



# BX2645

## 2013-14 Lincoln MKT w/ Adaptive Cruise & EcoBoost 2013-14 Ford Flex w/ Adaptive Cruise & EcoBoost Installation Instructions

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

Serial Number

Attachment Tab Height: 15"

Attachment Tab Width: 20"

- 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 "fit work". If needed, Blue Ox® Dealers can be found at [www.blueox.com](http://www.blueox.com) or by contacting our Customer Care Department at (402) 385-3051.
- 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.

### Bolt Torque Specifications

Torque in Foot-Pounds for Inch Bolts

Bolt Size	Grade 5	Grade 8
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

### Bolt Torque Specifications

Torque in Foot-Pounds for Metric Bolts

Bolt Size	Grade 8.8	Grade 10.9
6MM	6	8
8MM	16	22
10MM	31	40
12MM	54	70
14MM	89	117
16MM	161	230
18MM	222	318



If the front of your vehicle looks different than this, please contact us at (402)385-3051.



## 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.

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

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**Instruction Notes:** The fascia, horn and windshield washer fluid reservoir 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.

The BX8848 Tail Light Wiring Kit is recommended for this vehicle.

## ***NOTICE***

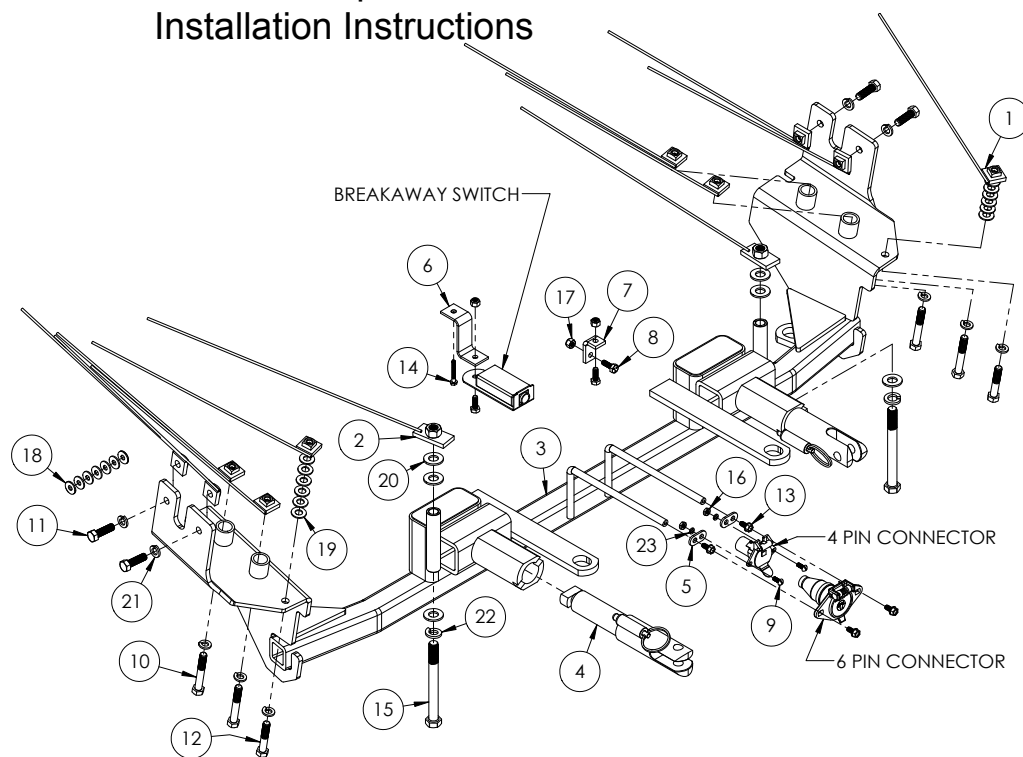
- Handling of some cosmetic parts when installing this product may require the use of protective covers, rags, specialty tools, etc. to prevent damage.
- When using power drills be aware of the dangers of torque and drill bit length.
- When using a reciprocating saw be aware of objects behind the cutting 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 Loctite® Red on all bolts before tightening. Tighten all bolts according to the torque chart provided.
- Dealer or installer be certain the user receives these instruction sheet.
- 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  
1/4" Drill Bit  
13/32" Drill Bit  
17/32" Drill Bit  
5.5MM Socket  
8MM Socket  
10MM Socket  
9/16" Socket



Item No.	Part No.	Description	Qty.
1.....	61-5208 .....	3/8"-16 Nut Plate with 14" Wire .....	10
2.....	61-5496 .....	1/2" Nut Plate with Wire.....	2
3.....	61-7223 .....	BX2645 Baseplate.....	1
4.....	62-3469 .....	Attachment Tab Assembly with Hole.....	2
5.....	101-5822 .....	4 Way Connector Adapter.....	2
6.....	102-7056 .....	Breakaway Bracket.....	1
7.....	102-7401 .....	Support Bracket.....	1
8.....	201-0050 .....	1/4"-20 x 3/4" Hex Head Bolt, Grade 5, ZP.....	3
9.....	201-0192 .....	#10-32 1/2" Round Slotted Head Screw.....	2
10.....	201-0336 .....	3/8"-16 x 2-1/2" Hex Head Bolt, Grade 5, ZP .....	4
11.....	201-0368 .....	3/8"-16 x 1-1/4" Hex Head Bolt, Grade 5, ZP .....	4
12.....	201-0444 .....	3/8"-16 x 2" Hex Head Bolt, Grade 5, ZP.....	2
13.....	201-0553 .....	1/4-20 x 1/2" Hex Wshd Bolt Type F TCS, ZP.....	2
14.....	201-0654 .....	#10-16 x 1" Self Drilling Screw, ZP .....	1
15.....	201-0786 .....	1/2"-13 x 5" Hex Head Bolt, Grade 5, ZP.....	2
16.....	202-0047 .....	#10-32 Hex Nut .....	2
17.....	202-0102 .....	1/4"-20 Hex Nylon Nut, ZP.....	3
18.....	203-0001 .....	1/4" Flat Washer, ZP.....	7
19.....	203-0003 .....	3/8" Flat Washer, ZP.....	12
20.....	203-0005 .....	1/2" Flat Washer, ZP.....	6
21.....	203-0010 .....	3/8" Lock Washer, ZP .....	10
22.....	203-0012 .....	1/2" Lock Washer, ZP .....	2
23.....	203-0054 .....	#10 Lock Washer, ZP .....	2
24.....	226-0046(not shown).....	Class III Safety Cables .....	2
25.....	229-0359(not shown).....	3/8" Quicklink, ZP .....	2
26.....	290-0437(not shown).....	Black Cap Plug Receiver .....	2

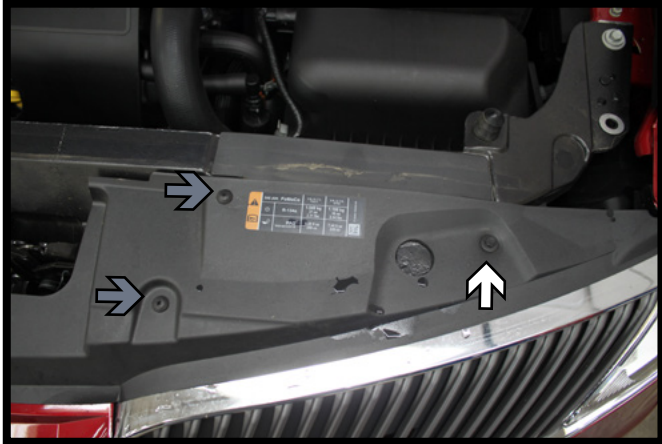
### Important:

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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### 2013-14 Lincoln MKT w/ Adaptive Cruise & EcoBoost 2013-14 Ford Flex w/ Adaptive Cruise & EcoBoost Installation Instructions

#### FASCIA & GRILLE REMOVAL FOR LINCOLN MKT ONLY



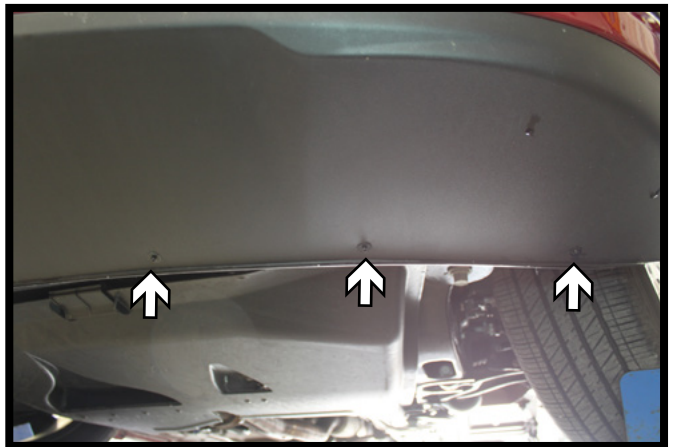
1. Using a 10MM socket, remove one (1) bolt from the top of the fascia (white). Also remove the two (2) push pins using a Phillips screwdriver (gray). Do this on both sides of the vehicle.



2. Using a 5.5MM socket, remove the three (3) screws from the outer edge of the wheel well. Do this on both sides of the vehicle.



3. Remove the three (3) push pins from the underside of the fascia.

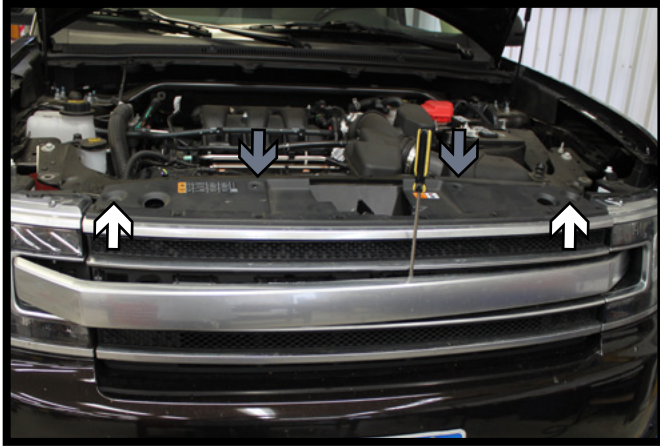


4. Using a 5.5MM socket, remove the seven (7) screws from the underside of the fascia. Pull the fascia forwards disconnecting all electrical connections and set the fascia aside.

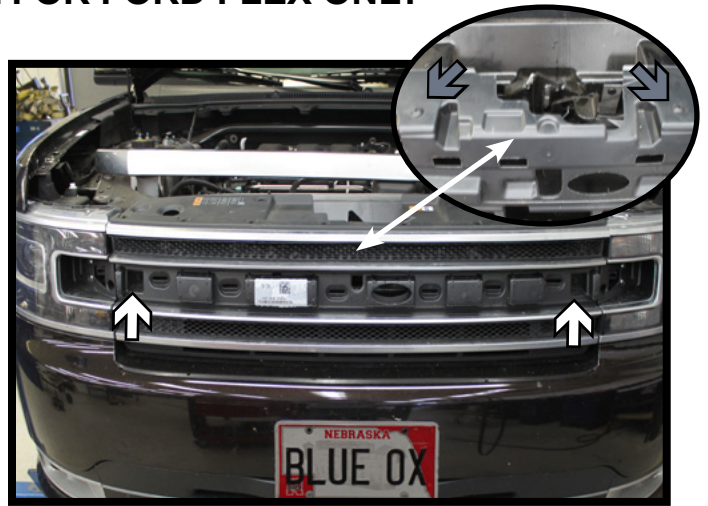
After grille and fascia are removed continue to page 6

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**FASCIA & GRILLE REMOVAL FOR FORD FLEX ONLY**

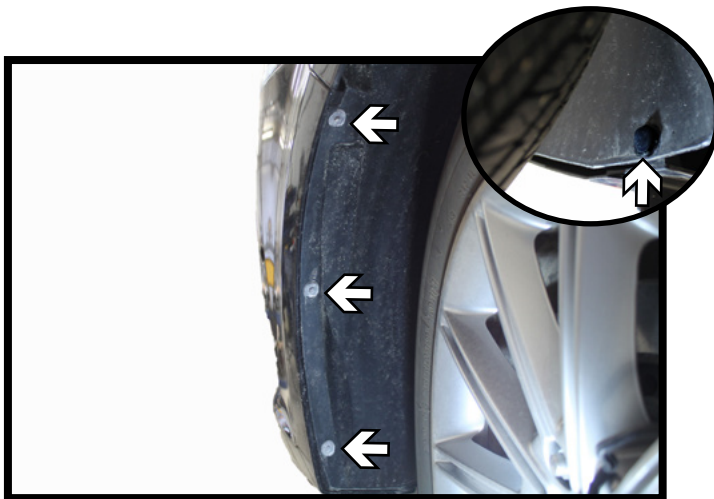


1. Using a 10MM socket, remove the two (2) screws (white). Then remove the two (2) Phillips head push pins (gray) from the top of the grille. Then using a straight screwdriver pop out the chrome trim insert straight out from the grille.

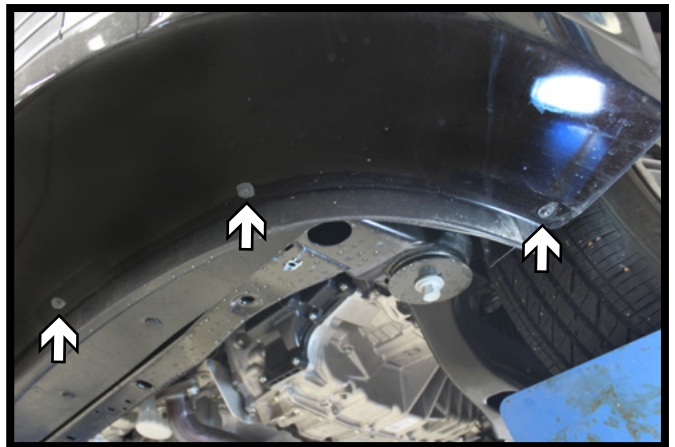


2. Using a 10MM socket, remove the two (2) screws from the face of the grille. Remove the grille from the vehicle and set aside.

Underneath the grille, remove the two (2) push pins from either side of hood latch (gray).



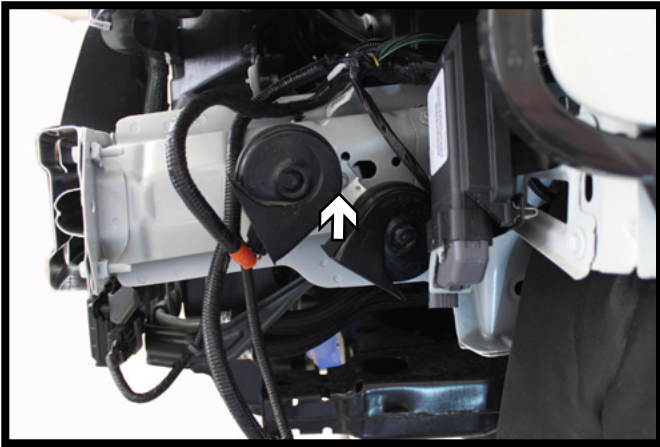
3. Using a 5.5MM socket, remove the three (3) screws from the outer edge of the wheel well. Then on the inner lower edge of the wheel well, remove the one (1) push pin (inset). Do this on both sides of the vehicle.



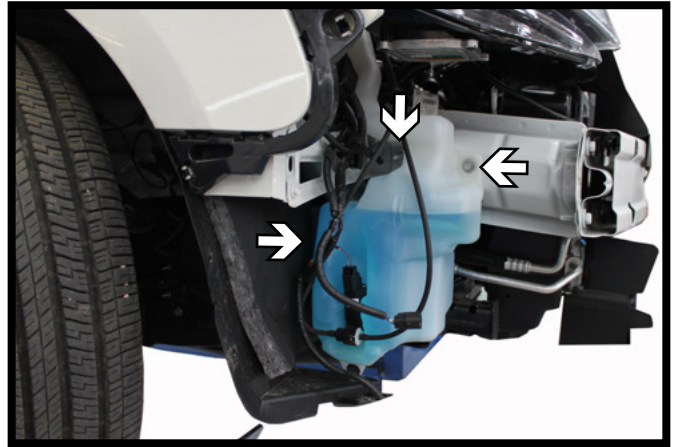
4. Using a 5.5MM socket, remove the screws from the underside of the fascia. Pull the fascia forwards disconnecting all electrical connections and set the fascia aside.

2013 Models: Will have eight (8) screws  
2014 Models: Will have seven (7) screws

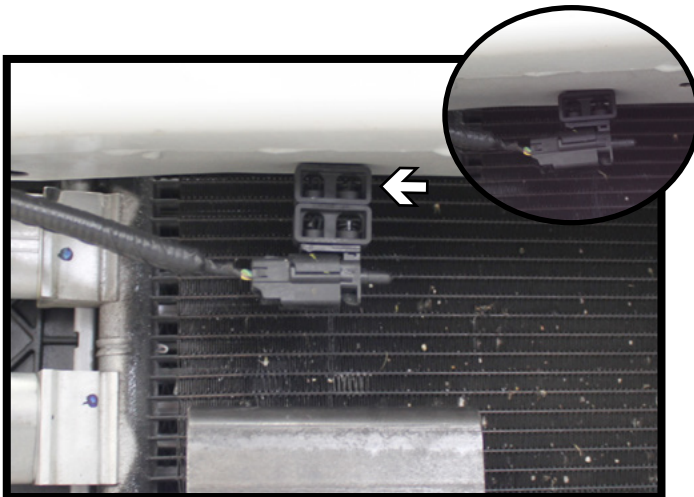
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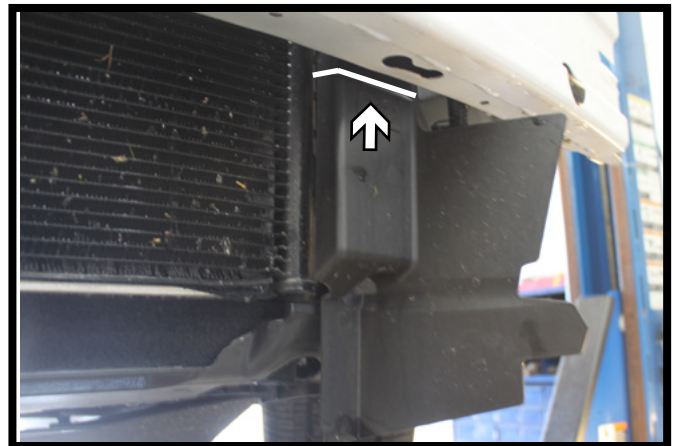
5. On the driver side, using a 8MM socket, remove one (1) bolt from the horn bracket and set aside.



6. On the passenger side, using a 10MM socket, remove the three (3) screws from the washer reservoir. There are two (2) on the front and one (1) on the backside. Disconnect/plug all lines and set reservoir aside.

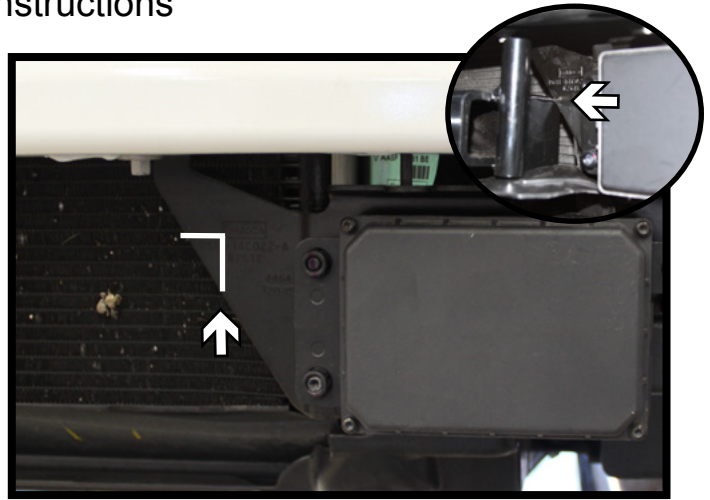
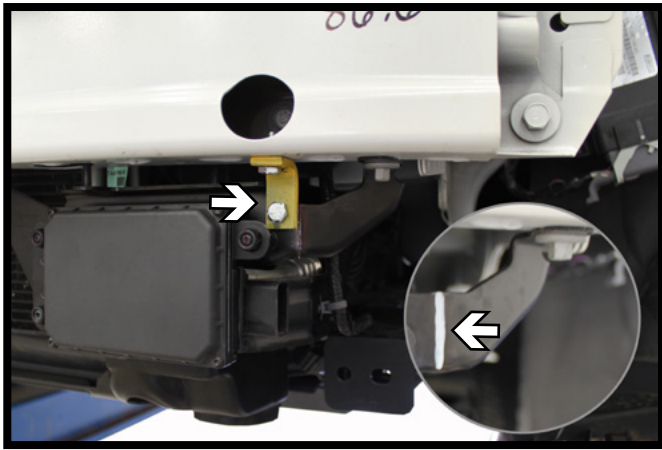


7. On the passenger's side, unclip the air temperature sensor from the bumper. Remove the top block and reattach the sensor to the bumper (inset).



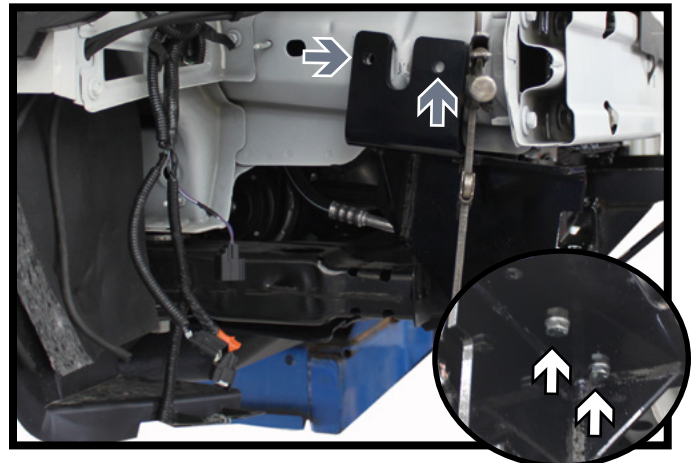
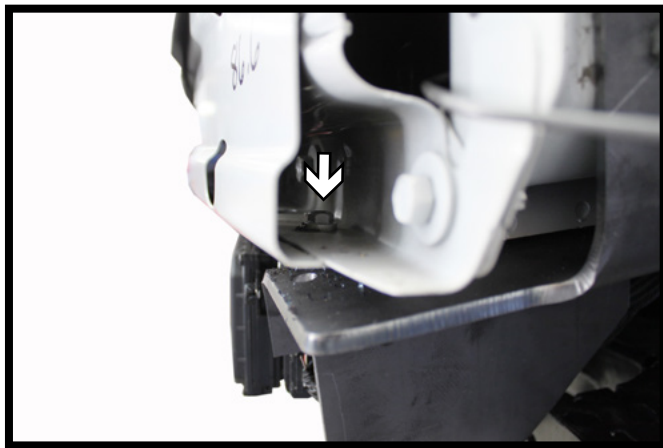
8. Trim the plastic shrouding off just below the bumper as shown for baseplate clearance. Do this on both sides of the vehicle.

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9. **Adaptive Cruise Control Models:** On the driver side, install the support bracket onto the bumper and ACC sensor bracket as shown. Mark and drill the holes with a 1/4" drill bit. Attach the bracket with 1/4"-20 x 3/4" bolts and 1/4"-20 lock nuts. Once the bracket is installed, use a reciprocating saw to remove the outer edge of the ACC bracket (inset).

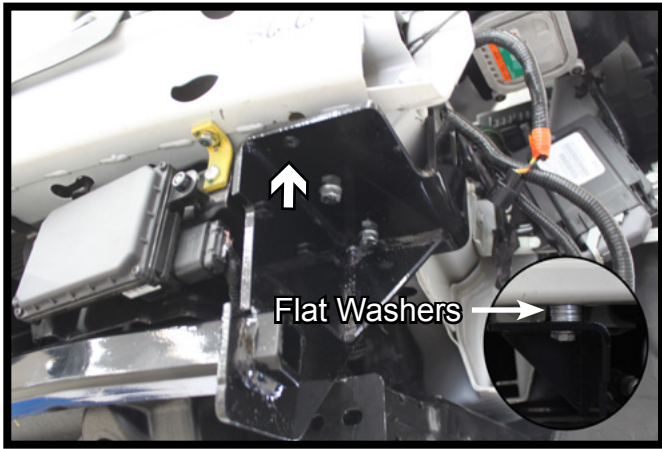
On the inner side of the ACC bracket, a notch will need to be made for baseplate clearance. Position the baseplate onto the frame as close to its installed position and mark the bracket for trimming. If trimming the bracket on the vehicle be aware of the radiator behind.



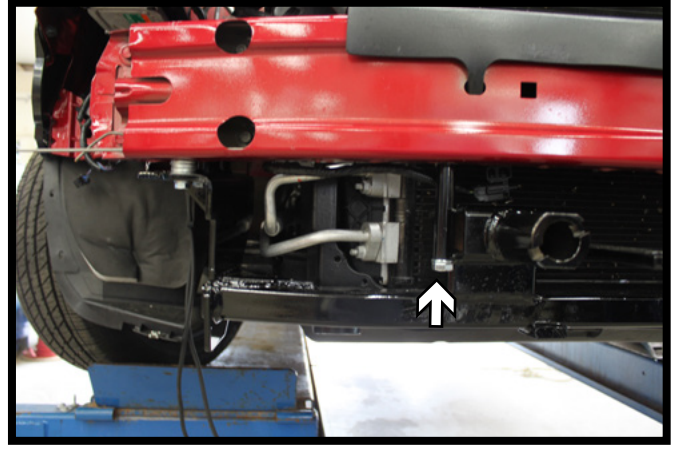
10. On the driver side bumper, using a chisel or flat screwdriver, remove the nut welded on the inside of the bumper for bolt clearance on step #13.

11. Slide the baseplate onto the frame, level and clamp in position. Using a 13/32" drill bit, drill the bottom four (4) holes on the baseplate thru the frame (white). There are two (2) on each side. Install 3/8" x 2-1/2" bolts with lock washers into the holes and 3/8" nut plates in the frame. Fully tighten all four (4) fasteners. Continue drilling the sideplate holes on both sides (gray). Install 3/8" x 1-1/4" bolts with lock washers into these holes with 3/8" nut plates in the frame and fully tighten the fasteners.

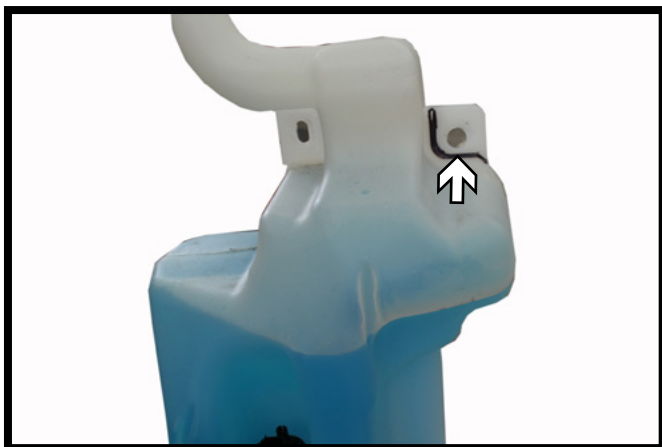
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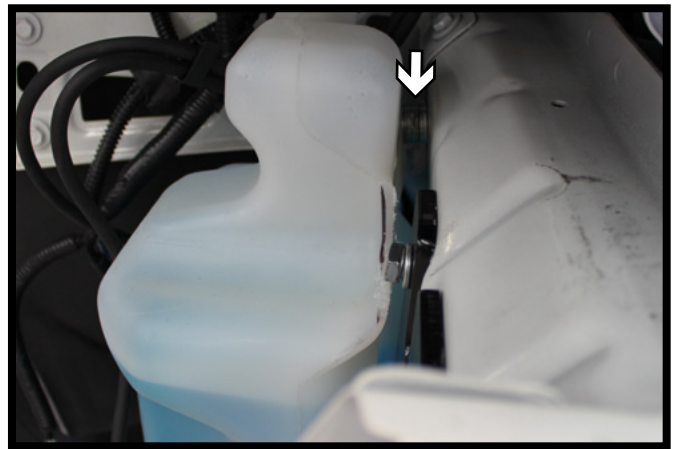
12. Using a 13/32" drill bit, drill the bottom front hole on both sides of the vehicle. Install 3/8" x 2" bolts with lock washers into the holes using flat washers in between the baseplate and frame as spacers (approximately six per side) and 3/8" nut plates in the bumper.



13. Using a 17/32" drill bit, drill a hole thru the bumper using the tube as a guide. Install a 1/2" x 5" bolt with flat and lock washer into the hole and a 1/2" nut plate in the bumper. Depending on the fit, 1/2" flat washers may need to be used in between the bumper and tube. Do this on both sides of the vehicle.



14. Prior to reinstalling the washer reservoir, trim the front mounting tab off as shown.

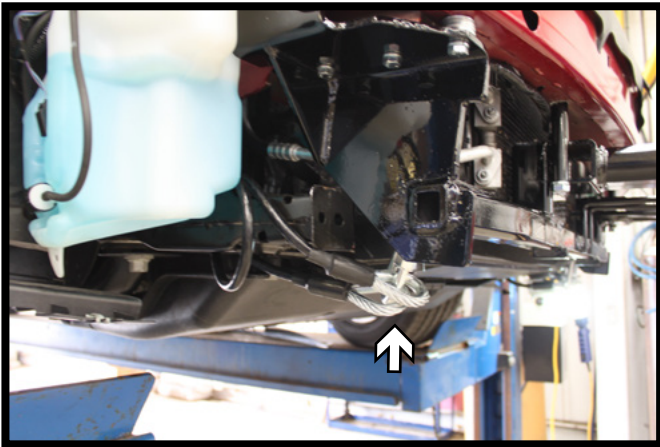


15. Reinstall the washer reservoir to the vehicle, using seven (7) 1/4" flat washers as a spacer on the top back hole to keep the reservoir from rubbing on the baseplate.



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16. 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.

17. Reinstall the horn bracket, which may need slight bending to clear baseplate.

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 (Refer to Step #9 picture). Obstructions will cause false readings from the sensor. Reinstall the fascia.

## CUSTOMER SERVICE COMMITMENT

Blue Ox® is committed to providing you with exceptional customer care throughout your lifetime with our products. Our team is here to assist you with any questions you may have regarding the performance of your product. Simply call (402) 385-3051 and you can speak with our customer care team.

Additionally, please visit our website to see which rallies our Destination America team will be attending. For a nominal fee, our service technician will service your towing system to ensure it's in proper working condition. Also, as a commitment to our customers, should you visit our factory, you can stay at our full service Blue Ox® campground at no charge along with enjoying a factory tour.

Again, thank you for being our customer and for the confidence you have shown in the performance of our products. It is because of customers like you we enjoy the success we have today.

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