



# BX2329 BLUE OX® 2010-12 Hyundai Tuscon Installation Instructions

Serial Number

Please read BOTH these Installation Instructions and the General Instructions before attempting to install or operate 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 necessary equipment and knowledge to do “fit work”. When necessary 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.

Attachment Tab Height: 16 1/2”

Attachment Tab Width: 24”

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 hardware supplied in the hardware kit and existing hardware specified in the Baseplate Installation Instructions.

**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



**If the front of your vehicle looks different than this, call 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.

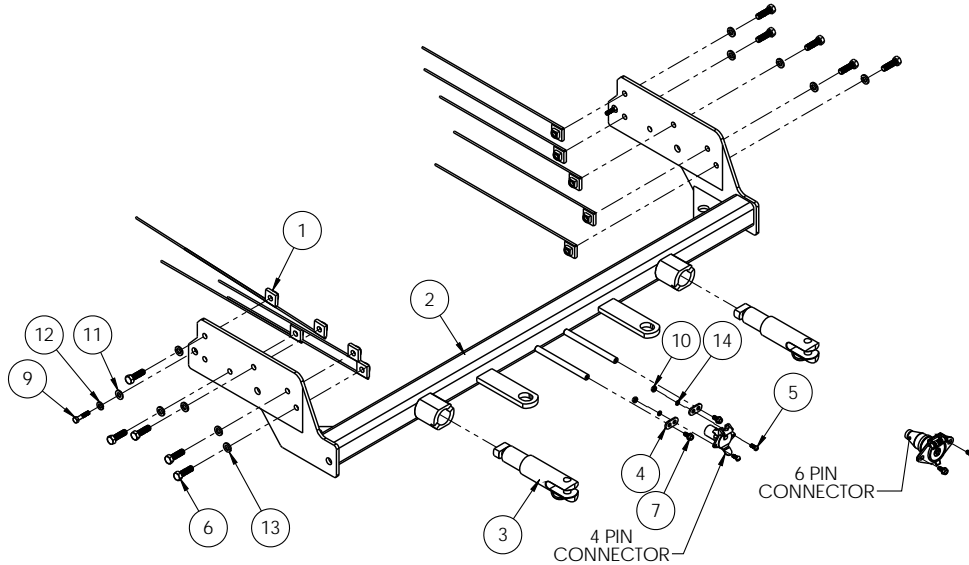


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### Tools Required

8MM Socket	Drill	10MM Socket	Flat Screw Driver
12MM Socket	Phillips Screw Driver	13/32" Drill Bit	Torque Wrench
5/16" Nut Driver	Tape Measure	Large Vise Grip	1 1/4" Hole Saw
Reciprocating Saw	13/32" Drill Bit	Loctite Red	



Item No.	Part No.	Description	Qty.
1.....	61-5208 .....	3/8"-16 Nut Plate Weldment with 14" Wire .....	10
2.....	61-6752 .....	BX2329 Baseplate .....	1
3.....	62-3468 .....	Attachment Tab with Hole .....	2
4.....	101-5822 .....	4 Way Connector Adapter .....	2
5.....	201-0192 .....	#10-32 1/2" Round Slotted Head Screw .....	2
6.....	201-0368 .....	3/8"-16 x 1-1/4" Hex Head Bolt, Grade 5, ZP .....	10
7.....	201-0553 .....	1/4"-20 x 1/2" Hex Wshd Type F TCS Screw .....	2
8.....	201-0654* .....	#10-16 x 1" Self Tapping Screw .....	1
9.....	201-0655 .....	6MM-1.0 x 30MM Hex Head Bolt, Grade 8.8, ZP .....	1
10.....	202-0047 .....	#10-32 Hex Nut .....	2
11.....	203-0002 .....	5/16" Flat Washer, ZP .....	1
12.....	203-0009 .....	5/16" Lock Washer, ZP .....	1
13.....	203-0010 .....	3/8" Lock Washer, ZP .....	10
14.....	203-0054 .....	#10 Lock Washer, ZP .....	2
15 (not shown).....	226-0046 .....	36" Class III Baseplate Safety Cable .....	2
16 (not shown).....	229-0359 .....	3/8" Quicklink , ZP .....	2
17 (not shown).....	290-0437 .....	Black Cap Plug Receiver .....	2
18 (not provided) .....	293-1339 .....	Breakaway Switch .....	1
19 (not provided) .....	294-0805 .....	4 Pin Connector .....	1
20 (not provided) .....	294-0902 .....	6 Pin Connector .....	1

\* See page 7 for use of this screw.



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### Attachment Tabs:

The weight of this vehicle is near the Class III, 5,000 lbs. rating limitations. Some models, depending on options, may well exceed this 5,000 lb. rating. Be sure to confirm the weight of your individual vehicle before towing. As of 1999 the Aventa® II is now rated 10,000 lbs. and either the Aventa® II or the Aventa® LX tow bar must be used for these applications.

**Tow Bar Adapters are NOT to be used with vehicle's weighing over 5,000 lbs.**

### Instructions:

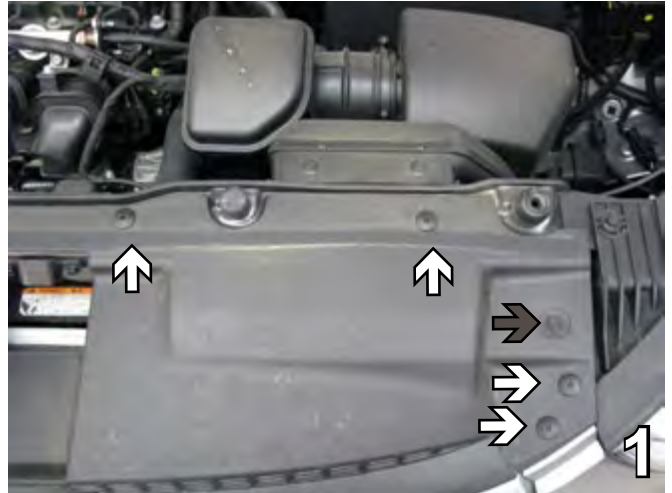
**The front fascia and the windshield washer reservoir are removed and reinstalled during baseplate installation. Drilling is required. Trimming is required.**

The dimensional variations between otherwise identical vehicles can be considerable. Although 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 BX8869 Bulb and Socket Wiring Kit is recommended for this vehicle.



### Installation Instructions:



1. Remove the four plastic push pins from the top edge of fascia between head lights (white arrows). Using an 8MM socket, remove one bolt on the side (gray arrow). Do this on both sides of the vehicle. Set the pins and bolts aside to reinstall later.



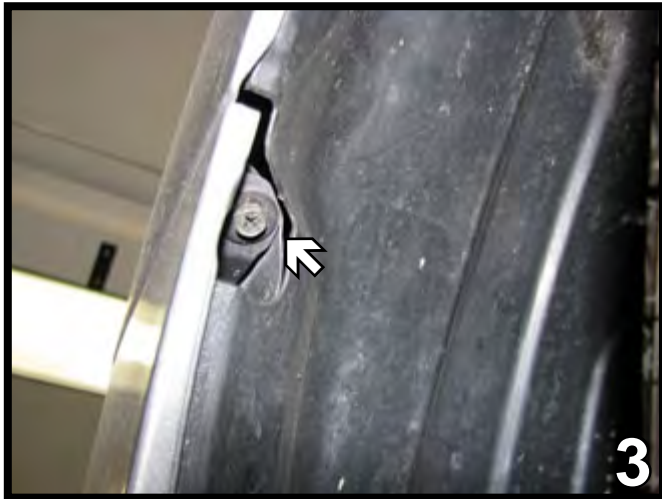
2. Remove the plastic push pin from lower corner of fascia just forward of front tire. Do this on both sides of the vehicle. Set aside to reinstall later.

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



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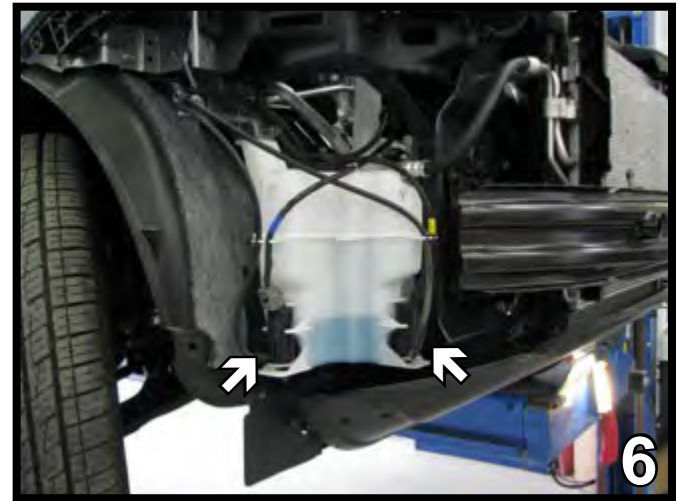
2. Remove the screw on the upper corner of fascia just forward of front tire with the Phillips screw driver. Do this on both sides of the vehicle. Set screws aside to be reinstalled later.



4. Remove the two plastic push pins from underneath the fascia. Do this on both sides of the vehicle. Set pins aside to reinstall later.



5. Underneath the fascia, remove two additional plastic push pins from the middle. Set fascia and pins aside carefully to be reinstalled later.



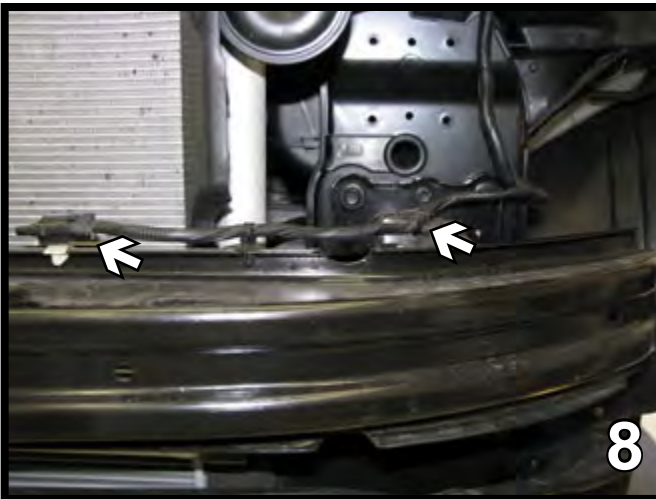
6. On the passenger side only, unplug the hoses from the washer reservoir and put caps on the water lines. Disconnect the electrical lines.



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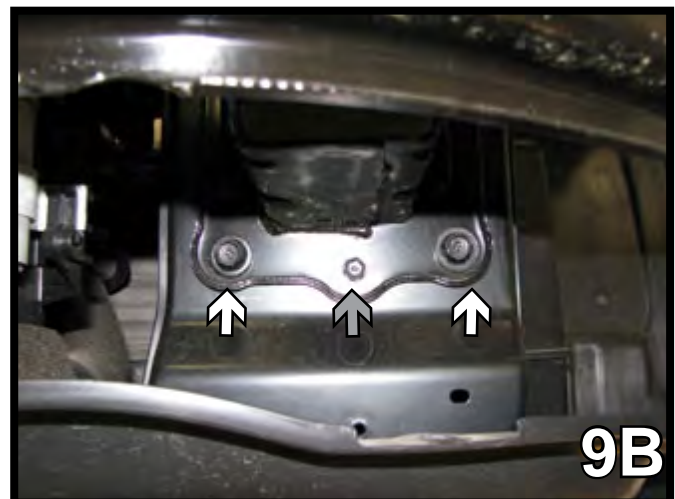
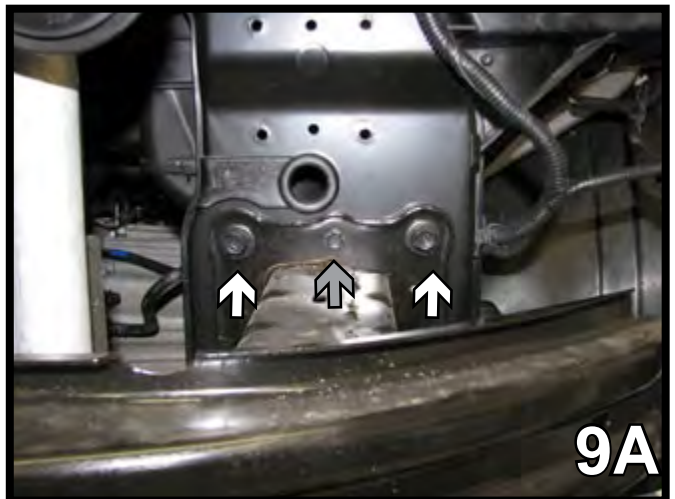


7. Using the 10MM socket, remove the two metric bolts from the side of the washer reservoir. Set the bolts and the reservoir aside to be reinstalled later.



8. Unhook the temperature sensor from the bumper. Set it out of the way while the bumper is removed.

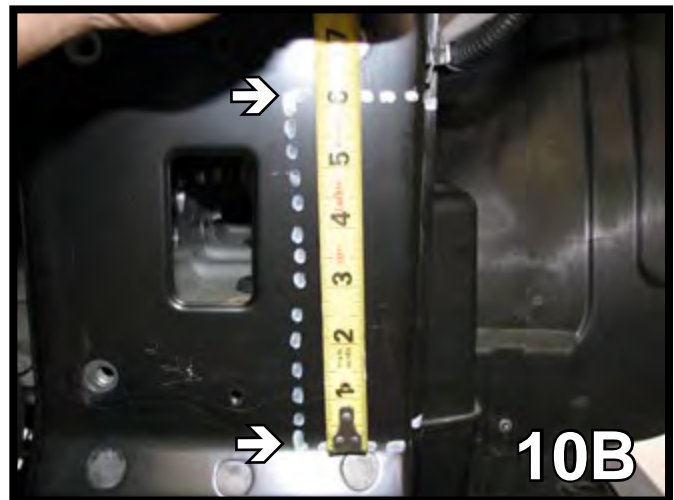
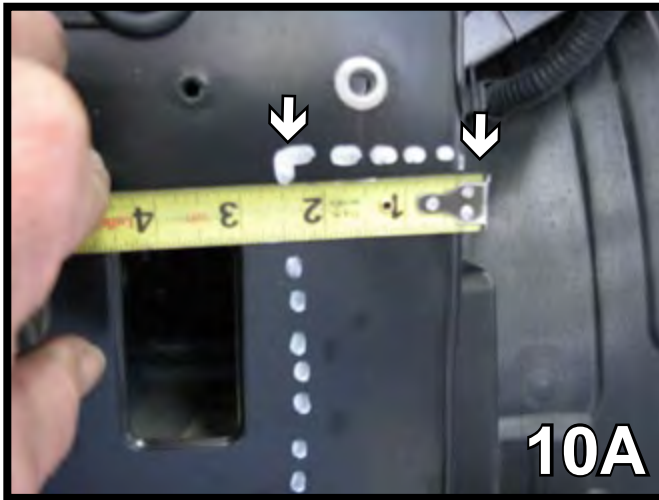
9. Using a 10MM socket, remove the bolt in the center (gray arrows) top and bottom of the bumper bracket. Using a 12MM socket, remove the two outside bolts (white arrows) top and bottom of the bumper bracket. Do this on both sides. Set the bolts and the bumper aside to be reinstalled later.





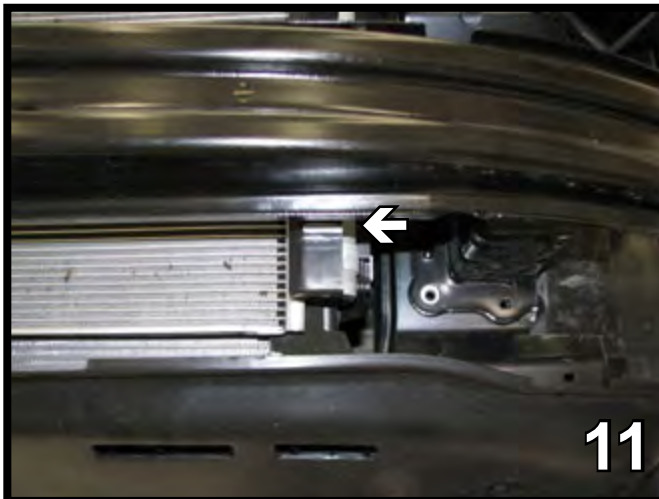
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10. Trim on the front side of the frame cap 2 1/2" in toward the center of the vehicle to the outside edge of frame rail. Measure and mark 6 inches down as shown in the right photo. Using the reciprocating saw, make the two horizontal cuts first. The bottom cut should be just above the lip on the backside flush with the bottom edge. Then make the vertical cut flush on the outside edge of the frame rail being careful not to cut into the air baffle. Do this on both sides.

Using a good quality paint, spray cut edges of frame to prevent rusting.



11. Reinstall the bumper. Mark the back side of the bumper on both sides. Remove the bumper and cut as marked. Then reinstall the bumper.

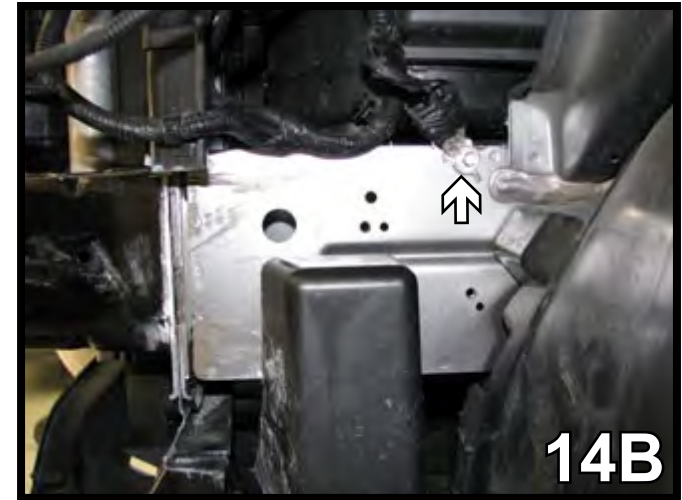
12. Mark 1 3/4" up on the plastic. Remove the piece by pulling out on the backside and lifting up. Cut the marked area. Do this on both sides.



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13. Mark then cut off the tabs on each side of the radiator. Reinstall the plastic guard removed in step 12.

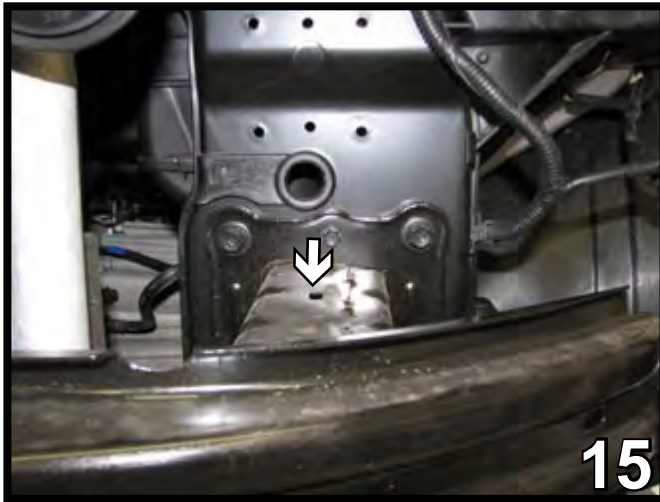


14. Remove the rubber hole cover (gray arrow). Do this on both sides. On the driver's side only, relocate the ground wires (white arrows). Remove from their present location (14A). Use #10-16 x 1" self drilling screw which is included to relocate (14B).

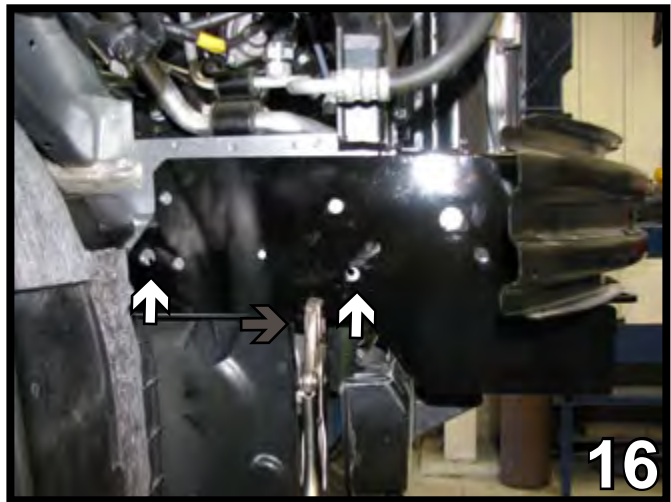


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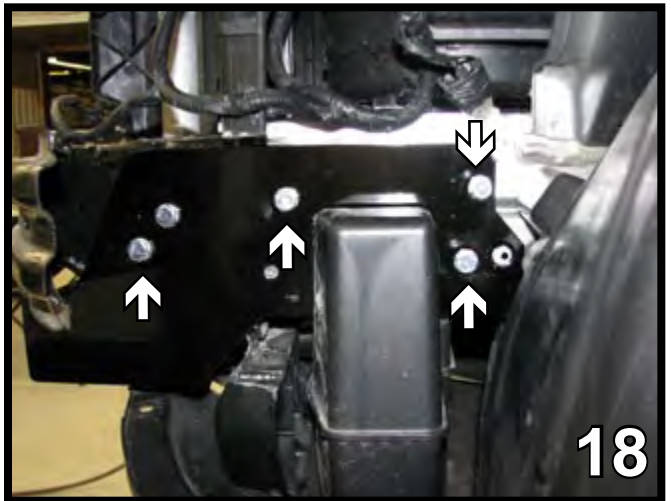
15. Using the 1 1/4" hole saw, starting with the existing hole cut an opening in the top of the bumper bracket to use for wire nut installation. Do this on both sides.



16. Slide baseplate onto the frame to align the existing holes (white arrows) and clamp (gray arrow). **Keep the baseplate level with the frame. Do this on both sides.**



17. Using the baseplate as a template, drill the top front hole with the 13/32" drill bit. Insert the 3/8" nut plate into the 1 1/4" hole to align with drilled hole, tighten the 3/8-16 x 1 1/4" bolt and 3/8" lock washer into nut plate. **Be sure and use loctite red on all bolts before tightening.** The baseplate should be flush with the bottom of the frame rail.



18. Using the baseplate as a template, drill the additional four holes with the 13/32" drill bit. Insert the 3/8" nut plates into the 1 1/4" hole to align with drilled holes, tighten the 3/8-16 hex bolts and lock washers into nut plate. **Be sure and use loctite red on all bolts before tightening. Tighten all bolts according to the torque chart in the General Instruction sheet.** Cover the 1 1/4" holes with tape and paint on both sides.

When using power drills be aware of the dangers of torque and drill bit length.

**\*\*BE SURE TO USE LOCTITE® RED ON ALL BOLTS BEFORE TIGHTENING. TIGHTEN ALL BOLTS ACCORDING TO THE TORQUE CHART ON THE FRONT PAGE OF THESE INSTRUCTIONS OR ON PAGE 3 OF THE BASEPLATE TOWING GENERAL INSTRUCTIONS.**





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18. Reinstall washer reservoir on the passenger's side using the existing bolts and a 6MM-1 x 30MM hex bolt, 5/16" lock washer, 5/16" flat washer as shown in the drawing on page 2. **Be sure all electrical components and hoses are plugged in properly.**

20. The dimensional variations between otherwise identical cars can be considerable. While the baseplate was designed for easy installation, it may be necessary to tailor the baseplate slightly to compensate for auto manufacturers' tolerances. These minor adjustments may include filing a hole slightly, bending electrical rods, adding shims and/or bending endplates.

21. Install the tow bar and safety cables according to the instructions included in their packages. Be sure the safety cables do not rub against any hoses or moving parts.

22. Do **not** substitute other devices if the tow bar pin and clip are lost.

23. **DEALER OR INSTALLER: BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.**



19. While holding the fascia as close to its original position as possible, mark the area around the removable tabs. Cut the grille around the outside edge of the removable tab receivers. Do this on both sides. Reinstall fascia.

Be sure that **ALL** electrical connections are plugged in properly and functioning **BEFORE** installing the fascia.

Install the tow bar and safety cables according to the instructions when demonstrating this to the customer,. Be sure to include all the contents and packages.

Do **NOT** substitute other devices if the tow bar pins and clips are misplaced.



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## **DEALER or INSTALLER:**

**Be certain the user receives the instruction sheets for their products.**



With removable tabs installed.



Without removable tabs installed.

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.

## **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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