



BX1987

2008-13 Smart Car (with fog lights)

Installation Instructions

Serial Number

Please read **BOTH** these Installation Instructions and the General Instructions before attempting to install or operate this equipment.

- 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 necessary and knowledge to do "fit work". When necessary Blue Ox® Dealers can be found at 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 hardware supplied in the hardware kit and existing hardware specified in the Baseplate Installation Instructions.

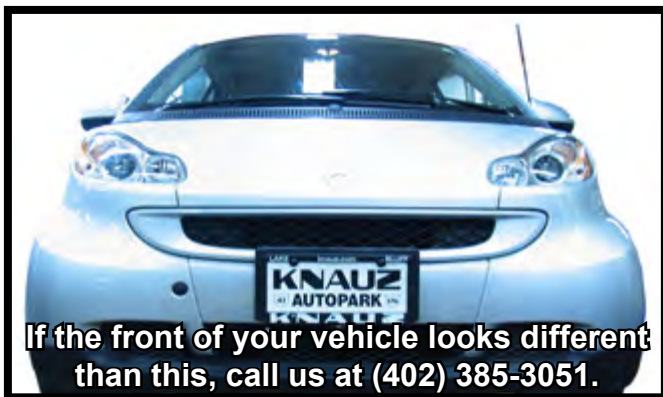
Attachment Tab Height: 13-1/2"

Attachment Tab Width: 17"

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

Confirm the towability and pre-towing procedures for your vehicle with the owner's manual or contact the vehicle's manufacturer for specific towing procedures.

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



WARNING

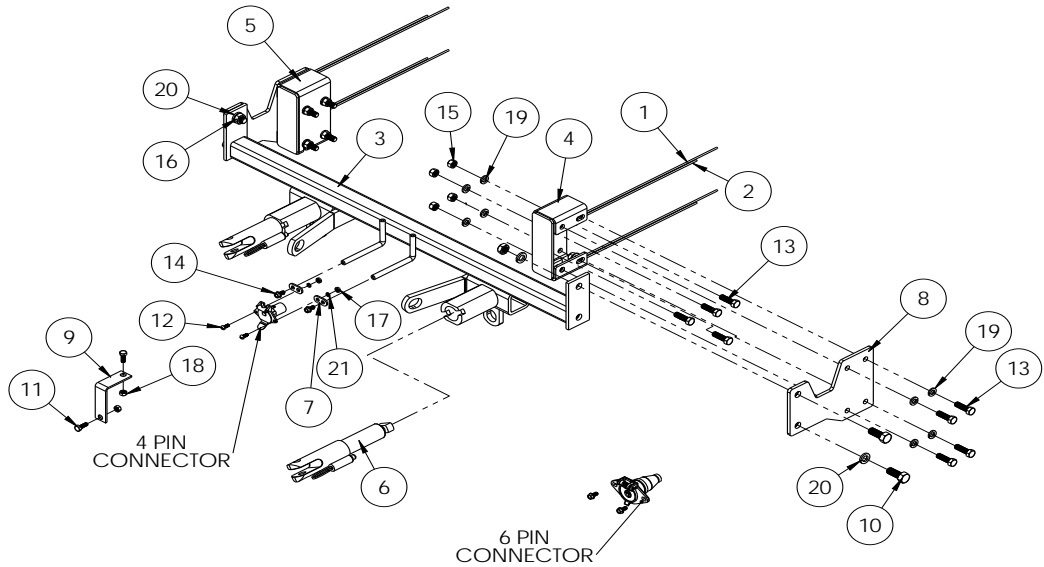
Failure to read and follow these instructions could result in separation of the towed vehicle from the tow bar, causing property damage, loss of towed vehicle, personal injury or death.



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Tools Required

- 10MM Socket
- 15MM Socket
- 9/16" Socket
- 3/8" 12 Point Socket
- 5/16" 12 Point Socket
- 9/16" Wrench
- T25 Torx
- T30 Torx
- 13/32" Drill Bit
- Large Vise Grip
- Utility Knife
- Torque Wrench
- Tape Measure
- Drill
- Flat Screwdriver
- Phillips Screwdriver
- Loctite® Red



Item No.	Part No.	Description	Qty.
1.....	61-4978.....	3/8"-16 Whiz Nut Weldment with 14" Wire.....	4
2.....	61-5208.....	3/8"-16 Nut Weldment with 14" Wire.....	8
3.....	61-6507.....	BX1987 Baseplate.....	1
4.....	61-6508.....	Driver Side Support Bracket.....	1
5.....	61-6509.....	Passenger Side Support Bracket.....	1
6.....	62-3469.....	Attachment Tab.....	2
7.....	101-5822.....	4 Way Connector Adapter.....	2
8.....	101-7196.....	BX1987 Endplate.....	2
9.....	102-7287.....	Breakaway Bracket.....	1
10.....	201-0011.....	1/2"-13 x 1-1/4" Hex Head Bolt, Grade 5, ZP.....	4
11.....	201-0050.....	1/4"-20 x 3/4" Hex Head Bolt, Grade 5, ZP.....	2
12.....	201-0192.....	#10-32 x 1/2" Slotted Round Head Screw.....	2
13.....	201-0368.....	3/8"-16 x 1-1/4" Head Head Bolt, Grade 5, ZP.....	16
14.....	201-0553.....	1/4"-20 x 1/2" Hex Wshd. Type F TCS Screw.....	2
15.....	202-0003.....	3/8"-16 Hex Nut, ZP.....	4
16.....	202-0005.....	1/2"-13 Hex Nut, ZP.....	2
17.....	202-0047.....	#10-32 Hex Nut.....	2
18.....	202-0102.....	1/4"-20 Hex Nylon Nut, ZP.....	2
19.....	203-0010.....	3/8" Lock Washer, ZP.....	16
20.....	203-0012.....	1/2" Lock Washer, ZP.....	4
21.....	203-0054.....	#10 Lock Washer.....	2
22 (not shown).....	201-0461.....	6MM-1.0 x 16MM Hex Cap Bolt, Grade 8.8, ZP.....	2
23 (not shown).....	226-0046.....	36" Class III Baseplate Safety Cable.....	2
24 (not shown).....	229-0359.....	3/8" Quicklink, ZP.....	2
25 (not shown).....	290-0437.....	Black Cap Plug Receiver.....	2
26 (not provided).....	293-1336.....	Breakaway Switch.....	1
27 (not provided).....	294-0805.....	4 Pin Connector.....	1
28 (not provided).....	294-0902.....	6 Pin Connector.....	1



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Removable Tab

Use only with motorhome mount tow bars or the BX8833 or BX88151 adapters. Removable tabs with only one hole will not attach to car mount tow bars or other adapters. The Acclaim may only be used with removable tab baseplates that have 23" or greater spaced tabs. The Adventurer may only be used with baseplates that have 16" – 36" spaced removable tabs. The Ambassador may only be used with 24" spaced removable tabs.

Instructions

The hood, antenna, fascia, tires, bumper, bolts and push pins are removed and reinstalled for the baseplate installation. Drilling is required. Trimming is required.

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 auto manufacturer's tolerances. These minor adjustments may include filing a hole slightly, bending electrical rods or bending end plates.

The BX8848, 4 Diode wiring kit is recommended for this vehicle.

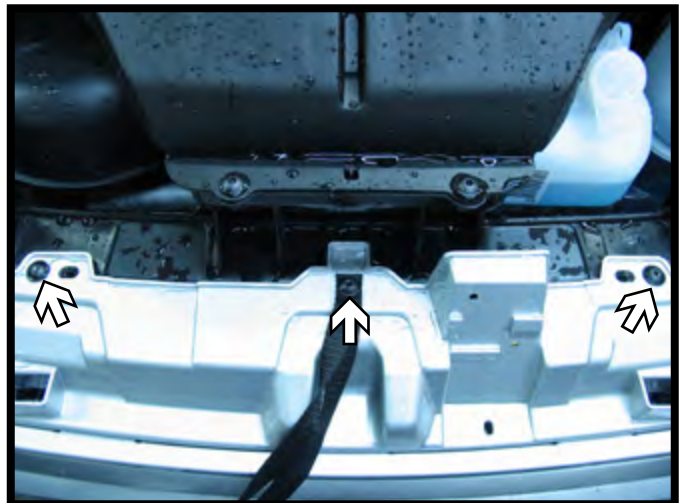
Handling of some cosmetic parts when installing this product may require the use of protective covers, rags, specialty tools, etc. to prevent damage.

Due to the narrow wheel base of the Smart Car there is a problem with the steering coming back to a straight position after making a turn. Bungee cords can be used to straighten the wheel back out. Place two bungee cords crossing from one side of the steering wheel to the other side of the driver seat, this gives resistance in each direction to bring the steering wheel back to center after making a turn.

Installation Instructions



1. Pull the lever in the front to the outside. Do this on both sides of the vehicle. Lift the hood off and set aside to be reinstalled later.



2. Remove the three (3) bolts from the upper edge of the fascia with a 25 Torx. Set aside to be reinstalled later.

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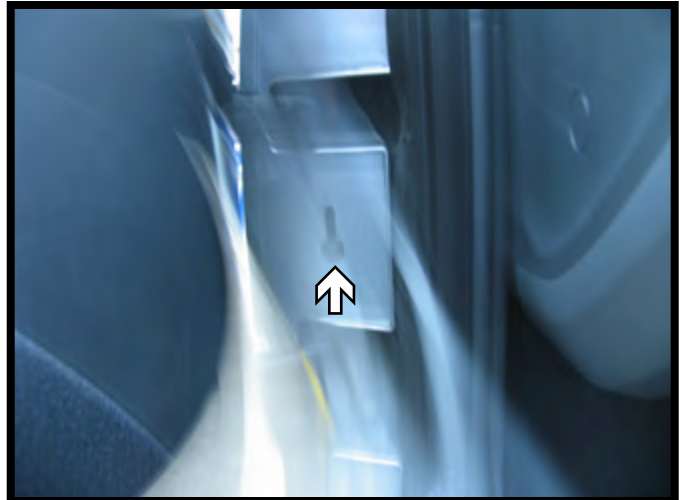
3. Remove the push pin below the head light. Do this on both sides. Set the push pins aside to be reinstalled later.



4. Using the 25 Torx, remove the bolt above the headlight. Do this to both sides of the vehicle. Set bolts aside to be reinstalled later.



5. Open the door, inside next to the antenna, remove the bolt with the 30 Torx. Do this on both sides. Set the bolt aside to be reinstalled later.



6. Lower on the inside of the door, remove the push pin. Do this on both sides. Set the push pin aside to be reinstalled later.

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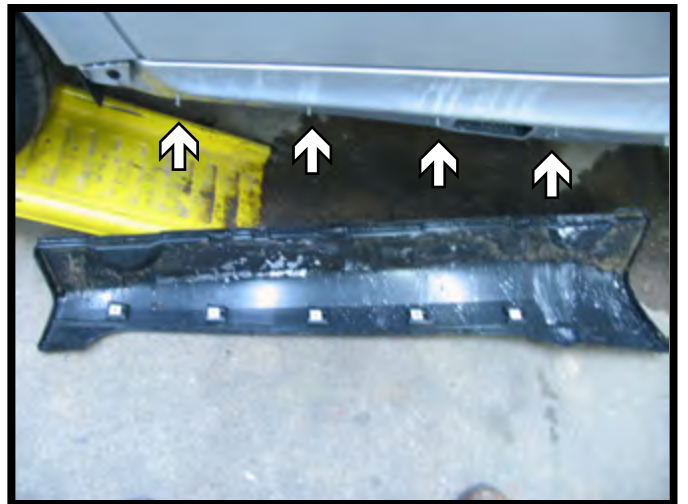
7. Unscrew the antenna in order to be able to remove the fascia. Also, remove the outer cover by gently pulling on it.



8. Using the 25 Torx, remove the foremost bolt next to the antenna (white arrow). Remove the rear most bolt using a 30 Torx (grey arrow). Set aside to be reinstalled later.



9. In front of the back tire, remove two (2) push pins. Do this on both sides. Set the push pins aside to be reinstalled later.



10. Using a flat screwdriver, pry the black covering piece off of each of the five (5) tabs below the door panel. Do this on both sides. Set the covering aside to be reinstalled later.

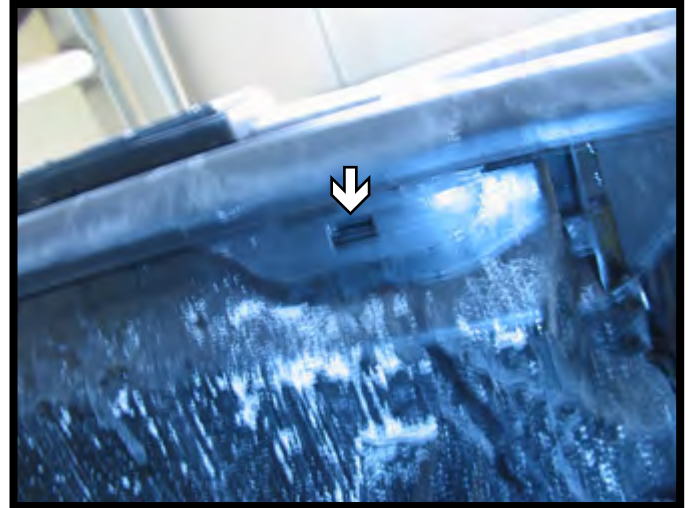
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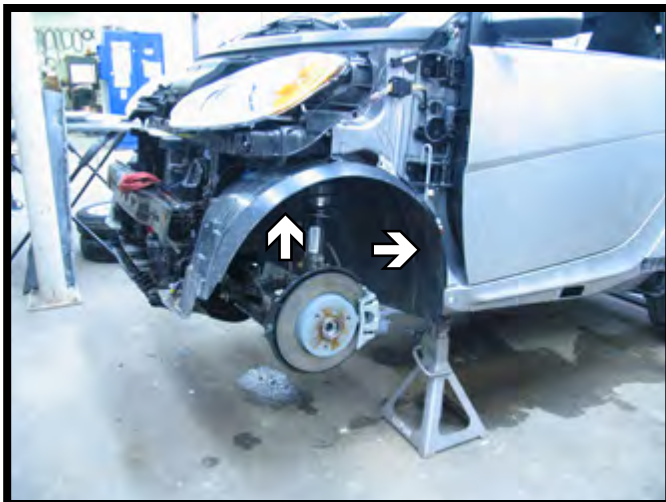
Installation Instructions



11. Using the 25 Torx, remove the bolt holding the fascia just behind the front tire. Do this on both sides. Set bolt aside to be reinstalled later.



12. Underneath in the front, pop the fascia out of the two (2) clips. Pull fascia corner out to the side of vehicle, both sides, then pull fascia forward and set aside carefully to be reinstalled later.



13. Put the vehicle up on jack stands, use a 15MM socket to remove the tire lug nuts. Take the tire off. Do this on both sides. Set tires and nuts aside to be reinstalled later.



14. Using a 10MM socket, remove the bolt on the wheel well at the front. Remove the push pin above, (grey arrow). Do this on both sides. Set the bolt aside to be reinstalled later.



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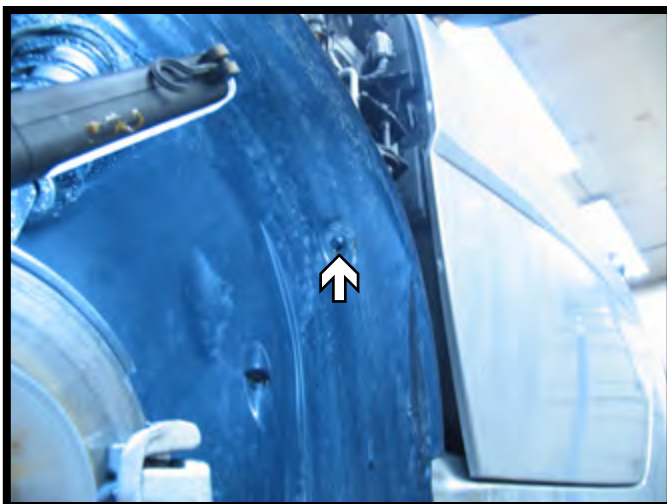
15. Remove push pin from the top of the wheel well. Do this on both sides. Set aside to be reinstalled later.

NOTE: This step is not necessary on 2012 models.



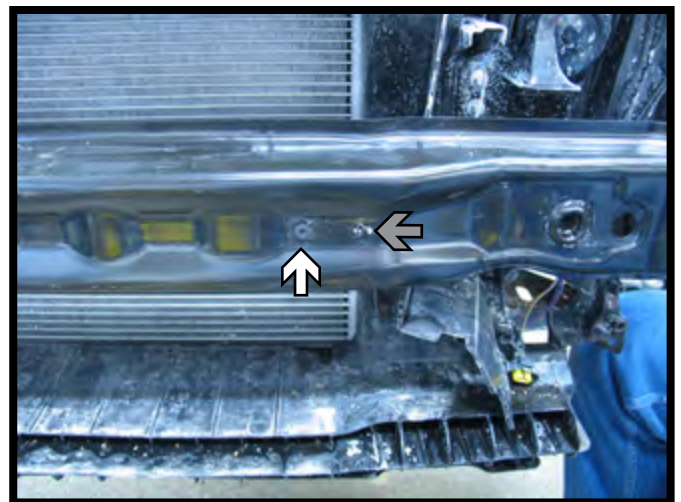
16. Using the 10MM socket, remove the bolt on the bottom. Do this on both sides. Set aside to be reinstalled later.

NOTE: This step is not necessary on 2012 models.



17. Remove the push pin on the right side. Do this on both sides. Fasten the wheel well covers out of the way and set the push pins aside to be reinstalled later.

NOTE: This step is not necessary on 2012 models.



18. Using the 25 Torx, remove the bolt from the air temperature sensor on the back side of the metal bumper. Also, remove the push pin beside it (grey arrow). Do this on both sides. Set the bolt and push pin to be reinstalled later.

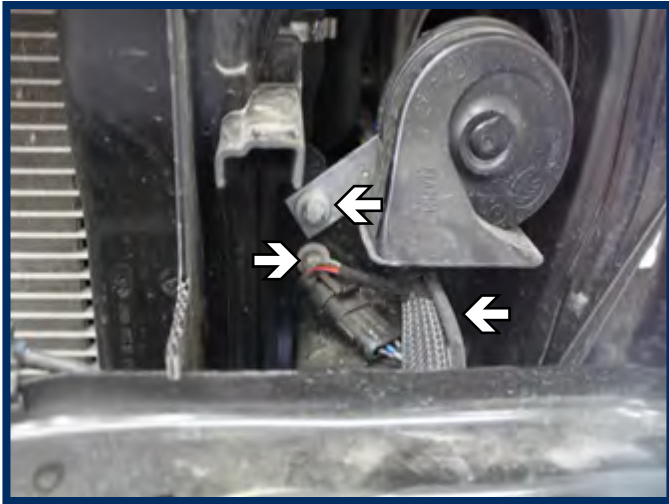
NOTE: This step is not necessary on 2012 models.



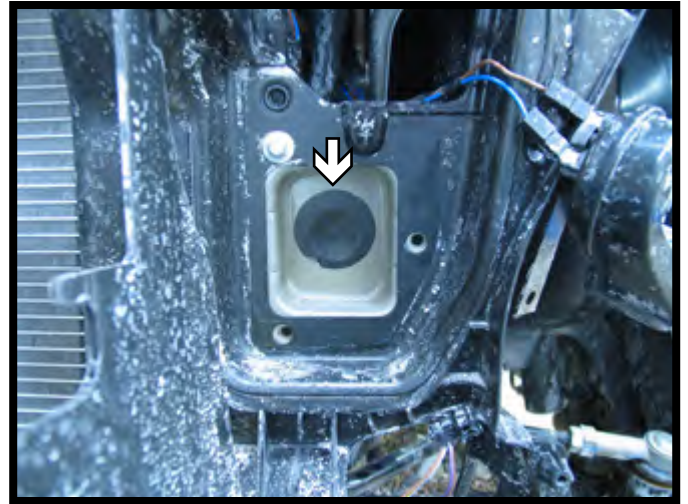
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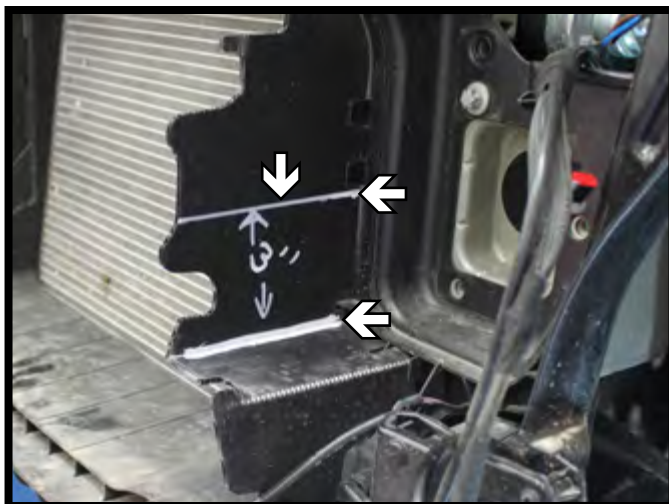
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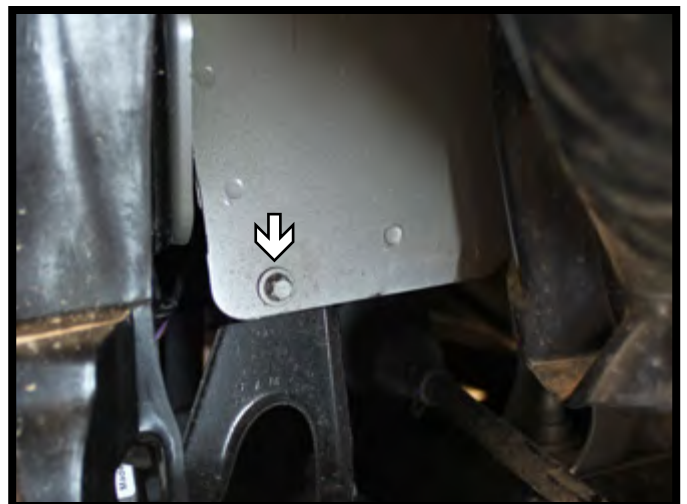
19. Using the 3/8" 12 point socket, remove the four (4) bolts holding the bumper. Do this on both sides. Set bolts and bumper aside to be reinstalled later.



20. Peel off the tape covering the hole.



21. Using the utility knife, cut a piece 3" wide from the middle of the corrugated cardboard. This will allow the baseplate to slide on.



22. Using a 5/16" 12 point socket remove the bolt on both sides. Replace with the 6MM-1.0 x 16MM bolts that are included in the baseplate bolt bag. Be sure the sides of the bolt head are vertical so the bracket will slide on easily.

NOTE: This step is only required on 2012 models

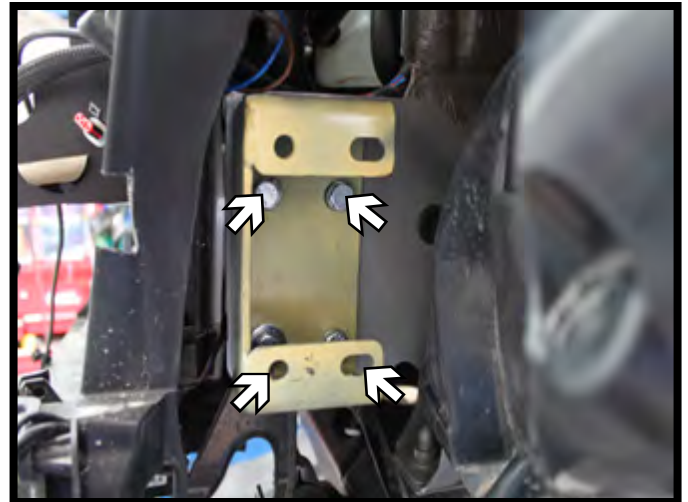
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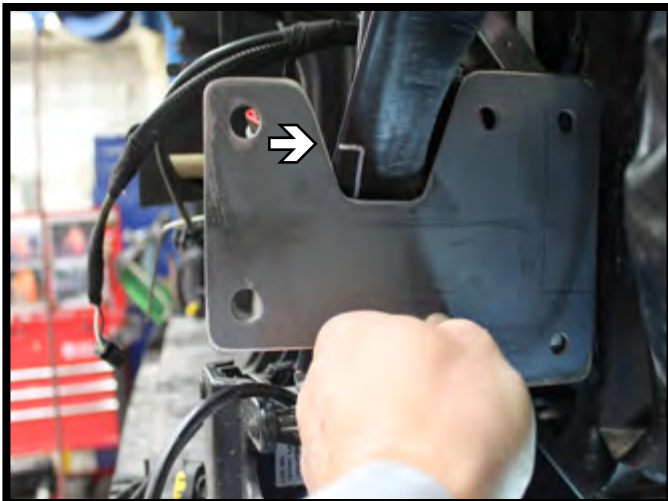
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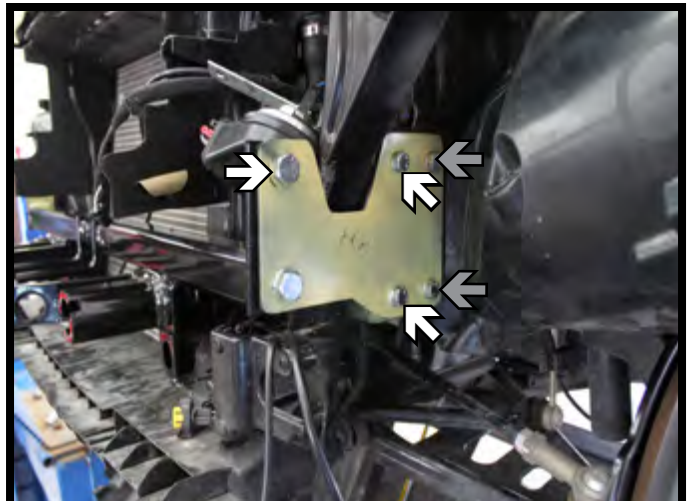
23. Align the support bracket, 1/4" from the bumper and flush with the bottom, clamp with the large vise grips. The spacer is not provided. Do this on both sides.



24. Using the support bracket holes as a template, drill four (4) holes thru the frame with a 13/32" drill bit. Use 3/8"-16 x 1-1/4" hex bolts with 3/8" lock washers and 3/8"-16 hex nuts in the lower holes. Use 3/8"-16 x 1-1/4" hex bolts with 3/8" lock washers and 61-5208 nut plate inside the frame end. Tighten with Loctite® Red. Do this to both sides of the vehicle.



25. Line up the bolt holes of the support bracket and side plate by hand and mark a notch. This notch needs to provide enough clearance to allow the side plate to be installed.

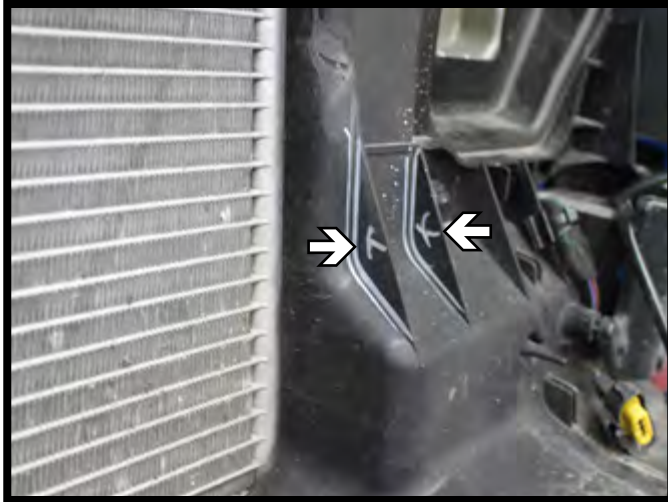


26. Loosely attach the support bracket to the end plate. Use 3/8"-16 x 1-1/4" bolts with 3/8" lock washers (grey arrows). On the back holes, use 61-5208 nut plates. On the front holes, use 3/8"-16 x 1-1/4" hex bolts with 3/8" lock washers and 3/8" whiz nuts. Do this to both sides.

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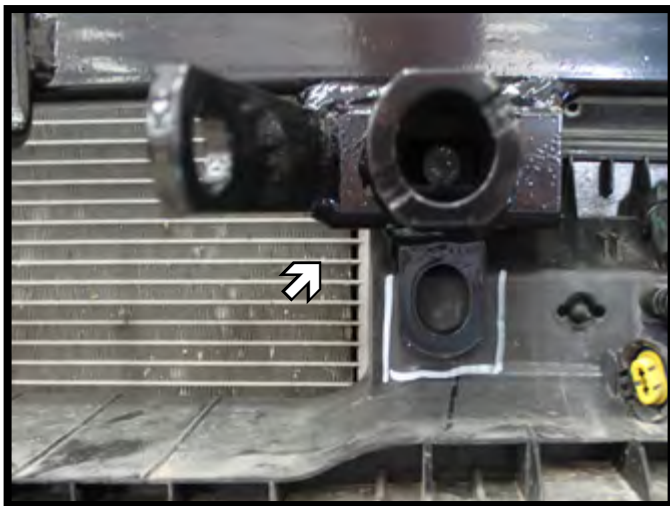
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27. On the driver side of the vehicle, use a utility knife to remove the two (2) gussets.



28. On the passenger side, trim off the tab using the outer edge as a guide.



29. Trimming of the air dam is required for the placement of the permanent baseplate safety cables. Loosely attach the baseplate at the upper front bolt location. Mark the area on the air dam just behind the convenience link (25A white arrow). Remove the baseplate and cut a hole in the air dam to allow the connection of cables/quicklinks to baseplate (25B). **Be aware of radiator condenser and other related items behind the plastic.**

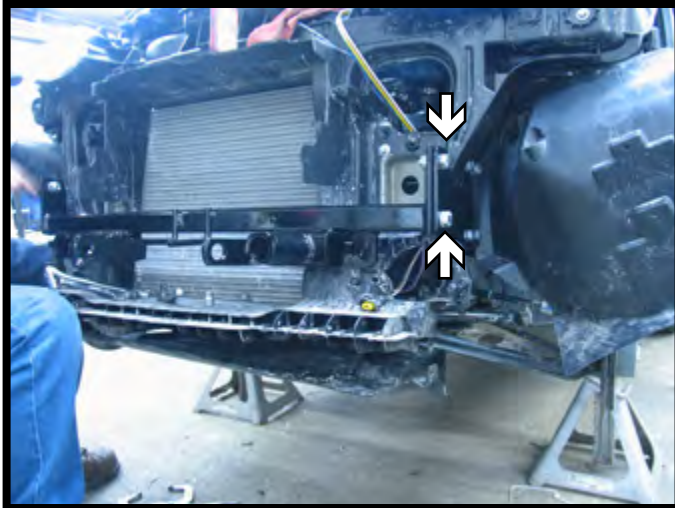




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30. Fasten the baseplate to the bracket, using 1/2"-13 x 1-1/4" hex bolts with 1/2" lock washers and on the top attach to 1/2" hex nuts. Use Loctite® Red on all bolts and tighten all bolts, including those from step 26. Do this on both sides.



31. Attach the permanent baseplate safety cables to the provided convenience link on the baseplate (white arrow). The photo above shows the recommended installation of the cables to frame of vehicle (grey arrow). 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 to both sides of the vehicle.

32. Reinstall the bumper, wheel well covers, tires, fascia, antenna, hood, plastic cover below the doors, bolts and push pins.



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33. If the vehicle is equipped with a front license plate, move the bolts holding the bracket to a higher position after the installation of the baseplate.





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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 1-(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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