

- This document shows how to install your new Truck Guard onto your truck.
- Ensure that you have completely read and understand document **S017 - Safety** before beginning this installation procedure.

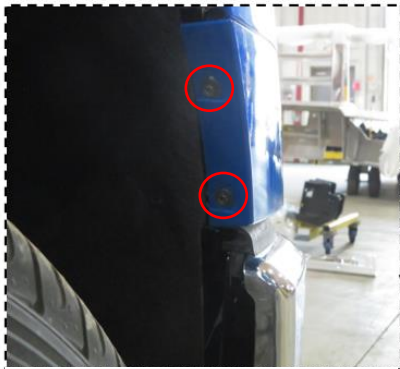


Figure 1a: Remove valance's screws (passenger side shown)



Figure 1c: Remove radiator cover



Figure 1e: Remove bumper bolts (driver side shown)



Figure 1b: Remove valance

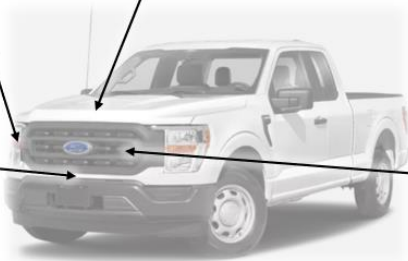


Figure 1d: Remove front grille

Figure 1: Removing the OEM front bumper (Your Truck may not be exactly as shown)

I. Removing the OEM front bumper (please keep all OEM fasteners for reassembling later)

1. Remove the valance screws (red circles, 2 per side) as shown in Figure 1a.
2. Remove the valance to reveal the 2 grille screws (red circles). Remove the 2 screws, see Figure 1b.
3. Remove the radiator cover by removing the plastic clips (cover has been removed in Figure 1c). Remove the 4 grille screws (red circles) and unplug the 2 connectors (red arrow) as shown in Figure 1c.
4. Remove the grille, see Figure 1d. Upon removal, unplug 3 connectors (red arrows).
5. The front bumper bolts can be accessed by looking down from the top of the bumper as shown in Figure 1e (follow the arrow which connect Figure 1e to Figure 1d). Remove the bolts (6 in total, 3 per side, see red circles) to remove the front bumper.
6. Remove and keep the OEM tow loops together with their fasteners to be reused with HERD Truck Guard.
7. Reattach the grille, the radiator cover, and the valance.

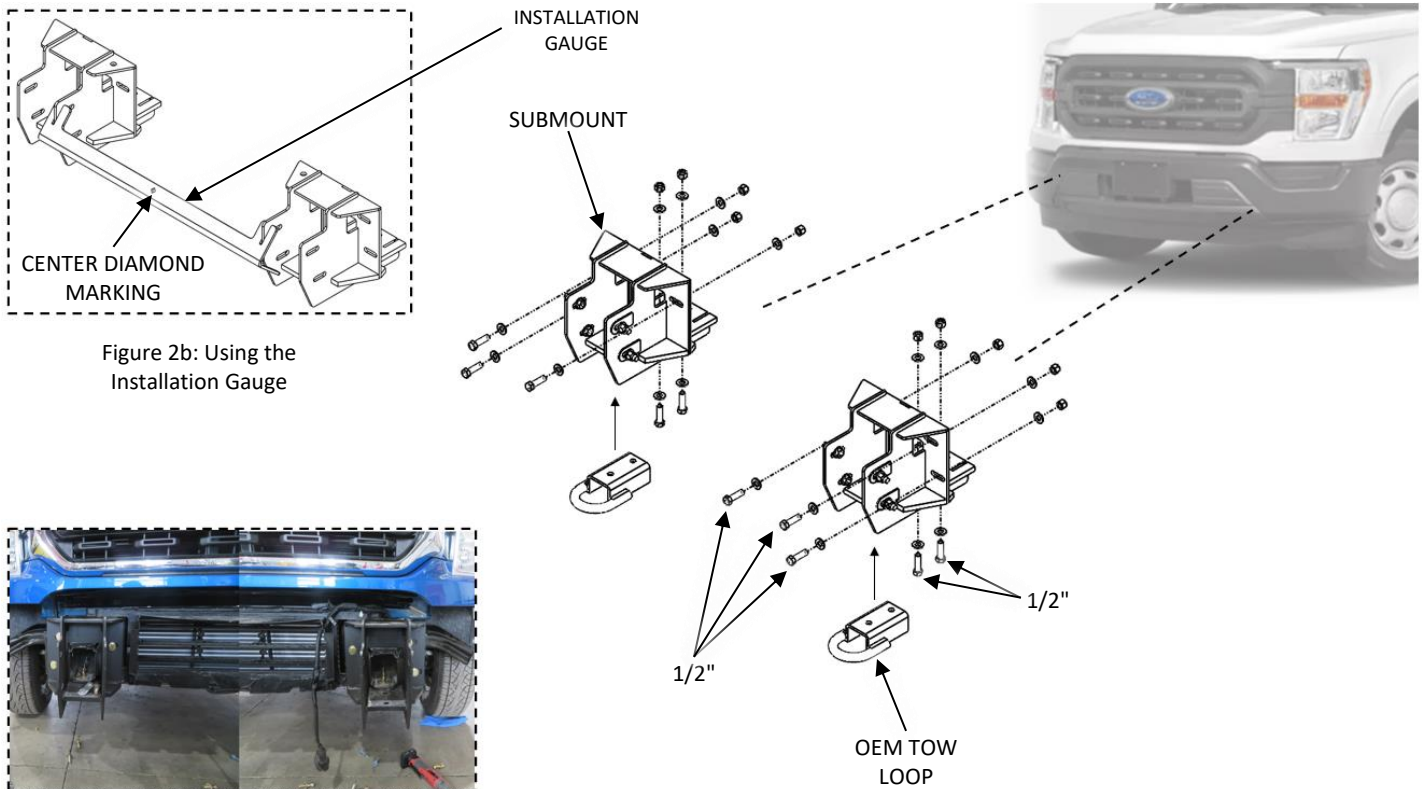


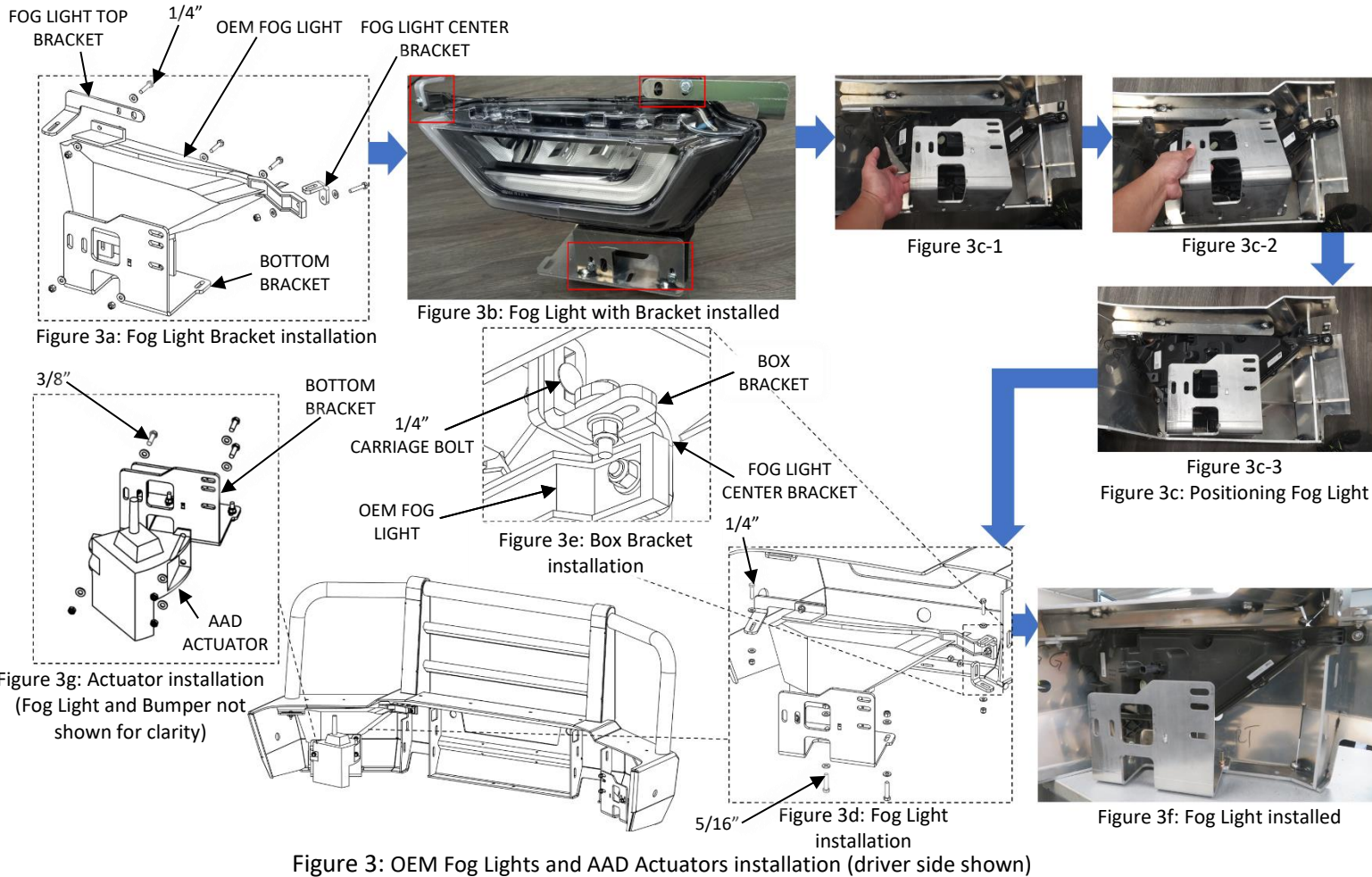
Figure 2a: Submounts installation

Figure 2: Installing the Submounts

II. Installing the Submounts

1. Install the Submounts as shown in Figure 2a, using the provided fasteners (1/2"), to the front and bottom of the truck frame, fasten loosely.
2. Use the Installation Gauge to position the Submounts; the center diamond marking should line up with the center of the truck, see Figure 2b.
3. With the Installation Gauge still in position, tighten all mounting fasteners. **Torque the 1/2" fasteners to 96 ft-lb.**
4. Remove the Installation Gauge.
5. At this point, the OEM tow loops can be installed. However, for ease of installation, it is recommended that the tow loops be mounted during the final step after installing HERD Truck Guard. The OEM tow loops should be attached to the bottom of the Submounts using the OEM fasteners as shown in Figure 2.

HERD FD17L2-02 Installation Procedure



III. Installing the OEM Fog Lights and/or Active Air-Dam (AAD) Actuators (if applicable)

1. Remove the OEM fog lights and/or active air-dam actuators from the OEM front bumper.
2. Remove air-dam from the AAD actuators.
3. Remove the main harness from the OEM front bumper for reinstallation on HERD Truck Guard.
4. Install Fog Light Center Bracket and Fog Light Top Bracket on the OEM fog lights with the provided fasteners (1/4"), see Figure 3a and 3b.
5. Install the Bottom Bracket on the OEM fog lights with the provided fasteners (1/4"), fasten loosely, as shown in Figure 3a and 3b.
6. Install and position OEM fog lights with bracket on HERD Truck Guard as shown in Figures 3c.
7. Install the OEM fog lights and brackets on HERD Truck Guard with provided fasteners, see Figure 3d and 3e.
8. Position the OEM fog lights and tighten all bracket fasteners as shown in Figure 3f.
9. Install AAD actuators (if applicable) with the provided fasteners (3/8"), see Figure 3g.

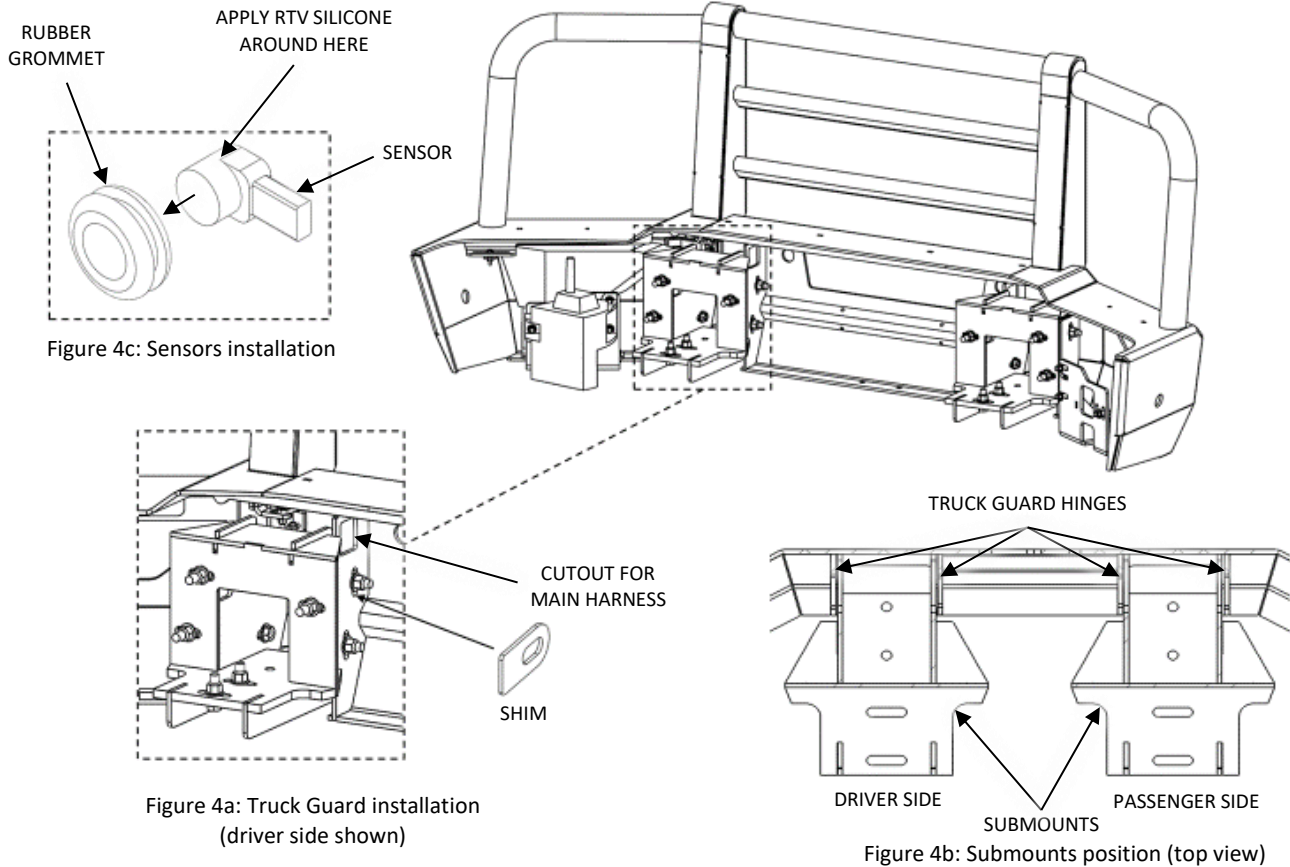


Figure 4: Installing the Truck Guard (view from behind)

IV. Installing the HERD Truck Guard

1. Attach the HERD Truck Guard to the Submounts, **follow the position shown in Figure 4a and Figure 4b**. Use the provided Shims if required. Adjust the HERD Truck Guard if necessary. Tighten all mounting fasteners (1/2") after adjustment, and **torque to 96 lb-ft**.
2. If the truck has parking sensors, remove them from the OEM front bumper (sensor's bezel is not required). Take note of the location of each sensor and harness. Apply RTV silicone all around the cylindrical section of the sensors, then insert the sensors through the rubber grommets on the HERD Truck Guard, see Figure 4c. Ensure locations of the sensors match where they were located on the OEM front bumper.
3. Let the adhesive cure at room temperature. Plug main harness into each sensor, actuator, and OEM fog light (if applicable). Plug main harness back to the truck. Check if each sensor and OEM light functions normally. Secure loose wiring (main harness and block heater cord) with zip ties if necessary.

Important: Check mounting point's hardware after the first 5000 km and every 3-6 months. Re-torque if necessary.