



INSTALLATION INSTRUCTIONS

Trans4mer Grille Guard/Winch Mount Kit 60319 (Black) & 60320 (Chrome) For GMC Sierra 3/4 Ton Trucks (Not suitable for Winches larger than 12,000 lbs.)

As you read these instructions, you may see **NOTES**, **CAUTIONS** and **WARNINGS**. Each message has a specific purpose. **NOTES** are additional information to help you complete a procedure. **CAUTIONS** are safety messages that indicate a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. A **CAUTION** may also be used to alert against unsafe practice. **WARNINGS** are safety messages that indicate a potentially hazardous situation, which, if not avoided could result in serious injury. **CAUTIONS** and **WARNINGS** identify the hazard, indicate how to avoid the hazard, and advise of the probable consequence of not avoiding the hazard. **PLEASE WORK SAFELY!**

NOTE: This installation requires hole drilling. Make sure you have a drill motor and a sharp 7/16" drill bit available. Wear safety goggles.

PARTS LIST

PART NO.	QUANTITY	DESCRIPTION
60316	2	Side Member, Black
or 60317	2	Side Member, Chrome
29365	1	Tube, 1-1/2", Black
or 29398	1	Tube, 1-1/2", Chrome
29366	1	Tube, 2-1/2", Black
or 29399	1	Tube, 2-1/2", Chrome
39824	1	Frame Extension, RH
39825	1	Frame Extension, LH
39829	2	Support Plate
38782	4	Clamping Strap
60159	2	Bracket Assembly
60313	2	Strap Assembly
60314	2	Support Plate
60315	2	Spacer
13222	2	Tow Hook, Black
or 13223	2	Tow Hook, Chrome
34074	1	Sealant, Silicone

TORQUE SPECIFICATIONS

BOLT SIZE	TORQUE
3/8 inch	30 lb. ft (40.7 N-m)
7/16 inch	50 lb. ft. (67.8 N-m)
1/2 inch	75 lb. ft. (101.7 N-m)

This WARN Trans4mer system can be customized to give your GMC Sierra 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 to handle up to a 12000 lb winch. It is durable and good looking 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. 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 can be easily added to any of the options above.

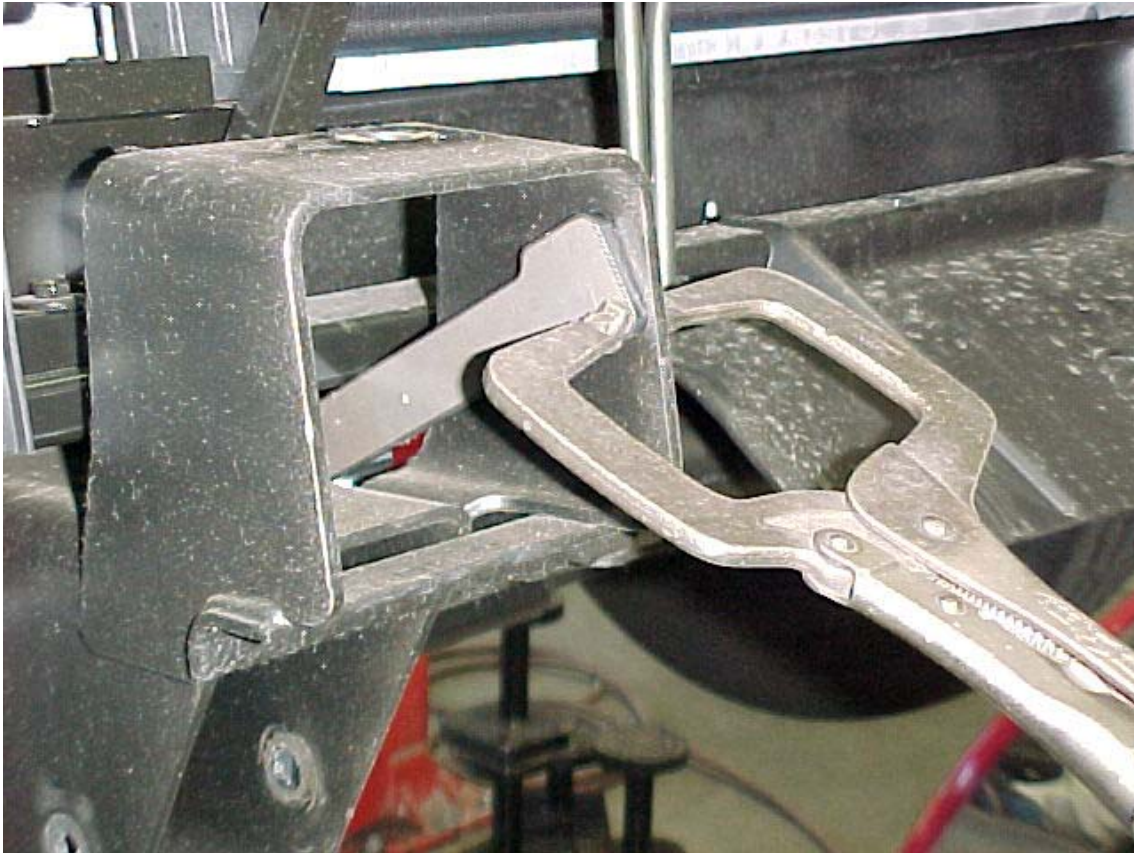
NOTE: Follow the instructions step by step for fastest installation. Do not securely tighten fasteners until directed to do so.

1. Remove the grille and bumper. The grille must be removed first to gain access to the bumper bolts. These are easy to remove if the following procedure is followed:
 - a. Open the hood. Remove the four plastic fasteners that attach the plastic shroud to the top of the grille. Pry up the center pin with a screwdriver, then pry out the collar.
 - b. Remove the bolt just to right of the latch (10mm head).
 - c. Locate the four phillips head plastic fasteners just inboard of the lights. Gently turn $\frac{1}{4}$ turn counterclockwise while pulling out on the grille to release. Give a sharp pull at extreme outer ends of grille to release the clips. Remove grille.
 - d. Unplug the wiring from the back side of the fog lights, if so equipped.
 - e. Remove the bolts from the outer bumper braces just forward of the wheels (15mm head).
 - f. Remove the four remaining bumper bolts (18mm head) and remove bumper.
2. Remove the plastic splash pan/air deflector that's below the engine.
3. Attach the clamping straps and strap assemblies to the cross member. **Leave the fasteners hand-tight. See photos 1 & 2 for the placement and positioning of the parts.**

PHOTO 1 – clamping strap



PHOTO 2 – Strap assembly



4. Once the strap assemblies are secured in position (such as shown in photo 2), drill through both the bumper perches and the ends of the straps. Start with a pilot hole, then drill for the 7/16 x 1 inch bolts. Using the larger bit, drill out the threads of the welded nuts that are at the top of the perches.



WARNING

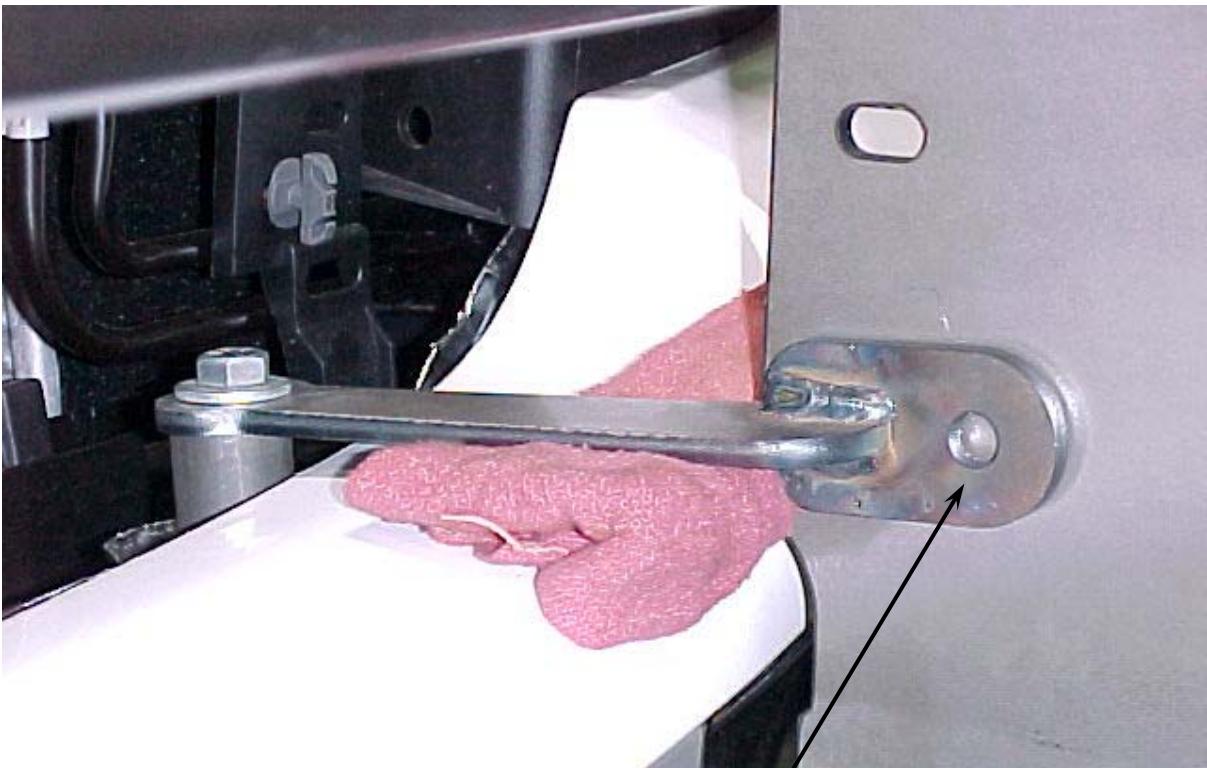


Drilling operations can cause flying metal chips. **WEAR SAFETY GOGGLES.** Flying metal chips can cause eye injury.

5. Attach the strap assemblies. **SECURELY TIGHTEN THE FASTENERS.**
6. Go back to the clamping straps. **SECURELY TIGHTEN THE FASTENERS.**
7. Remove the factory tow hooks and install the frame extensions and support plates in their place. The frame extensions mount inside the frame rails. The support plates mount to the bottom of the frame rails. **Measure from one frame extension to the other (outside edge to outside edge). This should be approximately 32 inches. Leave the fasteners hand-tight.**
8. Install the bumper. **NOTE: There is no trimming of plastic required.** Remember to plug in the wiring for the fog lights.
9. Attach the side members and provided tow hooks to the frame extensions. Attach the 2-1/2 inch tube to the top of the side members. Use the plastic washers between the side members and the ends of the tube. **Leave the fasteners hand-tight.**

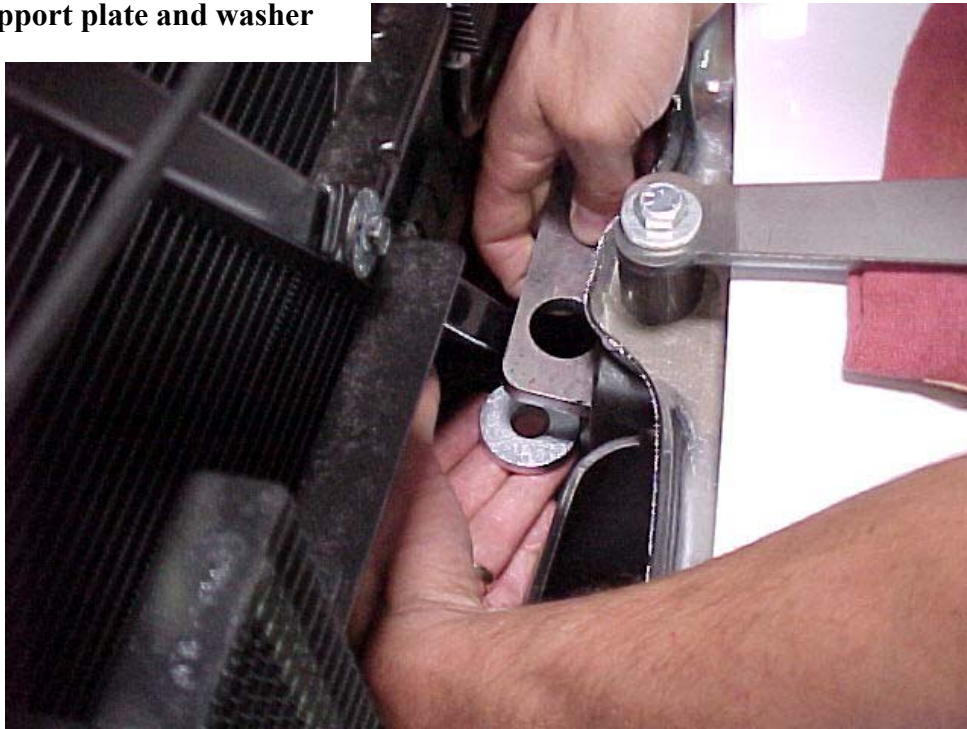
10. If you are installing either a winch carrier or front receiver, install it now. **Leave the fasteners hand-tight.** If you have installed the winch carrier, install the winch now. See the winch installation instructions.
11. Attach the 1-1/2 inch tube to the side members. **SECURELY TIGHTEN THESE FASTENERS AS WELL AS THE ONES HOLDING THE 2-1/2 IN TUBE AND WINCH CARRIER IN PLACE.**
12. **SECURELY TIGHTEN THE FASTENERS HOLDING THE SIDE MEMBERS TO THE FRAME EXTENSIONS. SECURELY TIGHTEN THE FASTENERS HOLDING THE FRAME EXTENSIONS TO THE FRAME.**
13. Install the spacers and bracket assemblies over the top of the bumper. **See photo 3.** Position the windowed support plates (windowed for the welded nuts) and 1/4 inch thick washers inside the bumper perches. **See photo 4.**

PHOTO 3 – bracket assembly



**Drill 7/16" hole.
Seal with supplied
Silicone Sealant.**

PHOTO 4 – support plate and washer



14. Adjust the position of the brackets so that they are flush with the side members. **SECURELY TIGHTEN THE FASTENERS.**
15. Use the holes in the ends of the bracket assemblies to mark and drill the side members. Drill for the 7/16 inch socket head fasteners. **Seal the drilled hole with the supplied Silicone Sealant.**
16. Attach the bracket assemblies to the side members. **SECURELY TIGHTEN THE FASTENERS.**
17. Install the grille and attach the plastic shroud at the top of the grille. Install the plastic splash pan/air deflector.

FIGURE 1 – winch battery cable connection to side terminal battery

