

Please read **BOTH** these Installation Instructions and the General Towing 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 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.
- 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 Towing Installation Instructions.

Attachment Tab Height: 16 3/4”  
Attachment Tab Width: 19”

**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.

# BX2909

## 2008-09 Lexus Rx350

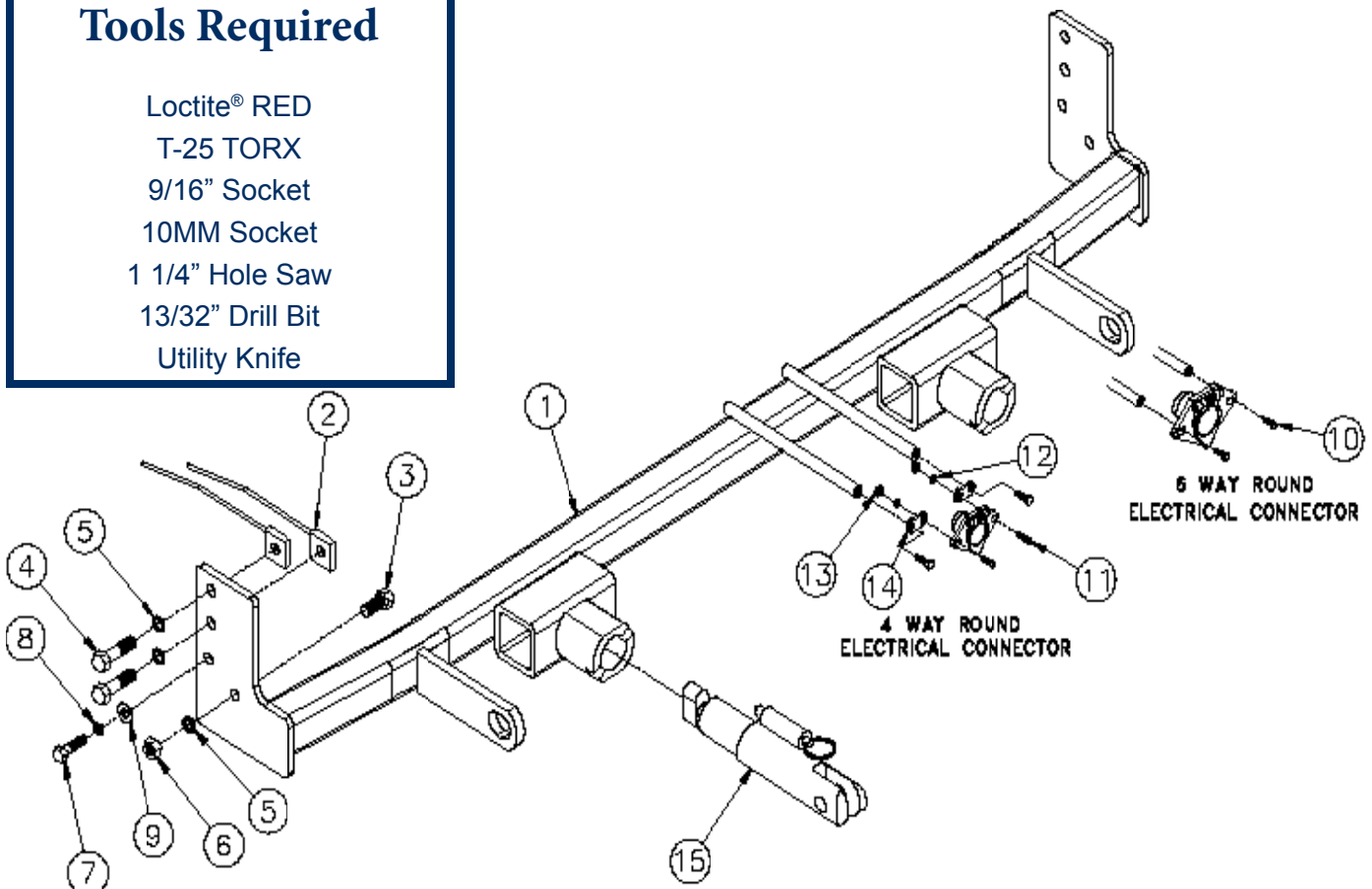
### Installation Instructions

### Parts List

Ref. No.	Qty.	Part #	Description
1	1	61-6426	WLDM'T, BASEPLATE, BX2909
2	4	61-5208	WLDT, NUT PLT, 1/4X1X1, 3/8 BLT WIR
3	2	201-0368	3/8-16 X 1 1/4 HEX HEAD BOLT,GRD. 5
4	4	201-0440	3/8-16 X 1 1/2 HEX BOLT, GRD.5, ZP
5	6	203-0010	3/8 LOCK WASHER, ZP
6	2	202-0003	3/8-16 HEX NUT, ZP
7	3	201-0655	6MM-1.0 X 30MM HEX BOLT, GRD8.8,ZP
8	3	203-0009	5/16 LOCK WASHER, ZP
9	3	203-0002	5/16 FLAT WASHER, ZP
10	2	201-0979	#12-14 X 1" SELF DRILLING SCREW, ZP
11	2	201-0192	10-32 X 1/2 SLOT, RD. HD. SCREW
12	2	203-0054	#10 LOCK WASHER
13	2	202-0047	#10-32 HEX NUT
14	2	101-5822	ADAPTER, 4 WAY CONNECTOR
15	2	62-3468	ATT TAB ASSY, REM, SF/SB, 1 HOLE
	2	290-0437	RECEIVER, CAP PLUG (BLK)
	2	229-0359	QUICKLINK, 3/8, ZP
	2	226-0046	BASEPLATE SAFETY CABLE, 36" CL III

### Tools Required

Loctite® RED  
T-25 TORX  
9/16" Socket  
10MM Socket  
1 1/4" Hole Saw  
13/32" Drill Bit  
Utility Knife



### 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.

BX2909  
2008-09 Lexus Rx350  
Installation Instructions

### Vehicle Weight:

Motorhome mount tow bars are recommended for use with this baseplate. Due to the design of the removable tabs, the RangeFinderII, Adventurer, and Ambassador tow bars can not be used. The Acclaim tow bar may be used, but will not fold and store on the front of the vehicle. Adapters, except the BX8833 and BX88151, can not be used with this baseplate.

**Installation Notes:** The fascia is removed and reinstalled during installation of the baseplate. Drilling is required. Trimming of the fascia and air dam 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.

### Installation Instructions:



1. Remove the fascia by removing 3 pushpins with a flat screwdriver. The first one is on the middle (1A) and one is just inside of headlight (1B). Do this on both sides. Set push pins aside to be reinstalled later.

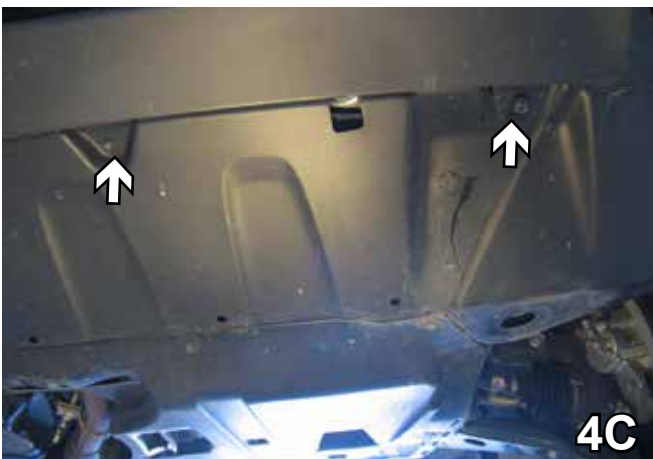
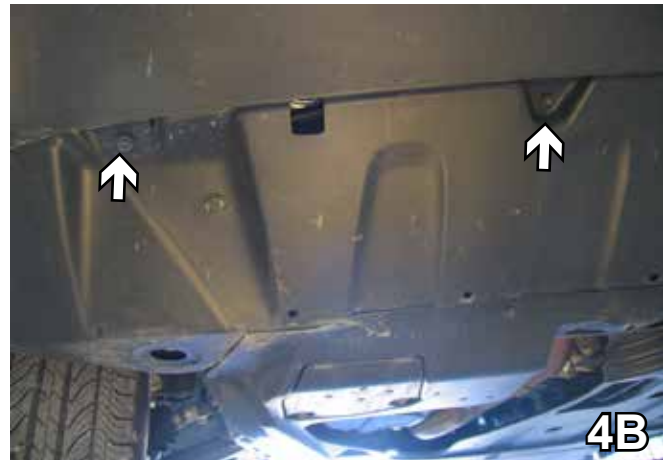
BX2909  
2008-09 Lexus Rx350  
Installation Instructions



2. Using a 25 TORX, remove the bolt just forward the front tire. Do this to both sides and set aside for later reinstallation.



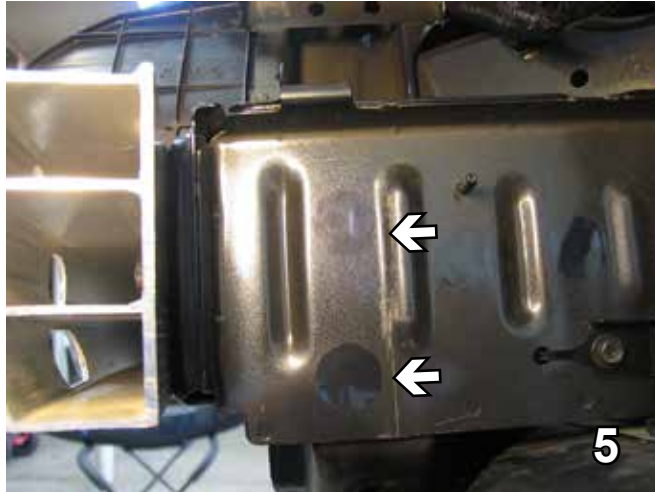
3. Just forward the front tire, above and inside wheel well cover, use a 10MM socket to remove the screw. Set screw aside to be reinstalled later. Do this to both sides of the vehicle.



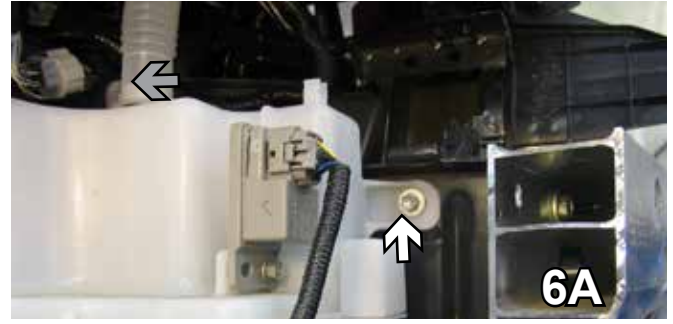
4. Underneath the fascia, remove 6 bolts with a 10MM socket and set aside for later reinstallation. Pull fascia corner out to the side of vehicle, both sides, then pull fascia forward and set aside carefully for later reinstallation.



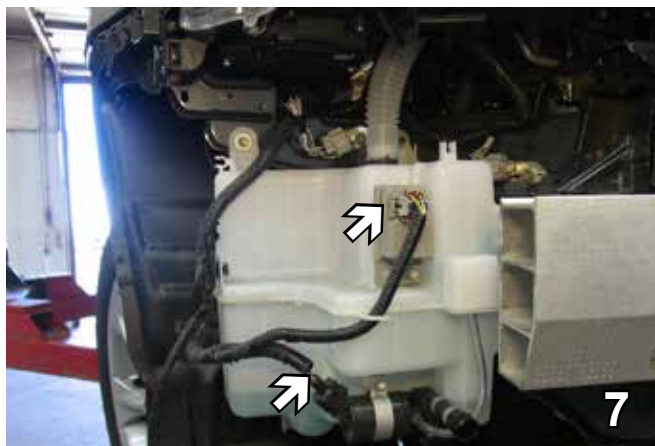
BX2909  
2008-09 Lexus Rx350  
Installation Instructions



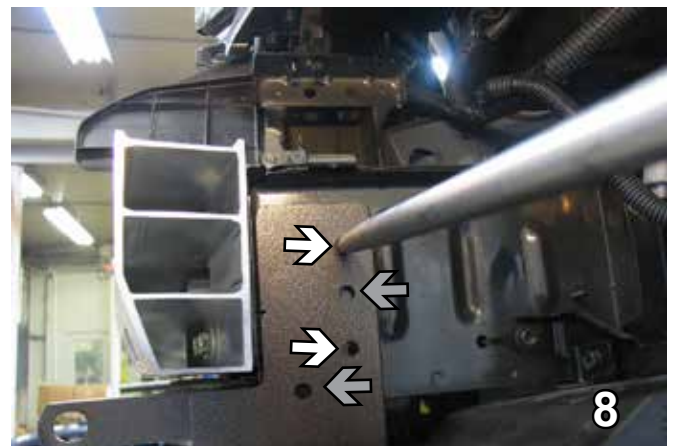
5. On the drivers side, peel off the hole covering on both holes.



6. On the passenger side, remove the water tank. Pull up to remove the hose on top (grey arrow). Using a 10MM socket, remove the 3 bolts holding the water tank. Set aside for later reinstallation.

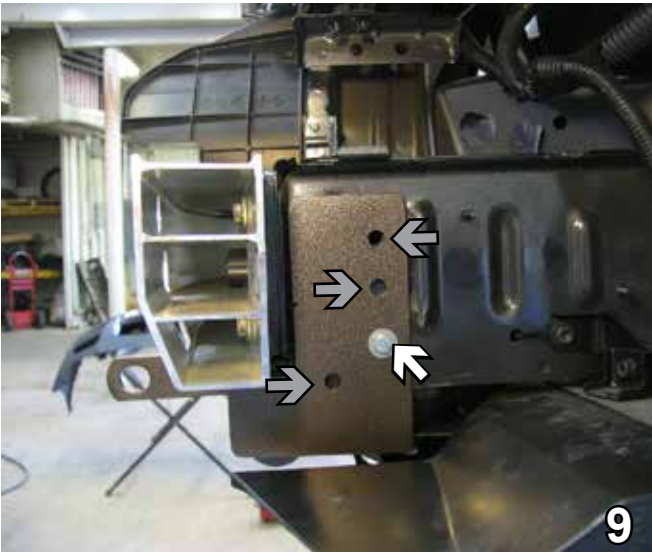


7. Unplug all the hoses. There are several in the back that will need to be removed after the water tank is loose.



8. Slide the base plate on, push up as far as possible, using a centering tool in the existing hole, line up. There are 2 existing holes (white arrows) on both sides.

BX2909  
2008-09 Lexus Rx350  
Installation Instructions



9. Start a 6MM-1.0 x 30MM hex bolt with a 5/16" flat and lock washer in the lower existing hole. Continue in the upper hole, tighten with Loctite Red. Adjust baseplate to a level position with vehicle before drilling. Drill the other two holes with a 13/32 drill bit (grey arrows). Do this 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.**



10. Drill an 1 1/4" hole in the area shown to get the wire nuts through. Do this on the other side also.



11. In the lowest hole (grey arrow), use a 3/8-16 x 1 1/4" hex bolt with a 3/8" lock washer and hex nut. Note: The lower bolt is inserted from the back side of frame webbing (see page 2). The other bolts are 3/8-16 x 1 1/2", attached to 3/8 lock washer and 1/4" x 1" x 1" nut plates. Also cover the hole on the back. Do this to both sides.



BX2909  
2008-09 Lexus Rx350  
Installation Instructions



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



14. Trim the fascia. Remove the two outside horizontal styles, using a utility knife. One is shown, do the same on the other side.



13. Reinstall washer reservoir. Do not use the existing bolt in the area shown, use a 6MM -1.0 x 30MM hex bolt. Connect the hoses and plug in electrical connections.



15. On the back side of the fascia, trim the two outside vertical styles as needed. (Hold fascia in place and trim as needed.) Do this to both sides.

BX2909  
2008-09 Lexus Rx350  
Installation Instructions



16. On the edge of the fascia opening, trim an inch in and taper back to the corner as shown. Do this on both sides.



17. Before reinstalling the bumper, connect the head light washer hose. Reconnect the fog lights and running lights.

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

18. Reinstall fascia, bolts and push pins. The installation of the baseplate is complete.



# BX2909

## 2008-09 Lexus Rx350

### Installation Instructions

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.

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



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.



© 2007, 10 Blue Ox  
One Mill Road, Industrial Park  
Pender, Nebraska 68047  
Phone: (402) 385-3051 • Fax: (402) 385-3360  
[www.blueox.com](http://www.blueox.com)

# General Information

1. Ensure that your product(s) are registered online at [www.blueox.com](http://www.blueox.com). It is crucial to register your product(s) so that you may be alerted of product offerings, updates, upgrades, maintenance and safety bulletins, and/or recalls.
2. **It is the owner's responsibility to inspect all towing equipment for cracked welds, missing or worn parts and loose bolts before each towing trip.** Be sure to use Loctite® Red on all bolts and tighten to the recommended specifications.
3. **It is the owner's responsibility to hook up all towing equipment per manufacturer's instructions/recommendations.**
4. Remove the attachment tabs when not in use (if applicable).

## Notice To Baseplate Installer

1. **It is YOUR responsibility to watch for:**

- Oil cooler and air conditioner lines
- Electrical wires and hoses
- Missing parts or attaching points on the frame

\*\* If the baseplate is improperly installed and is against a wire or hose, it could cause fluid leaks or electrical shorts some time after the actual baseplate installation.

## Permanent Baseplate Safety Cable Installation

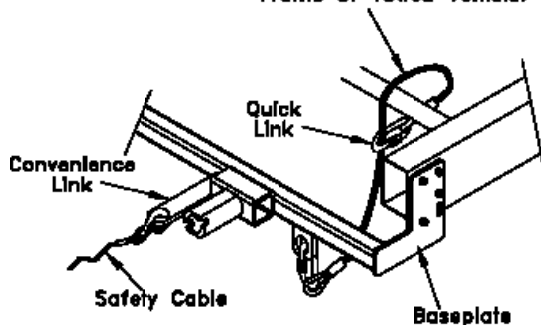
Permanent baseplate safety cables are strongly recommended when towing a vehicle with a tow bar. The principle function of the permanent baseplate safety cables is to prevent the towed vehicle from breaking loose in the event the connection between the frame of the towed vehicle and the baseplate fails or becomes disconnected. The cables must be connected from the baseplate to the frame rail or cross member of the vehicle's frame. The illustrations below show the possible arrangements recommended by Blue Ox®. Each permanent baseplate safety cable must have an adequate weight rating for the towing system. The weight rating of the two (2) cables together will not qualify.

***Do not mount the permanent baseplate safety cables against wires, hoses or brake lines.***

These permanent baseplate safety cables should remain installed as long as the baseplate is installed on the vehicle. Permanent baseplate safety cables are to be used in conjunction with, and NOT a replacement for legally required safety cables attaching the towed vehicle to the towing vehicle.

### OPTION #1

Permanent Baseplate Safety Cables to Cross Member or Frame of Towed Vehicle.



### OPTION #2

Permanent Baseplate Safety Cables to Cross Member or Frame of Towed Vehicle.

