



INSTALLATION INSTRUCTIONS WARN FRONT RECEIVER

For: DODGE RAM, 2500 and 3500, +'03
Kit Number: 65370

WARNING

USE EXTREME CAUTION WHEN DRILLING ON ANY VEHICLE. MAKE SURE THAT ALL FUEL LINES, BRAKE LINES, ELECTRICAL WIRES AND OTHER OBJECTS ARE NOT PUNCTURED OR DAMAGED WHEN/IF DRILLING ON THE VEHICLE. THOROUGHLY INSPECT THE AREA TO BE DRILLED (BOTH INBOARD AND OUTBOARD SIDE OF FRAME) PRIOR TO DRILLING, AND RELOCATE ANY OBJECTS THAT MAY BE DAMAGED. FAILURE TO INSPECT THE AREA TO BE DRILLED MAY RESULT IN VEHICLE DAMAGE, ELECTRICAL SHOCK, FIRE, OR PERSONAL INJURY.

WARNING

WEAR SAFETY GLASSES WHEN INSTALLING THIS KIT.

WARNING

THIS RECEIVER KIT IS INTENDED TO BE USED WITH THE WARN MULTI-MOUNT FOR WINCHING. ANY OTHER USE OF THIS RECEIVER KIT COULD RESULT IN PROPERTY DAMAGE, INJURY, OR DEATH.

NOTE: This product has been designed to fit the 4WD truck mentioned above. This kit may or may not fit the same size 2WD trucks. This kit might not fit trucks with body lifts depending if the bumper has been lifted. This kit has been designed to provide the maximum strength, with a minimum amount of labor when installed as instructed. We strongly recommend that all fasteners be installed as instructed.

PARTS LIST

PART NO.	QUANTITY	DESCRIPTION
65641	1	Receiver Assembly
65355	4	7/16-14 Nut Assembly
63697	4	1/16" Shim Plate
36631	1	Receiver Plug

TOOLS REQUIRED

Measuring Tape	Small Hand Saw or Tin Snips
Ratchet, 5/8" Socket and 18mm Deep Set Socket	Drill with 3/8" and 7/16" drill bits
5/8" and 18mm (13mm for diesel) End Wrench	Torque Wrench

TORQUE SPECIFICATIONS

7/16 INCH

50 lb. ft. (67.8 N-M)

Note: Do not securely tighten any fasteners until directed later.

WARNING

Never fasten parts to this kit in a position that will interfere with or damage brake lines, electrical wires, fuel tank or other objects. Damage to vehicle brakes, electrical system, or other systems may occur if brackets are installed improperly, resulting in serious injury. Tighten all fasteners securely.

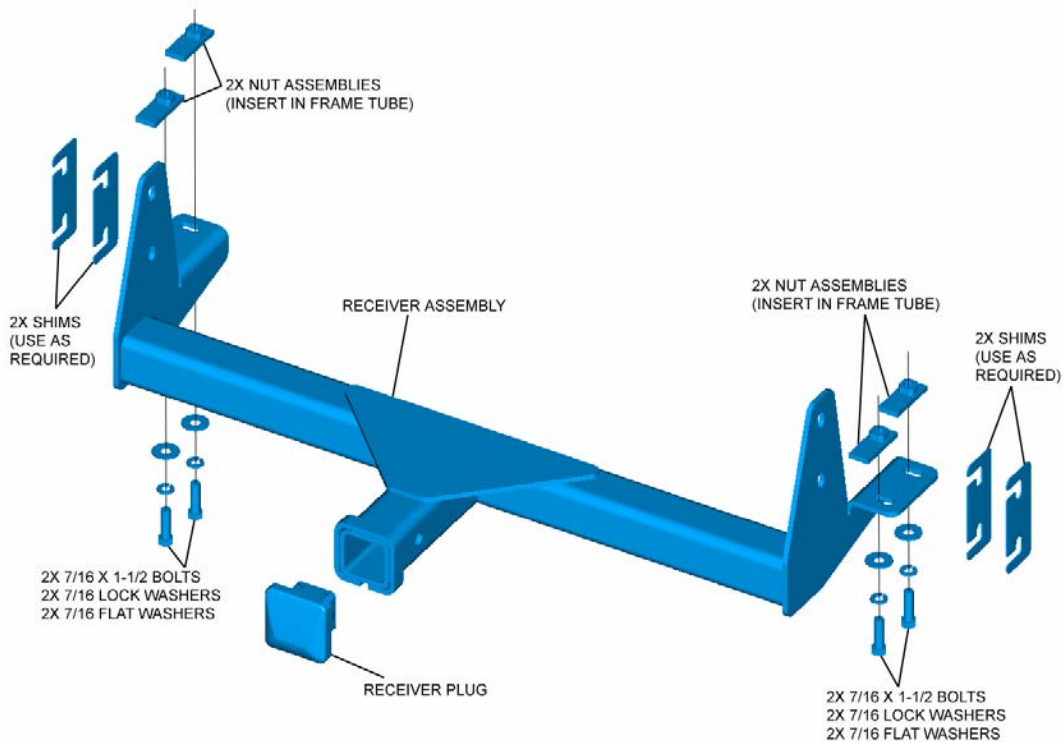


Figure 1

1. Disconnect the factory fog lamps if so equipped. Unplug the wires behind the left side of the bumper and disconnect the wire from the bumper.
2. Remove the bumper. Note the space between the headlights and the top of the bumper on each side; you'll want to adjust the bumper back to this spacing when you reinstall it. Remove the six (6) 12mm nuts (3 per side) that hold the bumper to the brackets then remove the bumper. **See Figure 2**
3. Remove the two (2) 12mm bolts that hold each bumper bracket to the frame tubes. If the vehicle is equipped with factory tow hooks, remove the inside reinforcing brackets.



Figure 2 Bumper retaining nuts, (outboard left side shown)

4. On diesel equipped vehicles it may be necessary to temporarily remove the upper intercooler retaining bolts and lift the intercooler enough to allow you to remove the 12mm bolts and bracket. Work on one side at a time. Remove the intercooler retaining bolt (requires a 13mm wrench) and lift the intercooler just enough to remove the bumper bracket bolts. Reposition the intercooler and reinstall the upper retaining bolt. Repeat for the other side. **See Figure 3**



Figure 3 Intercooler retaining bolt (diesel only, left side shown)

5. Pry the tab of the spacer out of the hole in the bottom of each frame tube. The top of each bracket is welded to the frame. Swing the bracket up by pulling forward on it. **See Figure 4**

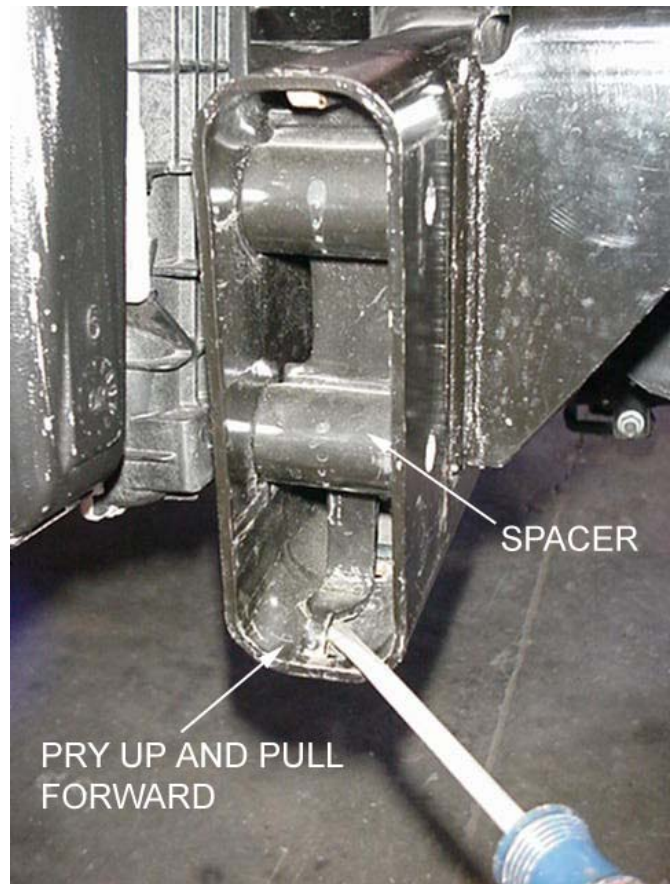


Figure 4 Spacer in frame tube (left side shown)

- Temporarily bolt the Receiver Assembly in place with the factory 12mm bolts. Clamp or hold it tight against the bottom of the frame tubes. **See Figure 5** Use the 1/16" spacers as required between the frame tubes and the Receiver Assembly.

- Drill two (2) 7/16" holes through the bottom of each frame tube. Use the slots in the Receiver Assembly as templates and drill through the center of each slot. **See Figure 5**

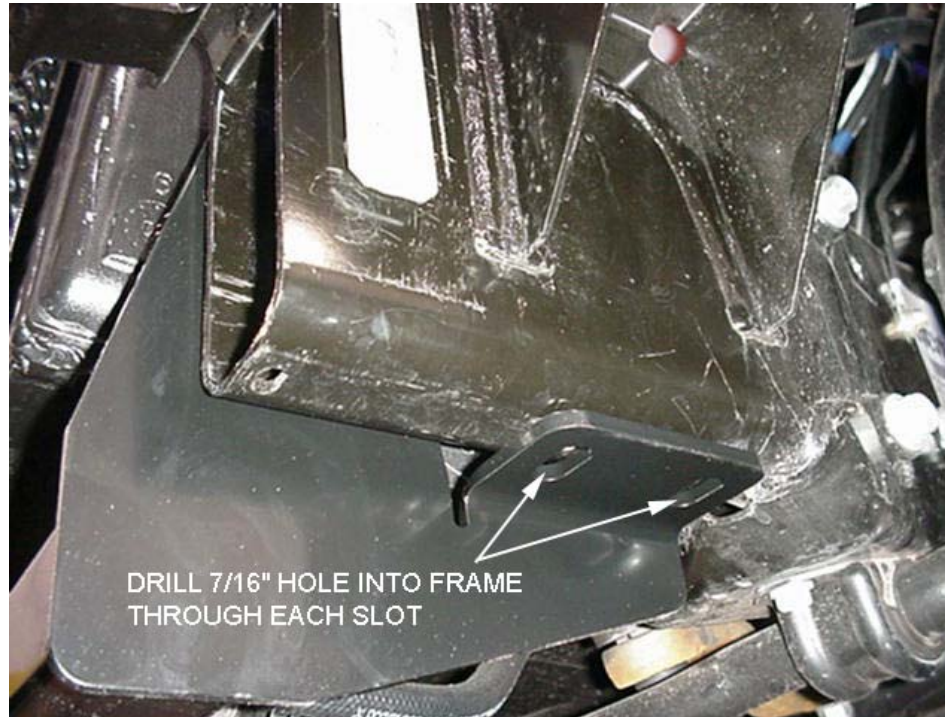


Figure 5 Receiver Assembly temporarily bolted in place (left side shown)

- Install a 7/16 x 1-1/2" bolt with lock washer and flat washer through each hole and thread into a 7/16" Nut Assembly inserted through the end of the frame tube. Do not tighten at this time. **See Figure 6**

- Remove the factory 12mm bumper bolts allowing the Receiver Assembly to hang by the four (4) 7/16 x 1-1/2" bolts. Note: the shims will be free to drop out at this point.

- Push the factory spacers back into position in the end of the frame tubes and reinstall the bumper brackets. Slide the brackets between the Receiver Assembly and the frame tubes. Insert up to two (2) Shims per side to take up the space between the Receiver Assembly and the bumper bracket/frame. If equipped with factory tow hooks, reinstall the inside brackets after the bumper brackets are in position. It may be necessary to enlarge the holes to insert the tow hook bolts as they will be forced inward by the thickness of the 1/4" receiver end plate. Re-install the factory bolts from the

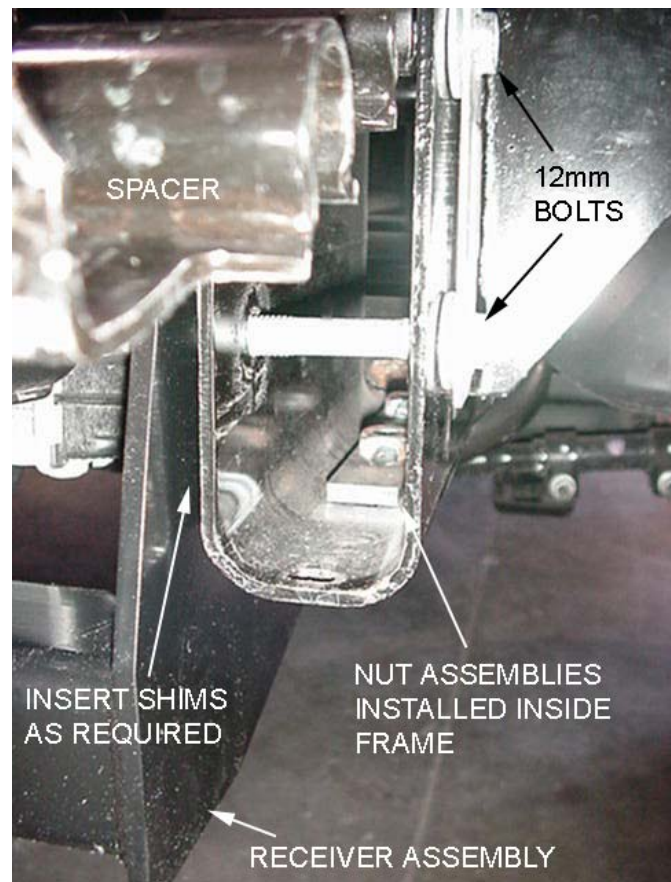


Figure 6 Nut Assemblies in place (left side shown)

outside of the frame tube.
See Figure 7. Insert Shims between the Receiver Assembly and the bumper brackets as required. Do not tighten at this time.

11. Cut a square hole in the air dam to accept the “receiver” part of the Receiver Assembly. The hole should be 3” x 3” and centered in the plastic air dam that forms the lower part of the bumper. An easy method is to measure and draw the square to be cut out on the air dam. Drill a 3/8” hole through each corner of the square than cut from hole to hole with a suitable saw or tin snips. Smooth rough edges with a file. **See figure 8**

12. Reinstall the bumper using the original six (6) nuts. Center the bumper left to right and tighten the nuts.

13. Adjust the bumper to match the original space to the headlights and tighten the bumper bracket/frame bolts.

14. Finally tighten the 7/16” bolts through the Receiver Assembly into the bottom of the frame.

15. Plug in the fog lamps and insert the Warn Receiver Plug.

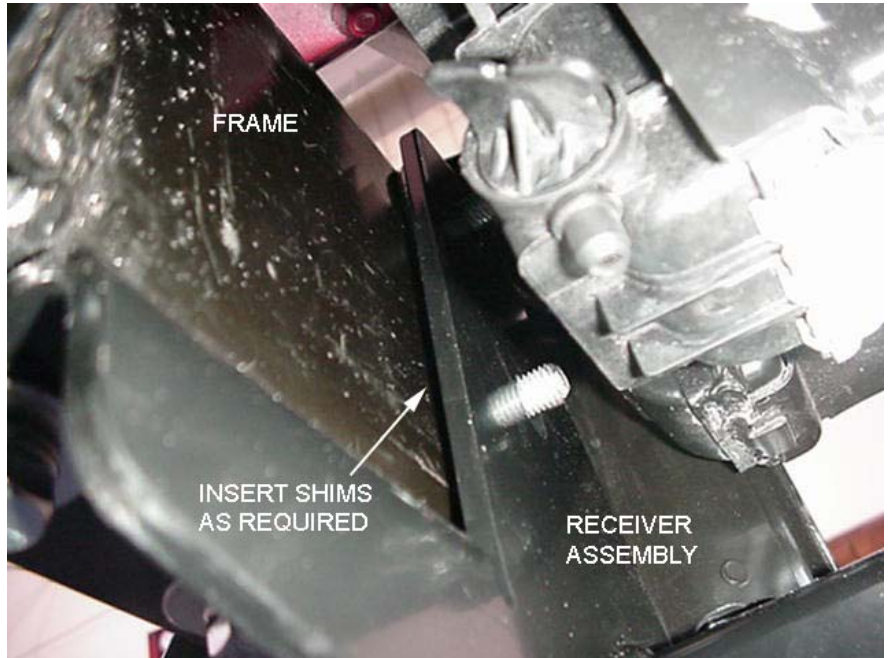


Figure 7 Insert Shims between Receiver Assembly and bumper bracket

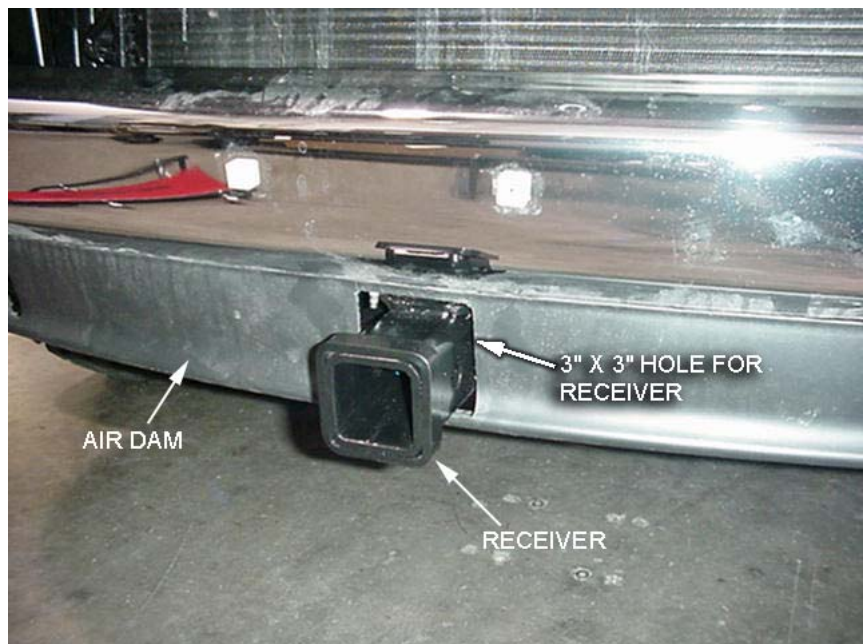


Figure 8 Front air dam and receiver