



# INSTALLATION INSTRUCTIONS

## Trans4mer Mounting System

### Dodge Ram 1500 Kit No. 76251 (black) or 76252 (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

## ▲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. STAINLESS STEEL KITS WILL BE SLIGHTLY DIFFERENT AND MAY CONTAIN DIFFERENT HARDWARE.**

**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.


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Figure 1 Factory Tow Hooks



Figure 2 Tow Hook Reinforcing Bracket, LH

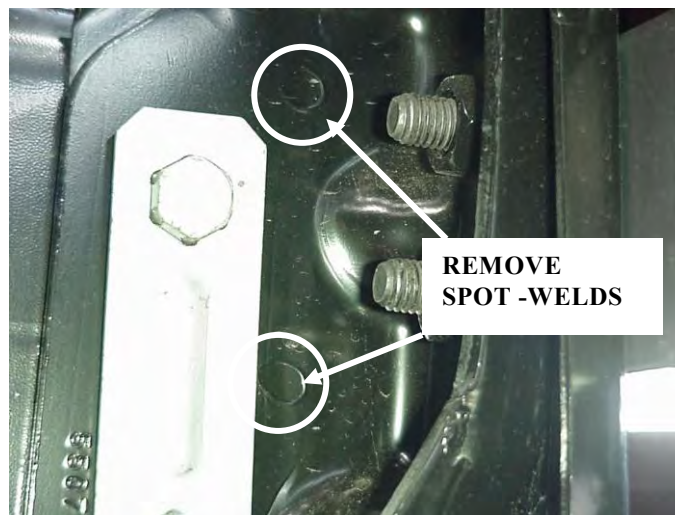


Figure 3 LH Reinforcing Bracket with welds highlighted

<u>PART NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
65363	1	FRAME EXTENSION, LH
65364	1	FRAME EXTENSION, RH
63665/63869	2	SIDE MEMBER, BLACK/SS
63879	1	BRACE, RH
63878	1	BRACE, LH
63876	1	FRAME BRACKET, RH
63877	1	FRAME BRACKET, LH
29365/63688	1	1-1/2" TUBE, BLACK/SS
29366/60326	1	2-1/2" TUBE, BLACK/SS
64086	2	BRACE
65361	2	4 HOLE BACKING PLATE
65362	2	3 HOLE BACKING PLATE

## TORQUE SPECIFICATIOIOS

3/8 INCH  
7/16 INCH

30 lb. ft. (40.7 N-M)  
50 lb. ft. (67.8 N-M)

This **WARN Trans4mer system** can be customized to give your Dodge Ram a wide variety of looks, front-end protection and winch mounting capability. 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 9500 lb. winch. It is durable and good looking, even as a stand-alone Grille Guard, but can be easily upgraded with some great options! You can add a third large size tube (Light Bar) that adds even more protection and includes tabs for mounting auxiliary lights. The tubes can be mounted in a variety of positions to achieve the look and function that you desire. You can mount a Winch Carrier Bracket that provides a permanent mount for a Warn winch. An accent cover is available to dress up the winch carrier. You may also add a Receiver Bracket that will handle the Warn Multi-mount winch system, a draw bar or any other accessory that fits the standard 2-inch receiver tube. Finally, Brush Guards that protect the headlights and front corners of the truck that can be easily added to any of the options above.

### WARN PART NUMBERS FOR AVAILABLE OPTIONS

Light Bar Kit, (Black)	29395
Light Bar Kit, (Stainless)	63325
Winch Carrier Kit (argent color matches winch)	29394
Receiver Kit (Black only)	29397
Brush Guard Kit (Black)	63062
Brush Guard Kit (Stainless)	63064
Accent Cover Kit	63130

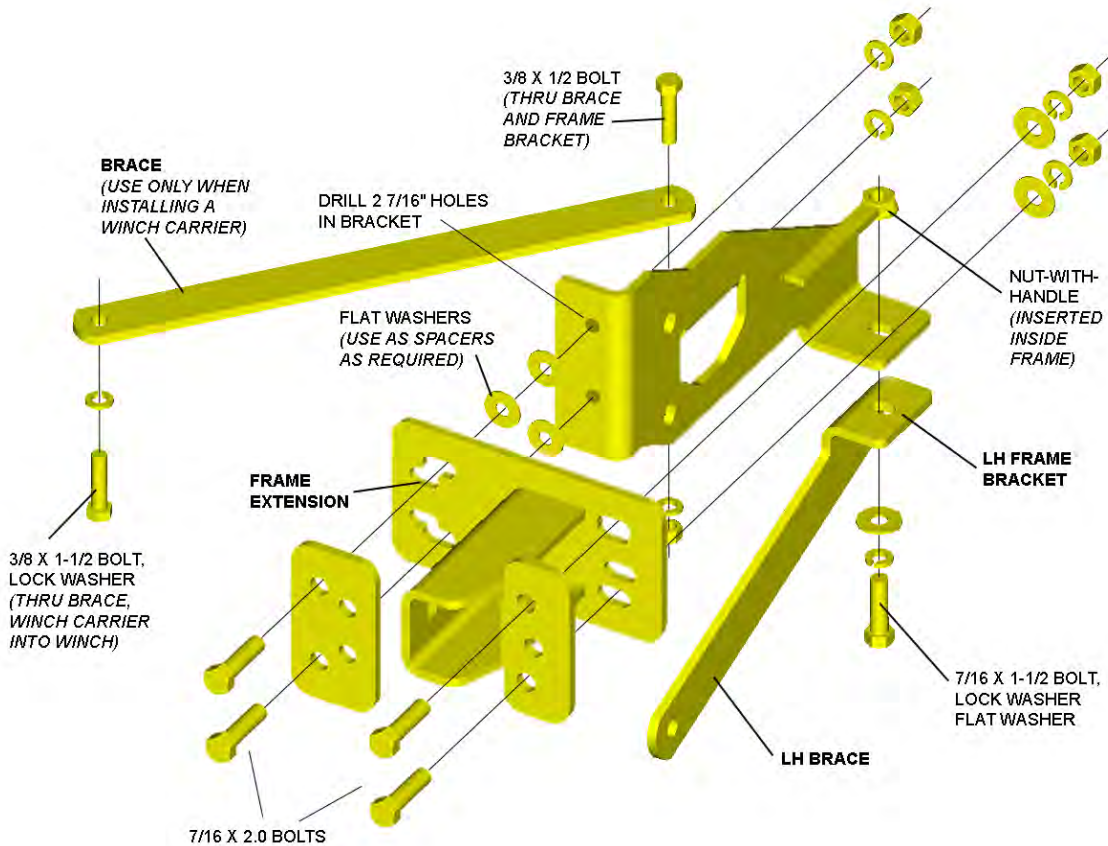
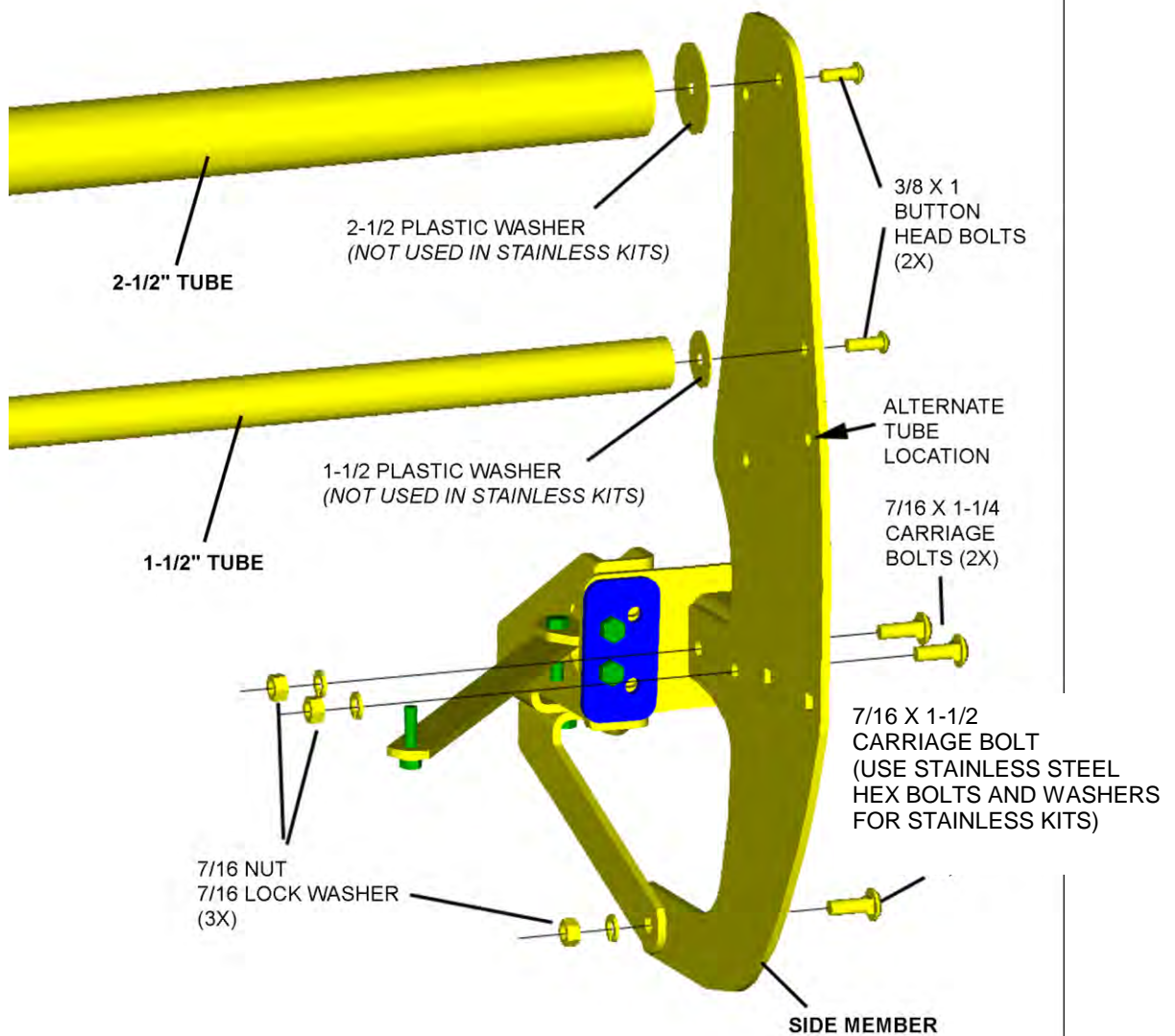


Figure 4. Dodge Ram Grille Guard Kit Components





**Figure 5. Dodge Ram Grille Guard Kit Components**

1. Review Figures 4 and 5 to become familiar with the kit components.
  2. Remove the gray bumper insert (if the vehicle has one) that is about 4' long in the center of the bumper. Use a short Phillips screwdriver to unscrew the 4 plastic fasteners securing the insert and remove it from the bumper. This insert will not be reinstalled.
- Figure 6**



**Figure 6: Remove gray plastic fascia from the bumper.**

3. Use C-Clamps to secure the bumper to both the left and right frame rails as shown in **Figure 7**. Remove the 4ea 12-mm nuts used to hold the bumper to the frame. Make sure the bolt assemblies are facing inward as shown in **Figure 7**. NOTE: Loosening these bolts may allow the end of the bumper to drop slightly if the C-Clamps are not tight enough. Note the space between bumper and grille prior to loosening and return the bumper to its original position after the kit is installed. Do not re-attach the nuts yet.

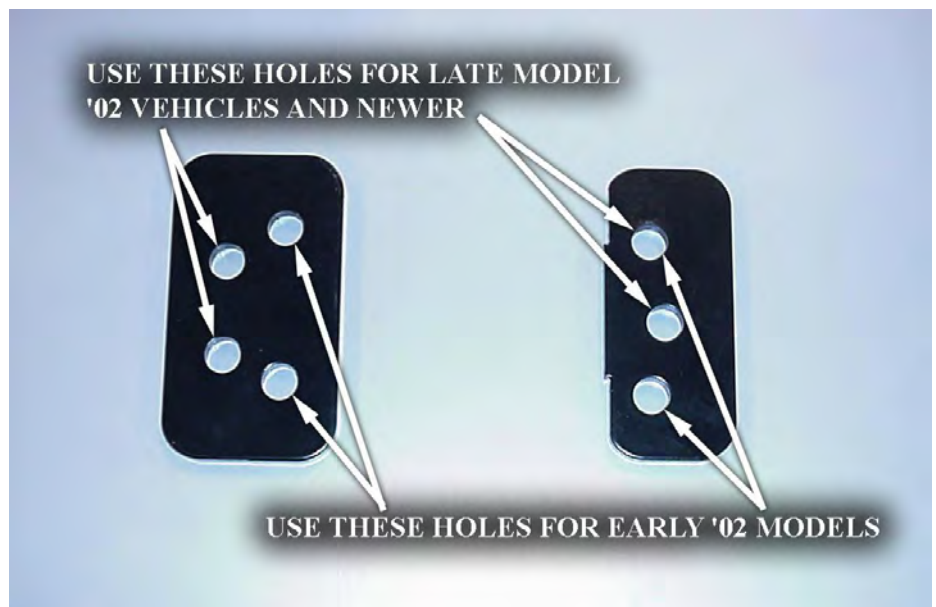


**Figure 7: Remove bumper/frame bolts**

4. Install the Frame Brackets using the factory hardware that was removed in **Step 3**. NOTE: These brackets will be mounted temporarily to determine hole locations.

5. Refer to **Figure 8** to determine which set of holes will be used on the backing plates.

6. Attach the Frame Extensions and 3-Hole Backing Plates to the front of the bumper pads as shown in **Figure 9** (mount using outside holes only). The “C” section of the Frame Extensions should face outward and the largest of the 3 slots is on the top. Use two 7/16” x 2” bolts, flat washers, lock washers, and nuts to secure the frame extensions in place. NOTE: one of the flat washers may not need to be used if they are overlapping. Before completely tightening the fasteners make sure the distance between the faces of the frame extensions facing each other are 32-1/2” apart. Refer to **Figure 9**.



**Figure 8: Determine which holes to use on Backing Plates**



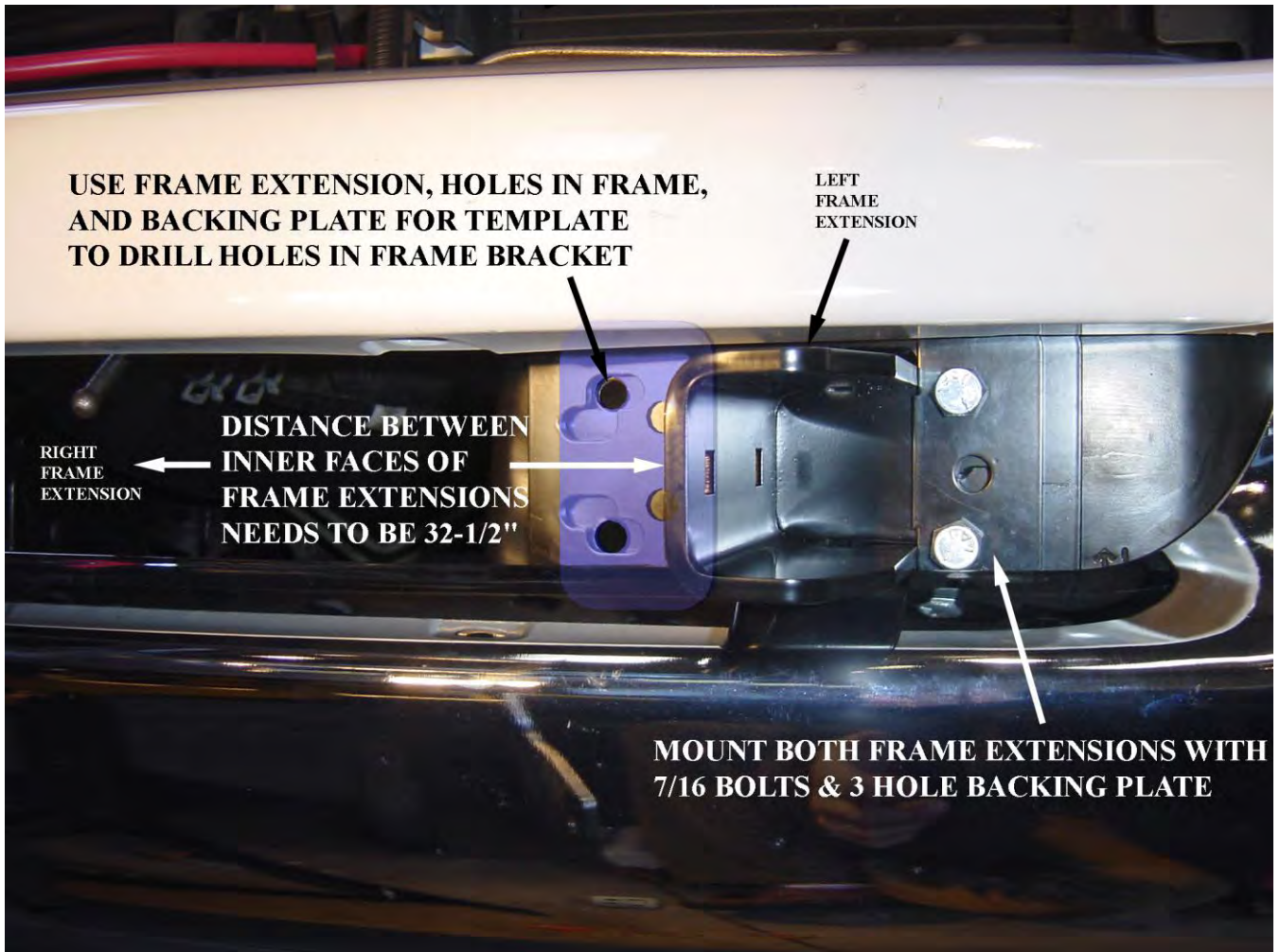


Figure 9: Mount Frame Extensions and drill holes in Frame Brackets (Driver's Side shown).

7. Hold the 4-Hole Backing Plate in place as shown in **Figure 9**. Mark both the upper and lower hole locations on the Frame Brackets. Remove the Frame Brackets from the vehicle and drill the 7/16" holes as marked.


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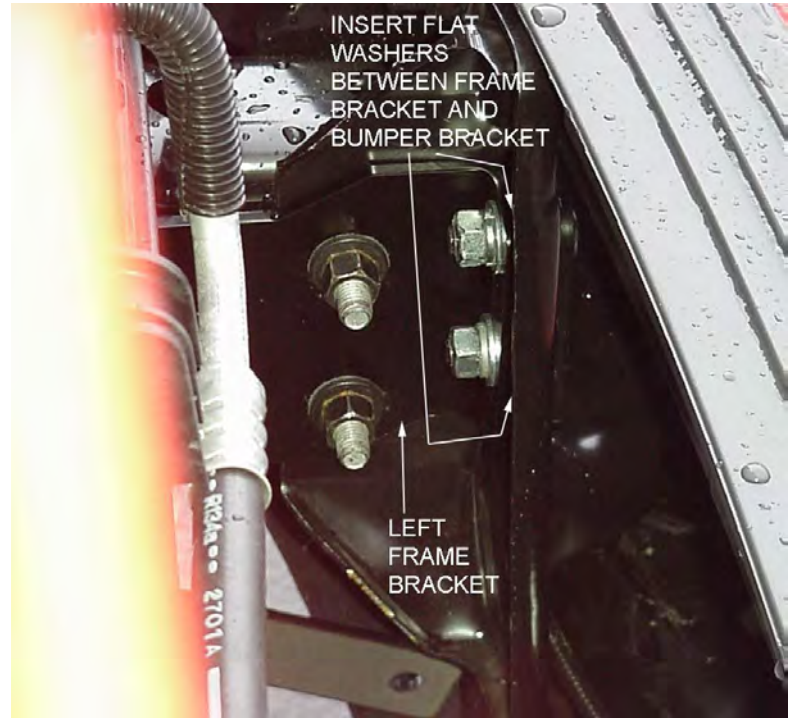


Figure 10: Location of Nut with Handle (left frame rail viewed from bottom).


8. Slide the Nut with Handle up through the front hole of the frame rail as shown in **Figure 10**. Line the nut up with the third hole back (the furthest hole aft).

9. Reinstall the Frame brackets and 4-Hole Backing Plate as shown in **Figure 9 and 11**. Use flat washers as spacers *between the Frame Bracket and the back of the bumper bracket*. Use up to three washers per bolt if necessary. Secure with 7/16" x 2" bolt, lock washers and nuts. Tighten finger tight.

10. Cut two slots in the lower (air dam) portion of the front bumper. Drill 3/8" holes for the ends of the slot then cut out the section between to form the slot. Refer to the dimensions in **Figure 12**.



**Figure 11: Location of flat washer spacers**

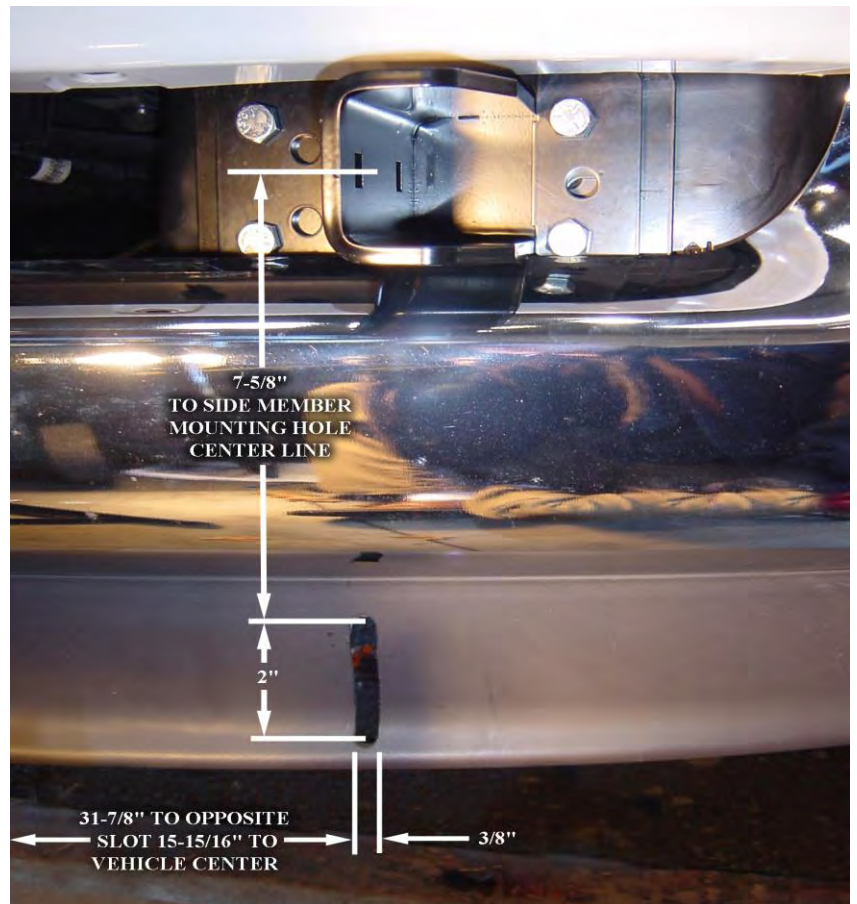
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11. Attach the appropriate Brace to the bottom of the frame bracket with a 7/16" x 1-1/2" hex bolt, lock washer and flat washer from the bottom. Tighten finger tight. **Figure 4**

12. Repeat these steps for the other side of the vehicle.

13. Attach a Side Member to the inside of each Frame Extension. Use two 7/16" x 1-1/4" carriage bolts inserted from the outside. Secure with 7/16" lock washers and nuts.

14. Attach the Side Member to the Brace with a 7/16" x 1-1/4" carriage bolt, lock washer and nut. Use a 7/16"



**Figure 12: Cut slots for Side Member clearance.**



stainless hex head bolt with stainless washer for the stainless kit.

14. If the Trans4mer is being installed as a Grille Guard and a winch is not being mounted at this time, install the tubes in any desired position as shown in **Figure 5**. Tighten all hardware. If a winch is being installed now, proceed to the next step. Do not tighten hardware yet.

### Winch Installation Notes

1. Attach the Braces to the tabs inboard of each Frame Bracket with a 3/8" x 1-1/2" hex bolt, lock washer and nut. The Braces can be positioned above or below the tabs, whichever location allows for best alignment with the Winch Carrier. **Figures 4 and 5.**

2. Attach the other ends of the Braces to the Winch Carrier by installing 3/8" x 1-1/2" hex bolts and lock washers through the Braces and Carrier, into the rear winch mounting holes.

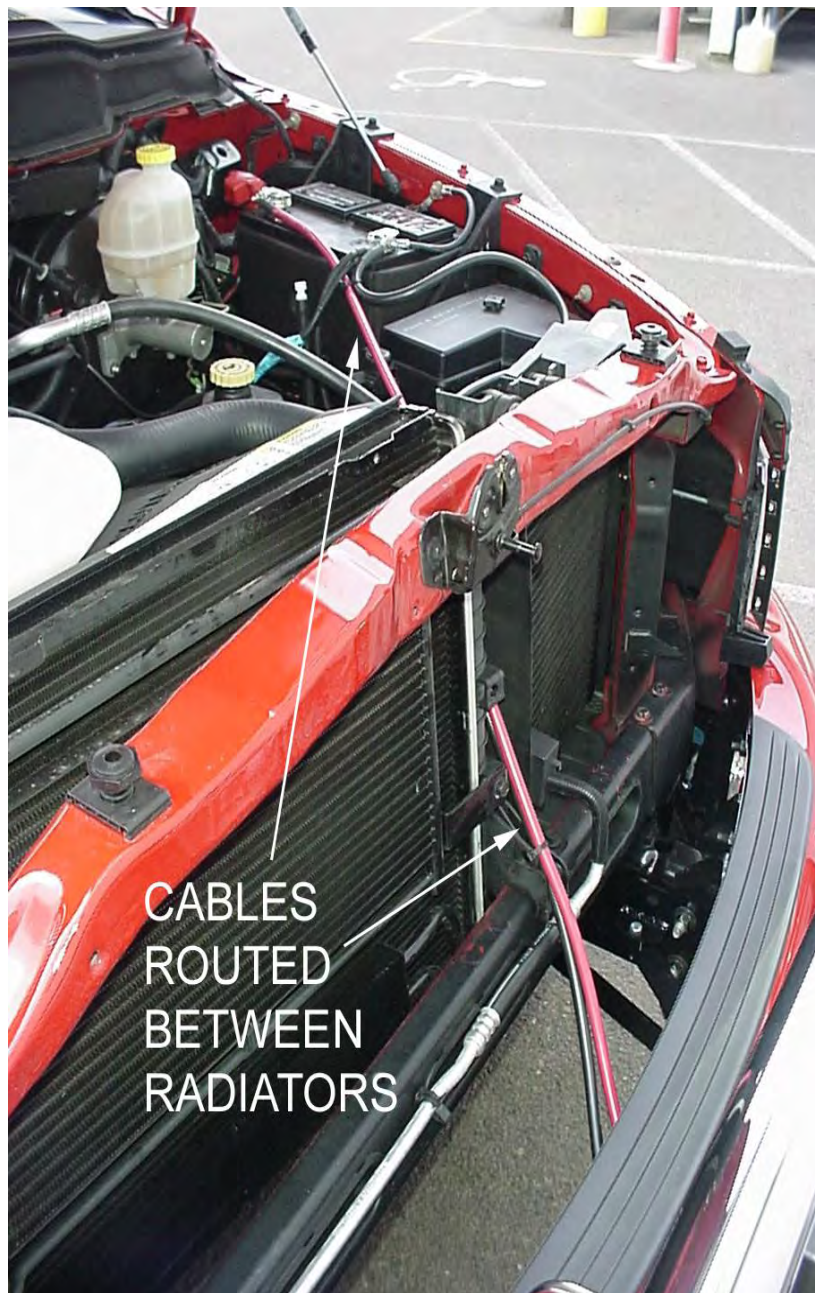
3. If the Winch Carrier or Receiver Kit is being added, install a tube only in the top position and then refer to the specific instructions packaged with those items.

4. The plastic washers are not used when installing the stainless steel tubes.

5. If a Winch Carrier is being installed in a Stainless Kit, use the 7/16" stainless hex head bolts with stainless flat washers from this Hardware Kit to secure it (in place of the carriage bolts supplied in the Carrier Kit.)

6. Align the entire assembly with the vehicle and tighten all fasteners securely. Start with the Side Member and Winch Carrier hardware first, then work towards the vehicle.

7. See **Figure 13** for Winch Power Lead routing.



**Figure 13: Power lead routing for winch**



## **Warn Industries**

### **Stainless Steel Truck Accessories**

#### **What to expect:**

Polished stainless steel combines the beauty of a chrome-like appearance with extreme durability and corrosion resistance. With a minimum amount of care, the appearance will last almost indefinitely. Unlike platings or coatings, there is nothing to peel off or wear away that would allow corrosion underneath.

The actual appearance may not be exactly like new chrome in either the degree of luster or color. There may be fine polishing lines visible up close and small differences between mating parts of an assembly. A grille guard, for instance, may have small differences between the round tubing and the flat plate. The backside of a part may not be as highly polished as the front. However, part of the beauty and appeal of stainless actually lies in the smooth “hand-worked” appearance.

There also is a possibility that small rust spots can appear on stainless products. They are usually due to minor iron contamination on the surface as a result of normal manufacturing and handling processes. This minor rust, if it occurs at all, is easy to remove and will not tend to spread.

#### **Recommended care:**

Regular washing with fresh water and mild car wash detergents followed by rinsing and drying with a soft towel is the best minimum care. Beyond that, any cleaner/wax recommended for automotive finishes will work well to remove minor stains and scuffs, enhance the shine and provide protection. Always use clean soft cotton cloths. In most cases, this will be all that is required for many years. For more serious blemishes or a rust spot, use a cream metal polish recommended for stainless, aluminum, etc. Try to rub in the direction of the original polishing lines.

Ultimately, any stainless part can be restored to a brilliant shine with power buffing processes.

#### **Caution:**

Do not use steel wool or any type of metal scraper. Do not use “Scotch Brite” pads or abrasive powdered cleaners. Do not try to clean with muriatic acid or any other acid.

#### **Stainless Fasteners**

Stainless steel fasteners are included in many of the stainless kits. These fasteners provide similar corrosion resistance and appearance as the rest of the kit. However, stainless fasteners are prone to galling when installed in similar stainless material. It is a good idea to apply a small amount of anti-seize compound to the threads when installing them. Care should also be taken when tightening the fasteners to prevent rounding or deforming the corners of the bolts. Make sure the wrenches are the correct size and fit properly. In the case of socket heads, the wrench should have sharp, un-worn edges. With a few precautions during assembly the products should provide years of service.