



**BX1609 Installation Instructions
1985-91 Chevrolet Astro Van
1985-91 GMC Safari Van**

1. Read the General Instruction Sheet included with this baseplate.
2. The baseplate mounts to the front underside of the car using eight bolts which are provided, four on each side.
3. Remove the front bolt only from the two brackets which hold the sway bar to the frame.
4. Remove the plastic air dam.
5. Remove the bumper from the side and frame mount brackets.
6. Remove the bumper frame mount brackets from the frame.
7. Three of the four Tinnerman fasteners which held the bumper frame mount brackets to each frame rail must be removed. The three are the inside lower and both outside fasteners on each rail. To remove the fasteners use a small screwdriver to pry the locking ring outward and then slide them off the frame.
8. Replace the two bumper frame mount brackets using previously removed bolts in the two remaining Tinnerman fasteners. See General Instruction Sheet. Use Loctite on all bolts and nuts but only snug them up at this time.
9. Assemble the bumper to the bumper frame mount brackets and the side mount brackets with the previously removed bolts and nuts. Tighten securely.
10. Two slots must be cut in the plastic air dam before it is replaced. The slots are 1 3/4" wide and 2 1/2" high, starting from the bottom of the air dam, with 22 1/4" between the inside edges of the slots.
11. Cut the air dam and replace it using the previously removed bolts.
12. Place one double nut plate and one single nut plate into the end of the frame rails, behind the holes in the bumper frame mount bracket. Access to this area is gained through the large round hole in the frame rails.
13. With an assistant, hold the baseplate in position so that the baseplate's upper bracket holes align with the bumper frame mount holes and the rear bracket holes align with the sway bar bracket holes.
14. Hand start the 3/8" bolts along with the lock washers through the baseplate and bumper frame mount brackets, threading them into the nut plates.
15. Hand start the 10mm bolts with lock washers through the baseplate and sway bar brackets, threading them into the frame rails.

Automatic

16. 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 easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.
17. When all bolts align, apply Loctite and tighten.
18. Install the tow bar and safety cables according to the instructions included in their packages.
19. Do not substitute other devices if the tow bar pin and clip are lost.
20. **DEALERS AND INSTALLERS:** BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.

Tools Required

10mm socket
3/4 socket

15mm socket
9/16 socket

17mm socket

Parts List

Ref. No.	Qty.	Part No.	Description
1	2	61-3355	Single Nut Plate
2	2	61-3356	Double Nut Plate
3	1	61-3455	Main Baseplate Assembly
4	2	102-2816	Square Backing Plate
5	6	201-0368	3/8-16 x 1 1/4 Hex Bolt
6	2	201-0410	10mm-1.5 x 35mm Hex Bolt
7	2	202-0111	10mm-1.5 Hex Nut
8	6	203-0010	3/8 Lock Washer
9	2	203-0104	10mm Lock Washer

