

BX3203 Installation Instructions 1989-91 Pontiac Grand Am

1. Read the General Instruction Sheet included in this package.
 2. This base plate attaches to the engine mount braces under the car and to the bumper mounts, using ten total bolts, eight of which are supplied with the base plate.
 3. Remove the center section of the grill by pulling up two tabs at the top and pulling out and up on the grill.
 4. Remove the headlight modules. The modules are attached with two thumb screws at the top of the module. Remove the thumb screws and pull the headlight up to detach. Unplug the wiring.
 5. Remove the two screws holding the side blinker lights and let the lights hang by the wires.
 6. Remove the large plastic cowling just above the bumper. Remove the two filler strips below the headlights along with the cowling.
 7. One side at a time, remove the three bolts that hold the bumper mount to the car and install the support bracket (Ref. # 4,12) on top of the existing bumper mount. Notches will need to be cut in the plastic filler panel between the bottom of the bumper and the car frame. Replace the two bolts on the outside of the mount with the 8 mm x 50 mm bolts (Ref. # 3) provided.
- Note: The car horns will need to be removed from the driver's side mount. Save the nuts used to mount them, they will be used later in the installation.
- Note: Tighten the six bumper mount bolts securely. You may have to loosen the bolts and adjust the supports later, but these bolts need to be tight to keep the bumper from moving out of position.
8. There are two plastic air dams which hang down under the front of the car. The smaller one to the rear of the car must be removed. Four bolts mount it to the frame.
 9. Two beams support the engine and transaxle. Place a jack under each beam and apply enough pressure to hold the braces in place when the two front bolts on each beam are removed.
 10. Remove the two front bolts from each support beam. They will not be used for the base plate installation.
 11. Using the four 12mm x 50mm bolts (8), flat (6) and lock washers (7) supplied, loosely bolt the base tube assembly to the car. Put the 5/8" thick round spacers (5) between the mount plates and the engine support beam.
 12. Align the holes in the top brackets on the base tube assembly with the holes in the supports (4,12). Use the four 1/2 x 1 1/4 bolts (9) and lock washers (10) to bolt them together. The supports may have to be loosened (one side at a time) and adjusted for alignment. When all bolts align, apply Locktite blue and tighten securely.
 13. The dimensional variations between otherwise identical cars can be considerable. While the location and size of the holes in the base plate were designed to allow for easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.
 14. Replace the small air dam. Notches will need to be cut to allow for the mount plates. The notches will need to be about 4 3/4" wide and 1" deep.
 15. Install the backing plates and horns on the bumper mounts. Reuse the nuts that held the horns on.
 16. Replace the plastic cowling, blinker lights, headlight modules, and grill center section.
 17. Install the tow bar and safety cables according to the instructions included in their packages.
 18. Do not substitute other devices if the tow bar pin and clip are lost.
 19. DEALER OR INSTALLER: BE CERTAIN USER RECEIVES INSTRUCTION SHEET.

Automatic

TOOLS REQUIRED

7mm socket
13mm socket
19mm socket

10mm socket
15mm socket
3/4" combination wrench

Locktite Blue
Jack

Parts List

Ref. No.	Qty.	Part No.	Description
1	2	102-3194	Flat, Backing Plate
2	4	203-0107	8 mm Flat Washer
3	4	201-0419	8mm-1.25 X 50mm Hex Bolt, Grade 8.8
4	1	61-3678	Weldment, Bumper Mount Bracket, D-Side
5	4	104-0367	5/8 Spacer Washer
6	4	203-0112	12mm Flat Washer
7	4	203-0105	12mm Lock Washer
8	4	201-0467	12mm X 1.75 X 50mm Hex Bolt, Grade 10.9
9	4	201-0011	1/2-13 X 1 1/4 Hex Head Bolt, Grade 5
10	4	203-0012	1/2 Lock Washer
11	1	61-3676	Weldment, Base Tube, BX3203
12	1	61-3677	Weldment, Bumper Mount Bracket, P-Side
13	2	203-0102	8mm Lock Washer
14	2	202-0118	8mm-1.25 Hex Nuts

