with, and NOT a replacement for legally required safety cables attaching the towed vehicle to the towing vehicle.

### Option #1

(Baseplates with Convenience Link Tabs)



### Option #2

(Baseplates with out Convenience Link Tabs)

