



INSTALLATION INSTRUCTIONS

Hidden Kit 63670 For Dodge RAM 1500 Trucks

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. WARNING and CAUTION are signal words that identify the level of hazard. These signal words mean:

▲WARNING signals a hazard that *could* cause serious injury or death, if you do not follow recommendations.

▲CAUTION signals a hazard that *may* cause minor to moderate injury, if you do not follow recommendations.

This guide uses *NOTICE* to call attention to important mechanical information, and *NOTE*: to emphasize general information worthy of special attention

▲CAUTION

ALWAYS COMPLETE EVERY STEP OF THE INSTRUCTIONS AS SPECIFIED. NOT DOING SO MAY RESULT IN VEHICLE DAMAGE OR PERSONAL INJURY.

▲WARNING

ALWAYS 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



DRILLING AND GRINDING OPERATIONS CAN CAUSE FLYING METAL CHIPS. **WEAR SAFETY GOGGLES.** FLYING METAL CHIPS CAN CAUSE EYE INJURY.

NOTE: PLEASE READ THESE INSTRUCTIONS THOROUGHLY BEFORE STARTING THE INSTALLATION OF THIS KIT. MINOR MODIFICATIONS MAY BE REQUIRED DUE TO VARIATIONS BETWEEN VEHICLES.

NOTE: VEHICLES EQUIPPED WITH FACTORY TOW HOOKS REQUIRE ADDITIONAL DRILLING AND/OR GRINDING TO REMOVE REINFORCING BRACKETS BEHIND THE BUMPER MOUNTS.

Vehicles equipped with factory tow hooks must have the reinforcing brackets removed from behind the bumper brackets. The reinforcing brackets are spot welded in place. The spot welds must be drilled out or ground out before the brackets can be removed. See Figures 1-3.

! WARNING	
	<p>DRILLING AND GRINDING OPERATIONS CAN CAUSE FLYING METAL CHIPS.</p> <p>WEAR SAFETY GOGGLES.</p> <p>FLYING METAL CHIPS CAN CAUSE EYE INJURY.</p>



Figure 1 Factory Tow Hooks



Figure 2 Tow Hook Reinforcing Bracket, LH

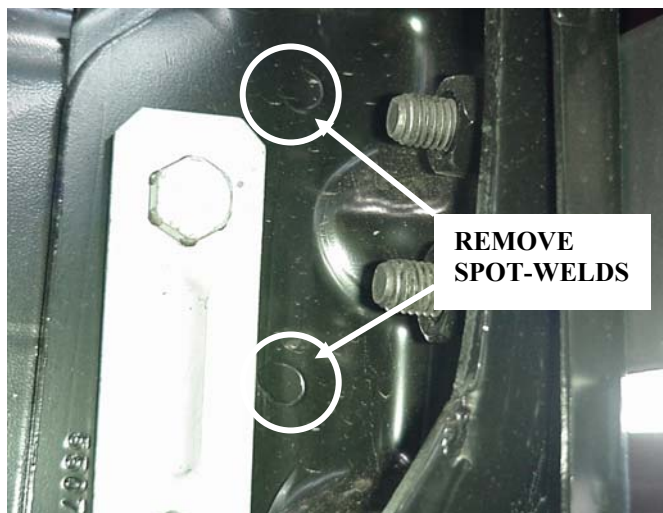


Figure 3 LH Reinforcing Bracket with welds highlighted

<u>BOLT SIZE</u>	<u>TORQUE SPECIFICATIONS</u>	<u>TORQUE</u>
1/4 inch		8 lb. ft. (10.9 N-m)
3/8 inch		30 lb. ft. (40.7 N-m)
7/16 inch		50 lb. ft. (67.8 N-m)
8mm		18 lb. ft. (24.4 N-m)
12mm		58 lb. ft. (78.6 N-m)

PARTS LIST

PART NO.	QUANTITY	DESCRIPTION
38573	1	License Plate Bracket
63759	1	Winch Mounting Bracket
63766	2	Fairlead Mounting Bracket
63771	1	Solenoid Mounting Bracket
63763	1	Frame Extension, LH
63762	1	Frame Extension, RH
63697	2	Shim Plate

1. Take note of the gap between the top of the bumper and the bottom of the grille and light area. Compare the driver side to the passenger side. Also note the side-to-side alignment of the bumper to the side of the truck.
2. Remove the bumper. **Note:** If your truck is equipped with factory lights in the bumper the wiring harness (located behind bumper, drivers side) will need to be disconnected before bumper is removed. See **Figure 4**. Remove the eight nuts securing the bumper, (four nuts per side), **Figure 5**. **Figure 5** shows the upper two nuts on the passenger side, the lower two nuts are located directly below and can be accessed from under the bumper.

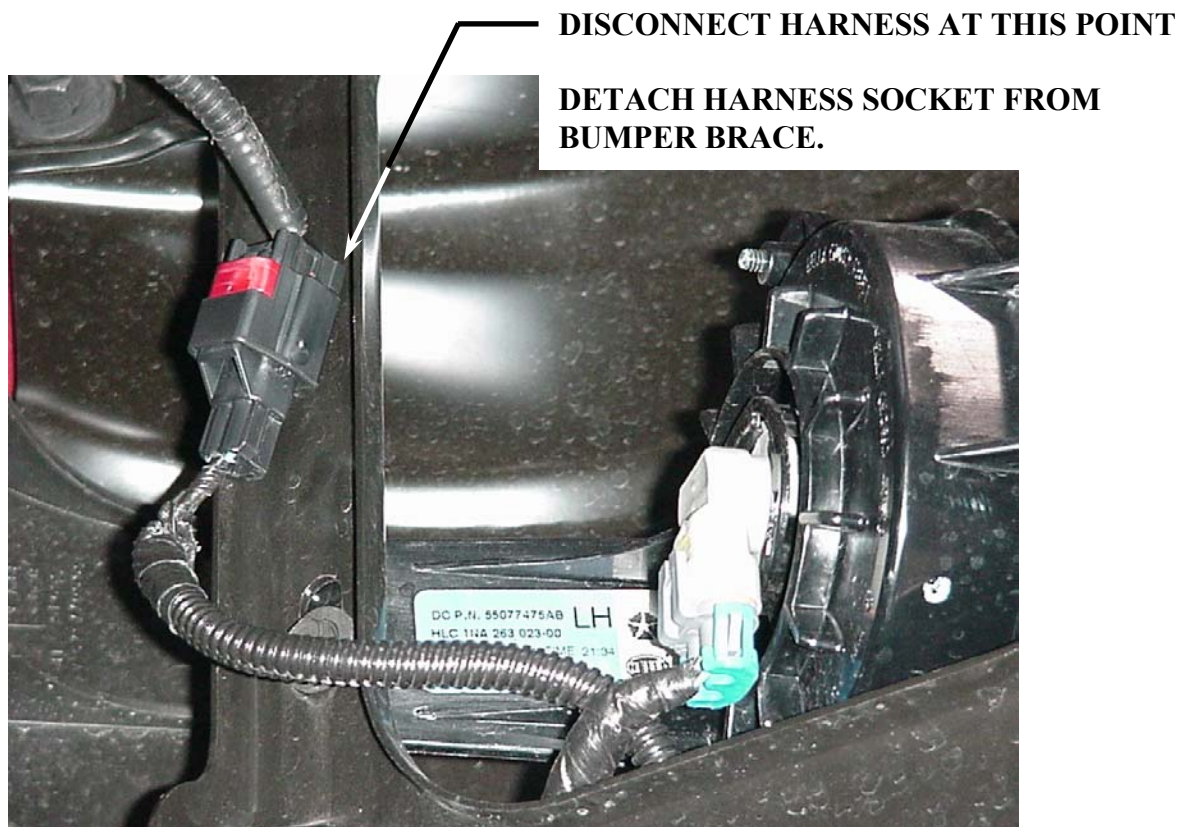


Figure 4

**UPPER BUMPER
NUTS**

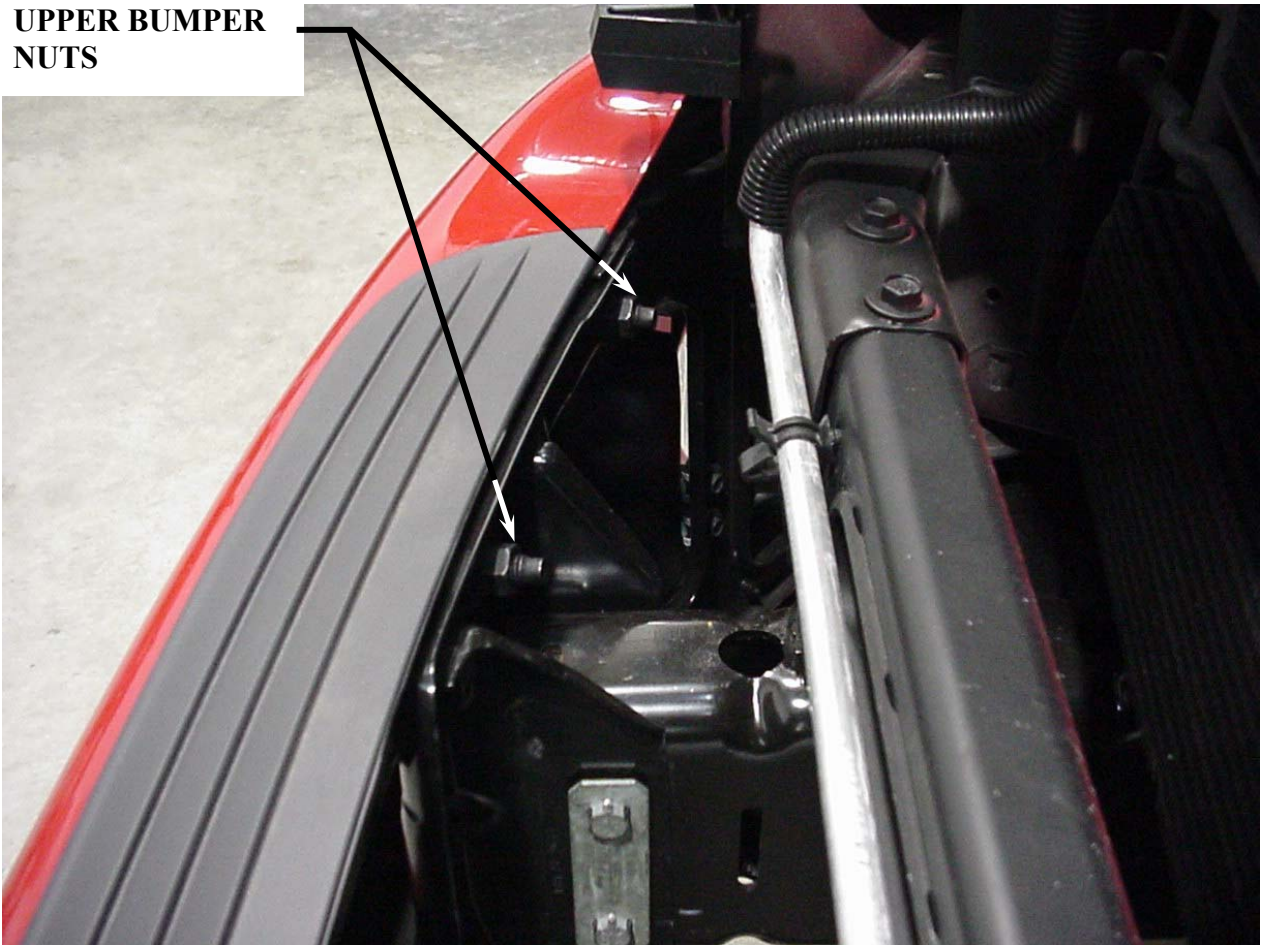


Figure 5

3. Remove the license plate bracket from the bumper.
4. While bumper is removed from vehicle it is a good time to remove the plastic fascia from the center slot of the bumper. Using a short Phillips screwdriver unscrew the (4) plastic fasteners securing the fascia and remove fascia from bumper, **Figure 6**. **NOTE: Try not to damage plastic fasteners. You will use these later to reattach plastic fascia.**
5. The fascia will need the center portion removed before reinstallation. First cut fascia into two pieces approximately at center. Then trim each half per the measurements. **Figure 7**

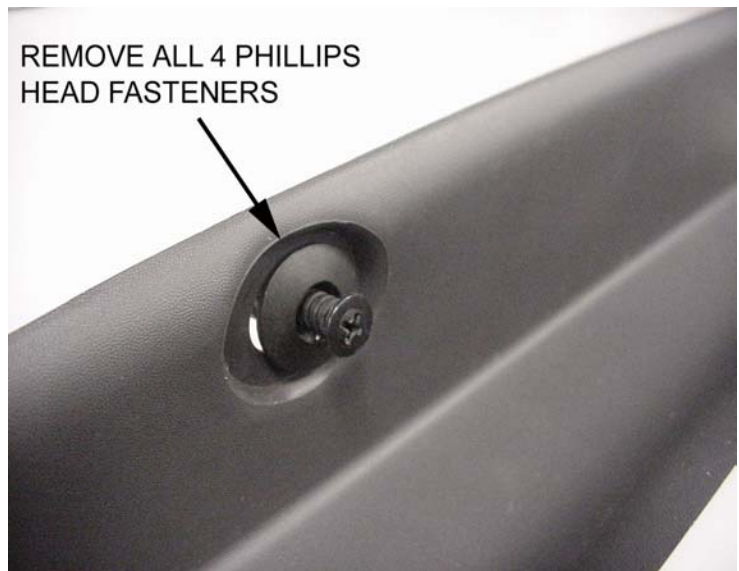


Figure 6



Figure 7

6. Take note of the distance between of the top of the bumper brackets and the upper support, (both sides), so the bumper brackets can be placed back into proper location if they are moved. **Figure 8**



Figure 8

7. Clamp the bumper brackets to the vehicle frame, and remove the bolt plate assembly. **Figure 9**

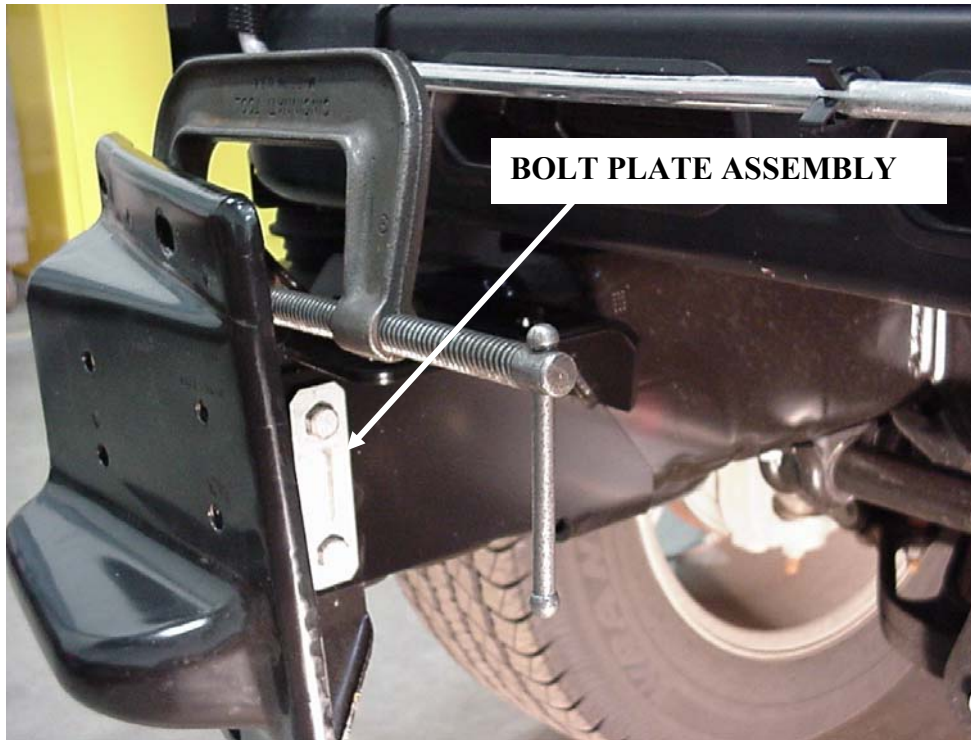


Figure 9

8. Install the frame extensions (passenger side shown), **Figure 10**. Tighten fasteners firmly but do not torque at this time, as kit may need adjusting. Install bolt plate assembly so the plate is toward the inside of frame (12mm nut out side of frame). Install 7/16" fasteners up through the frame extension into the frame and attach to the nut with stick, which is inserted up through the forward most hole in frame, **Figure 10**.

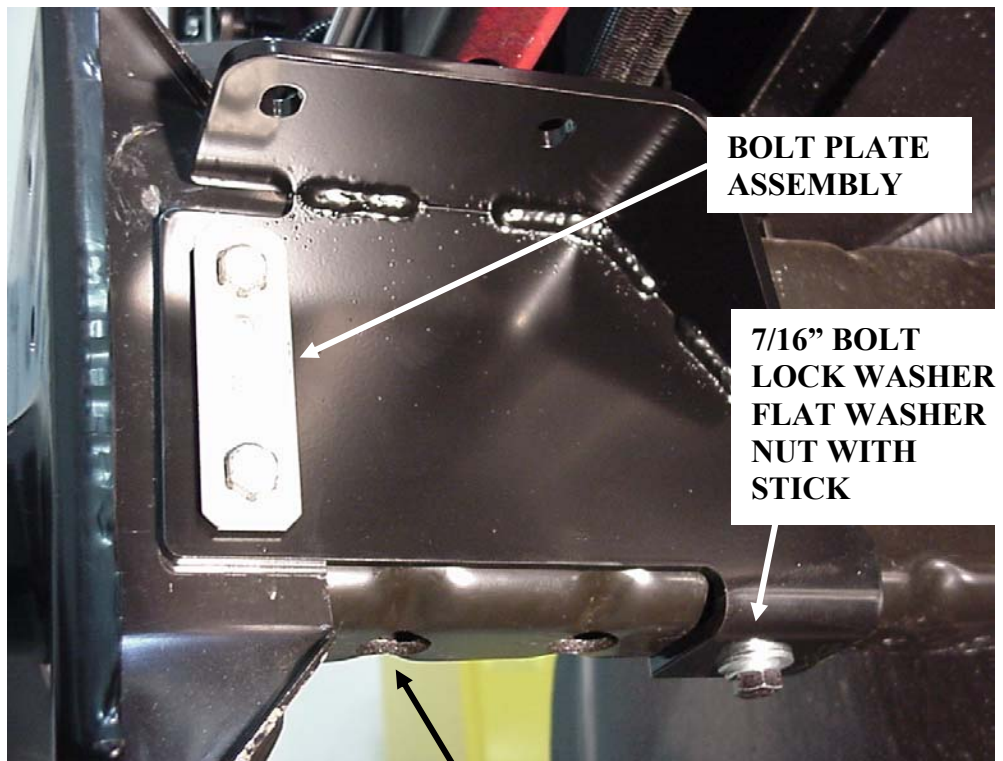


Figure 10

9. Attach the winch mounting bracket to the frame extensions, using the supplied 7/16

carriage bolts, lock washers and nuts, snugly tighten fasteners at this time (do not torque) as adjustment may be required. If kit needs to be lowered more then supplied slots allow, the supplied shims may need to be installed, **Figure 11**.

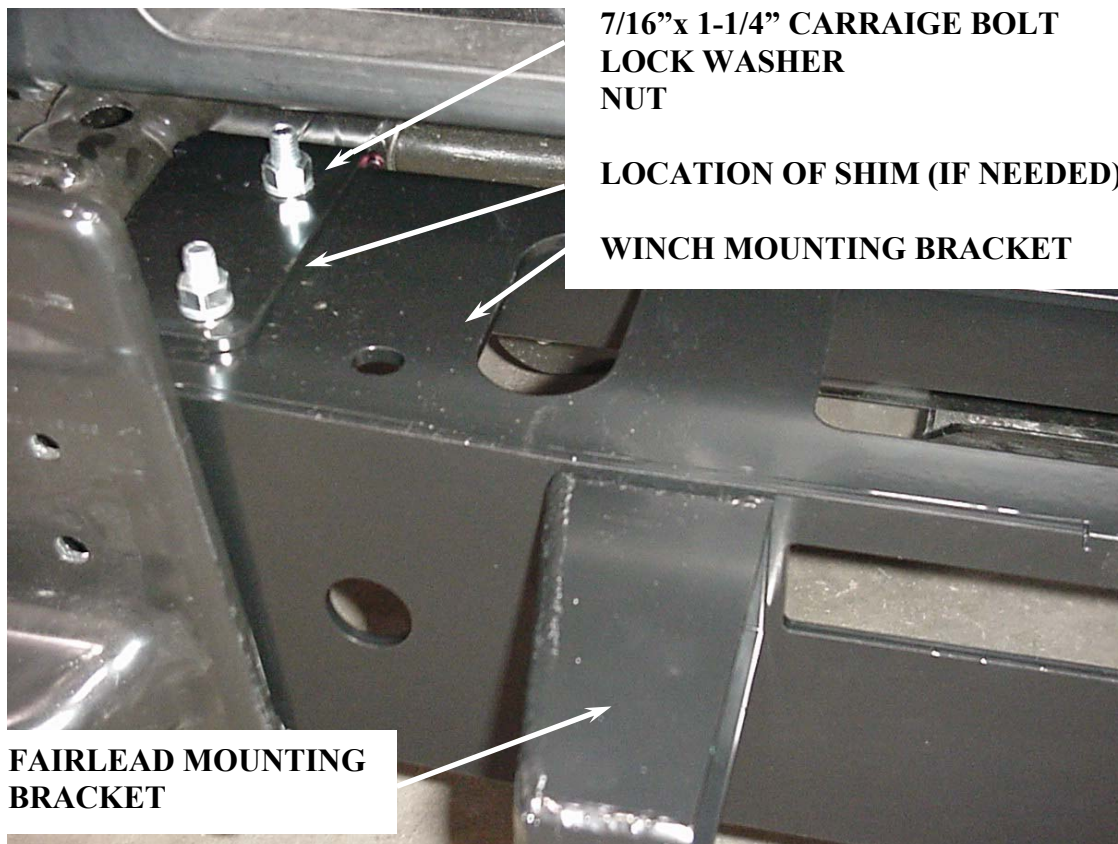


Figure 11

10. Install Fairlead Mounting Bracket to the Winch Mounting Bracket using the supplied 7/16" fasteners. Take care to maintain alignment between the Winch bracket and fairlead mounting bracket holes, **Figure 12**. Tighten to specified torque.



Figure 12

11. Minor modifications to the winch are required to make it compatible with this mount. First, replace the clutch handle with the special one supplied. Second, the clutch housing must be rotated two bolt holes clockwise, **Figure 13**. This is easy to do by removing the ten allen head screws, pulling the housing out about 1/8" and then rotating exactly two bolt holes. Reinstall and tighten the screws.

12. Mount the control pack to the control pack bracket. Use two of the supplied 1/4" nuts under control pack bracket as spacers, **Figure 14**. Note the orientation of the Control Pack Bracket in relation to the Control Pack cables.

13. Mount Control Pack; first remove stock fasteners then using supplied; 8mm bolt, 5/16" lock and flat washer, attach Control Pack, **Figure 15**.



Figure 13

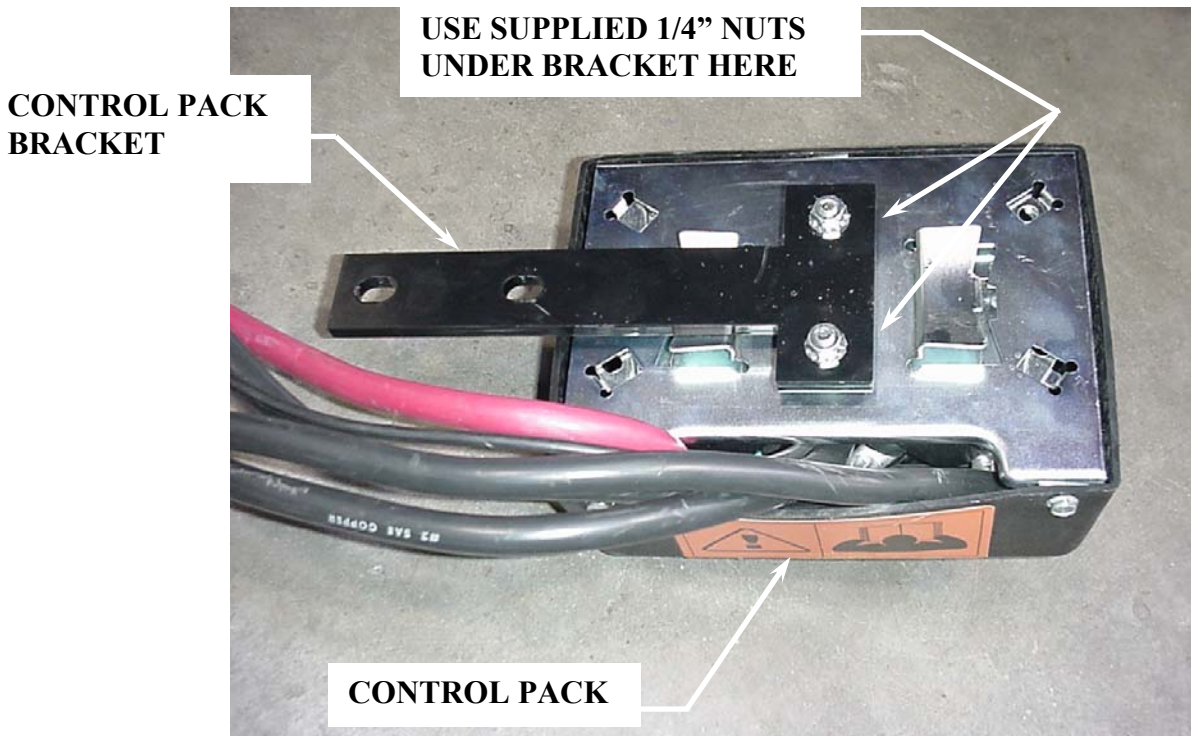


Figure 14

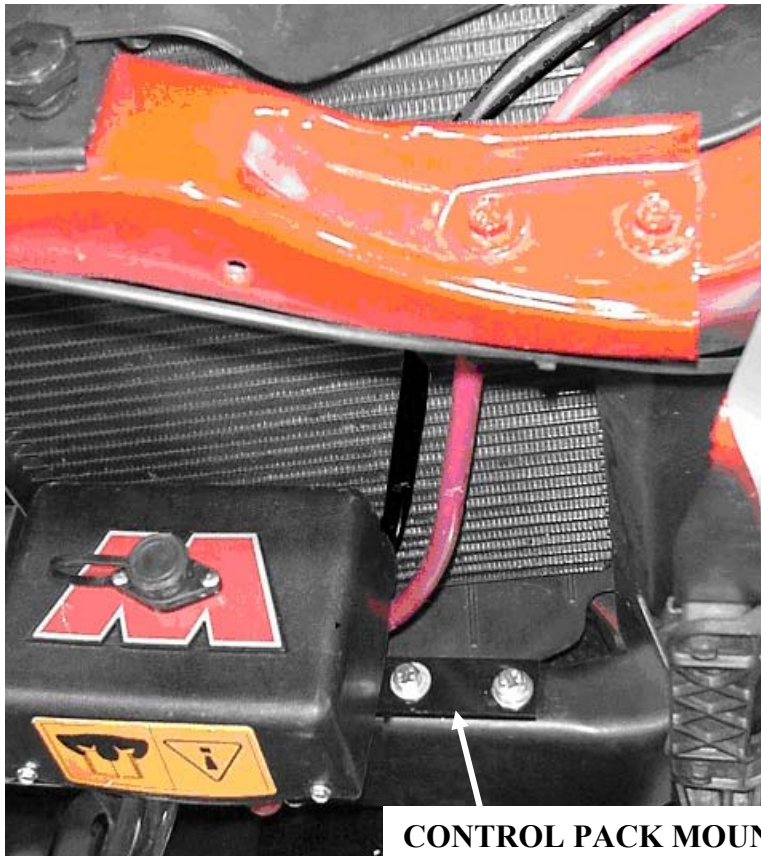


Figure 15

14. Install the winch, using $3/8'' \times 1-1/2''$ bolt in the upper two hole and $3/8'' \times 1-1/4''$ bolt in the lower two holes, **Figure 16**. Also see winch installation instructions supplied with winch. Tighten fasteners to proper torque specification.

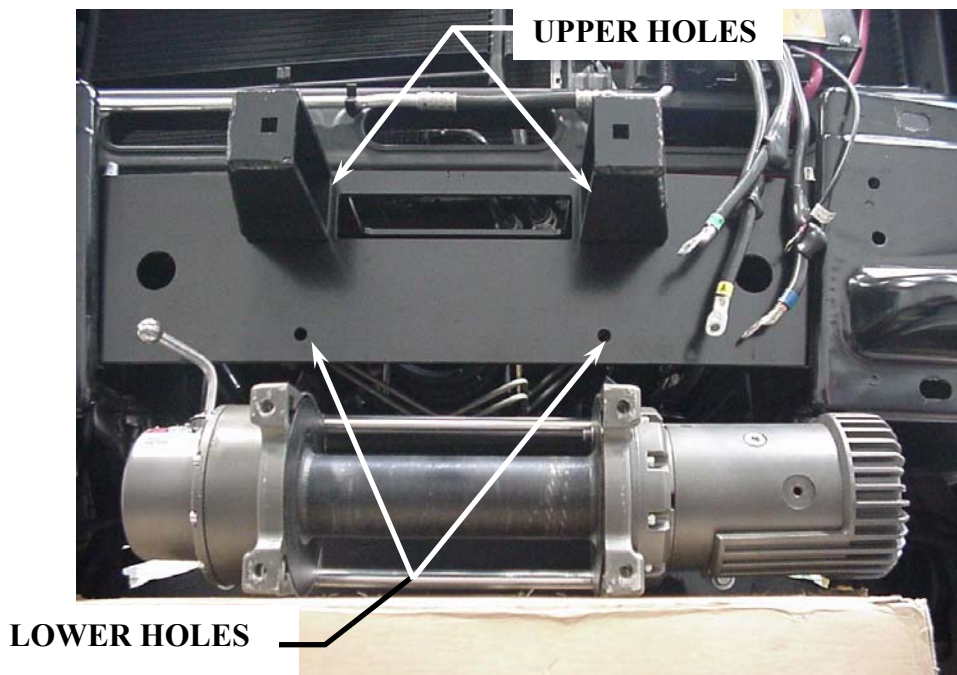


Figure 16

15. Refer to **Figures 15 & 17** for suggested electrical harness and power cable routing. **NOTE: Route the winch's power leads to the battery now (See winch instructions).**

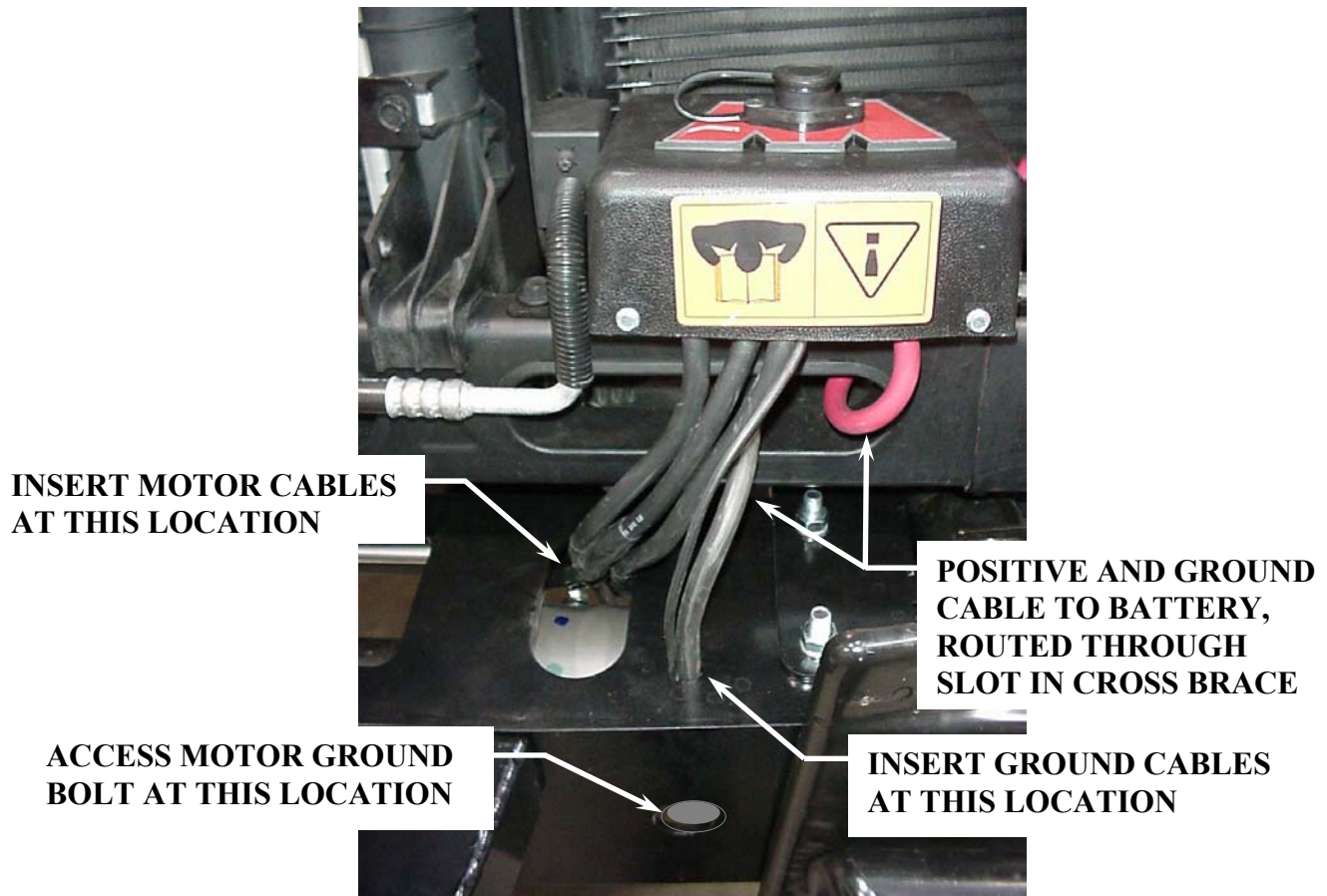


Figure 17

Note: Motor Cables are accessed from under the vehicle, Figure 18.

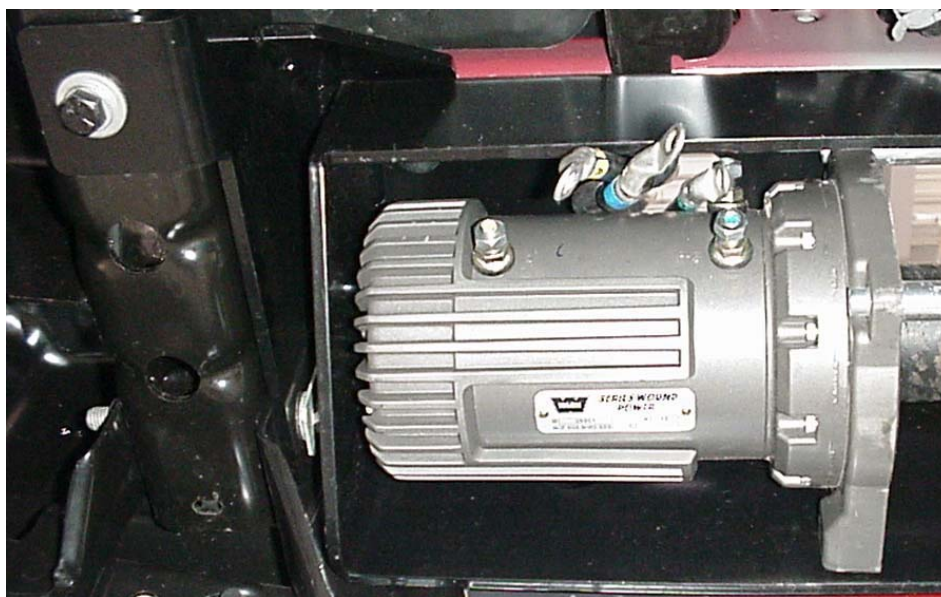


Figure 18

16. Reinstall bumper; Fairlead Mounting Brackets should protrude out through slot in bumper. Adjust bumper top to bottom and side to side to achieve desired fit. Securely tighten fasteners. Reinstall the trimmed plastic fascia pieces into bumper slot, using previously remove plastic fasteners refer to Figure 3. Reconnect any wiring or other items previously disconnected.
17. Install the roller fairlead and license plate mounting plate, using the supplied 7/16” carriage bolts, lock washers & nuts. Insert carriage bolt into fairlead brackets facing outward, then install license plate bracket, fairlead and remaining fasteners, torque to proper specification, **Figure 19**. Secure license plate with supplied 1/4” fasteners.

NOTE: CHECK TO ASSURE ALL FASTENERS HAVE BEEN PROPERLY TIGHTENED.



Figure 19