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

I. Removing the OEM Front Bumper

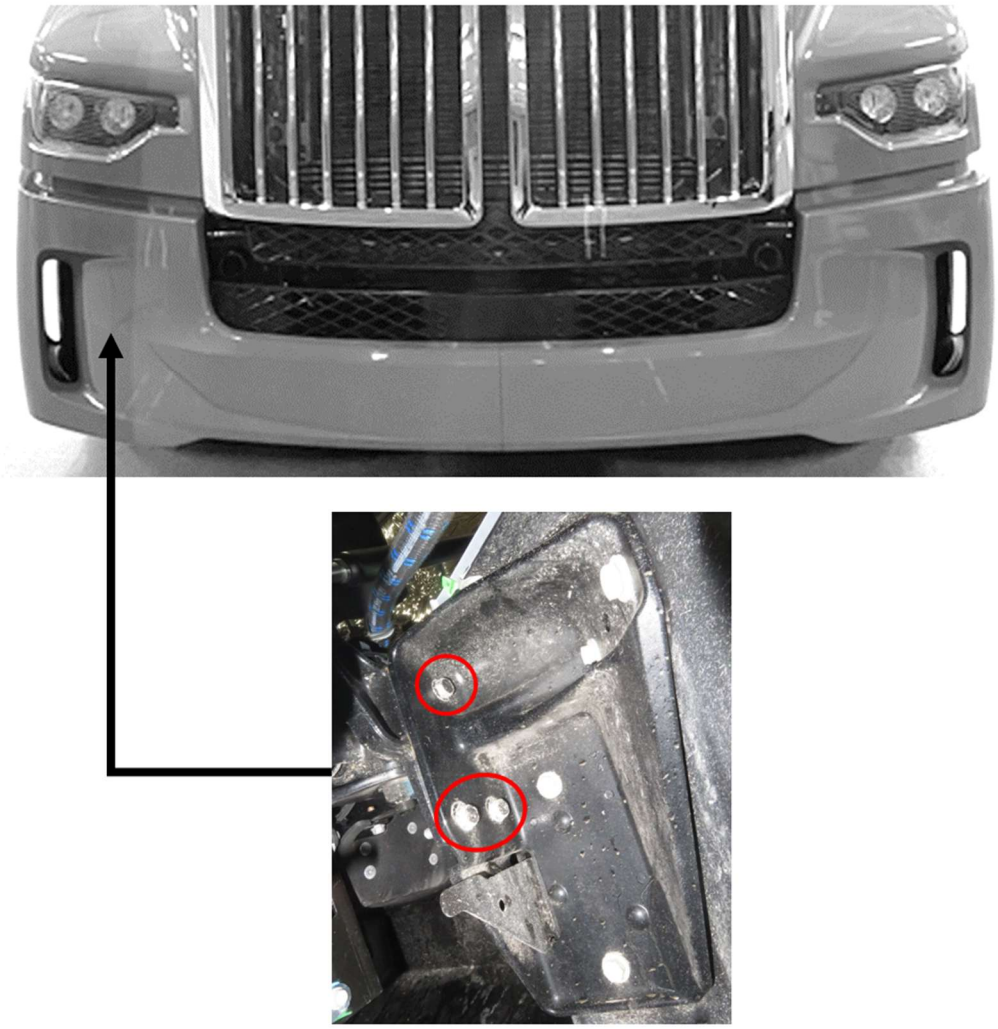


Figure 1a: OEM Front Bumper Fasteners
(Western Star 57X -PS Shown)

Figure 1: Removing the OEM Front Bumper (Your truck may not be exactly as shown.)

1. Unplug the OEM Light's Wiring Harness (if applicable).
2. Remove the OEM Front Bumper by removing the circled bolts shown in Figure 1a.

   Retain OEM Hardware for later use.

II. Installing the HERD Submounts and Truck Guard on a Truck

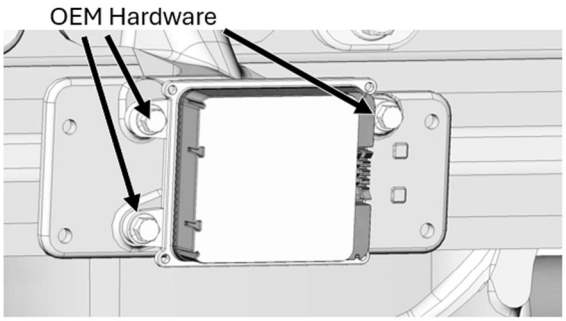


Figure 2a: OEM Radar Sensor Bracket

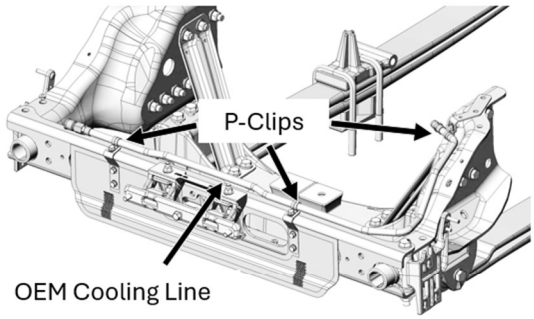


Figure 2c: OEM Cooling Line

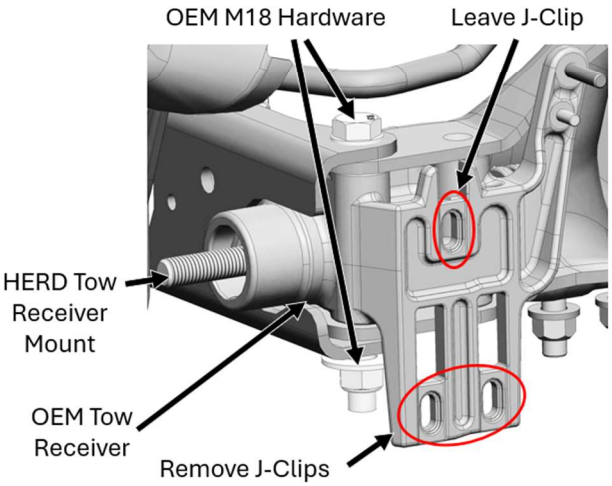


Figure 2b: J-Clips and HERD Tow Receiver (DS Shown)

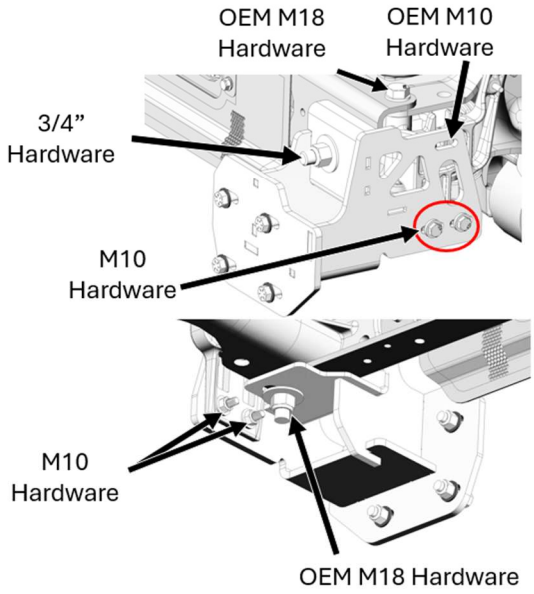


Figure 2d: HERD side Submount (DS Shown)

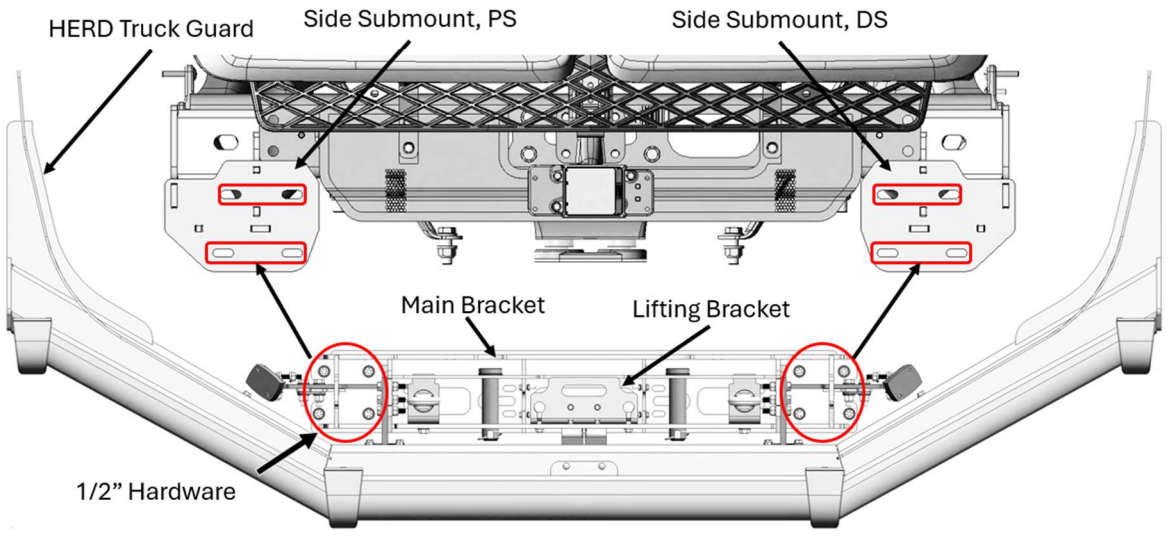


Figure 2e: HERD Truck Guard Assembly

Figure 2: HERD Submounts and Truck Guard Installation on a Truck

1. If the truck is equipped with a Collision Avoidance System (CAS), disconnect the Front Radar Sensor and remove as shown in Figure 2a. Retain the Front Radar Sensor and Hardware for later use.
2. Remove the bottom J-Clips and leave the top J-Clip on the truck's OEM Tow Receiver. See Figure 2b.
3. Insert the HERD Tow Receiver Mount into the OEM Tow Receiver of the truck frame as shown in Figure 2b. Push and rotate the HERD Tow Receiver Mount 90° to lock in place.
4. Remove the OEM M18 Hardware and retain for later use as shown in Figure 2b. You may need to temporarily remove or loosen the P-Clips holding the OEM Cooling Line. See Figure 2c.
5. Install the HERD Side Submount using the OEM Hardware (M18 and M10), and HERD Hardware (3/4" and M10), as shown in Figure 2d. Fully tighten the OEM Hardware (M18 and M10). **Torque the M10 Hardware to 48 ft-lb**, **and the 3/4" Hardware to 240 ft-lb.** Do this one side at a time.
6. Repeat steps 2 to 5 on the other side of the truck.
7. Lift the Main Bracket and Truck Guard (opened) assembly using the Lifting Bracket and mount it to the truck. Fasten the Main Bracket to the HERD Side Submounts using the provided 1/2" Hardware. See Figure 2e. **Torque the 1/2" Hardware to 96 ft-lb**.
8. Re-install and tighten the P-Clips holding the OEM Cooling Line that were previously removed or loosened as shown in Figure 2c.
9. If the truck is equipped with a Collision Avoidance System (CAS), remove the Lifting Bracket. See Figure 2e. Install the CAS onto the HERD Radar Sensor Bracket using the Radar Sensor Bracket Installation Procedure (S009).
10. Close the HERD Bumper and check the Slam Latch adjustment. If necessary, adjust the Slam Latch. Refer to the Slam Latch Installation Adjustment Instructions (S024) to properly adjust your Slam Latch.

Important: Check mounting point hardware after the first 5,000 km and every 3–6 months. Re-torque if necessary.

III. Installing the HERD OEM Light Bracket for a Freightliner Cascadia 4th Generation (FL50)

Note: Western Star 57X (WS30) and Freightliner Cascadia 5th Generation (FL52) are not equipped with OEM Lights.

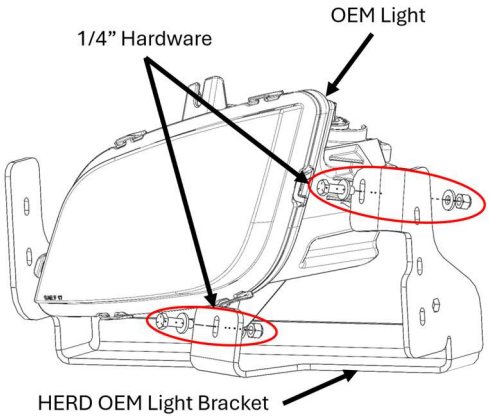


Figure 3a: Install OEM Light into HERD OEM Light Bracket (DS Shown)

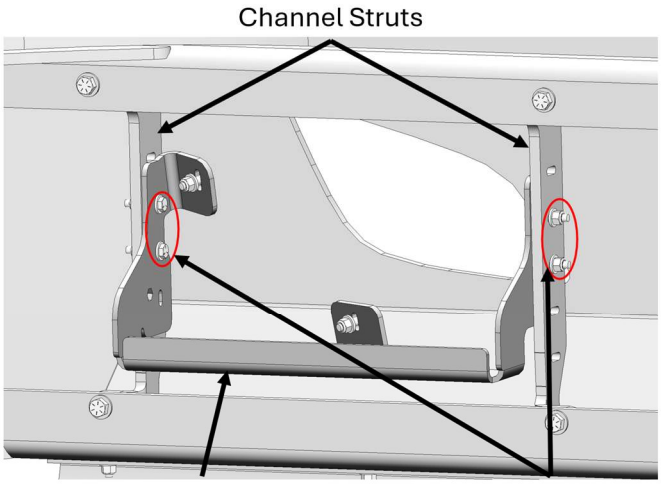


Figure 3b: Install HERD OEM Light Bracket into bumper (DS Shown)

Figure 3: HERD OEM Light Bracket Installation Procedure

Mounting the OEM Light into the HERD OEM Light Bracket first is recommended.

1. Using the provided Hardware, mount the OEM Light into the HERD OEM Light Bracket as shown in Figure 3a. Do not fully tighten yet.
2. Mount the HERD OEM Light Bracket to the bumper struts using the provided Hardware. See Figure 3b.
3. Adjust the HERD OEM Light Bracket alignment as necessary, then fully tighten.
4. Plug the OEM Light's Wiring Harness into each OEM Light and check if it functions normally. Secure loose wiring with cable ties.