



**BX1903 Installation Instructions
1978-90 Dodge Omni
1978-90 Plymouth Horizon**

On some models, installation of this baseplate requires removing the front bumper assembly.

1. Read the General Instruction Sheet included with this baseplate.
2. The baseplate mounts to the front underside of the vehicle using ten bolts; three on each side and four in the center of the vehicle.
3. Remove the two bolts on each side which hold the bumper brackets to the chassis. These bolts are hidden by a plastic cover which can be moved out of the way by pulling it away from the chassis, off the press-on fasteners.
4. Remove the bolt on each side located directly behind the bumper brackets on the outside of the sheet metal frame of the vehicle. Note that the bolt on the passenger's side is located close to a plastic air canister and must be removed with an open end wrench. Inspect these bolts for reuse. See General Instruction Sheet.
5. Remove the four nuts which are in a straight line along the bottom center motor mount and remove the metal strip which holds the pressed in studs these nuts were on.
6. The dimensional variations between otherwise identical vehicles can be considerable. While the location and size of the holes in the baseplate were designed to allow easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.
7. Position the center bracket in front of the sheet metal where the motor mount bolts were and install the bolt strip through the center bracket and motor mount. Loosely secure with nuts previously removed. Use Locktite on all the bolts, but do not tighten yet.

1978 - 83 ALL MODELS/1984 ALL MODELS (except automatic transmission & air conditioning)/1985 & LATER (standard transmission)

Automatic

8. Assemble the baseplate to the center bracket with its upper brackets in front of the bumper brackets. If the bumper brackets have short outward turned flanges on them, position a spacer plate between the bumper bracket and the baseplate upper bracket at each mounting hole. Hand start the 8mm bolts which are provided with lock washers and flat washers.

1984 MODELS (automatic transmission & air conditioning)/1985 & LATER (automatic transmission)

9. Pull the bumper assembly straight forward and out of the vehicle. Remove the two loose limiter brackets.
10. Assemble the baseplate to the center bracket with its upper brackets against the vehicle where the limiter brackets were.
11. Reinstall the bumper assembly and hand start the 8mm bolts which were previously removed.

ALL MODELS

12. Position the outer brackets and loosely secure to the vehicle with the bolts which were previously removed. Note that the outer bracket for the passenger's side is cleared away for the air canister.
13. Attach the outer brackets to the baseplate with the remaining 1/2" bolts and lock washers which are provided.
14. When all bolts are started, snug them all up and then tighten them securely.
15. On models with a round tinnerman type fastener behind the bumper bracket, place a reinforcement bracket on the exposed threaded end of the outside bumper bracket bolt on both sides of the vehicle so that the bracket rests against the flat parts of the tinnerman type fastener. Install a flat washer, lock washer and nut as shown in the bolt sequence diagram and tighten securely. Other models with a square nut no not need reinforcement.
16. Reinstall plastic bumper bracket covers.
17. With all bolts properly installed, install the tow bar. Hold the tow bar in position with the tabs aligned inside the tabs of the baseplate and insert the pins. Slide the hairpin clip through the holes in the pins.
18. The dimensional variations between otherwise identical vehicles can be considerable. While the location and size of the holes in the baseplate were designed to allow easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.
19. Install the tow bar and safety cables according to the instructions included in their packages.
20. Do not substitute other devices if the tow bar pin and clip are lost.
21. **DEALERS AND INSTALLERS:** BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.

Tools Required

13mm socket
3/4 socket

15mm socket
13mm open end wrench

Parts List

Ref. No.	Qty.	Part No.	Description
1	1	61-3347	Main Baseplate Assembly
2	1	61-3348	Center Bracket
3	1	61-3349	Passenger's Side Bracket
4	1	61-3350	Driver's Side Bracket
5	4	102-2806	Spacer Plate
6	2	102-2807	Reinforcement Bracket
7	7	201-0051	1/2-13 x 1 1/2 Hex Bolt, Grade 5
8	4	201-0419	8mm-1.25 x 50mm Hex Bolt, Grade 8.8
9	2	202-0118	8mm-1.25 Hex Nut
10	7	203-0012	1/2 Lock Washer
11	6	203-0107	8mm Flat Washer
12	6	203-0102	8mm Lock Washer

E=Existing bolt

