



# BLUE OX® 2011-13 Toyota Scion TC Installation Instructions

**BX3785**

**Serial Number**

Please read **BOTH** these Installation Instructions and the General Towing 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 equipment and knowledge to do “fit work”. When necessary, Blue Ox® Dealers can be found at [www.blueox.us](http://www.blueox.us) or by contacting our 24/7 Customer Care Department at (888) 425-5382.
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 or existing hardware specified in the Baseplate Installation Instructions.

Attachment Tab Height: 14 1/2”  
Attachment Tab Width: 21”

**Bolt Torque Specifications**  
Torque in Foot-Pounds per 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. You can also contact REMCO for additional information at 1(800)228-2481.

**Bolt Torque Specifications**  
Torque in Foot-Pounds per 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 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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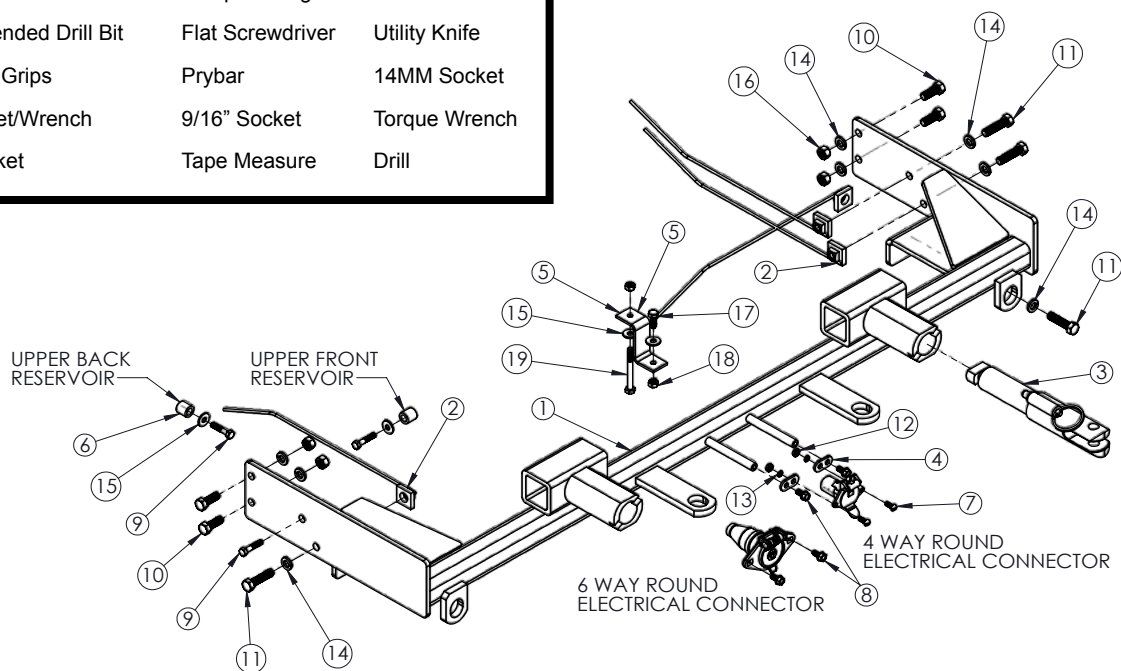
### Installation Instructions

### Parts List

Ref. No.	Qty.	Part #	Description
1	1	61-6912	WLDM'T, BP, BX3785
2	2	107-2982	TUBE, 5/8 OD. X (.120) X 5/8"
3	5	201-0440	3/8-16 X 1 1/2" HEX BOLT, GRD. 5, ZP
4	8	201-0443	3/8-16 X 1" HEX BOLT, GRD 5, ZP
5	3	201-0655	6MM-1.0 X 30MM HEX BOLT, BRD. 8.8, ZP
6	4	202-0090	3/8-16 HEX NYL. INS. LOCK NUT, ZP
7	4	203-0001	1/4" FLAT WASHER, ZP
8	13	203-0010	3/8" LOCK WASHER, ZP
9	1	102-7056	COOLANT BRKT, BX 1689
10	9	61-5208	WLD, NUT PLATE, 1/4 X 1 X 1(3/8-16)w/ 14" WIRE
11	1	201-0050	1/4-20 X 3/4" HEX BOLT, BRD. 5, ZP
12	2	202-0102	1/4-20 HEX NYL. NUT, ZP
13	1	201-0321	1/4-20 X 2 1/2" HEX BOLT, GRD. 5, ZP
14	2	62-3469	ATT TAB ASSY, REM, SF/LB, 1 HOLE
15	2	101-5822	ADAPTER, 4 WAY CONNECTOR
16	2	201-0192	#10-32-1/2" SLOT, ROUND HEAD SCREW
17	2	201-0553	1/4-20 X 1/2" HEX WASHED, TYPE F, ZP
18	2	202-0047	#10-32 HEX NUT
19	2	203-0054	#10-32 LOCK WASHER, ZP
	2	226-0046	BASEPLATE SAFETY CABLE, 36" (Not Shown)
	2	229-0359	QUICKLINK, 3/8, ZP (Not Shown)
	2	290-0437	CAP PLUG, BLK (Not Shown)

### Tools Required

Loctite® RED	Reciprocating Saw	13/32" Drill Bit
13/32" Extended Drill Bit	Flat Screwdriver	Utility Knife
Large Vise Grips	Prybar	14MM Socket
7/16" Socket/Wrench	9/16" Socket	Torque Wrench
10MM Socket	Tape Measure	Drill



### 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.



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## Installation Instructions

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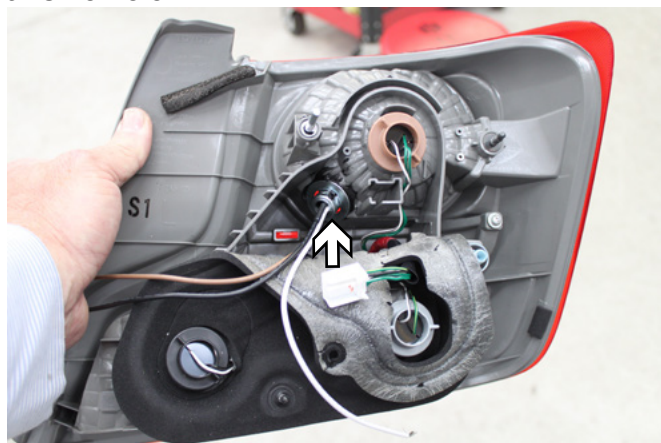
### Attachment Tabs:

Motorhome mount tow bars are recommended for use with this baseplate. Due to the design of the removable tabs, the RangeFinderII and Ambassador tow bars can not be used. Adapters, except the BX8833 and BX88151, can not be used with this baseplate.

**Installation Notes:** The fascia and washer reservoir are removed and reinstalled during installation of the baseplate. Drilling is required. Trimming of the fascia and frame rail is required. You will not reinstall the small plastic insert on the driver's side.

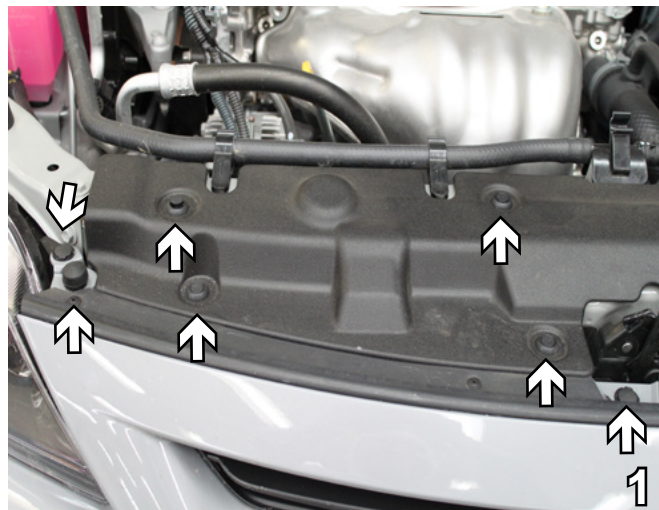
The dimensional variations between otherwise identical vehicles can be considerable. While the baseplate was designed for easy installation, it may be necessary to tailor the baseplate slightly to compensate for auto manufacturer's tolerances. These minor adjustments may include filing a hole slightly, bending electrical rods, and/ or bending end plates.

The BX8869 Wiring Kit is recommended for this vehicle.



Possible location for the BX8869 on driver's side tail light assembly.

### Installation Instructions:



1. On the passenger's side, remove 7 push pins from the plastic cover on top of the fascia. Set push pins aside to be reinstalled later.



2. On the driver's side, remove 4 push pins from the plastic cover on top of the fascia. Remove plastic cover, and set aside with push pins to be reinstalled later.



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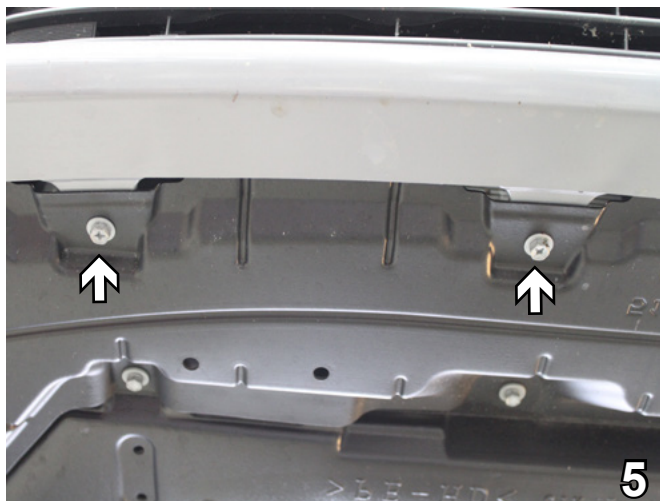
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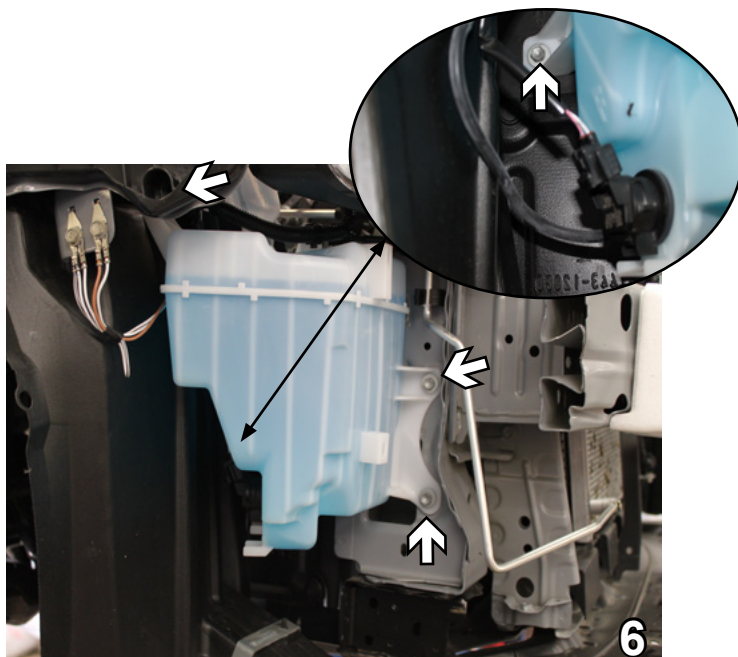
3. Inside the wheel well, remove the upper bolt, using a 10mm socket (see white arrow). Remove the lower screw (see gray arrow) using a flat screw driver to rotate the screw 90 degrees counter clockwise, and then pop the screw out. Do this to both sides of the vehicle. Set bolt and screw aside to be reinstalled later.



4. Using the 10MM socket, remove 2 bolts from the underside of the fascia, just forward of the tire. Do this to both sides of the vehicle. Set bolts aside to be reinstalled later.



5. Using the 10MM socket, remove 2 bolts from the center of the underside of the fascia. Do this to both sides. Set bolts aside to be reinstalled later. Pull out on the fascia corners to remove fascia and set aside to be reinstalled later.



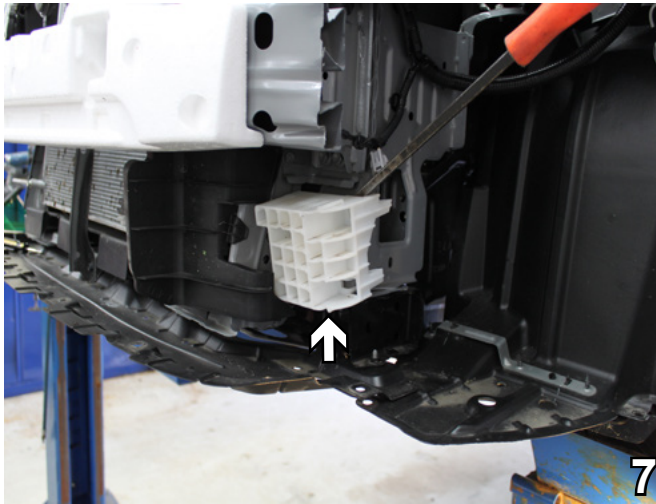
6. Using the 10MM socket, remove 4 bolts from the windshield washer reservoir. Disconnect electrical and plug lines. Remove washer reservoir and set aside with bolts to be reinstalled later



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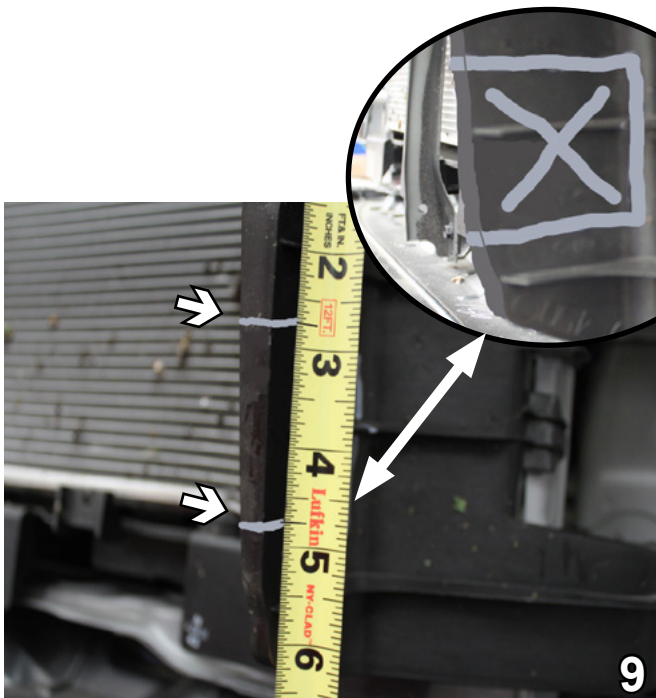
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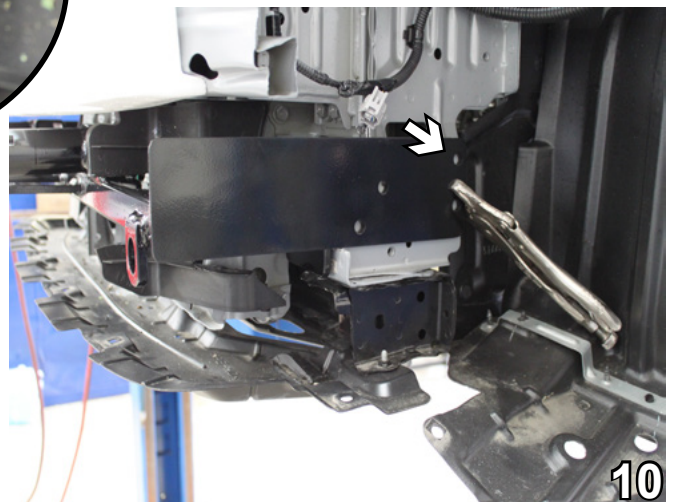
7. Using a pry bar, remove the plastic insert on the driver's side of the vehicle. The insert will remain off the vehicle and not be reinstalled.



8. Measure and mark the area of the frame rail, 3/4" in and from 1" up from the bottom to 4 1/2" upward. Using a reciprocating saw, trim a notch in the frame rail. Do this to both sides of the vehicle.



9. On the driver's side of the vehicle, use the utility knife to trim the plastic frame bracket. Measure down from the bumper 2 3/4" to 4 3/4" and back to the corner.



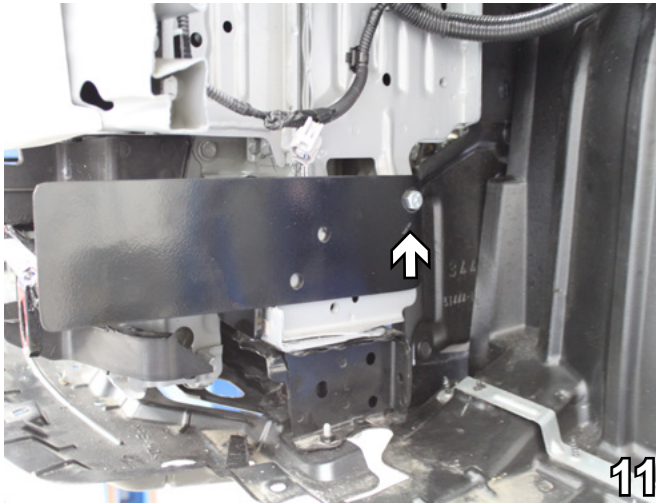
10. On the driver's side, slide the baseplate into the notch we cut out and as far back as possible, it should be flush with back webbing. Adjust to a level position with the vehicle and clamp with large vise grips. Do this on both sides. Using the baseplate as a template with a 13/32" drill bit, drill the upper back hole on the driver's side.

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

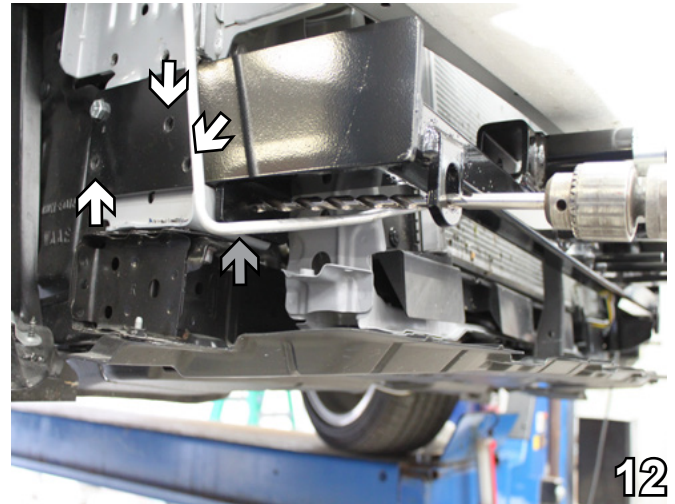


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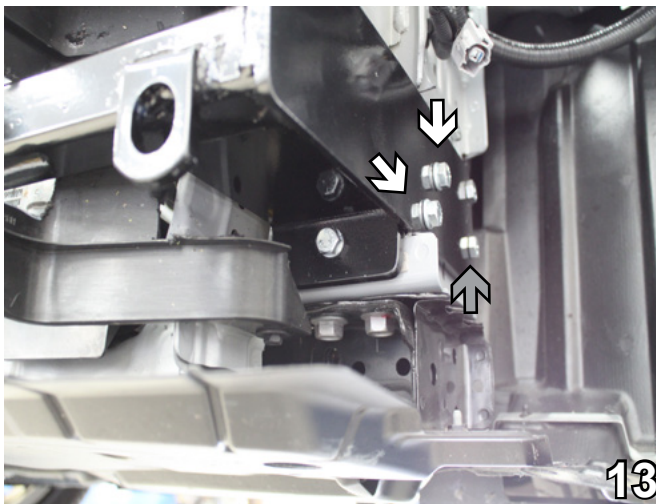


11. Install 3/8-16 x 1" hex bolt and 3/8" lock washer with 3/8-16 hex nut into the drilled hole. Once bolt is tightened insure base plate is level then repeat on the passenger's side.

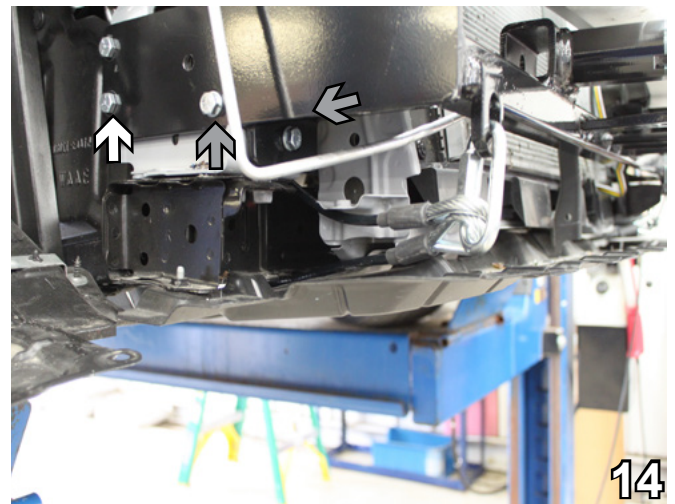


12. Using the baseplate as a template, drill the remaining four holes with the 13/32" drill bit. Do this to both sides. NOTE: You will need an extension on lower passenger's side hole to provide clearance for the coolant line (See gray arrow).

**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.**



13. On the driver's side, the back bolt (gray arrow) is a 3/8-16 x 1" hex bolt and 3/8" lock washer with 3/8-16 hex nut. The front two (white arrows) are 3/8-16 x 1 1/2" hex bolts with 3/8" lock washers and 1/4" x 1" x 1" nut plates inserted through the opening above the baseplate. Tighten all bolts with Loctite Red.



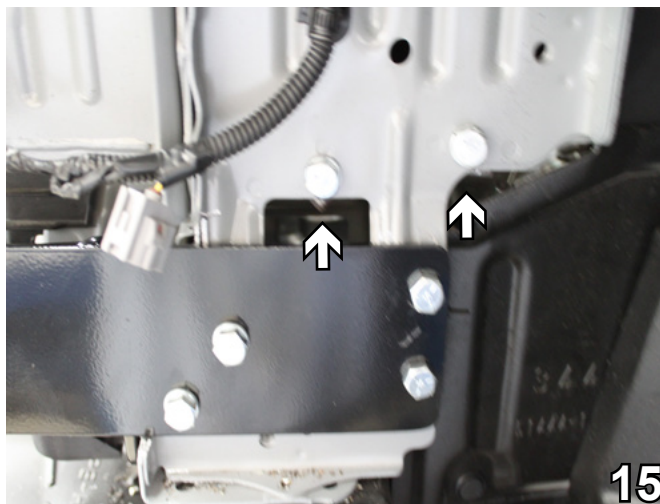
14. On the passenger side, the back bolt (white arrow) is a 3/8-16 x 1" hex bolt and 3/8" lock washer with 3/8-16 hex nut. The front two (grey arrows) are 3/8-16 x 1 1/2" hex bolts with a 3/8" lock washers and 1/4" x 1" x 1" nut plates inserted through the opening above the baseplate. Tighten all bolts with Loctite Red.



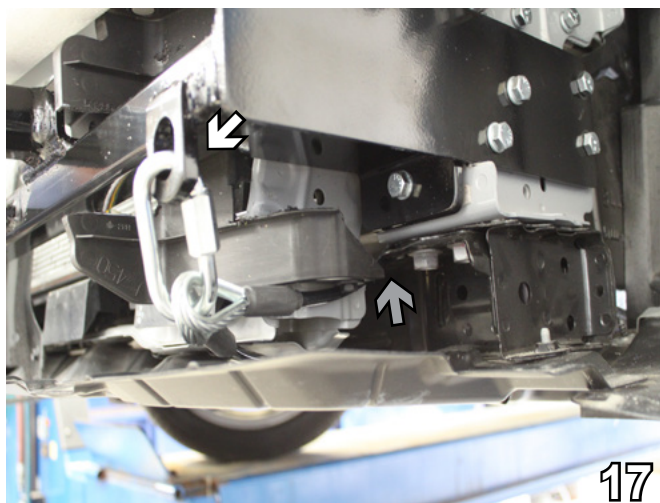
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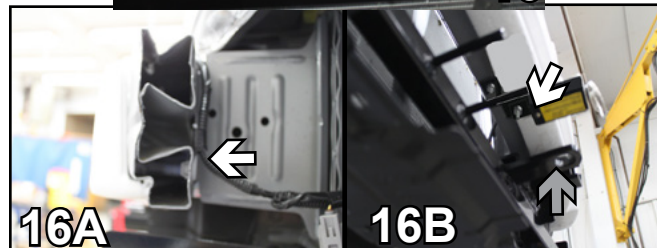
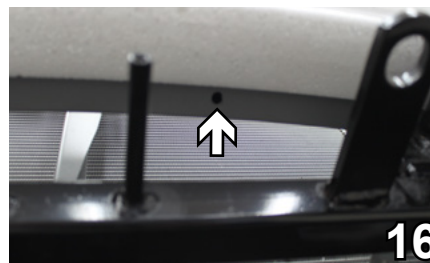
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15. To give reinforcement to frame webbing, using the 13/32" drill bit, drill two holes, insert 3/8-16 x 1" hex bolts. In the front (white arrow) use 1/4" x 1" x 1" nut plates and in the back (grey arrow) use 3/8" lock washers with 3/8-16 hex nuts. Tighten with Loctite Red. Do this on both sides.



17. Attach the permanent baseplate safety cables to the provided convenience link on the baseplate (see white arrow). The photo above shows the recommended installation of the permanent baseplate safety cables to frame of the vehicle (see grey arrow). If the vehicle has additional options, not shown above, which interfere with mounting the permanent baseplate safety cables, secure the cable to a solid piece of the vehicle's frame as described in the instructions included with the permanent baseplate safety cables.



16. **Optional:** Attach the breakaway to the existing hole in the bottom of the bumper. Using the 13/32" drill bit, drill a hole upward through the top half of the tube (16A). Using a 1/4-20 x 2 1/2" hex bolt, 1/4" flat washer and 1/4-20 hex nylon nut (white arrow), attach the breakaway mount. Secure the breakaway with 1/4-20 X 3/4" hex bolt, 1/4" flat washer and 1/4" hex nut (gray arrow, 16B). Tighten both with Loctite Red.

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



18. Reattach the washer reservoir using the existing hardware. Reinstall fascia, bolts, and all push pins. Trim the fascia with a utility knife to allow for removable tabs on both sides.



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Install the tow bar and safety cables according to the instructions provided in their packages. 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.

### Location for the BX8869 Bulb and Socket Wiring Kit.



**Shown without removable tabs installed.**



**Shown with removable tabs installed.**

**DEALER or INSTALLER:**  
**Be certain the user receives the instruction sheets for their products.**

## Customer Service Commitment

Blue Ox® is focused on providing exemplary customer service, as observed in our mission statement and guiding principles. In accordance with this objective, Blue Ox® is proud to provide services such as repairs and general maintenance of Blue Ox® products at over 150 RV Rallies. Look for our Destination America or Blue Ox® Racing service crews at the next rally or race that you attend. If you were not present, you will find an informative, personalized note explaining any services that may have been performed to your Blue Ox® products.

Blue Ox® also offers educational seminars at rallies and through our Park and Resort teams. In addition, Blue Ox® customers visiting our factory may take advantage of the well-equipped Blue Ox® RV park at no charge to you, our valued and appreciated customer.

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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