



Strong As An Ox™

BX3224 Installation Instructions 2003 - 2008 Pontiac Vibe

Serial No.

The front fascia and windshield reservoir are removed for baseplate installation. Holes need to be drilled and lower grill will need to be trimmed or removed. The BX8869 is available for the vehicle. Attachment Tabs are 24 inches center to center and a height of 14 1/2 inches.



1. Remove phillips screw with rubber bumper using the phillips screw driver, both sides. On the top side of front fascia, remove three phillips push pins and two push pins from upper fascia opening.



3. Remove metric bolt inside wheel, on fascia's upper corner, with the 10MM socket or phillips screw driver.



5. Disconnect tubing and plug. Disconnect electrical couplers.



2. Just forward of front tire, on lower corner of fascia, remove two metric bolts with the 10MM socket or a phillips screw driver, both sides.



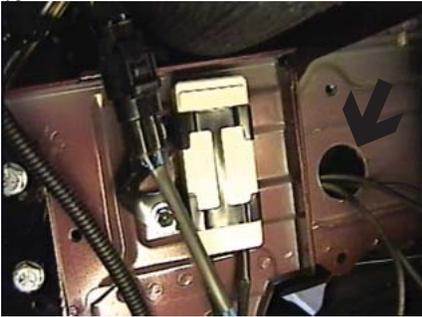
4. On the bottom of metal bumper, behind fascia, remove one push pin from fascia tab, both sides. Pull fascia forward and set aside.



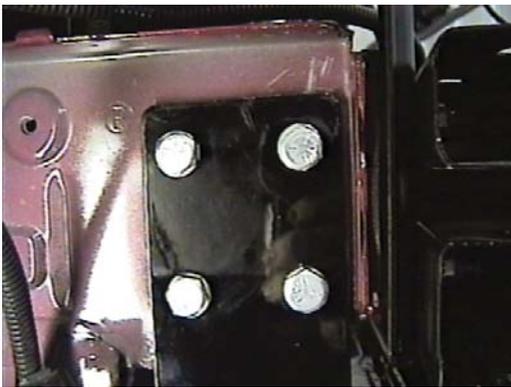
6. Using the 10MM socket, remove the three metric bolts for the windshield washer reservoir and set aside.



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7. Using either a 1 1/4" drill bit or hole saw, drill a 1 1/4" hole in frame, to gain access to inside of frame, both sides.



9. Using the baseplate as a template, drill four holes with the 13/32" drill bit, both sides. Insert item 2 into 1 1/4" hole, to align with drilled holes on the inside of frame. Tighten items 3 and 4 into item 2 on the four 13/32" drilled holes, both sides. **Be sure and use loctite on all bolts before tightening.**

10. Reinstall windshield washer reservoir. Align fascia to original position, mark, and trim fascia as needed, to allow openings for receiver tubes, convenience links, and electrical rods. **Note:** The grille inserts near the fog lights will have to be trimmed to accommodate the baseplate. (**Optional:** Remove clips from lower grill openings on the back side of fascia and remove lower grill.) Reinstall fascia.

11. The dimensional variations between otherwise identical cars can be considerable. While the location and size of the holes in the baseplate were designed to allow for easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.

12. Install the tow bar and safety cables according to the instructions included in their packages. Do **not** substitute other devices if the tow bar pin and clip are lost.

14. **DEALER OR INSTALLER: BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.**



8. Hold baseplate in place. Temporarily clamp baseplate to the bottom side of metal bumper, while holding a 3/4" space between the bottom of metal bumper and cross tube.





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Tools Required

Loctite Blue
9/16" Socket

13/32" Drill Bit
Vise Grips
Phillips Screw Driver

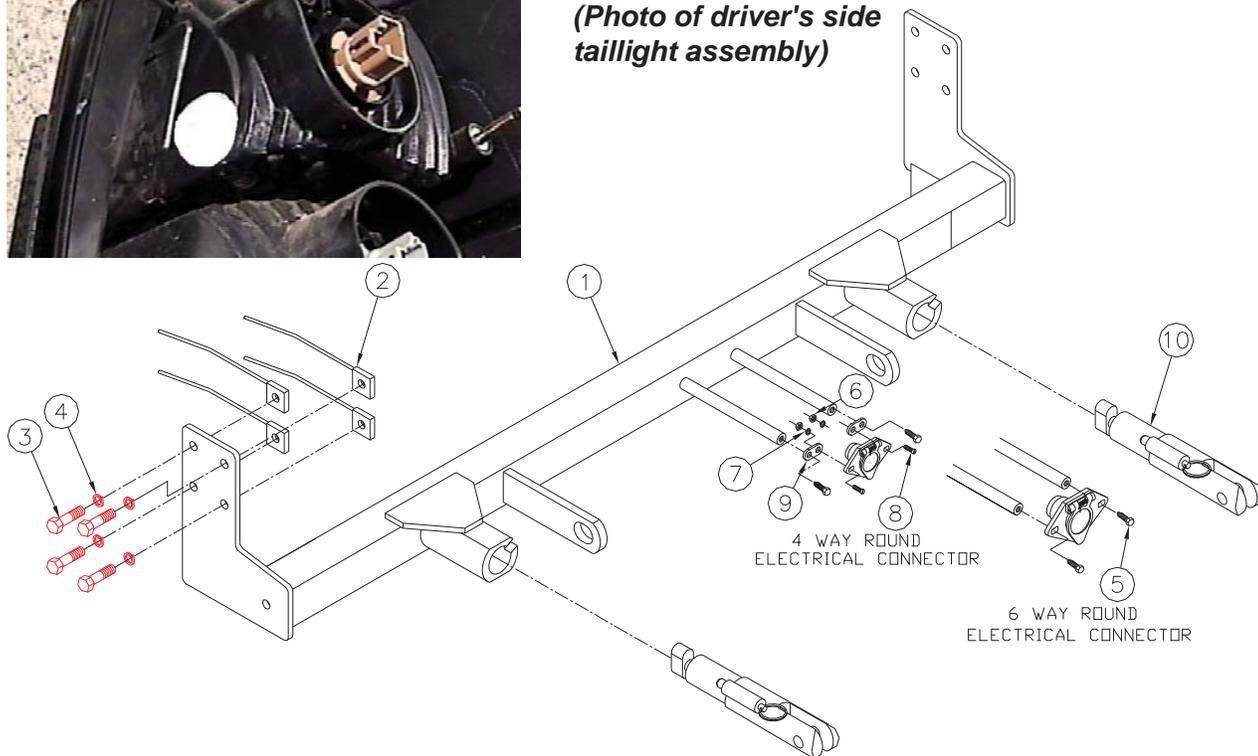
10MM Socket
1 1/4" Hole Saw

Parts List

Ref. No.	Qty.	Part No.	Description
1	1	61-5781	Weldment, Base Plate, BX3224
2	8	61-5208	3/8-16 Nut Plate
3	8	201-0368	3/8-16 x 1 1/4 Bolt, Grd. 5, ZP
4	8	203-0010	3/8 Lock Washer, ZP
5	2	201-0553	1/4-20 x 1/2 Hx. Wshd, Type F Screw
6	2	201-0192	#10-32 x 1/2 Slot, Rd. Hd. Screw
7	2	203-0054	#10 Lock Washer
8	2	202-0047	#10-32 Hex Nut
9	2	101-5822	Adapter, 4 Way Connector
10	2	62-3469	Attachment, Assembly, LB/ SF (R)
	2	226-0046	Baseplate Safety Cable, 36" CL III (Not Shown)
	2	229-0359	Quicklink, 3/8, ZP (Not Shown)
	2	290-0437	Receiver, Cap Plug (BLK) (Not Shown)



**Location of the BX8869
(Photo of driver's side
taillight assembly)**



IMPORTANT: Use only genuine factory replacement parts on your Base Plate. Do not substitute homemade or nontypical parts. If a bolt is lost or in need of replacement, for your safety and the preservation of your Base Plate, be sure to use a replacement bolt of the same grade (Usually Grade 5, refer to parts list). Repair parts may be ordered through your nearest **Blue Ox** dealer or distributor.