



## INSTALLATION INSTRUCTIONS

### Trans4mer Grille Guard & Winch Mount Ford 4x4 Kit No. 33086 (black) or 33087 (chrome)

**NOTE:** This installation requires some hole drilling when used as a winch mount. (As a grille guard only, the drilling is optional). Make sure you have a drill motor and sharp 3/8" and 7/16" drills available. These Fords have very large variations in the bumper to frame alignment. This requires the Warn braces and straps to be custom drilled to fit each vehicle.

### PARTS LIST

PART NO.	QUANTITY	DESCRIPTION
34276	2	Side Member, Chrome.
34275		Side Member, Black.
35302	1	Main Bracket, R.H.
35301	1	Main Bracket, L.H.
34290	2	Lower Bracket
35307	1	Diagonal Brace, R.H.
35306	1	Diagonal Brace, L.H.
29128	1	Tube, Black, 25"x 1.5"
29132	1	Tube, Black, 25"x 2.5"
29129		Tube, Chrome, 25"x 1.5"
29133		Tube, Chrome, 25"x 2.5"

### TORQUE SPECIFICATIONS

3/8 inch	30 lb. ft. (40.7 N-m)
7/16 inch	50 lb. ft. (67.8 N-m)
10mm	32 lb. ft (49.4 N-m)
12mm	75 lb. ft. (101.7 N-m)

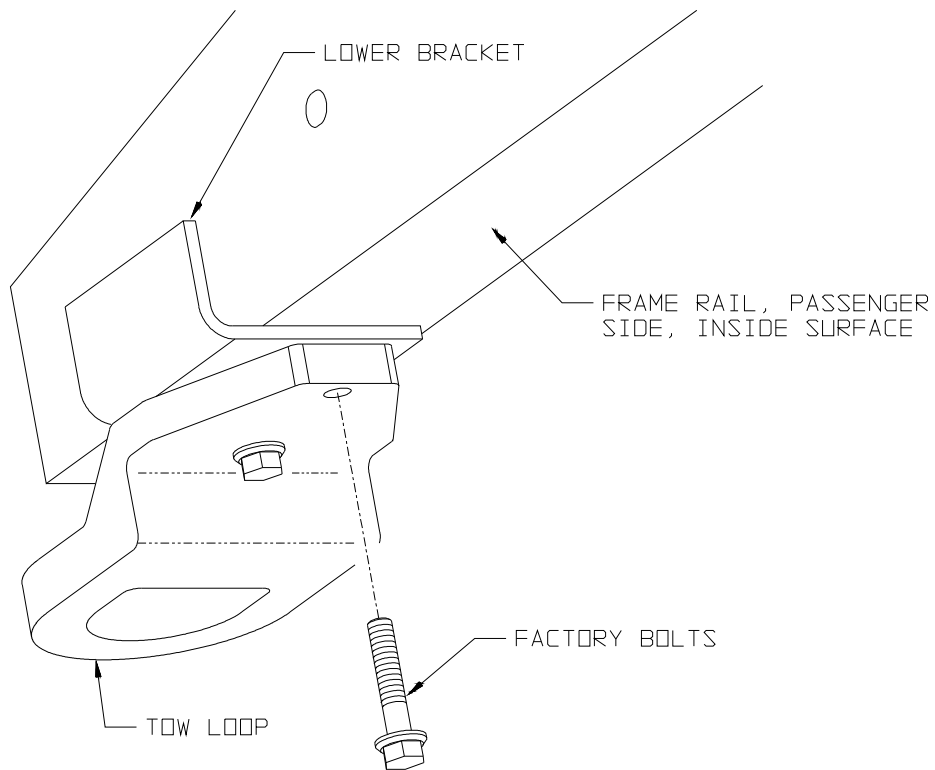
This **WARN Trans4mer system** can be customized to give your Ford a wide variety of looks, front end protection and winch mounting capability. The system starts with this strong two-tube grille guard that attaches to the truck's frame with brackets designed by Warn engineers to handle up to a 9000 lb. winch. It is durable and good looking, even as a stand alone grill 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 Warn Carrier Bracket that provides a permanent mount for a Warn winch. 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)	29169
Light Bar Kit, (Chrome)	29170
Winch Carrier Kit (argent color matches winch)	29165
Winch Carrier Kit (M8274 winch only, argent color)	30040
Receiver Kit (Black only)	29166
Brush Guard Kit (Black)	33602
Brush Guard Kit (Chrome)	33603

**NOTE: Please read these instructions thoroughly before starting. Follow the step by step sequence for fastest installation. Do not securely tighten bolts until directed.**

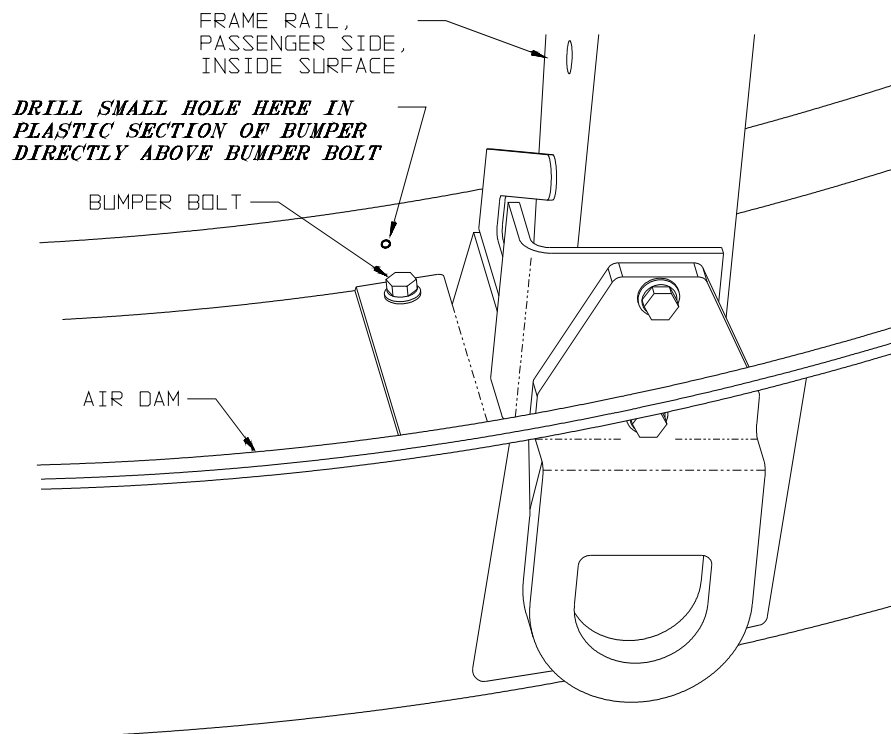
1. Remove the plastic license bracket if so equipped. Unsnap upper legs from bumper lip and cut off lower legs at face of bumper.
2. To improve access behind the bumper, push out the three plastic rivets that attach the front edge of the flexible plastic baffle. Fold up and back.
3. Visually check that bumper is aligned perfectly with the body edge below the grille. As mentioned, there is plenty of adjustment available to improve the fit. The alignment of the grille guard will depend on this initial adjustment.
4. Loosen the tow hook bolts, then install the lower brackets by removing one bolt at a time and inserting the brackets between the hooks and the frame. **(Figure 1)**. You will not lose the nut plate inside the frame if only one bolt at a time is removed. Leave bolts slightly loose.

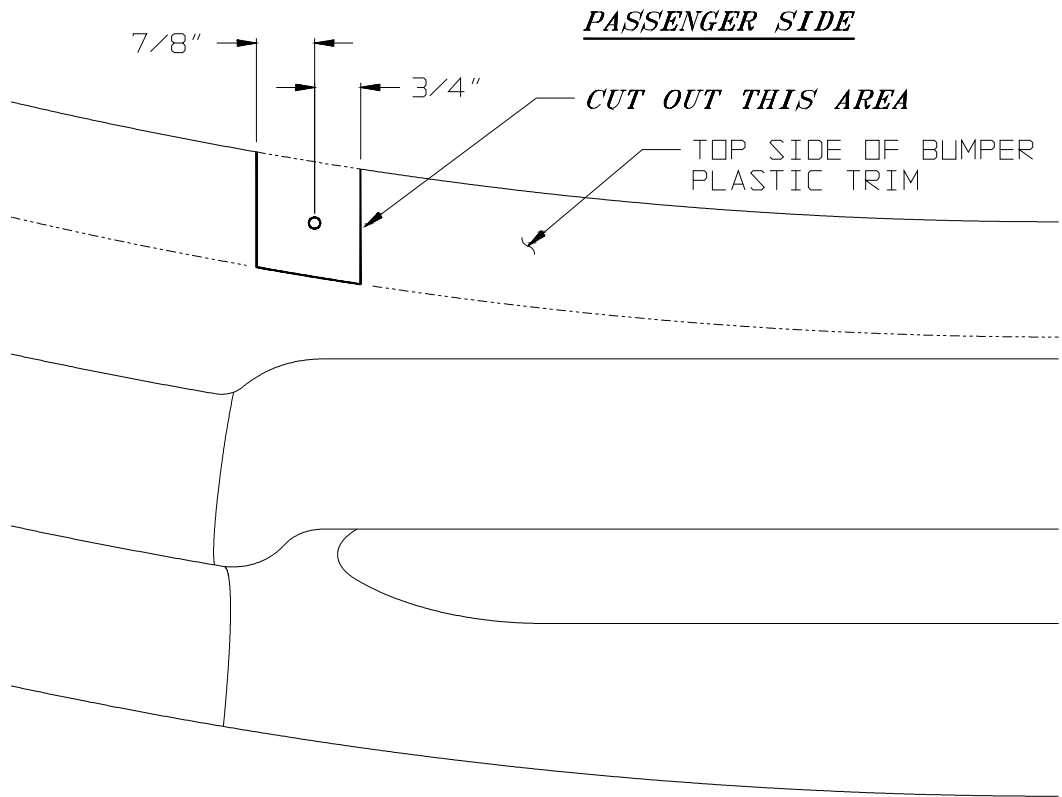


**FIGURE 1**

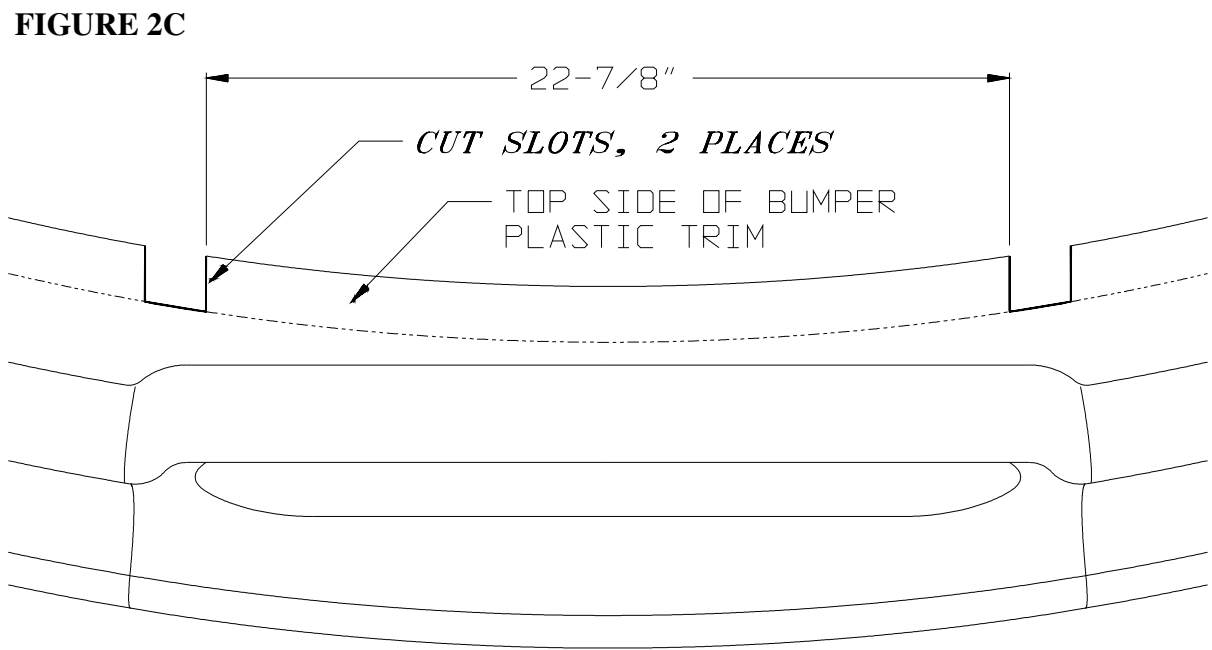
5. Refer to **Figure 2A, 2B, 2C** and cut openings in the plastic trim panel on the top of the bumper.

**FIGURE 2A**



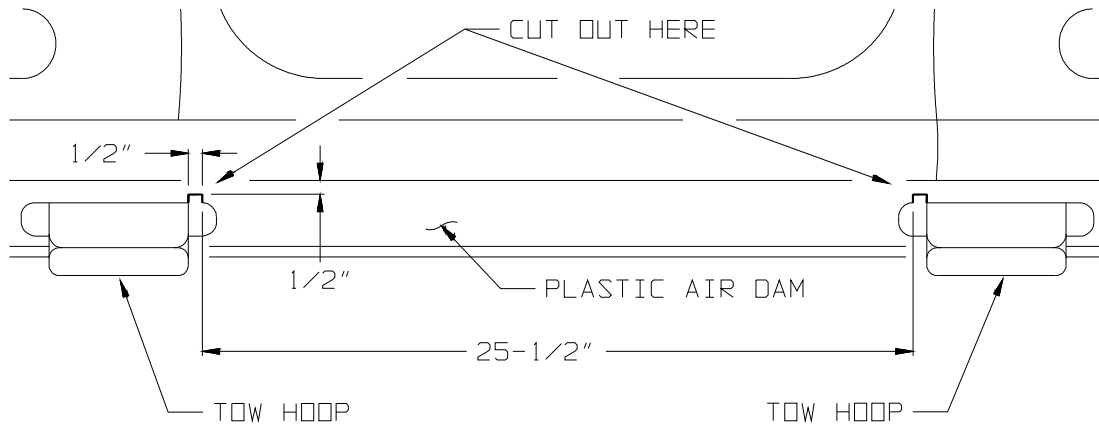


**FIGURE 2B**



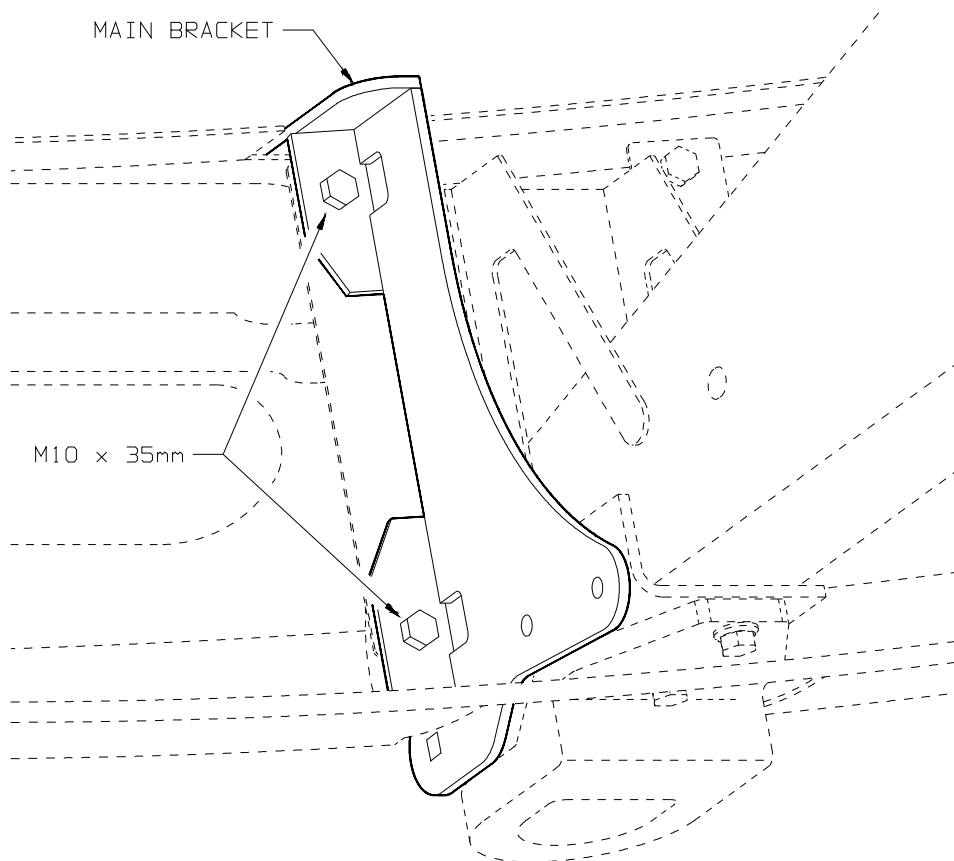
**FIGURE 2C**

6. Refer to **Figure 3** and cut slots in the plastic panel below the bumper.



**FIGURE 3**

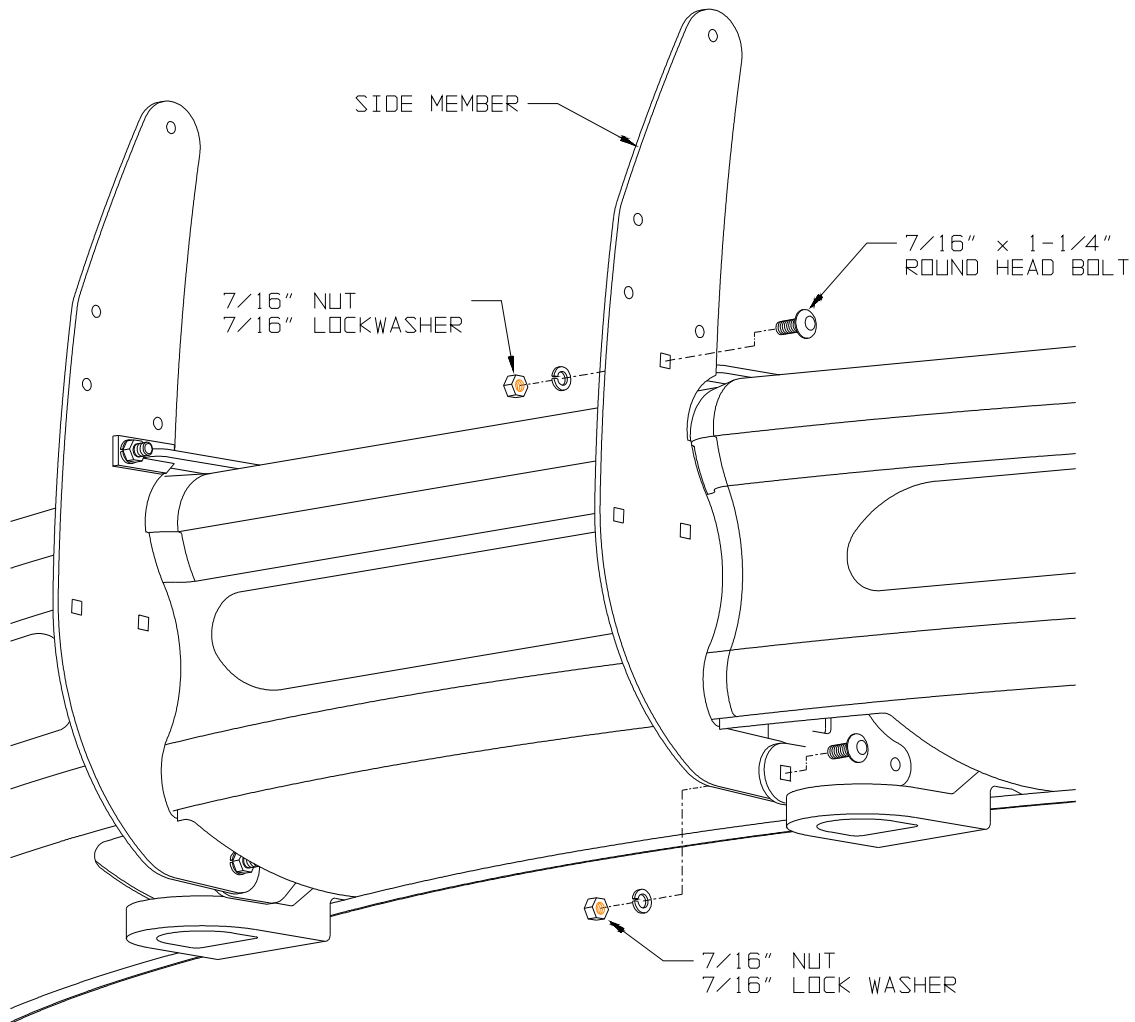
7. Remove upper and lower inboard bumper to bumper bracket bolts. Access from front of vehicle is good thru opening in bumper. Install the right and left main bracket assemblies to the back side of the bumper as shown in **Figure 4**. Leave the bolts slightly loose.



**FIGURE 4**

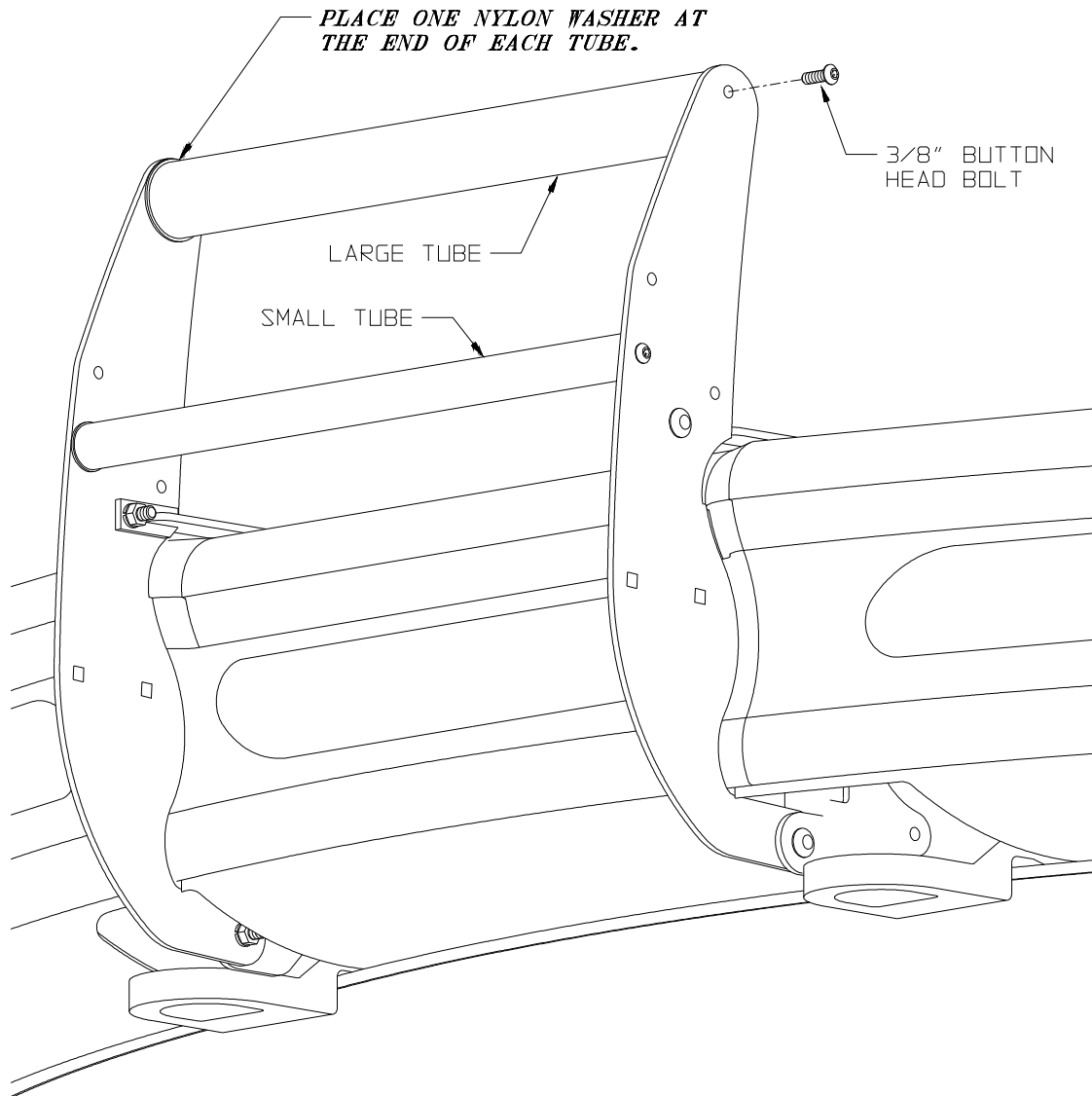
8. Install the side members to the outside of the upper tabs and inside of the lower tabs as shown in **Figure 5**.

**FIGURE 5**



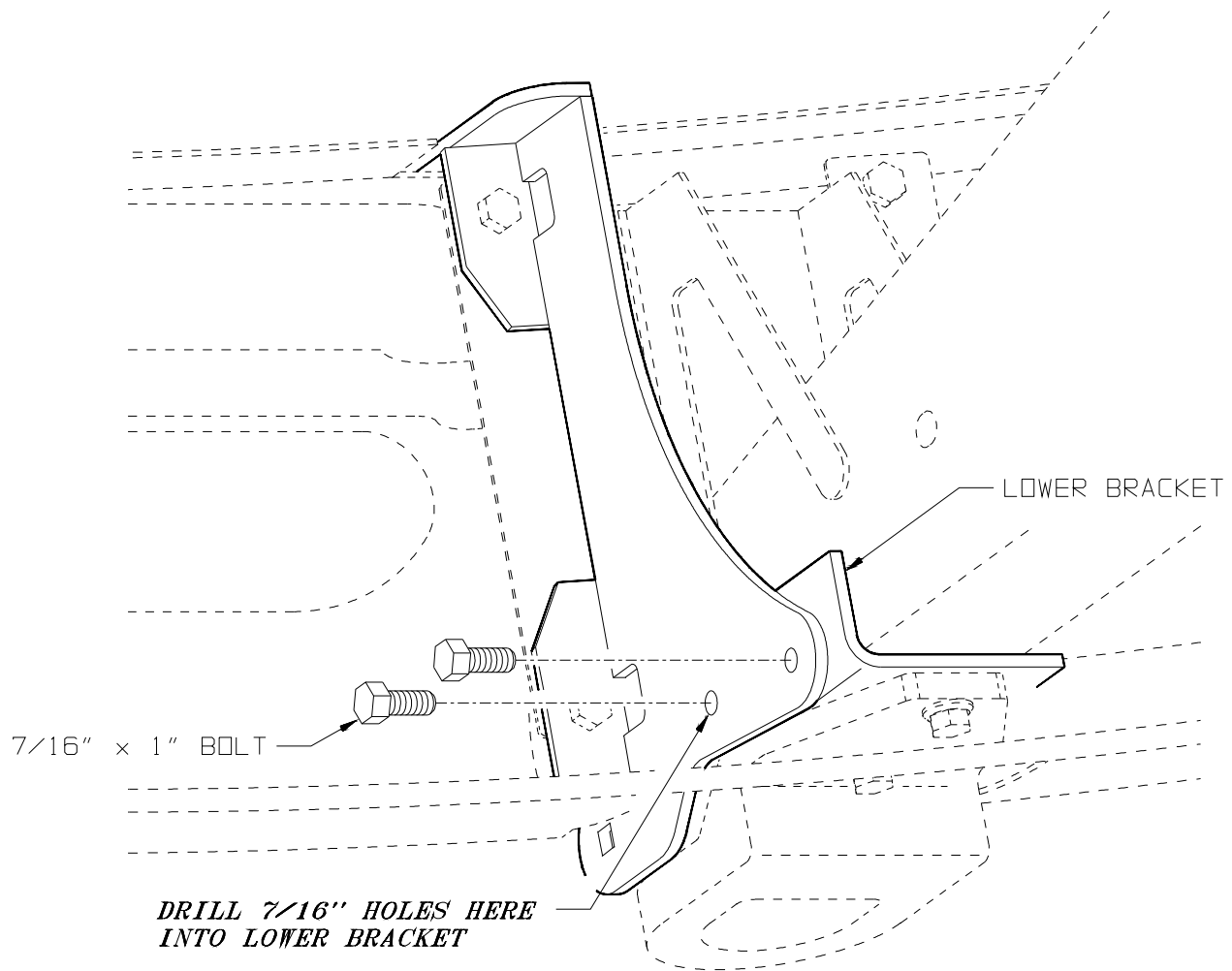
**NOTE: If brush guards are being installed, refer to those instructions now and get them in place before tightening the side member bolts.**

9. If the Trans4mer is being installed only 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 6**. 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. Tighten the fasteners securely.



**FIGURE 6**

10. Securely tighten the bolts that attach the main bracket assemblies to the back side of the bumper. **(Figure 4)**.
  
11. Refer to **Figure 7** and clamp the lower brackets to the rear tab of the main brackets. Tighten the tow hook bolts securely. Using the two holes in the tab as a guide, drill two 7/16" holes thru each lower bracket and secure with the indicated bolts. Tighten securely.



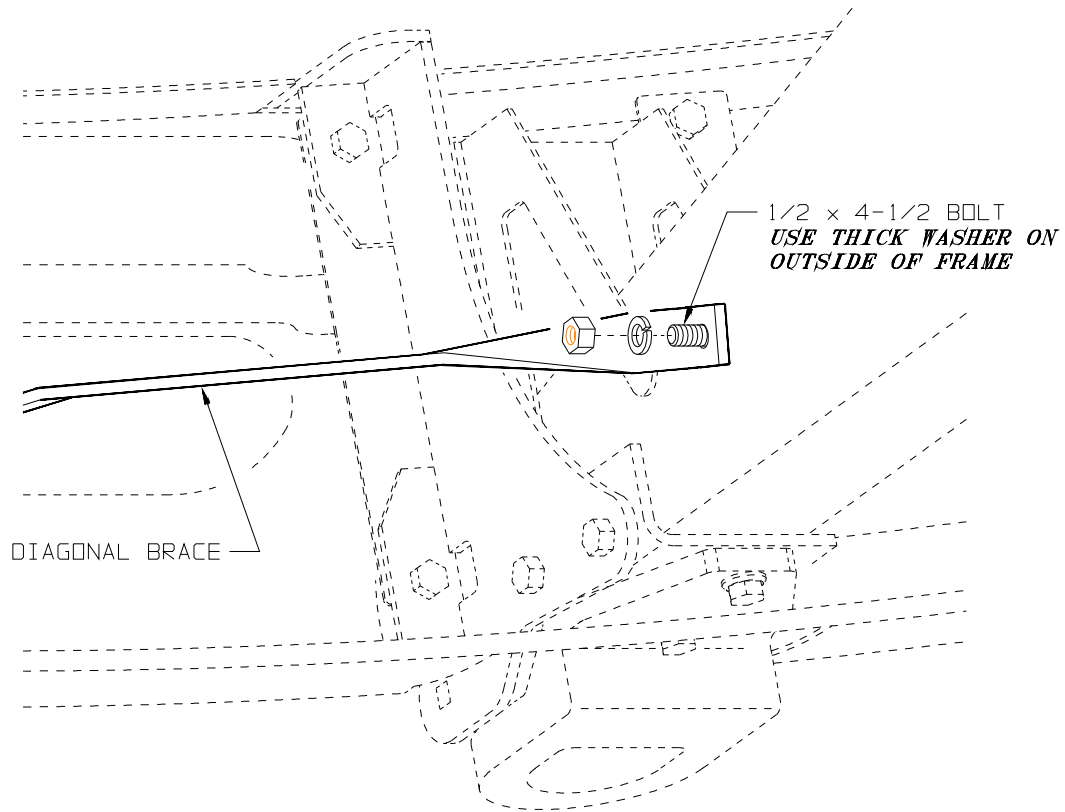
**FIGURE 7**

**NOTE:** The following steps apply to winch mounting and are optional if the unit is to be a grille guard only. Be sure to at least save the braces if a winch may be mounted sometime in the future.

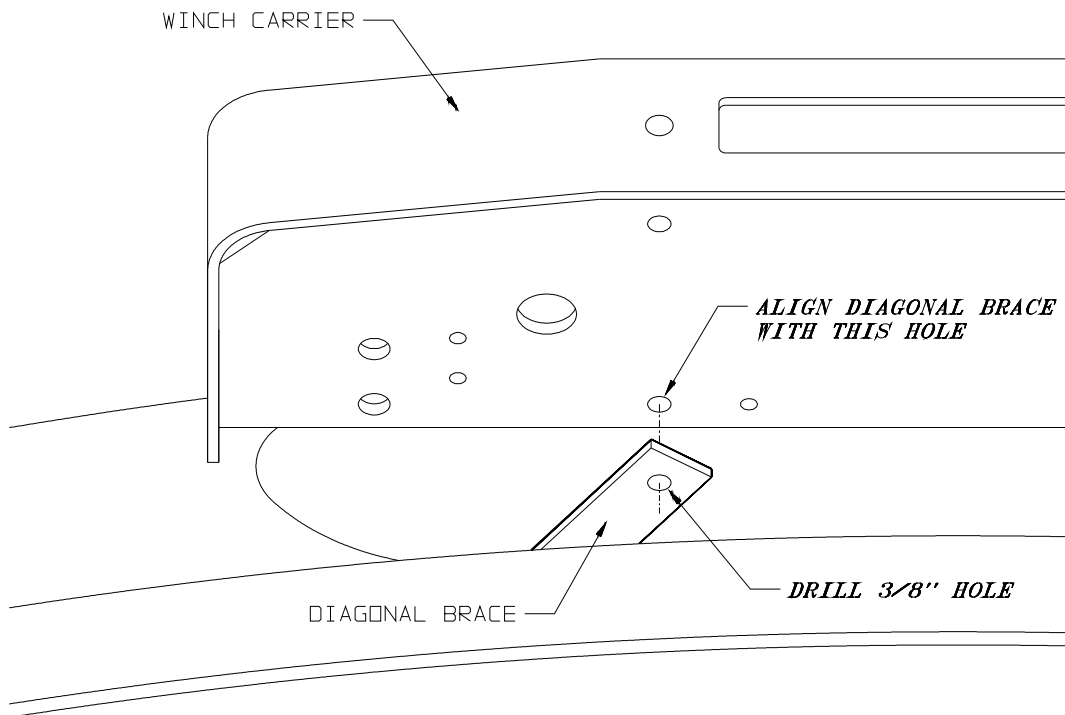
12. Refer to **Figure 8** and install the diagonal braces against the inside of the frame, extending forward through the large slot in vehicle bumper. Install the 4-1/2" bolt thru the vehicle frame and brace. **USE THE THICK SPACER WASHER UNDER THE BOLT HEAD ON THE OUTSIDE OF THE FRAME.** On the driver's side, the cooler lines can be easily bent to obtain bolt clearance. Pull the braces and 4-1/2" bolt forward against the frame slot and line up with the rear winch mounting holes. (**Figure 9**). Mark and drill a 3/8" hole in each brace, then reinstall.



**FIGURE 8**



**FIGURE 9**



13. Reinstall the flexible baffle to the back of the bumper.