



BX3507 Installation Instructions  
1995-97 Geo Metro  
1995-98 Suzuki Swift  
1998-01 Chevy Metro

**SPECIAL NOTICE:** During tow testing of this vehicle we found that it may not track properly in specific situations. When making an especially sharp turn or pulling out with the wheels already turned, the steering wheel may begin to oscillate from side to side instead of centering itself in the straight ahead position. If towed for any distance like this, damage to the tires and/or front end of the vehicle may result. Please be aware that this problem may occur and watch for it. If it does, one possible solution would be to secure the steering wheel in the straight position with two bungee cords. Attach a cord to the right side of the steering wheel, over the steering column, and attach the other end to the floor at the left seat anchor. Run the other cord from the left side of the steering wheel and attach to the right seat anchor. It is not recommended to lock the steering wheel in the straight ahead position with the steering column lock. For specific information call Automatic Equipment.

Installation of this baseplate requires removing the bumper and the turn/parking light assemblies. Holes must also be drilled in the vehicle's tie down brackets.

1. Read the General Instruction Sheet included with this baseplate.
2. The baseplate mounts to the vehicle behind the bumper using eight provided bolts.
3. The bumper will have to be completely removed for the installation. Begin by removing each turn/parking light assembly with a small phillips screwdriver. Remove both screws on each side and pull the lights straight out. Unplug the wires from the back of the lights and set them aside.
4. Notice the horizontal bolt directly behind the light that bolts the bumper assembly to the car frame. Remove this bolt on each side with a 12mm socket and extension.
5. Open the hood and look between the headlights at the inside of the frame rails. Notice the horizontal bolt that holds the bumper assembly to the inside of the frame member. Use the 12mm socket and extension and loosen these bolts. They do not need to be completely removed.
6. Notice the thin metal stamped piece on the bottom center of the bumper that attaches the bumper to the frame. Use a phillips screwdriver to remove the vertical screw.
7. Remove the two phillips screws on each end of the bumper. One is on the top and attaches the bumper to the fender while the other is on the bottom and attaches the bumper to the splash guard, just in front of the tire. The bumper can now be removed by pulling straight forward on it.
8. Hold the clamp assemblies over the outside of the tie-down brackets. Note the relationship between the obrounds, the clamp must match the tie-down.
9. With an assistant, hold the baseplate into position. The end plates of the baseplate should set on the inside of the tie-down brackets. The flats welded to the end plates should set on top of the cross frame member. Start the 1/2 x 1 3/4 hex bolt through the center hole on each bolt and lightly tighten. Looking on the inside of the tie-down hooks, position the baseplate so the top edge of the end plates run parallel about 1/8" below the frame of the car. The holes on the welded flats should be on top of the cross frame member and centered on the front overhang. Adjust to achieve this and tighten the 1/2 bolt.
10. Slide the bumper back onto the vehicle to check your positioning. The attachment tabs should protrude through the top outside slots in the bumper and be centered. If further adjustment is necessary, do it at this time.
11. Remove the bumper and with a 13/32 transfer punch, mark the hole in the flats, and the FRONT hole on the end pieces of the baseplate. Do not mark the holes on the clamp assemblies and do not use the baseplate as a template for drilling. Remove the baseplate. The hole for the flats will need to be drilled from the bottom up. With a tape measure, transfer the location of the hole center to the bottom of the overhang. Center punch all four holes. Use a small starter bit and drill the four holes out. Be careful not to drill through the plastic coolant tank on the driver's side. The front hole in the tie-down brackets can be drilled from the inside out. Finish drilling the holes out with a 13/32 bit.

**Automatic**

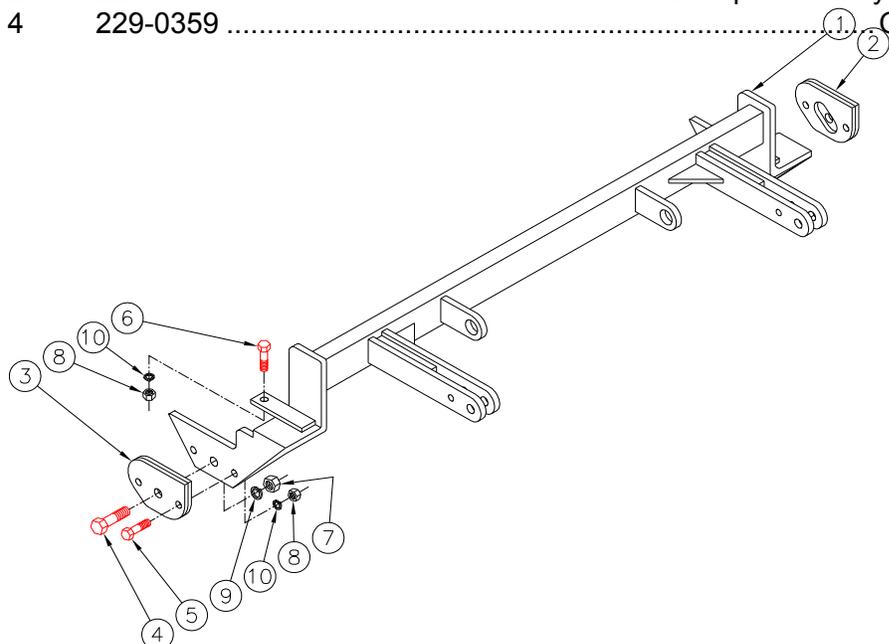
12. Reinstall the baseplate with the 1/2 bolts, as well as a 3/8 x 1 3/4 bolt in the two front holes of the clamp assemblies, and a 3/8 x 1 bolt in the flats. You may need to loosen the bolt in the side of the coolant tank with a 12mm wrench and pull it out of the way to start the 3/8 x 1 bolt. Start a nut on each bolt and tighten. Slide the bumper back on and check the tab location. If it is alright, remove the bumper and use the 13/32 transfer punch to mark the rear holes in the clamp assemblies. Be sure both bolts are in the clamp assemblies and tight.
13. Remove the baseplate, center punch the hole on the outside of the tie-down hook, drill with the starter bit, and finish with the 13/32 bit.
14. Reinstall the baseplate using all eight bolts this time. Apply Loctite to all bolt threads and be sure to include a lock washer against each nut. When all nuts are started, they may be fully tightened.
15. Tighten the coolant tank bolt and then reinstall the bumper and light assemblies.
16. 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 for easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.
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 THE USER RECEIVES THE INSTRUCTION SHEET.

**Tools Required**

Phillips head screwdriver	12mm Socket	12mm Wrench
Long extension	3/4 socket	3/4 wrench
9/16 socket	9/16 wrench	13/32 transfer punch
13/32 drill bit	center punch	Loctite Blue

**Parts List**

Ref. No.	Qty.	Part No.	Description
1	1	61-4577	Weldment, Baseplate, BX3507
2	1	100-0998	Clamp Assy., Drilled, DS, BX3507
3	1	100-0999	Clamp Assy., Drilled, PS, BX3507
4	2	201-0068	1/3-13 x 1 3/4 Hex Bolt, Grd. 5
5	4	201-0404	3/8-16 x 1 3/4 Hex Bolt, Grd. 5
6	2	201-0443	3/8-16 x 1 Hex Bolt, Grd. 5
7	2	202-0005	1/2-13 Hex Nut
8	6	202-0003	3/8-16 Hex Nut
9	2	203-0012	1/2 Lock Washer
10	6	203-0010	3/8 Lock Washer
	2	226-0046	Baseplate Safety Cable, 36" CL III (Not Shown)
	4	229-0359	Quicklink, 3/8, ZP (Not Shown)



# General Information

1. Ensure that your product(s) are registered online at [www.blueox.com](http://www.blueox.com). It is crucial to register your product(s) so that you may be alerted of product offerings, updates, upgrades, maintenance and safety bulletins, and/or recalls.
2. **It is the owner's responsibility to inspect all towing equipment for cracked welds, missing or worn parts and loose bolts before each towing trip.** Be sure to use Loctite® Red on all bolts and tighten to the recommended specifications.
3. **It is the owner's responsibility to hook up all towing equipment per manufacturer's instructions/recommendations.**
4. Remove the attachment tabs when not in use (if applicable).

## Notice To Baseplate Installer

### 1. It is YOUR responsibility to watch for:

- Oil cooler and air conditioner lines
- Electrical wires and hoses
- Missing parts or attaching points on the frame

\*\* If the baseplate is improperly installed and is against a wire or hose, it could cause fluid leaks or electrical shorts some time after the actual baseplate installation.

## Permanent Baseplate Safety Cable Installation

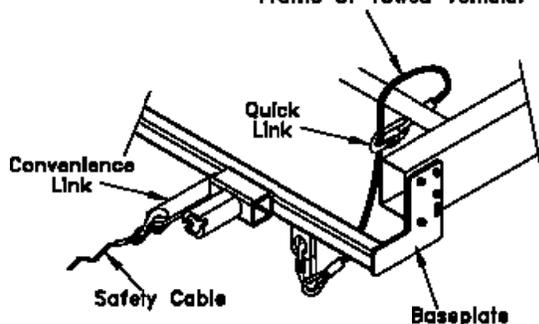
Permanent baseplate safety cables are strongly recommended when towing a vehicle with a tow bar. The principle function of the permanent baseplate safety cables is to prevent the towed vehicle from breaking loose in the event the connection between the frame of the towed vehicle and the baseplate fails or becomes disconnected. The cables must be connected from the baseplate to the frame rail or cross member of the vehicle's frame. The illustrations below show the possible arrangements recommended by Blue Ox®. Each permanent baseplate safety cable must have an adequate weight rating for the towing system. The weight rating of the two (2) cables together will not qualify.

***Do not mount the permanent baseplate safety cables against wires, hoses or brake lines.***

These permanent baseplate safety cables should remain installed as long as the baseplate is installed on the vehicle. Permanent baseplate safety cables are to be used in conjunction with, and NOT a replacement for legally required safety cables attaching the towed vehicle to the towing vehicle.

### OPTION #1

Permanent Baseplate Safety Cables to Cross Member or Frame of Towed Vehicle.



### OPTION #2

Permanent Baseplate Safety Cables to Cross Member or Frame of Towed Vehicle.

