



BX1689

2010-14 Chevy Equinox (All Trims) 2010-14 GMC Terrain/Terrain Denali (All Trims) Installation Instructions

Please read BOTH these Installation Instructions and the General Instructions 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 “fit work”. If needed, Blue Ox® Dealers can be found at www.blueox.com or by contacting our Customer Care Department at (402) 385-3051.
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.



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

Serial Number

Attachment Tab Height: 15-1/2”

Attachment Tab Width: 24”

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



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.

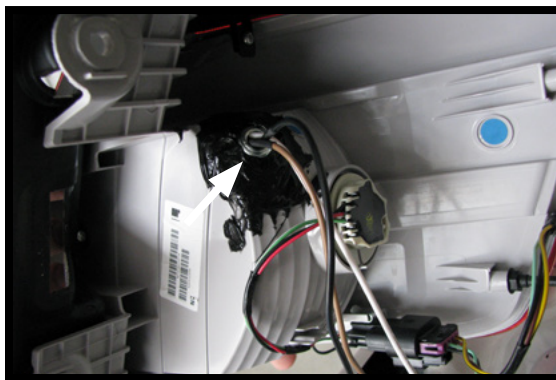
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Instruction Notes: The fascia and baffle are removed and reinstalled for the baseplate installation. Some drilling and trimming is required.

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 BX8869 Tail Light Wiring Kit is recommended for this vehicle.



Drill a hole according to the tail
light wiring kit instructions.

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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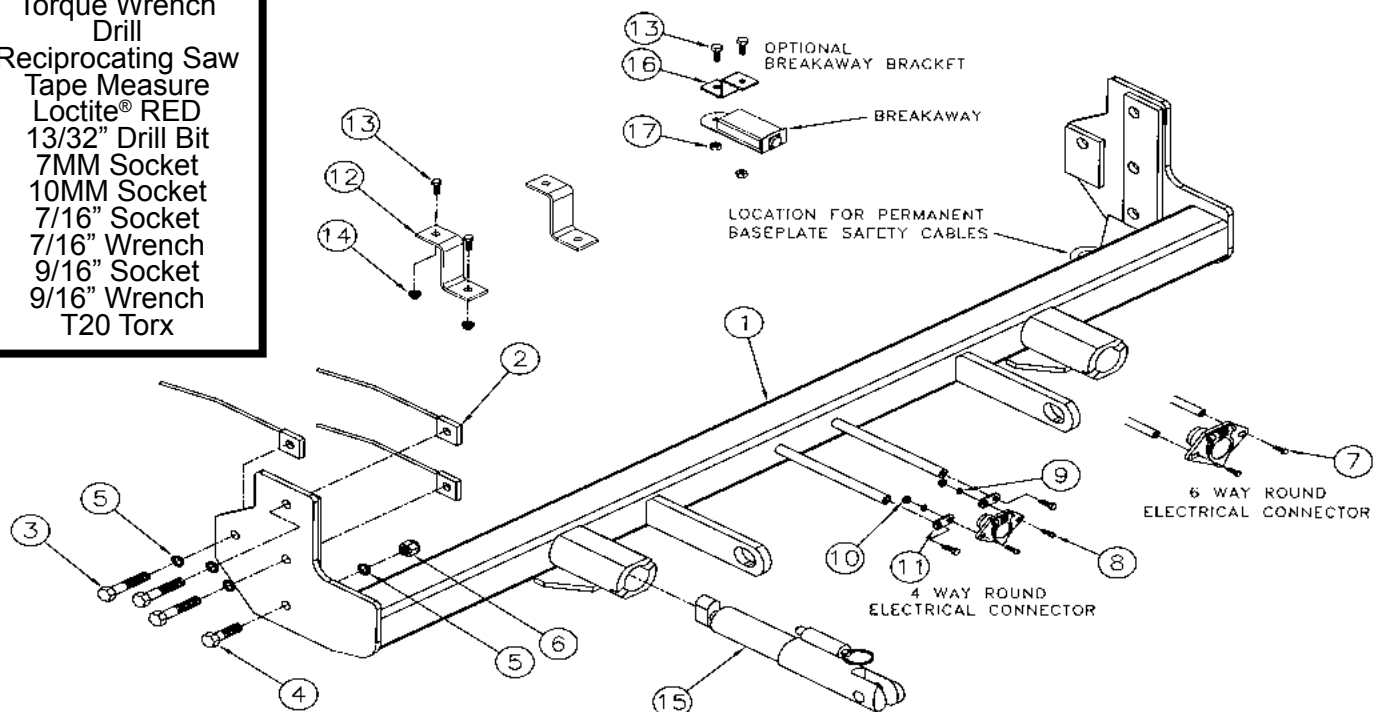
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Tools Required

Large Vise Grip
Utility Knife
Phillips Screwdriver
Torque Wrench
Drill
Reciprocating Saw
Tape Measure
Loctite® RED
13/32" Drill Bit
7MM Socket
10MM Socket
7/16" Socket
7/16" Wrench
9/16" Socket
9/16" Wrench
T20 Torx

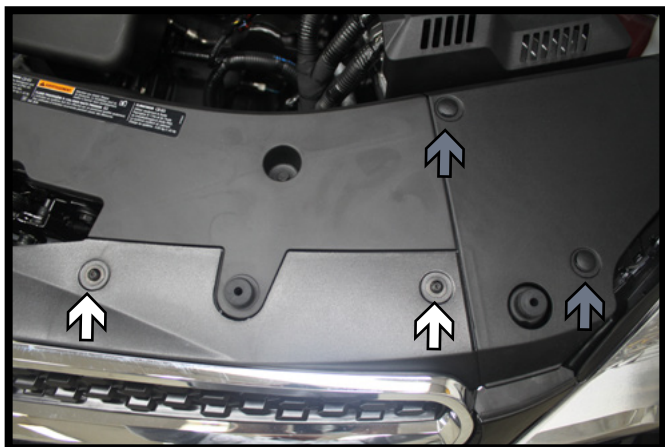


Item No.	Part No.	Description	Qty.
1.....	61-6693	BX1689 Baseplate.....	1
2.....	61-5208	3/8"-16 Nut Plate w/ 14" Wire	6
3.....	201-0444	3/8"-16 x 2" Hex Head Bolt, Grade 5, ZP	6
4.....	201-0440	3/8"-16 x 1-1/2" Hex Head Bolt, Grade 5, ZP	2
5.....	203-0010	3/8" Lock Washer, ZP	8
6.....	202-0090	3/8"-16 Hex Nylon Insert Lock Nut, ZP.....	2
7.....	201-0553	1/4-20 x 1/2" Hex Wshd Bolt Type F TCS, ZP	2
8.....	201-0192	#10-32 1/2" Round Slotted Head Screw.....	2
9.....	203-0054	#10 Lock Washer, ZP	2
10.....	202-0047	#10-32 Hex Nut	2
11.....	101-5822	4 Way Connector Adapter	2
12.....	102-7056	Cooler Bracket.....	2
13.....	201-0050	1/4"-20 x 3/4" Hex Head Bolt, Grade 5, ZP	6
14.....	202-0069	1/4"-20 Hex Whiz Lock Nut, ZP	4
15.....	62-3469	Attachment Tab Assembly with Hole	2
16.....	102-7134	Breakaway Bracket	1
17.....	202-0102	1/4"-20 Hex Nylon Nut, ZP	2
18.....	203-0003(not shown)	3/8" Flat Washers, ZP.....	6
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

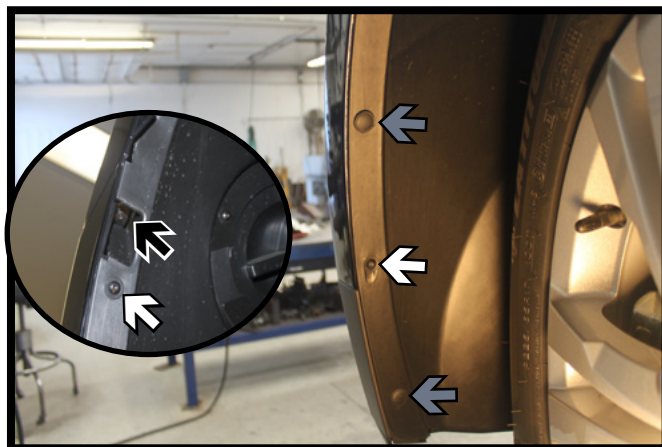
Important:

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.

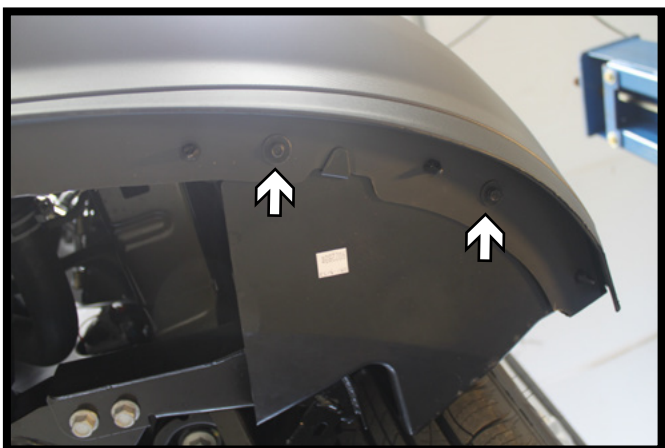
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1. Using a T20 Torx, remove the two (2) screws from the top edge of the fascia (white). Then remove the two (2) push pins (gray). Do this on both sides of the vehicle.



2. **All Models:** Using a T20 Torx, remove the two (2) screws from edge of the wheel well (white). Then remove the two (2) push pins (gray).
2014 Equinox: Using a 7MM socket, remove the additional screw along the wheel well (black).
Do this on both sides of the vehicle.

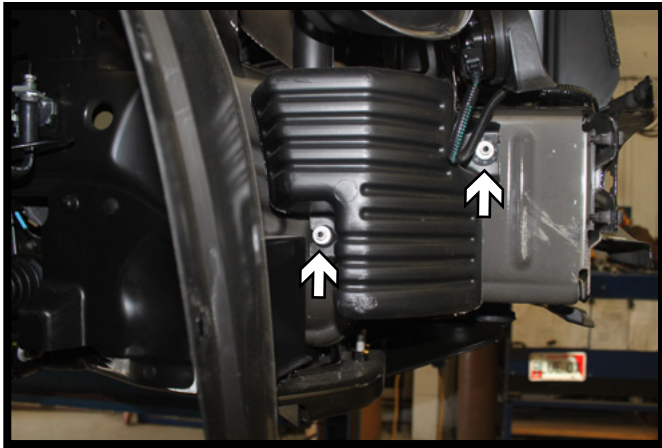


3. Using a 7MM socket, remove the four (4) screws from the underside of the fascia. There are two (2) on each side.

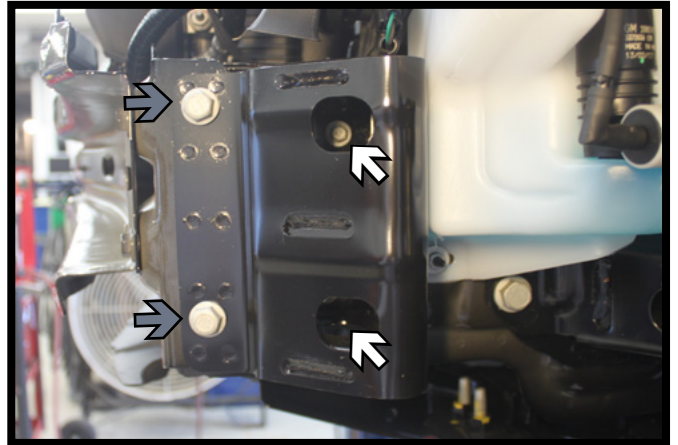


4. Pry the corners of the fascia away from the vehicle. Disconnect all electrical connections and pull the fascia from the vehicle.

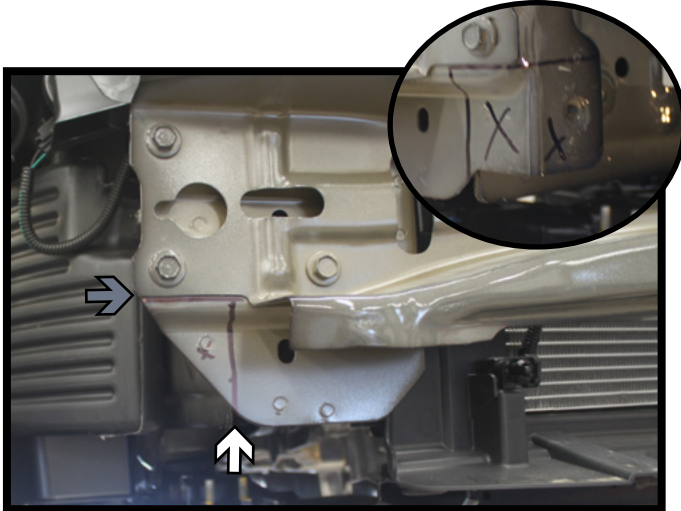
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5. Using a 10MM socket, remove the two (2) nuts from the baffle on the passenger side.

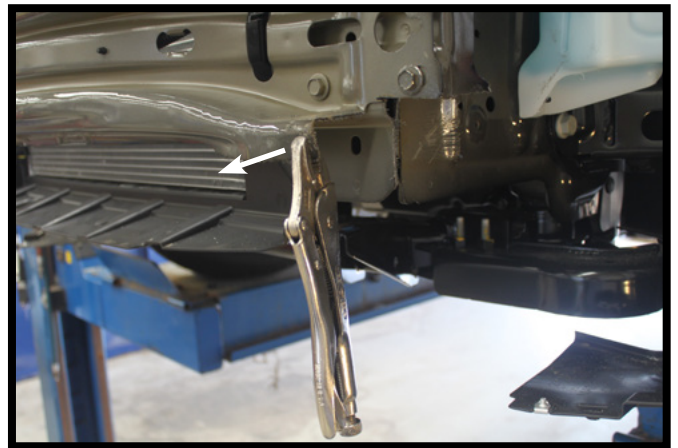


6. **2014 Models Only:** On the driver side, using a 10MM socket, remove the two (2) interior bolts (white) from the reinforcement. Using a 15MM socket, remove the two (2) outer bolts (gray). The reinforcement will not be reinstalled.



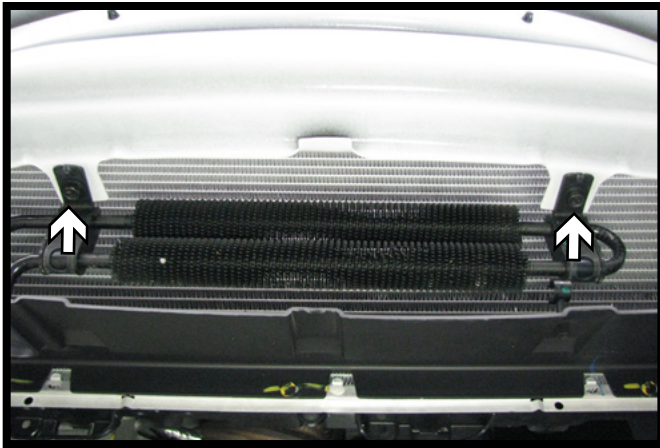
7. Using a reciprocating saw, trim the face of the frame flush with the outside of the frame rail (white) and up to the bumper seam (gray). Do this on both sides of the vehicle.

2014 Equinox: On the driver side only, the frame face will be squared off, but trimming remains the same.

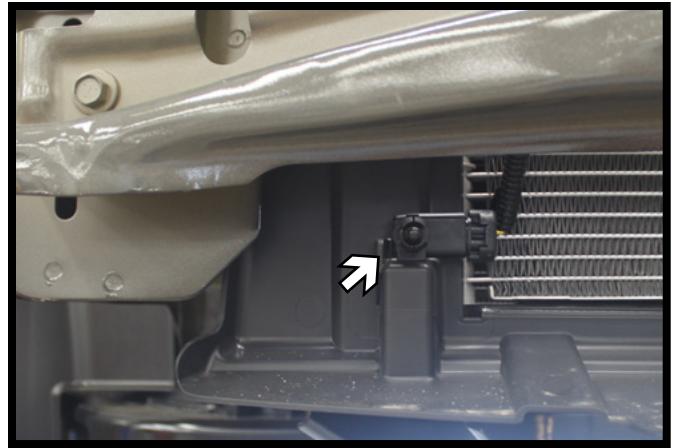


8. Bend the outer flanges of the bumper out approximately 90° to the bottom of the bumper. Do this on both sides of the vehicle.

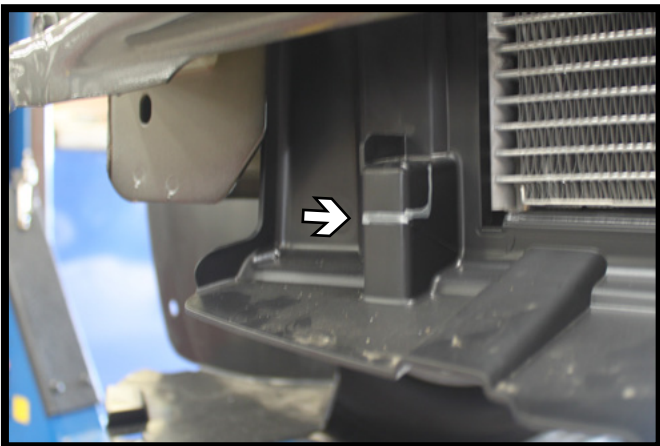
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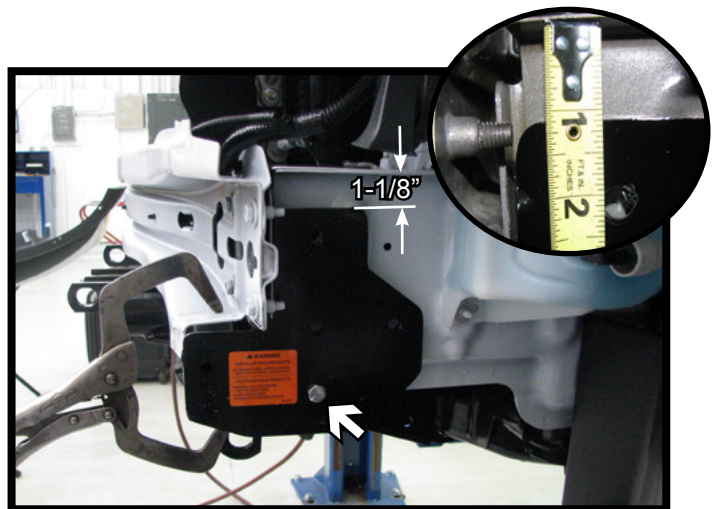
9. If equipped, remove the two (2) bolts from the cooler and move it down to allow the baseplate to be installed.



10. Unsnap the temperature sensor and move it aside for baseplate installation.

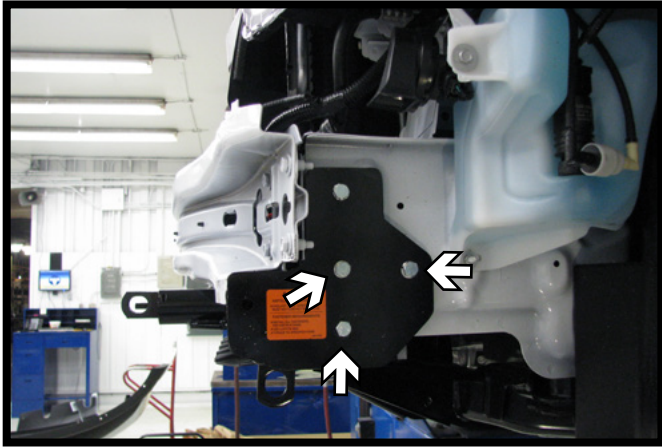


11. Trim the temperature sensor housing as shown. Approximately $\frac{5}{8}$ " high x $\frac{1}{2}$ " deep.

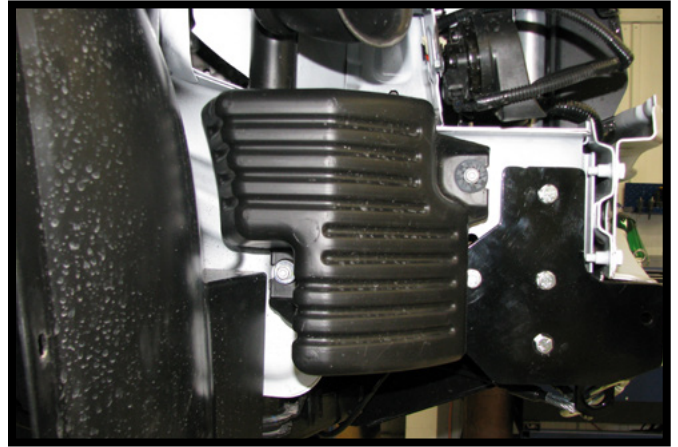


12. Slide the baseplate onto the frame until it is $1\frac{1}{8}$ " from the baseplate to the top of the frame (inset). Level and clamp the baseplate securely. Using a $\frac{13}{32}$ " drill bit, drill a hole in the baseplate thru the frame. Install a $\frac{3}{8}$ "-16 x $1\frac{1}{2}$ " bolt into the hole and install a $\frac{3}{8}$ " lock washer and lock nut on the inside of the frame. Do this on both sides of the vehicle. Recheck the baseplate is level and fully tighten all hardware.

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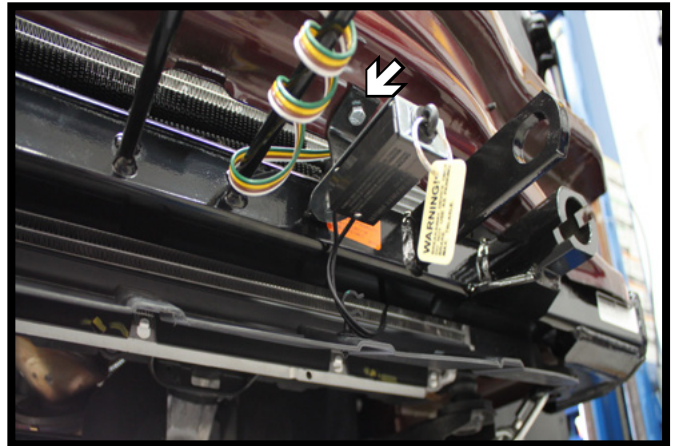
13. Using a 13/32" drill bit, drill the remaining holes thru the frame. Install 3/8"-16 x 2" bolts with 3/8" lock washers into the holes and install 3/8" nut plates inside of the frame. Do this on both sides of the vehicle. Fully tighten all hardware.



14. Reinstall the air baffle. Putting three (3) washers behind the air baffle on each stud to space the air baffle out from the frame.

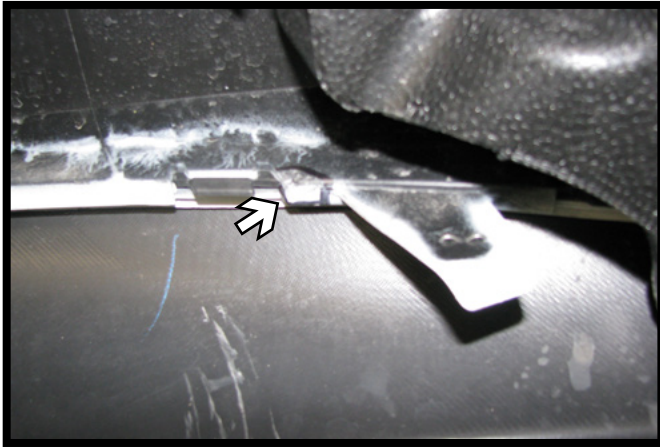


15. Attach the permanent baseplate safety cables to the provided convenience link on the baseplate. The photo above shows the recommended installation of the cables to frame of vehicle. Additional options may interfere with suggested mounting; in this case, secure the cables to a solid piece of the frame 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.

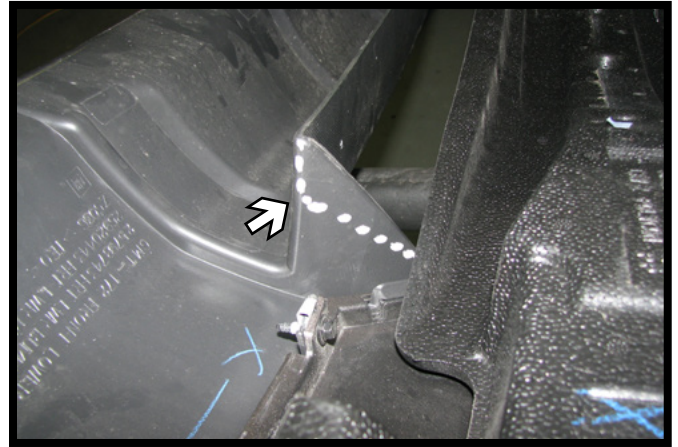


16. **Optional:** Using a 9/32" drill bit, drill a hole into the bottom side of the bumper centered between the electrical rod and the convenience link. Attach the bracket with 1/4"-20 x 3/4" bolt and 1/4"-20 nut (white). Fasten the breakaway to the bracket with a 1/4"-20 x 3/4" bolt and 1/4"-20 nut.

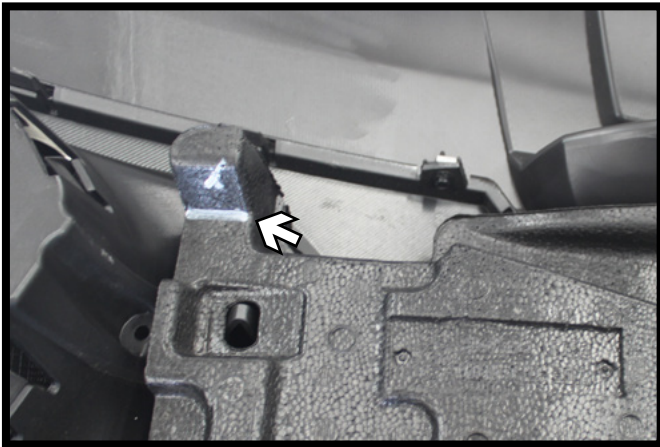
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17. **GMC Terrain:** Trim off the corner next to the flap to allow for baseplate clearance. Do this on both sides of the fascia.



17. **2010-13 Equinox:** Trim the ends of the opening approximately 1" down on the bottom then tapered back to top.



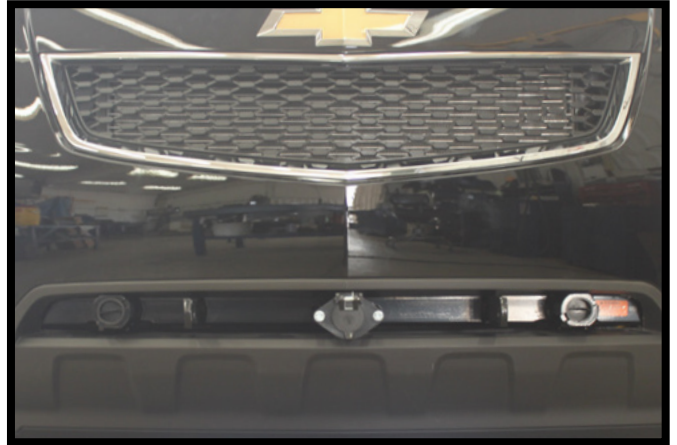
17. **2014 Equinox:** Trim off the end of the styrofoam support above the opening (left). On the end of the opening, trim along the seam as shown (right-black). Then as needed trim off the material between the tabs as needed to clear the baseplate (right-white).



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18. If equipped, reinstall the cooler to the existing tabs with the supplied brackets and 1/4" hardware in between the baseplate and radiator.



19. 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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One Mill Road, Industrial Park
Pender, Nebraska 68047
Phone: (402) 385-3051
Fax: (402) 385-3360
www.blueox.com