



BX1924 Installation Instructions
1994-95 Chrysler Town & Country
1993-95 Dodge Caravan (LE, SE, ES Only)
1993-95 Plymouth Voyager (LE, SE, ES Only)

Installation of this baseplate requires removing the plastic bumper and the chrome grill above the fender. A portion of the bottom of the bumper will need to be trimmed and four 13/32" holes need to be drilled into the frame of the vehicle.

SPECIAL NOTICE: During tow testing of this vehicle we found that it may not track properly while turning through a sharp dip. The front wheels may stay in the turned position after the vehicle has come out of the dip and straightened out. If the van is towed for any distance with the front wheels still turned, damage to the tires and/or the front end of the van may result. Please be aware that this problem may occur and watch for it. For specific information call Automatic Equipment.

1. Read the General Instruction Sheet included with this baseplate.
2. The baseplate attaches to the center motor mount and the body frame using fourteen bolts, twelve of which are provided with the base plate.
3. The plastic bumper will first need to be removed. Underneath the van along the bottom of the bumper are six plastic panel fasteners that must be removed. There are also four panel fasteners along the splash guards in front of each tire that need to be removed. Remove the chrome grill above the fender. There are four screws, one in each corner, that may be removed with an Allen Wrench or a star screwdriver. Once the grill has been removed, there are six more panel fasteners that can be removed by reaching down through the space where the grill was previously. Lastly, there are two bolts on each end of the bumper. These bolts are attached to the bumper and go through holes in the side of the van. The nuts may be removed with a 10mm socket by reaching up from underneath, along the side of the van. The bumper is now ready to be removed. When removing, first pull outward on the ends of the bumper to clear the two bolts from the van.
4. Notice that the large black fiber inner bumper is attached to the van using two bolts on each end. The front supports of the baseplate will be attached on each end using the bottom holes. The bottom bolts will first need to be completely removed. These will not be used again. Begin by removing the nut from the bottom bolt and loosening the nut on the top bolt with a 15mm socket. When this is done, pull the bumper away from the van and notice the two thin internal tooth washers on the bottom bolt between the bumper and the van. Remove these by prying them away from the bumper with a screwdriver. They may then be twisted off using a pair of pliers. Remove the bottom bolt.
5. The appropriate front support can now be installed using a 3/8 x 1 1/2 bolt provided. It is recommended that Loctite be applied to the bolt threads and then inserted into the top hole of the support. Place two 3/8 flat washers behind the support and start the bolt through the bottom hole of the fiber bumper. Start a 3/8 flat washer, lock washer, and hex nut on the bolt. Repeat on the other end of the bumper. When both supports have been attached, fully tighten all four bolts. The plastic bumper can now be placed back onto the van. A small amount of the bottom of the bumper will need to be trimmed off with a utility knife to allow the bumper to fit properly over the just attached supports. The slot will be approximately two inches

Automatic

wide and two inches deep. Do not reinstall any of the panel fasteners at this time. The baseplate can now be installed.

6. Below and behind the bumper, in the center of the van, is an engine mount. The mount is attached to the body with three bolts, one in the bottom center and two in the upper part. These bolts will all be removed in the next step. The engine will need to be supported while the bolts are out. Place a jack under the engine near where the mount bolts to the engine. Put enough pressure on the engine to raise the front of the van about one inch.
7. Remove the nuts from the two bolts in the upper part. Save the two nuts, they will be used for reassembly. Remove the bolt in the front of the engine mount. As the bolt is loosened the engine mount should stay in place. If the mount moves away from the frame, put more pressure on the engine with the jack.
8. In the bottom of the center engine mount is a 5/8" hole. This hole will match up to the 5/8" hole in the center mount of the base plate. Slide the nut plate into the engine mount with the nut facing up and align the nut with the hole in the engine mount.
9. With help, position the baseplate under the front of the van. The two vertical brackets on the center mount should fit over the two bolts on the center engine mount and the 5/8" hole should align with the 5/8" hole in the engine mount. The brackets on either end of the baseplate should slide up inside the frame sheet metal. The center of the mount can be pried left-to-right to help alignment if necessary.
10. Start the 5/8" bolt and lock washer into the engine mount to hold the baseplate in position. Start the nuts on the two bolts at the rear of the mount. Start the 10mm x 70mm bolt, along with a lock and flat washer, through the hole just ahead of the 5/8" bolt. Also start the four 3/8 x 1 1/4 inch bolts down through the front supports and through the baseplate holes. The plastic around the supports may require more trimming to allow access for the bolts.
11. Four 13/32" holes will need to be drilled through the holes in the outer mounts into the frame of the van. Plastic covers will need to be partially removed on each side to allow access to drill. The baseplate can be used as a template or the hole centers can be transfer punched and the baseplate removed before drilling. If the baseplate is used as a template, apply Locktite to the eight bolts already started and tighten securely before drilling.
12. Drill the four holes and bolt the outer mounts to the van frame using the four 3/8 x 1 1/4 bolts, nuts, flat, and lock washers provided. Put the flat washers on the frame side of the hole. Locktite and tighten securely. After all bolts have been tightened, the bumper can be secured to the van with the panel fasteners and two bolts, and the grill can be reattached.
13. The dimensional variations between otherwise identical cars can be considerable. While the location and size of the holes in the baseplate were designed for easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.
14. Install the tow bar and safety cables according to the instructions included in their packages.
15. Do not substitute other devices if the tow bar pin and clip are lost.
16. DEALER OR INSTALLER: BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.

Tools Required

10mm Wrench	9/16" Wrench	15/16" Wrench
13mm Wrench	15mm Wrench	Drill and 13/32" Bit
13/32" Transfer Punch	Locktite Blue	Jack
Screwdriver	Pliers	Utility Knife

Parts List

Ref. No.	Qty.	Part No.	Description
1	1	61-3748	Weldment, Nut Plate
2	1	61-4436	Weldment, Baseplate, BX1924
3	1	102-4613	Flat, Front Support, DS
4	1	102-4614	Flat, Front Support, PS
5	1	201-0286	5/8-11 x 1 3/4 Hex Bolt, Grd. 5
6	8	201-0368	3/8-16 x 1 1/4 Hex Bolt, Grd. 5
7	2	201-0440	3/8-16 x 1 1/2 Hex Bolt, Grd. 5
8	1	201-0493	10mm-1.5 x 70mm Hex Bolt, Grd. 10.9
9	10	202-0003	3/8-16 Hex Nut
10	14	203-0003	3/8 Flat Washer
11	10	203-0010	3/8 Lock Washer
12	1	203-0013	5/8 Lock Washer
13	1	203-0103	10mm Flat Washer
14	1	203-0104	10mm Lock Washer
E	1		Existing Nut

