



BX1119

2002-04 Jeep Liberty 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: 19”

Attachment Tab Width: 20”

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



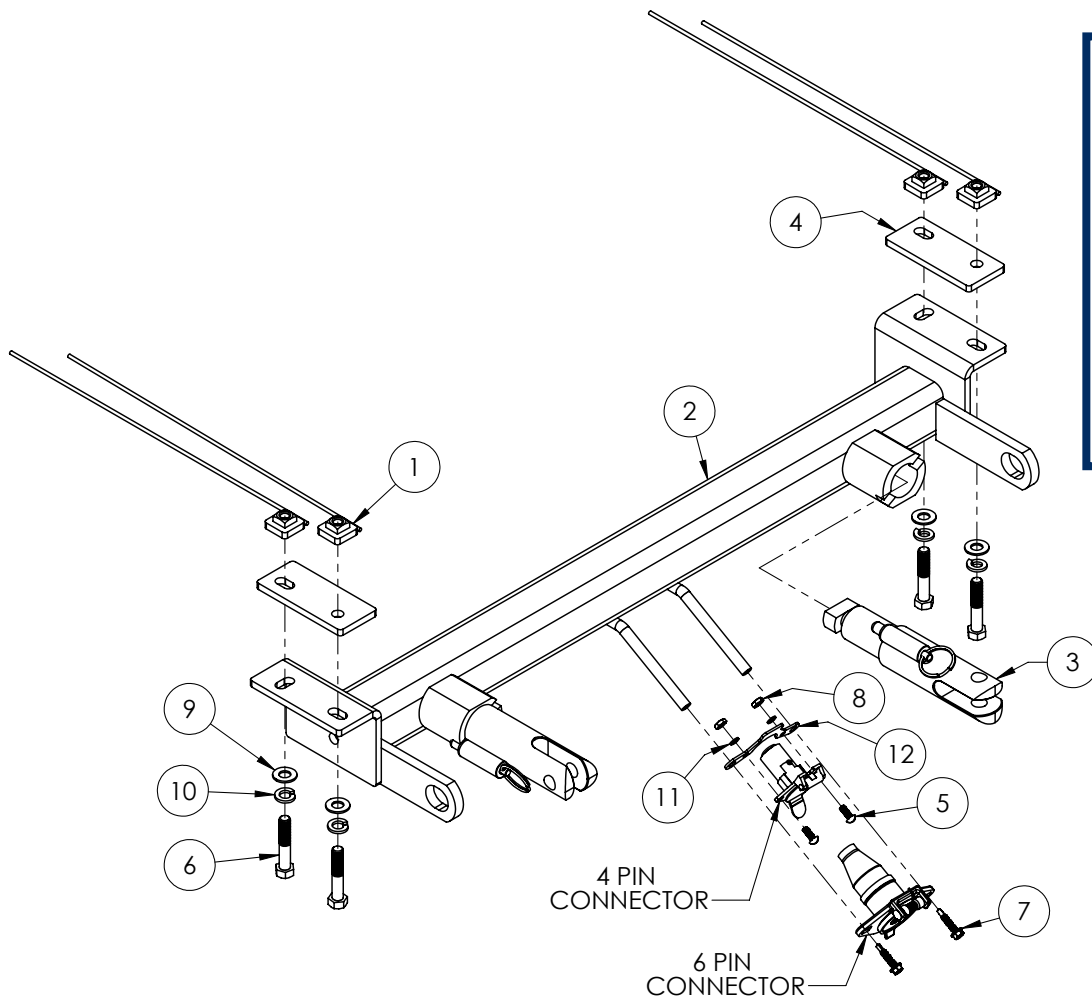
WARNING

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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Parts List

Ref. No.	Qty.	Part #	Description
1	4	61-5208	Weldment, 3/8-16, Nut Plate, With Wire
2	1	61-5649	Weldment, Baseplate, BX1119
3	2	62-3468	Removable Attachment Tab (SF/SB)
4	2	102-5597	Side Plate Support
5	2	201-0192	#10-32 x 1/2" Slot, Rd. Hd. Screw
6	4	201-0444	3/8-16 x 2" Hex Bolt, Grd. 5, ZP
7	2	201-0979	#12-14 x 1" Self Drilling Screw, ZP
8	2	202-0047	#10-32 Hex Nut
9	4	203-0003	3/8" Flat Washer, ZP
10	4	203-0010	3/8" Lock Washer, ZP
11	2	203-0054	#10 Lock Washer
12	1	299-0685	Electrical Bracket, ZP
13	2	226-0046	Baseplate Safety Cable, 36" CL III (Not Shown)
14	2	229-0359	Quicklink 3/8, ZP (Not Shown)
15	10	229-0536	6.3, Plastic Rivets (Not Shown)
16	2	290-0437	Cap Plug, Black (Not Shown)



Tools Required

10MM Socket
 13/32" Drill Bit
 T-20 Torx
 Phillips Screwdriver
 Vise Grips
 Side Cutters
 Plastic Rivet Gun
 Loctite® RED

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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Removable Tabs:

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

Instructions:

The grille and front fascia are removed and reinstalled during the baseplate installation. Existing holes may need to be drilled out. There is NO trimming to the fascia. Tow hooks are removed and NOT reinstalled. Drilling 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, and/ or bending end plates.

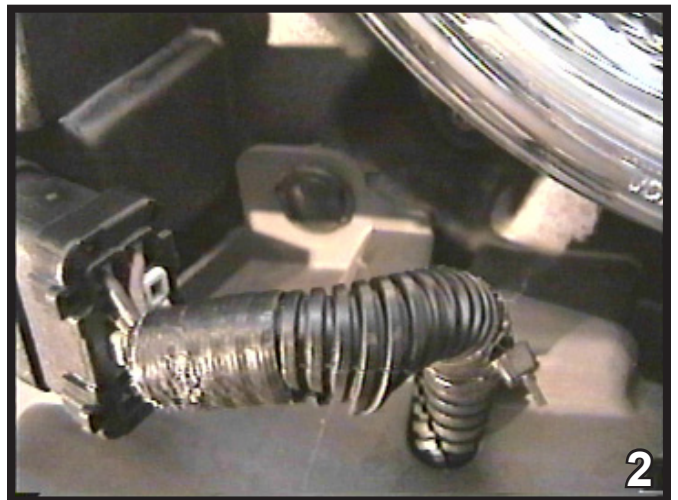
The BX8869 Bulb and Socket Wiring Kit is recommended for this vehicle.



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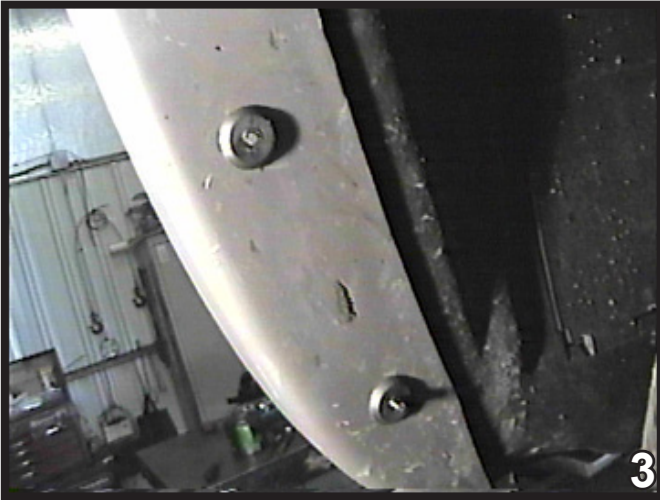


1. Using the T-20 Torx, remove the two Torx bolts from the top of the headlight assembly and two on the top center of grille. Do this to both sides of the vehicle. Set the torx bolts aside to be reinstalled later. Pull top of grille forward and lift up to remove.



2. Remove the six push pins from the top side of the fascia. Disconnect the electrical plug on the driver's side as seen in the photo above.

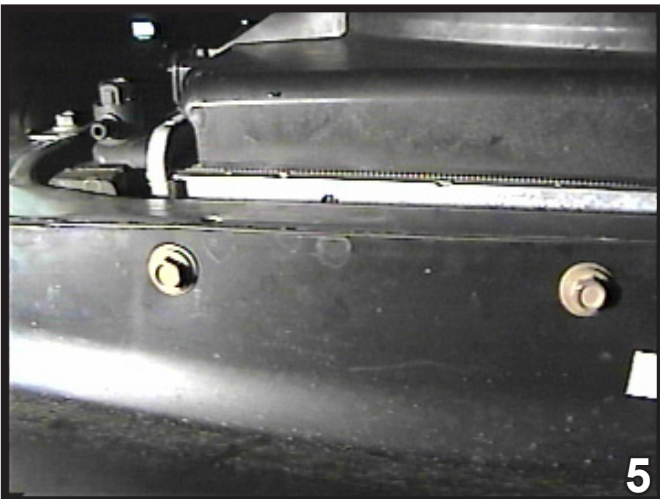
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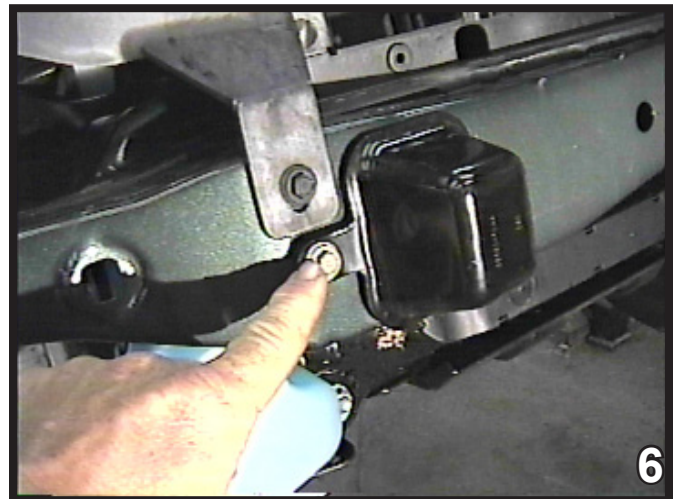
3. Just forward of the front tire are four rivets, cut and remove the three lower rivets and two rivets on the underside of the fascia corner. Do this to both sides of the vehicle. These rivets will be replaced by others later.



4. Release three clips from the fascia's side by opening the access panel on the wheel well, just forward of the front tires. Do this to both sides of the vehicle.

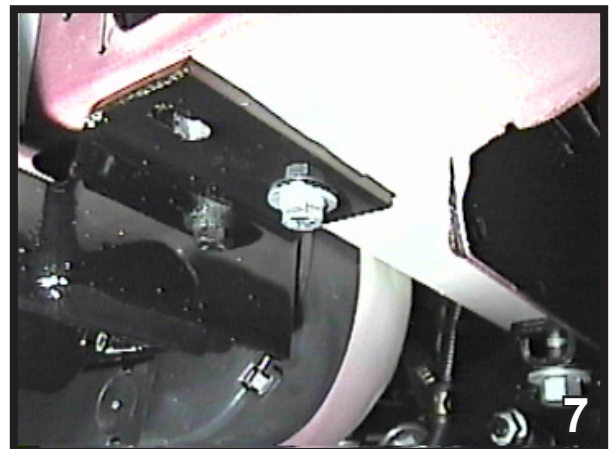


5. Using the 10MM socket, remove four metric bolts from the air dam under the radiator cross member. Set the bolts aside to be reinstalled later. Pull the fascia forward from the bottom and set aside carefully to be reinstalled later. **NOTE: 2003 and 2004 models will only have two metric bolts to remove.**



6. To remove the frame cup, use a 10MM socket to remove the metric bolt. Set cup and bolt aside to be reinstalled later. Do this to both sides of the vehicle. Some models may have tow hooks that will be removed at this time.

7. Clamp the baseplate into place using the vise grips. Insert side plate support into frame opening to align with existing holes. Insert the 3/8-16 nut plate into the frame opening to align with 3/8-16x2" hex bolt, the 3/8" lock washer, and the 3/8" flat washer. Do this to both sides of the vehicle.



8. Reinstall the frame cups, front fascia and grille. Replacement rivets are provided for the fender wells.

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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.

Install the tow bar and safety cables according to their instructions. When demonstrating this to the customer, be sure to include all of the Blue Ox packaging and contents.

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.

General Information

1. 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.
2. It is the owner's responsibility to hook up all towing equipment per manufacturer's instructions/ recommendations.
3. 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

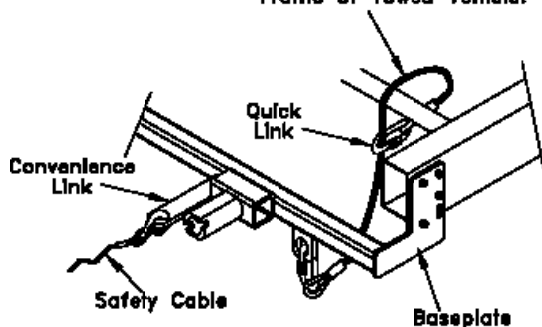
Permanent baseplate safety cables are strongly recommended when towing a vehicle with a tow bar. The principle function of the permanent baseplate safety cables is to prevent the towed vehicle from breaking loose in the event the connection between the frame of the towed vehicle and the baseplate fails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

