



**BX1930 Installation Instructions
1996-97 Dodge Caravan
1996-97 Chrysler Town & Country
1996-97 Plymouth Voyager**

These vehicles weigh over 3500 lbs and require a Class III (5000 lbs) rated tow bar, hitch, and accessories. Utilization of Blue Ox baseplates with any tow bar not approved by Automatic Equipment Mfg. Co. invalidates the limited warranty.

Installation of this baseplate requires removing the bumper and the plastic air dam, both of which will need to be trimmed because of the baseplate. Holes will need to be drilled in the metal bumper.

1. Read the General Instruction Sheet included with this baseplate.
2. The bumper will need to be removed so the baseplate can be attached to the frame of the vehicle. There are five screws and two bolts on the top of the bumper and four bolts (two on each side) that connect the bumper to the side quarter panels. To get to these bolts, remove three of the phillips screws that hold the fender well molding to the bumper. You will need a 10mm wrench and a Phillips screwdriver. There are also ten push plugs on the bottom of the bumper that need to be removed. Disconnect the electrical connections to the lights before removing the bumper.
3. The black plastic air dam will need to be removed next. There are six bolts that will need to be removed. You will need a 10mm wrench for these bolts.
4. When the plastic bumper molding is removed, you will see a metal bumper with slotted holes in it. Center the baseplate (Item 1), left to right under the bumper and be certain holes in the braces (Items 2 and the center braces of the baseplate) extend over the cross frame of the vehicle to allow drilling and bolting. When the baseplate (Item 1) is centered correctly, mark and drill 17/32" holes.

<- <- BRACES -> ->
CROSS FRAME
5. The two braces that extend to the back frame will need to have 17/32" holes drilled also. Holes for the wire nuts will also need to be drilled. There are slotted holes that need to be drilled to 1" holes. There are two braces that extend from the outside of the baseplate to the outside edge of the frame. Bolt the braces to the baseplate and move them to the side of the frame, drill 17/32" holes.
6. Bolt the baseplate to the frame, once all the bolts have been started, and tighten. Be sure to use Loctite on all bolts to ensure that they will not loosen.
7. The air dam and bumper can now be replaced. Both will need to be trimmed because of the braces and baseplate. Start with the air dam and then the bumper.
8. Install the tow bar and safety cables according to the instructions included in their packages.
9. Do not substitute other devices if the tow bar pin and clip are lost.
10. **DEALER OR INSTALLER: BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.**

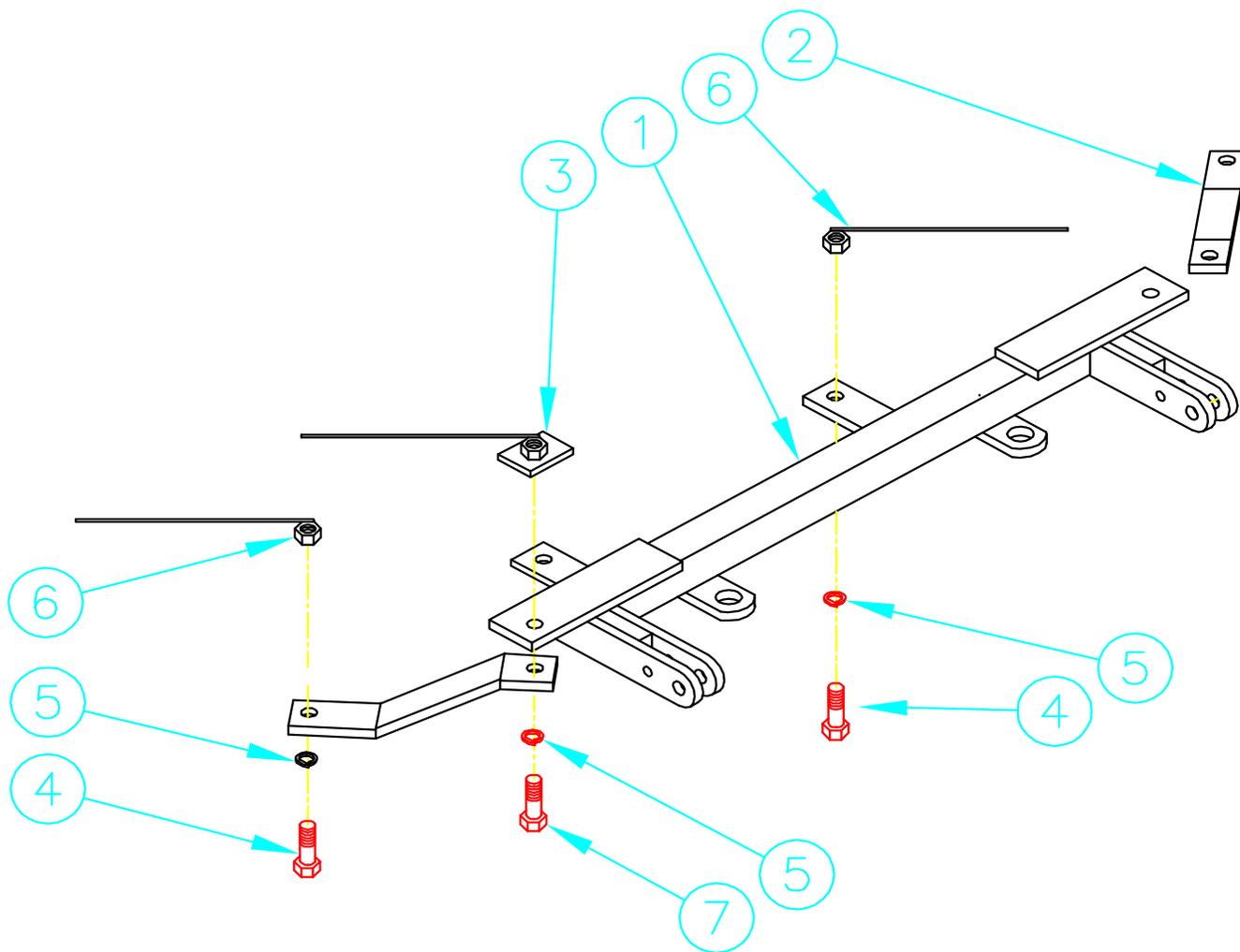
Automatic

Tools Required

3/4" Wrench
 Drill
 Center Punch

17/32" Drill Bit
 1" Drill Bit

Loctite Blue
 Tape Measure



Parts List

Ref. No.	Qty.	Part No.	Description
1	1	61-4966	Baseplate BX1930
2	2	102-5300	Side Brace BX1930
3	2	61-4931	1/2" Nut Plate
4	4	201-0011	1/2-13 x 1 1/4" Hex Bolt, Grade 5
5	6	203-0012	1/2" Lock Washer
6	4	61-4029	1/2" Wire Nut
7	2	201-0283	1/2-13 X 2" Hex Bolt, Grade 5

General Information

1. Ensure that your product(s) are registered online at 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

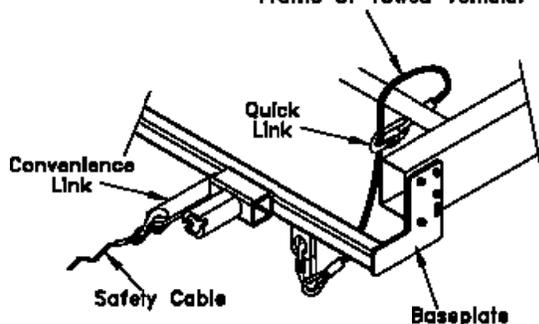
Permanent baseplate safety cables are strongly recommended when towing a vehicle with a tow bar. The principle function of the permanent baseplate safety cables is to prevent the towed vehicle from breaking loose in the event the connection between the frame of the towed vehicle and the baseplate fails 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.

