



BX2227 2003-05 Honda Pilot Installation Instructions

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 equipment necessary and knowledge to do "fit work".
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.

Attachment Tab Height: 25.5"

Attachment Tab Width: 24"

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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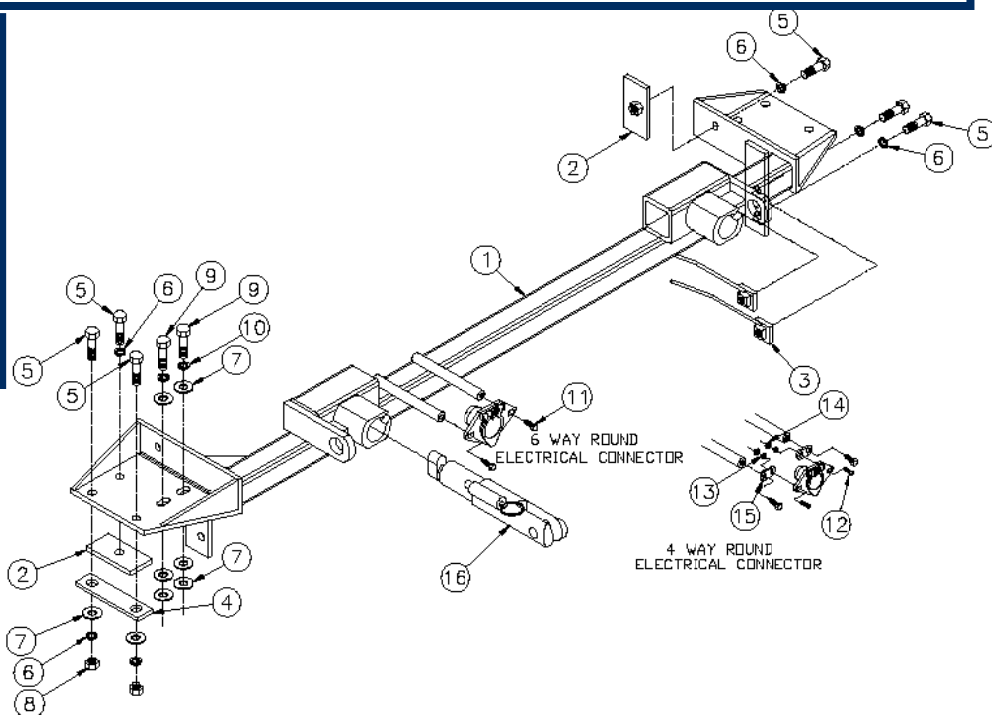
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Parts List

Ref. No.	Qty.	Part #	Description
1	1	61-5808	Weldment, Baseplate, BX2227
2	4	61-5589	Weldment, 3/8-16 Nut plate
3	4	61-5208	Weldment, Nut Plate, 1/4X1X1, 3/8"/14"Wire
4	2	102-6682	Backing, Plate, BX1015
5	12	201-0440	3/8-16 x 1 1/2" Hex Bolt, Grd. 5, ZP
6	12	203-0010	3/8 Lock Washer, ZP
7	12	203-0003	3/8 Flat Washer, ZP
8	4	202-0003	3/8-16 Hex Nut, ZP
9	4	201-0446	8MM-1.25 x 30MM, Hex Bolt, Grd. 8.8, ZP
10	4	203-0102	8MM Lock Washer, ZP
11	2	201-0979	#12-14 x 1" Self Drilling Screw, ZP
12	2	201-0192	#10-32 X 1/2" Slot, Rd. Hd. Screw
13	2	203-0054	#10 Lock Washer
14	2	202-0047	#10-32 Hex Nut
15	2	101-5822	Adapter, 4 Way Connector
16	2	62-3468	Attachment Assembly, SF/SB (R)
	2	226-0046	Baseplate Safety Cable, 36" CL III (Not Shown)
	2	229-0359	Quicklink, 3/8, ZP (Not Shown)
	2	290-0437	Cap Plug, Black (Not Shown)

Tools Required

8MM Socket
10MM Socket
12MM Socket
13MM Socket
13/32" Drill Bit
Vise Grips
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).

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Removable Tabs:

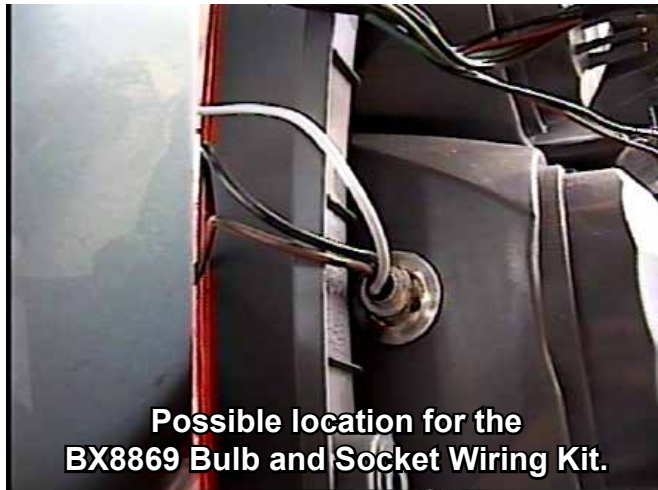
Due to the design of the removable tabs, the RangeFinder II tow bar can not be used. Adapters, except for the BX8833 and the BX88151, can not be used with this baseplate.

Instructions:

The front fascia, headlight assemblies and metal bumper are removed and reinstalled for the baseplate installation. Drilling is required. Models with fog lights may need to be trimmed on the back side of the fog light housing.

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 available for this vehicle.



Possible location for the
BX8869 Bulb and Socket Wiring Kit.

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1. Remove thirteen pushpins on the top side of the fascia just above the headlight assemblies. Set pushpins aside to be reinstalled later.



2. Use the 8MM socket to remove a metric bolt from the corner of the fascia just above the front tire. Do this to both sides of the vehicle. Set bolts aside to be reinstalled 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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3. Just forward of the front tire there are two metric bolts to remove from the underside of the fascia corner with the 10MM socket. Do this on both sides of the vehicle. Disconnect the electrical connections from the fascia. Pull the fascia's corner out to the side, then forward to release and set bolts and fascia aside carefully to be reinstalled later.

NOTE: Some 2005 models may have four push pins from the bottom edge of the fascia to remove before the fascia is removed.



5. Remove the two metric bolts on the top of the metal bumper bracket using a 12MM socket. These bolts will NOT be reused for the installation.

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



4. Using the 10MM socket, remove the five metric bolts from the driver's side headlight assembly, pull assembly forward, unplug electrical connections and set aside to be reinstalled later. Do this to both sides of the vehicle.

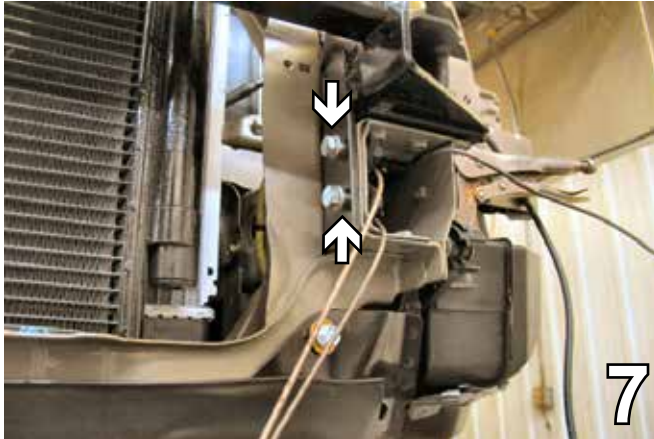


16. Slide metal bumper back on to the frame rail, guiding the baseplate on top of frame rail. Align with the existing holes of the bumper bracket. Insert two 8MM-1.25 x 30MM hex bolts through the baseplate into the two existing bumper bracket holes using 8MM lock washers, and 3/8" flat washers (see arrow). Using a vice grip; clamp the rear of the baseplate. Using the baseplate as a template, drill into the frame rail through the remaining baseplate holes (six). Three are found on the top of the baseplate, another on the side resting against the radiator support. Two more are on the lower portion of the baseplate resting against the side of frame rail. Do this to both sides of the vehicle.

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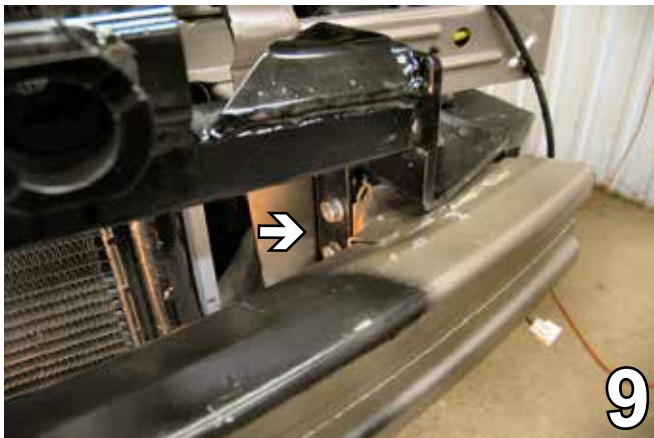
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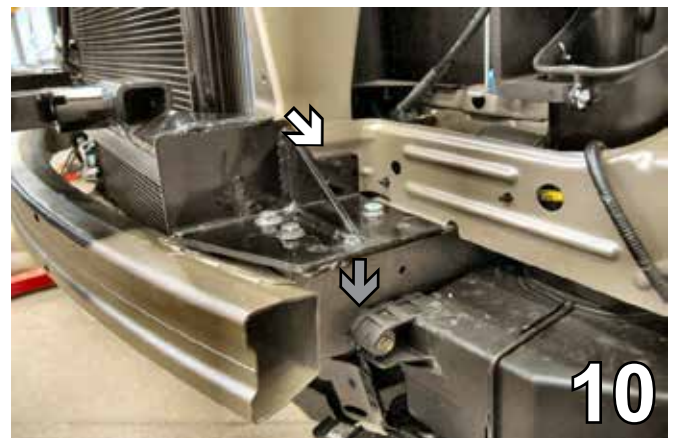
7. Using the 12MM socket, remove metric bolts from the top and bottom of metal bumper and set metal bumper aside to be reinstalled later. Set baseplate in place with drilled holes. Insert the 3/8"/14" nut plates into the frame end and start the 3/8-16 x 1 1/2" hex bolts and the 3/8" lock washers, do **NOT** tighten.



8. Slide the metal bumper between baseplate and frame to align with existing holes. Use the 3/8" flat washer between the metal bumper and the baseplate to level as needed, vehicles may vary. Tighten the 8MM-1.25 x 30MM hex bolts, 8MM lock washers, and the 3/8" flat washers on the top side and existing bolts on the bottom side. Do this to both sides of the vehicle. **BE SURE TO USE LOCTITE Red on ALL bolts.**



9. Tighten the bolts on the lower portion of the baseplate and all installed bolts in the top of the frame. Do this to both sides of the vehicle.



10. Align the nut plate with the drilled hole on the back side of the radiator support and tighten the 3/8-16 hex bolt and lock washer, as (white arrow). Do this to both sides of the vehicle. Using the 10MM socket, remove the metric bolt from the air baffle, (grey arrow), and pull the air baffle down away from the frame.

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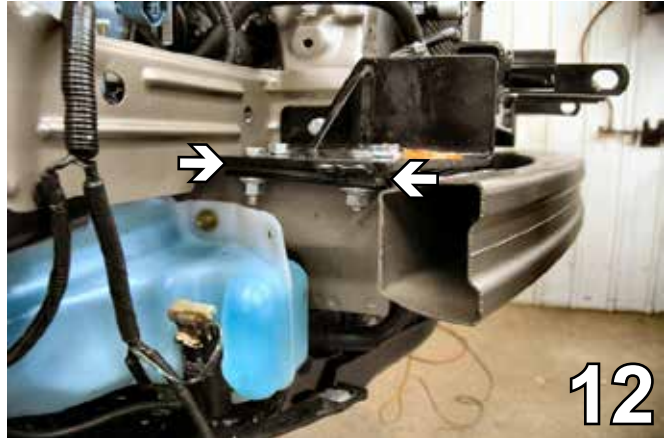
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11. Place the backing plate on the bottom side of the frame webbing to align with drilled holes, insert the 3/8-16 x 1 1/2" hex bolts and 3/8" flat washers into this hole, tighten the 3/8-16 hex nuts and 3/8" lock washers. Reinstall the air baffle to its original position.
13. Be sure ALL bolts on baseplate are tightened. Reinstall the headlight assemblies and the fascia, while assuring all electrical components are properly plugged in.

Baseplate Installation is now Complete.

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



12. Place the backing plate on the bottom side of the frame webbing to align with drilled holes, insert the 3/8-16 x 1 1/2" hex bolts and 3/8" flat washer into this hole, tighten the 3/8-16 hex nut and 3/8" lock washers.

Install the tow bar and safety cables according to the instructions included in their packages. 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 pin and clip are lost.

DEALER OR INSTALLER: BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEETS FOR THEIR PRODUCTS.

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Shown without Removable Tabs Installed.



Shown with 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.

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.

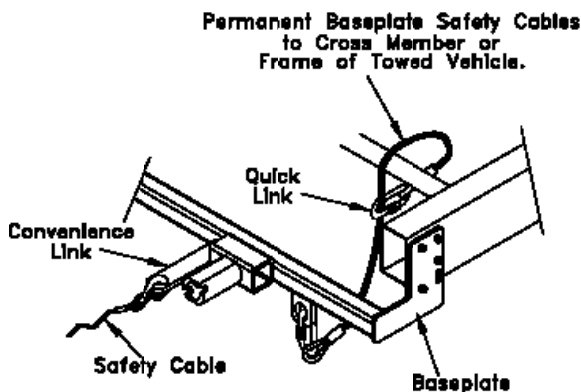
Permanent Baseplate Safety Cable Installation

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



OPTION #2

