



BX2194

2008-14 Ford 250 Super Duty Installation Instructions

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.”
- 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: 18”

Attachment Tab Width: 22”

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

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 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.

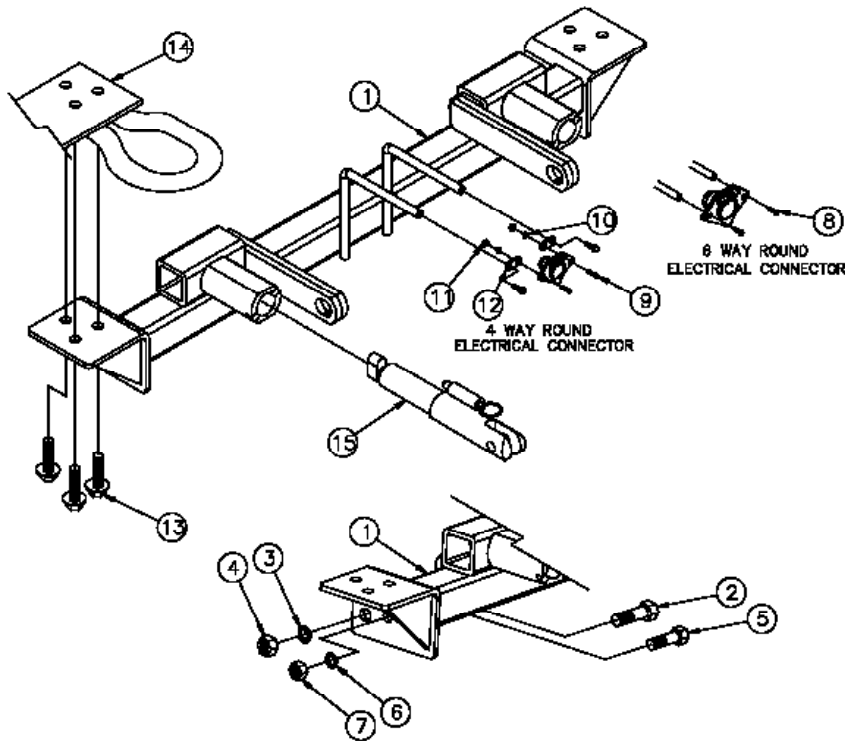


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Parts List

Ref. No.	Qty.	Part #	Description
1	1	61-6401	Weldment, Base Plate, BX2194
2	2	201-0350	10MM 5/8-11 x 1 1/2 Hex Bolt
3	2	203-0013	10MM 5/8 Lock Washer, ZP
4	2	202-0008	5/8-11 Hex Nut
5	2	201-0051	1/2-13 x 1 1/2 Hex Bolt
6	2	203-0012	1/2 Lock Washer, ZP
7	2	202-0005	1/2-13 Hex Nut
8	2	201-0979	#12-14 x 1" Self Drilling Screw, ZP
9	2	201-0192	#10-32 x Slot. Rd. Hd. Screw
10	2	203-0054	#10 Lock Washer
11	2	202-0047	#10-32 Hex Nut
12	2	101-5822	Adapter, 4 Way Connector
13	6		Existing Meter Bolts
14	2		Existing Toe Hooks
15	2	62-3469	ATT TAB ASSY, REM, SF/LB, 1 HOLE
	2	290-0437	Cap Plug, Black (Not Shown)
	4	229-0512	Quicklink, 1/2", ZP (Not Shown)
	2	226-0049	Baseplate Safety Cable, 36" Class III (Not Shown)



Tools Required

Loctite® RED
 8MM Socket
 13MM Socket
 15MM Socket
 18MM Socket
 17/32" Drill Bit
 21/32" Drill Bit
 Flat Screwdriver

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.



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Vehicle Weight: 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 and insure your tow bar, hitch and all equipment has an appropriate rating.

Tow Bar Adapters are NOT to be used with vehicles weighing over 5,000 lbs.

Installation Notes: The fascia and air dam are removed for installation.

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 BX8869 Bulb and Socket Wiring Kit is recommended for this vehicle.



Possible location for the Bulb and Socket Wiring Kit (BX8869)

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. Using a 18MM socket, remove two metric bolts from the bumper, located just beside the fog light assembly. Do this to both sides of the vehicle. Set bolts aside to be reinstalled later.



2. Just behind the metal bumper on the frame there is a bolt that needs to be removed. Using a 13MM socket. Do this to both sides. Set bolts aside to be reinstalled later.

Do not use the towed vehicle for storing luggage, equipment, etc. This may cause you to exceed the towing capacity of the tow bar, baseplate, and its accessories.



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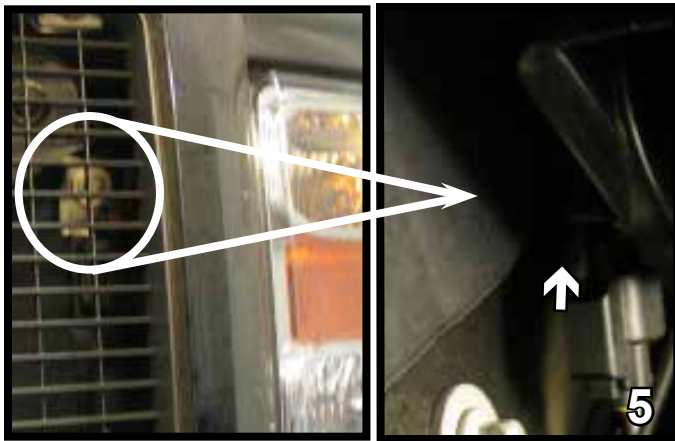
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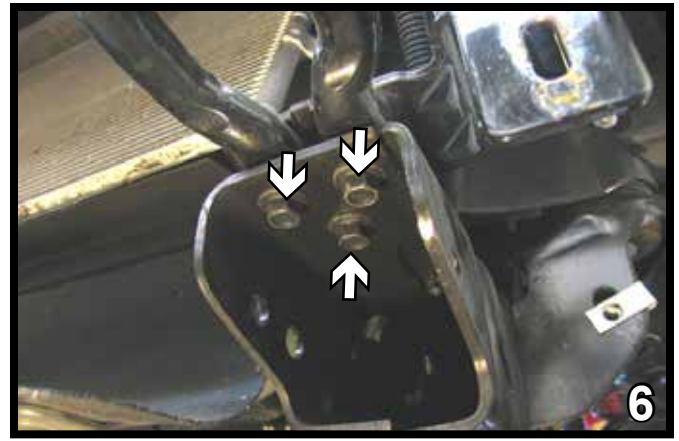
3. Using a flat screwdriver, remove three push pins located just below the license plate. Set push pins aside for later reinstallation.



4. While removing the bumper there is a 5MM bolt on the passenger side by a yellow latch. Remove it with a 8MM socket. This is only on the passenger side. Set aside for reinstallation.

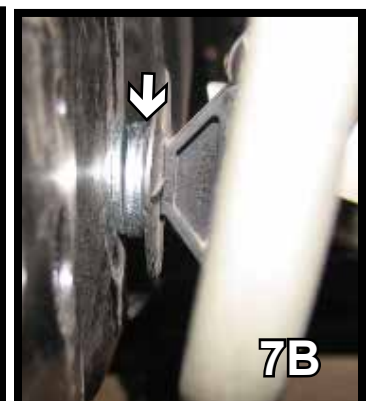
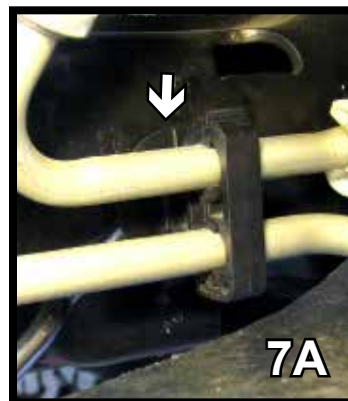


5. A wire harness needs to be unplugged on the drivers side. Pull bumper forward and set aside for later reinstallation.



6. Remove the tow hook from both sides by removing the three bolts using a 15MM socket. Set tow hooks aside with the bolts to be reinstalled later.

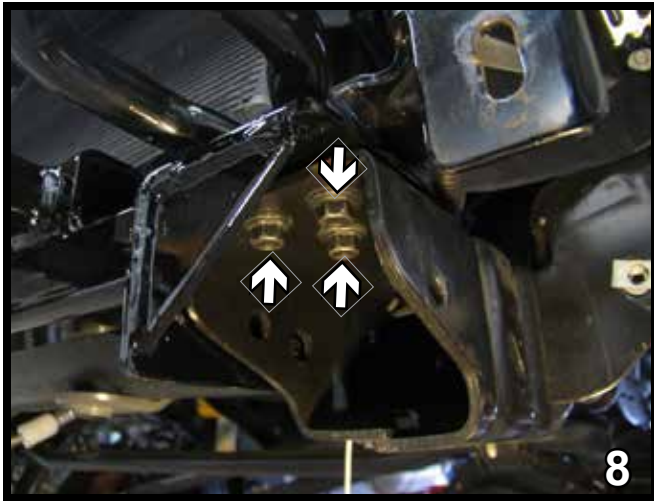
7. Before sliding on base plate, on the passenger side, there are two coolant lines that are held by a push pin and need to be removed using a flat screwdriver. Install 3 washers between the pushpin and frame to bring the lines are further (see 7B for after photo).





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8. Align baseplate with existing tow hook holes and install existing bolts and tow hooks on top of the baseplate. Do to both sides.



9. It may be necessary to ream out two existing holes on the side of the frame rail. Using the baseplate as a template, drill out the front hole with the 17/32" drill bit and a 21/32" drill bit on the back hole. Not every frame will be the same as you can note above. Do this to both sides.



10. 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 to both sides of the vehicle.

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.

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

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

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.



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DEALER or INSTALLER:

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



Shown with removable tabs installed



Shown 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.

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.

General Information

1. Ensure that your product(s) are registered online. 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

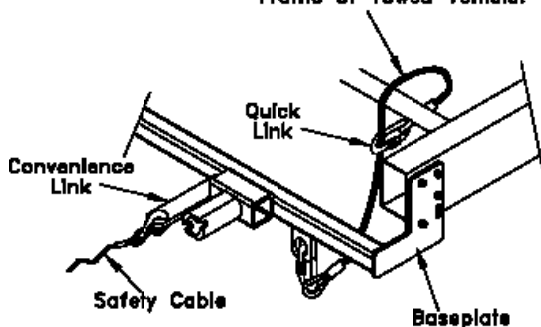
Permanent baseplate safety cables are strongly recommended when towing a vehicle with a tow bar. The principle function of the permanent baseplate safety cables is to prevent the towed vehicle from breaking loose in the event the connection between the frame of the towed vehicle and the baseplate fails 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.

