



# INSTALLATION INSTRUCTIONS TRANS4MER KIT

Part Numbers: 72620, 75505 Black and  
72621, 75510 Stainless Steel

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.

## **WARNING**

### **INJURY HAZARD**

**Failure to observe these instructions could lead to severe injury or death.**

- 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 (on both sides of material) 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.
- Always** wear safety glasses when installing this kit. A drilling operation will cause flying material chips. Flying chips can cause eye injury.
- Always** use extreme caution when cutting and trimming during fitting.
- Always** remove jewelry and wear eye protection.
- Never** lean over battery while making connections.
- Always** insure components will remain secure during installation and operation.
- Always** tighten all nuts and bolts securely, per the installation instructions.
- Always** replace all worn or damaged parts before operating.
- Never** operate this WARN product with damaged or missing parts.

## **Caution**

### **Moving Parts Entanglement Hazard**

**Failure to observe these instructions could lead to minor or moderate injury.**

- Always** take time to fully read and understand the Installation Instructions included with this product.

**Read installation instructions thoroughly.**

## **Notice**

### **Equipment Damage**

- Always** refer to the Operator's Manual, supplied in the winch kit, for all wiring schematics and specific details on how to wire the WARN winch product to your vehicle.

**Read installation and operating instructions thoroughly.**

This **WARN Trans4mer system cannot be installed without a Warn Winch Carrier (p/n 29394)**. The Winch Carrier serves as a necessary part of this mount. The system starts with this strong two-tube Grille Guard that attaches to the truck's frame with brackets designed by Warn engineers to handle up to a 12,000 lb. mid-frame winch. An accent cover is available to dress up the winch carrier. Finally, Brush Guards that protect the headlights and front corners of the truck that can be easily added to any of the options above.

## I. BEFORE YOU BEGIN

- Read and understand these Installation Instructions.
- Refer to **Figures 1 and 2** to become familiar with the components and hardware in this kit.

## II. PARTS LIST

<u>Part Number</u>	<u>Qty</u>	<u>Description</u>
72656	2	Spacer
72625	2	Side Member, black
72626	2	Side Member, stainless
72624	1	Frame Extension, RH
72623	1	Frame Extension, LH
72718	1	Bottom Bracket, RH
72717	1	Bottom Bracket, LH
72615	1	Frame Bracket, LH
72614	1	Frame Bracket, RH
72627	2	Diagonal Brace
73745	1	Light Bar Kit, Black
73753	1	Light Bar Kit, stainless
29366	2	2 ½" Tube, black
60326	2	2 ½" Tube, stainless
13222	2	Tow Hook, black
13223	2	Tow Hook, chrome
72723	1	Hardware Kit, black
72716	1	Hardware Kit, stainless

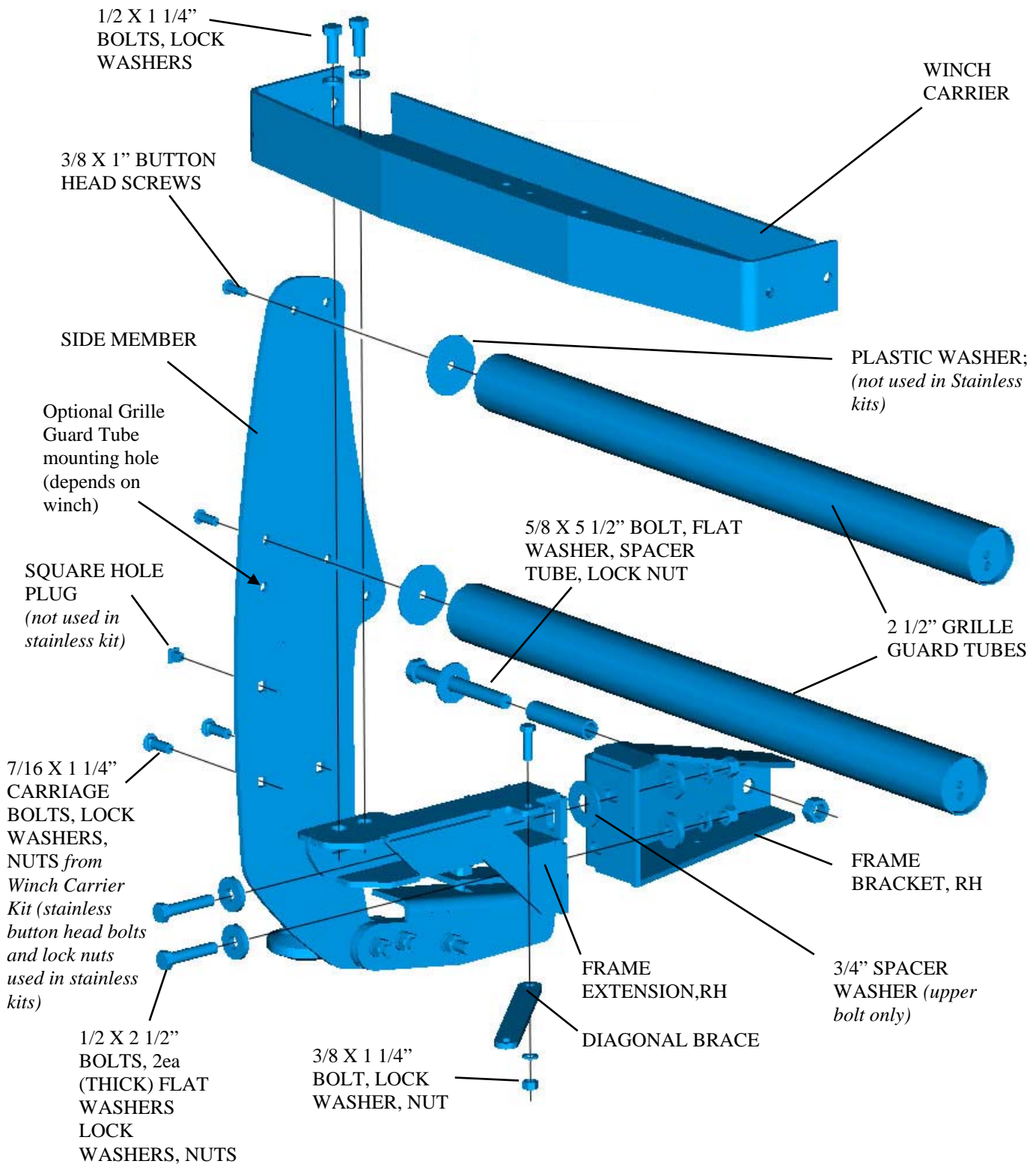
## III. TOOLS REQUIRED

15mm socket wrench	9/16" socket and end wrenches
21mm socket wrench	11/16" socket and end wrenches
7/32" hex socket (Allen) wrench	3/4" socket and end wrenches
1/4" hex socket (Allen) wrench for stainless kit	15/16" socket and end wrenches

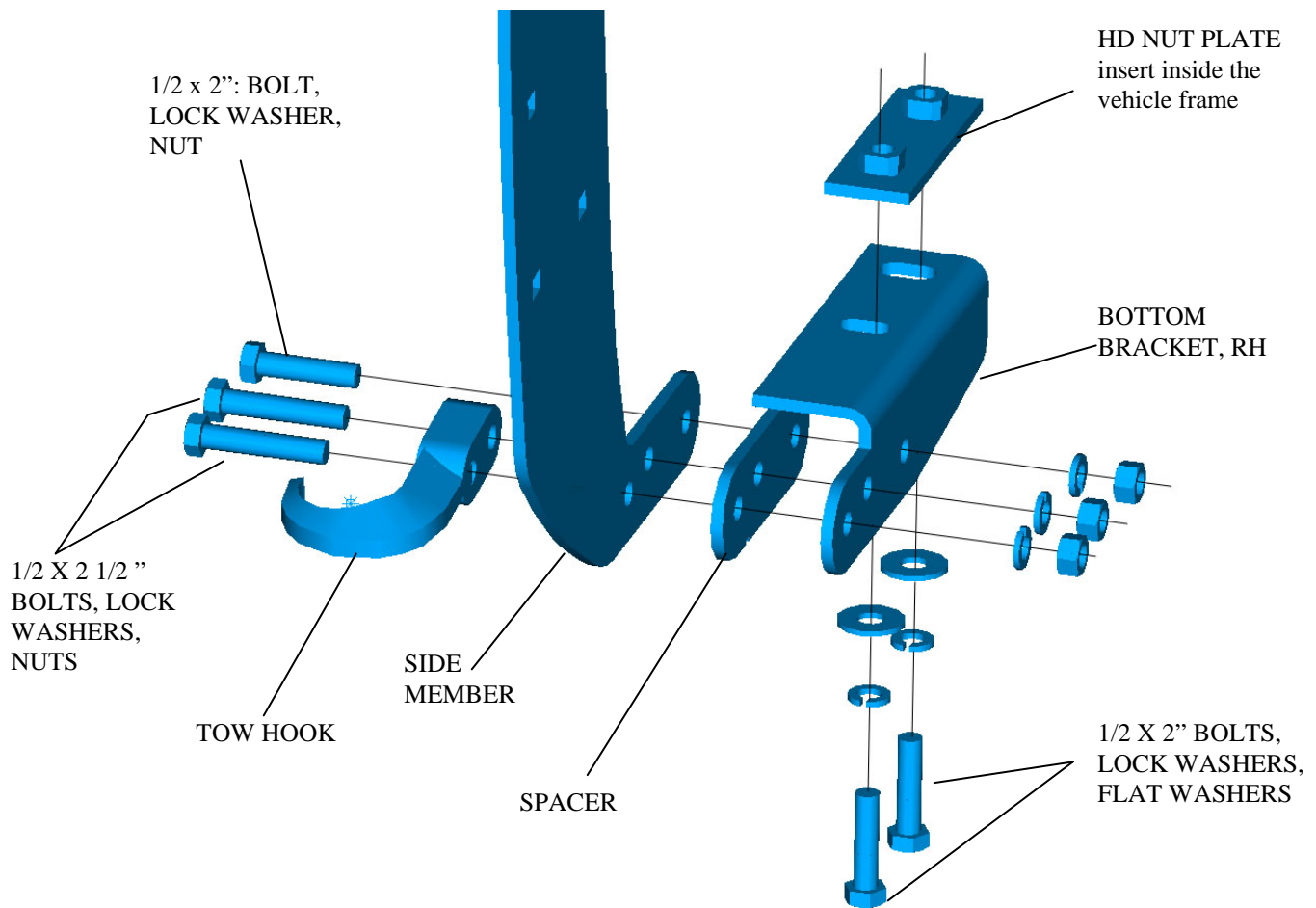
## IV. TORQUE SPECIFICATIONS

3/8" 30 lb. ft. (40.7 N-m)  
7/16" 50lb. ft. (67.8 N-m)

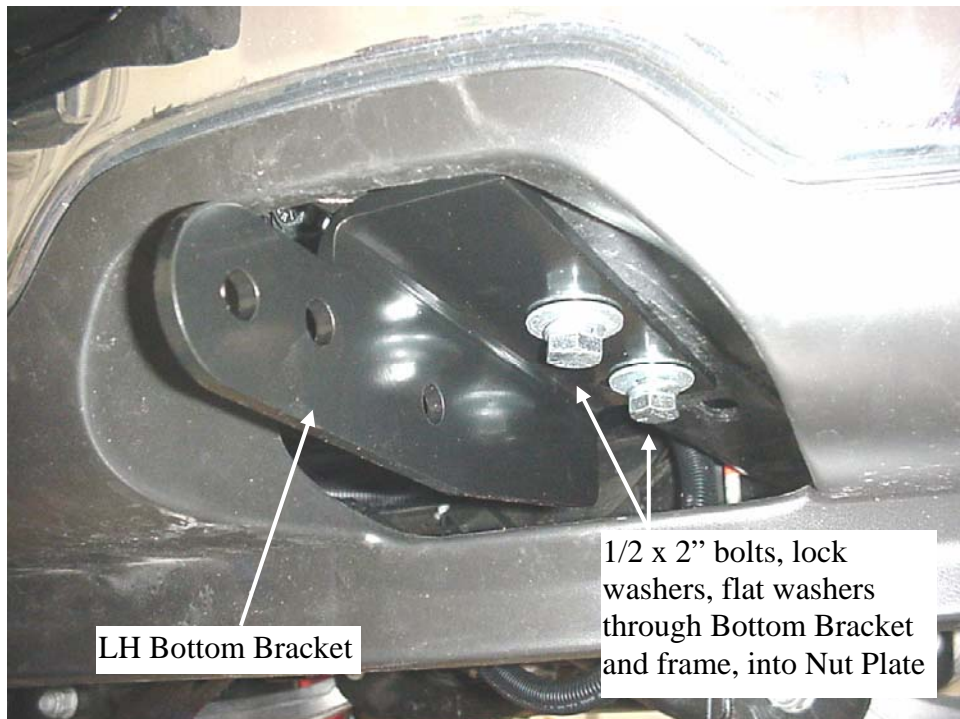
1/2" 70 lb. ft. (94.9 N-m)  
5/8" 150lb. ft. (203.4 N-m)



**Figure 1 Exploded view, right (passenger) side shown**



**Figure 2 Exploded detail, right (passenger) side shown**



**Figure 3 LH (driver side) Bottom Bracket**

## V. INSTALLATION

1. If the vehicle is equipped with factory tow loops, remove the two bolts securing each tow loop to the bottom of the frame. Remove the nut plates from inside the frame by sliding them forward and out through the frame ends, behind the bumper. A screw driver or wire may be helpful.
2. Install the heavy-duty Nut Plates provided, in place of the originals. Carefully slide the Nut Plates into the frame and align them with the holes in the bottom of the frame.
3. With the Nut Plates in place inside the frame, install the Bottom Brackets. Position the Brackets with the vertical leg inboard. Carefully thread 1/2 x 2" bolts, lock washers and flat washers. Be careful to not cross thread the bolts in the Nut Plates. Do not tighten yet. **See Figure 3**

NOTE: If the vehicle did not come equipped with factory tow loops, the plastic front valance must be trimmed for the Bottom Brackets, Spacers, Side Members and Tow Hooks. **See Figure 4.** Determine the center of the bumper and measure outward 15 3/8". Mark a rectangular opening 2 1/4" wide, located 1" down from the top of the plastic and up 2" from the bottom edge of the valance. Drill a 3/8" or larger hole to create each corner of the cutout. Cut from the outer edge of each hole to the next. This will leave an opening with rounded corners.

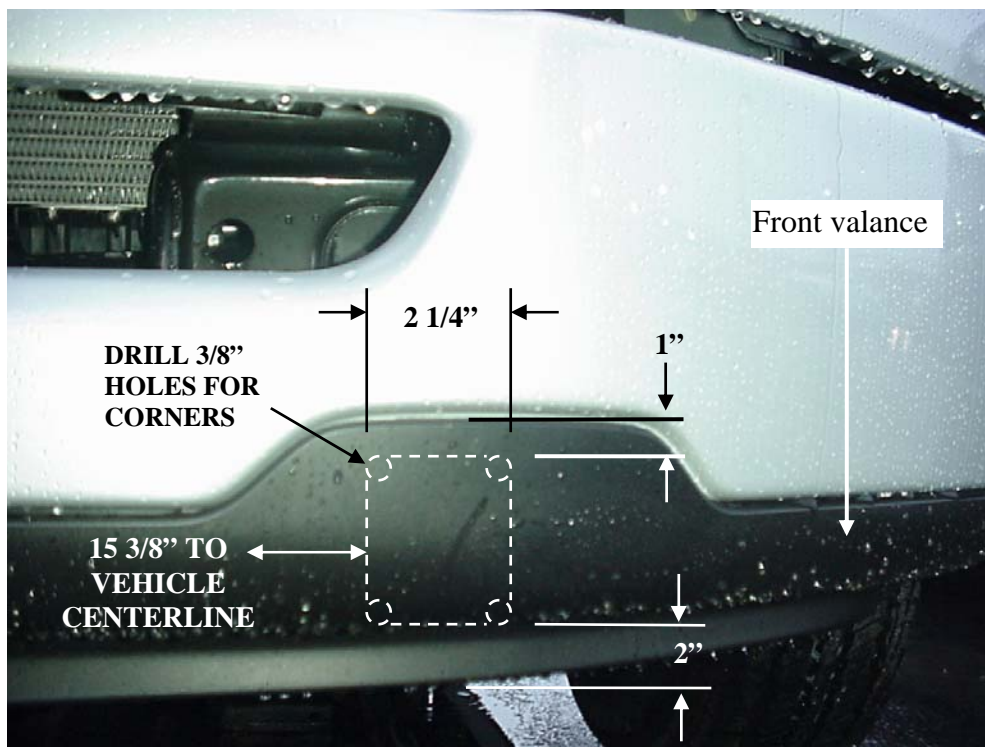
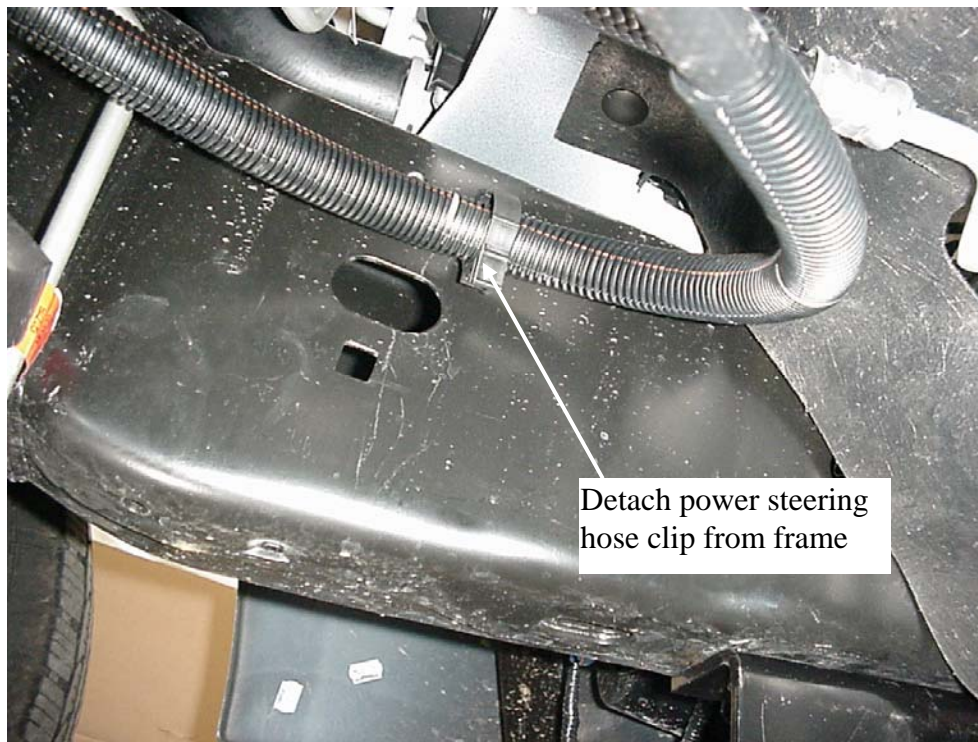


Figure 4 Recommended valance trim for vehicles without factory tow loops

4. Detach the rubber air deflector flap from the bottom of the bumper and roll back, out of the way. Do not damage the push-in fasteners as the deflector will be re-installed later.
5. Remove the clip that attaches the power steering line to the inside of the left hand (driver's side) frame rail. This will be attached to the LH Frame Bracket later. **See Figure 5**

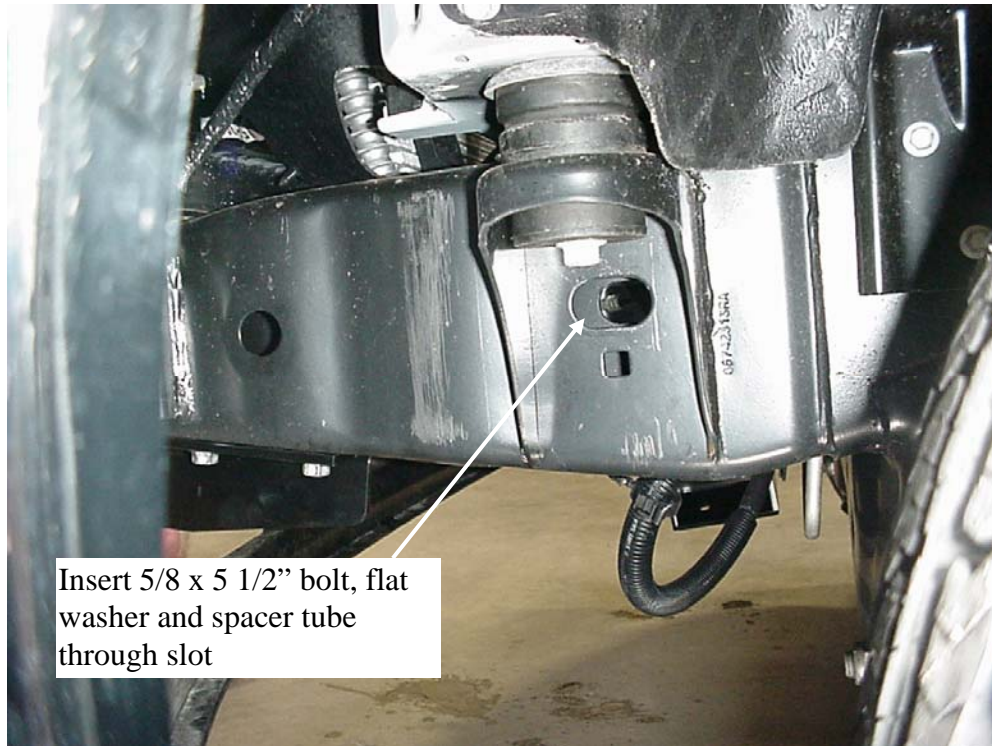


**Figure 5** Left (driver's side) frame rail, inside wall

6. Remove the inboard bumper bolt and nut (one per side). Do not remove the bumper. After the nut is removed, the bolt is still held in place by a retaining ring. Pry under the bolt head or tap out from the rear to free the bolt from the bumper bracket. **See Figure 6**

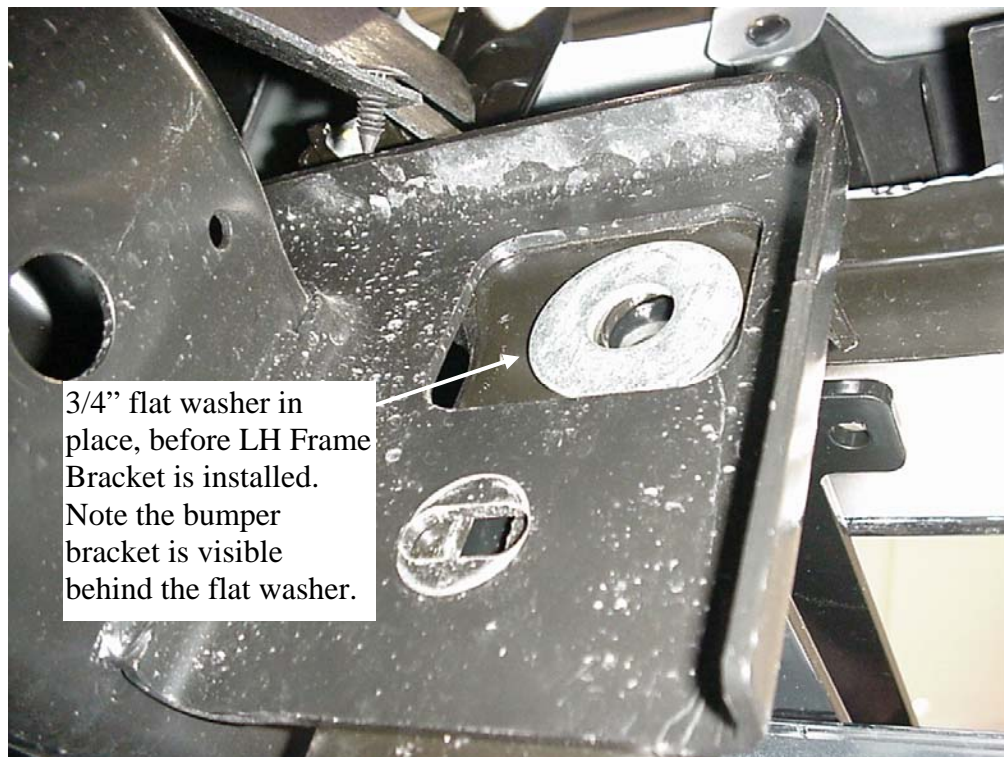


**Figure 6** Inboard bumper bolt –left side shown

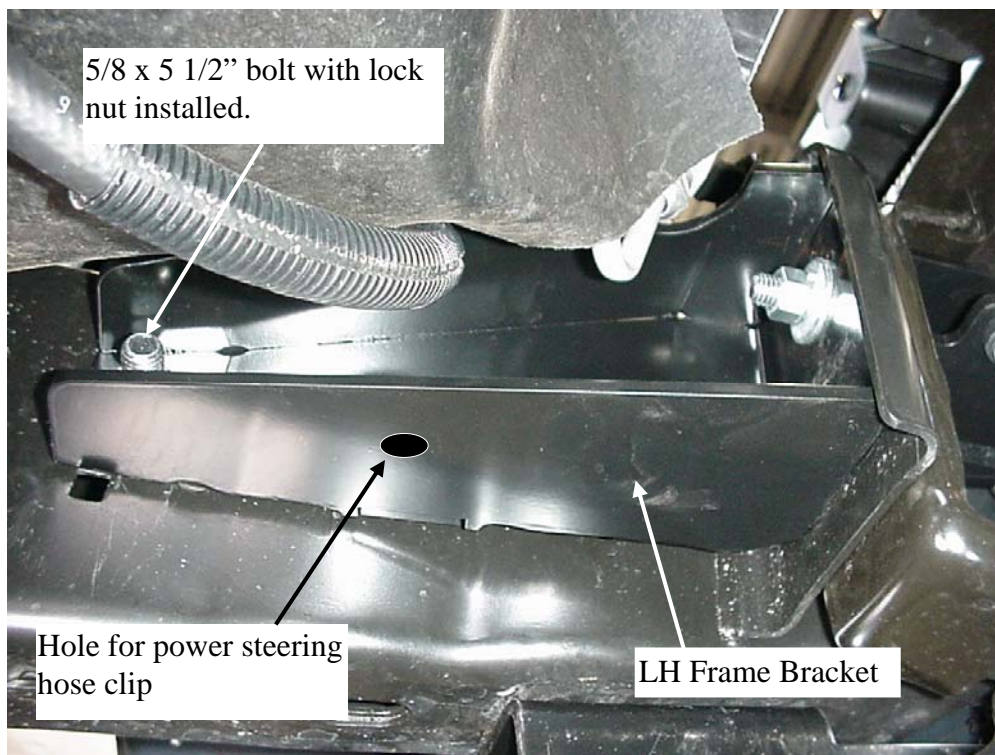


**Figure 7 Left (driver's side) frame rail, outside wall**

7. Install the Frame Brackets inside each frame rail. Insert a 5/8 x 5 1/2" bolt with 5/8" flat washer and Spacer Tube, through the large slot outside the frame, through the hole in the Frame Bracket. Install a 5/8" lock nut on the bolt. Use a large (3/4") flat washer as a spacer between the Frame Bracket and the back of the bumper bracket. Do not tighten yet. **See figure 7, 8 and 9.**



**Figure 8 Left bumper mount, viewed from the back**



**Figure 9 LH (driver's side) Frame Bracket installed**

8. Install 1/2 x 2 1/2" bolts with 1/4" thick flat washers through the bumper brackets and Frame Extension Brackets. Install another 1/4" thick flat washer, a lock washer, and a hex nut on each. Make sure the 3/4" flat washer is on the upper bolt and is still "sandwiched" between the Frame Bracket and bumper bracket. Do not tighten yet.
9. Attach the Diagonal Braces to the bottom of the tabs in the Frame Extensions. Insert 3/8 x 1 1/4" bolts from the top. Install lock washers and nuts from the bottom. Do not tighten yet.  
**NOTE: If a winch is not being installed in the Winch Carrier the Diagonal Braces are not necessary. However, the Braces should be retained in the event a winch is installed later.**
10. Set the Winch Carrier on top of the Frame Extensions. Align the two outboard holes in the Carrier base with the holes in the Frame Extensions. Install 1/2 x 1 1/4" bolts and lock washers. Do not tighten yet. **See Figure 1**
11. Loosely attach the Side Members to the Winch Carrier. Use 7/16 x 1 1/4" carriage bolts, lock washers and hex nuts from the Winch Carrier Kit for black kits. Use 7/16 x 1 1/2" stainless steel button head bolts and lock nuts from this kit for stainless Trans4mers.
12. Place a Spacer between the Side Member and the Bottom Bracket. The notch indicates the bottom of the Spacer. Place a Tow Hook against the outboard surface of the Side Member. Use 1/2 x 2 1/2" bolts, lock washers and hex nuts. Do not tighten yet. **See Figure 10**



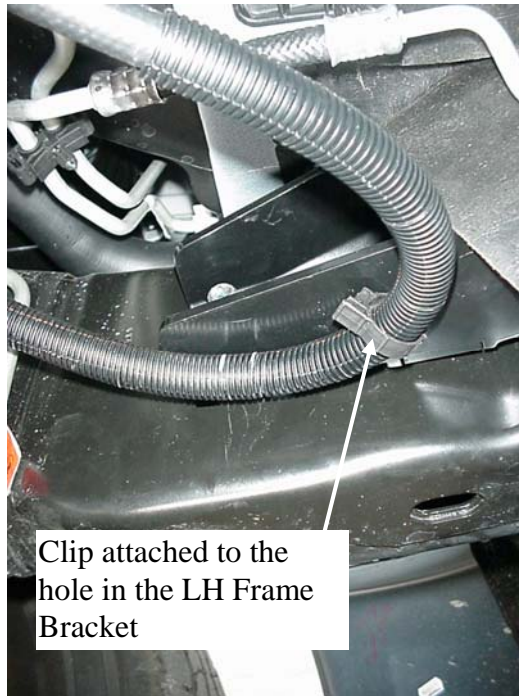


**Figure 10 RH Tow Hook, Side Member and Bottom Bracket assembled**

13. Install the upper 2 1/2" Grille Guard Tube. For black kits insert a black plastic washer between the tube end and the Side Member. Stainless kits do not use washers at the tube ends. Use 3/8" socket button head screws. Do not tighten yet.

**NOTE** If installing Brush Guards along with this Grille Guard Kit, install them now to avoid unnecessary disassembly.

14. If installing a winch, bolt it in place per the Winch Operator's Manual before proceeding to the next step. Insert 3/8 x 1 1/2" bolts with 3/8" lock washers from the bottom through the Diagonal Braces and Winch Carrier into the rear mounting holes in the winch in place of the 1 1/4" bolts that are supplied with the winch.
15. Install the middle 2 1/2" Grille Guard Tube. Select the Side Member holes that allow the best tube fit over the winch. Use black plastic washers for black kits. No washers are used in stainless kits. If this kit came with an angled light bar kit install it now in place of the lower Grill Guard Tube by following the directions provided in the kit.
16. Tighten the 7/16" hardware securing the Winch Carrier to the Side Members, then the 1/2" Carrier-to-Frame Extension hardware. Next, tighten the 2 1/2" Grille Guard Tubes.
17. Tighten the 5/8 x 5 1/2" frame bolts to remove any slack, but do not torque yet. When tightening the 5/8" bolts make sure the Spacer Tube extends through both frame slots and does not slip inside the frame where it will pinch the frame walls.
18. Center the Trans4mer then tighten the Frame Extension-to-bumper hardware. Next, tighten the tow hook bolts, then the Bottom Bracket-to-frame bolts. Finally, finish torquing the 5/8 x 5 1/2" bolts.
19. Re-attach the air deflector flap to the bumper. Attach the power steering hose retaining clip to the hole in the bottom of the LH Frame Bracket.



Clip attached to the hole in the LH Frame Bracket

**Figure 11 Power steering hose clip reinstalled**

20. Finish installing the winch per instructions. Tighten the Diagonal Brackets at the winch and the Frame Extensions.

**⚠ WARNING**

**READ THE VEHICLE'S OPERATOR MANUAL, WINCH OPERATOR MANUAL, AND ALL WARNING LABELS PRIOR TO OPERATION OF WINCH.**

**⚠ WARNING**

**FAILURE TO SECURELY TIGHTEN ALL BOLTS ON THE WINCH PLATE, WINCH, AND FAIRLEAD CAN RESULT IN PRODUCT FAILURE WHICH MAY RESULT IN VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH. DOUBLE CHECK THAT ALL BOLTS ARE SECURELY TIGHTENED PRIOR TO USE.**

**VII. MAINTENANCE/CARE**

1. Inspect all parts on the winch, winch mount, and related hardware prior to each use. Replace all hardware that appears rusted or deformed.
2. Inspect all nuts and bolts on the winch, winch mount, and related hardware prior to each use. Tighten all nuts that appear to be loose. Stripped, fractured, or bent bolts or nuts need to be replaced.
3. Check all cables prior to use. Replace cables that look worn or frayed.
4. Check all moving or rotating parts. Remove debris that may inhibit the part from moving freely.

**⚠ WARNING**

**PERFORM REGULAR INSPECTIONS ON THE WINCH, WINCH MOUNT, AND RELATED HARDWARE. NEVER OPERATE THE WINCH OR WINCH MOUNT WITH DAMAGED OR MISSING PARTS. FAILURE TO FOLLOW THIS WARNING MAY CAUSE VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH.**