

07/13/2021

CAL FTL 54-017

Subject: New Cascadia Side Radar Wiring Harness Inspection**Make: Freightliner****Model: New Cascadia****Model Years Affected: 2020****Build Date Range: October 14, 2019 to March 1, 2020**

Our records indicate that you are the owner of certain vehicles, and DTNA has decided to share the following documentation with you.

General Information

If the wiring harness is not routed properly, harness chaffing may occur on certain New Cascadia vehicles equipped with Detroit Assurance 5.0 Side Guard Assist (data book code 73K-002).

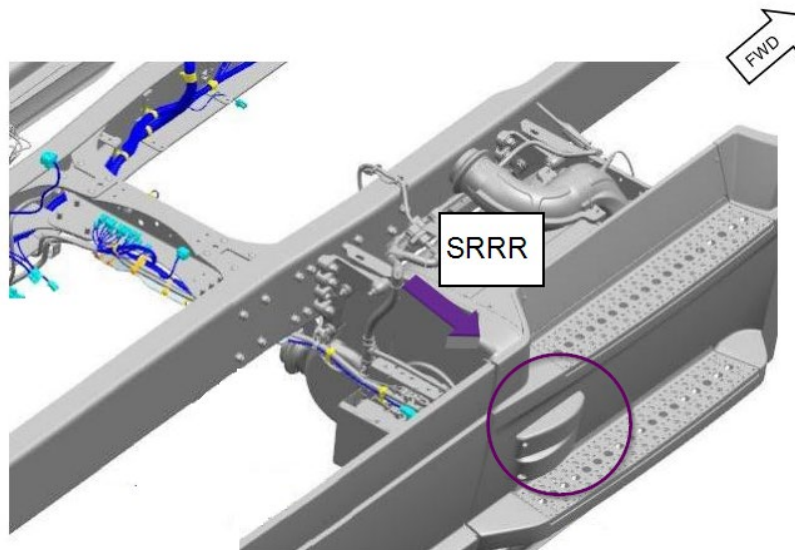


Fig. 1, Side Guard Assist Short-Range Radar Right (SRRR) Modules

Parts

Fastener Parts		
Part Name	Part Number	Quantity
P-Clamp	23-11357-008	1
Fir Tree Tie Strap	23-13482-002	2
Wide Strap Stud Mount Tie Part	23-14390-000	1

Table 1, Fastener Parts

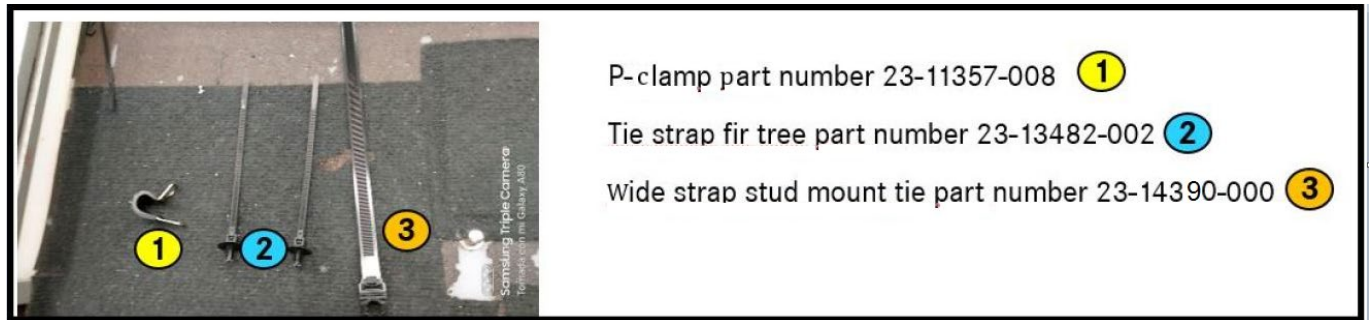


Fig. 2, Fastener Parts Illustrated

Side Guard Assist Short-Range Radar Right (SRRR) Harness Inspection

1. Park the vehicle on a level surface, shut down the engine and apply the parking brakes. Chock the tires.
2. Disconnect the batteries.
3. Remove the covers from the short-range radar right (SRRR) modules on the passenger side of the vehicle.
4. Remove the fairing to gain access to wiring routing. For instructions, see section 31.03, subject 100 Forward Fairing Removal and Installation in the *New Cascadia Workshop Manual*. See **Fig. 3** for an image of the SRRR modules with the fairing removed.

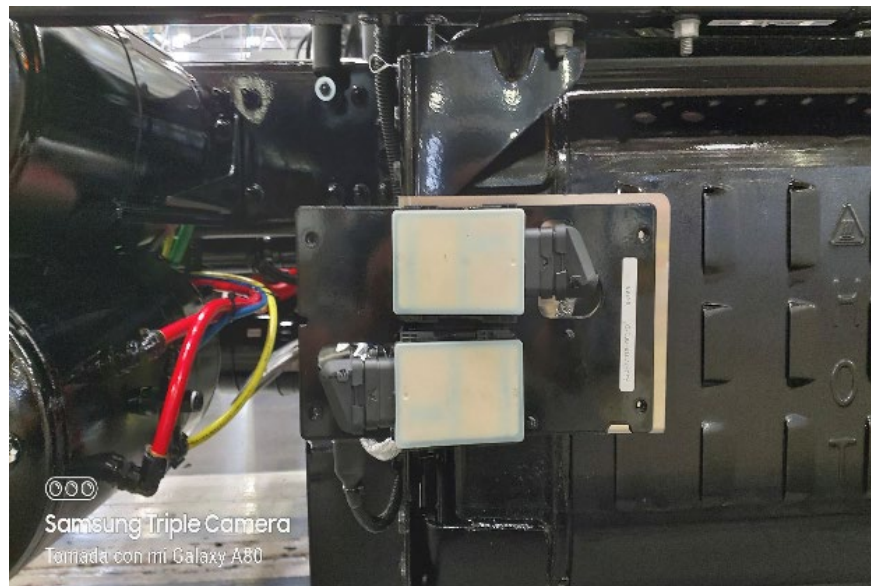


Fig. 3, SRRR Modules with Fairing Removed

5. Inspect the harness routing to the two radar modules.
 - 5.1 Repair any damaged wiring.

5.2 Reroute and properly secure the harness to eliminate the possibility of chafing against the radar or ATD brackets. Reference figures 4 and 5 for guidance on how to properly secure the SRRR harness.

If fasteners are not present, refer to the fastener parts table and illustration for descriptions, part numbers, and quantities needed.

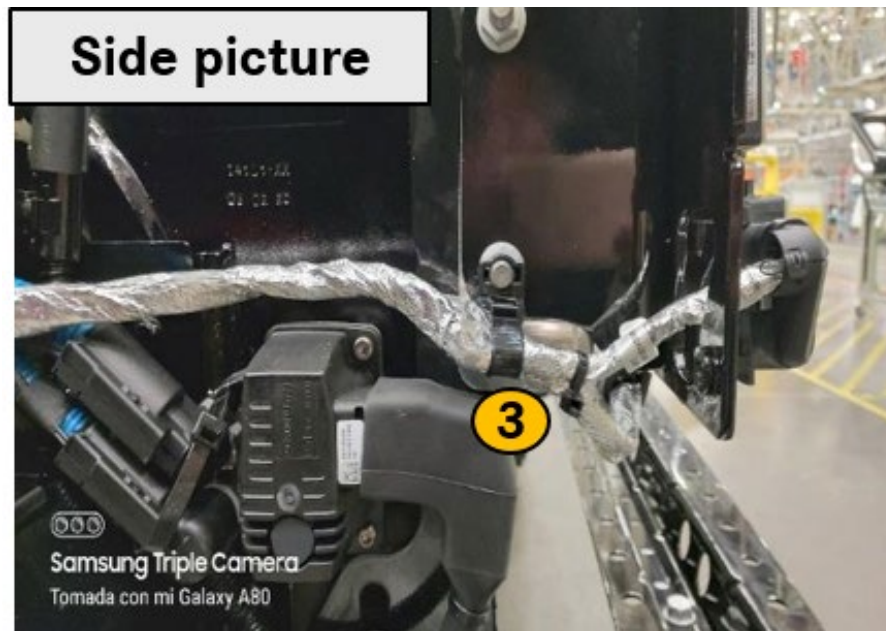


Fig. 4, Harness Secured with Strap Stud Mount Tie

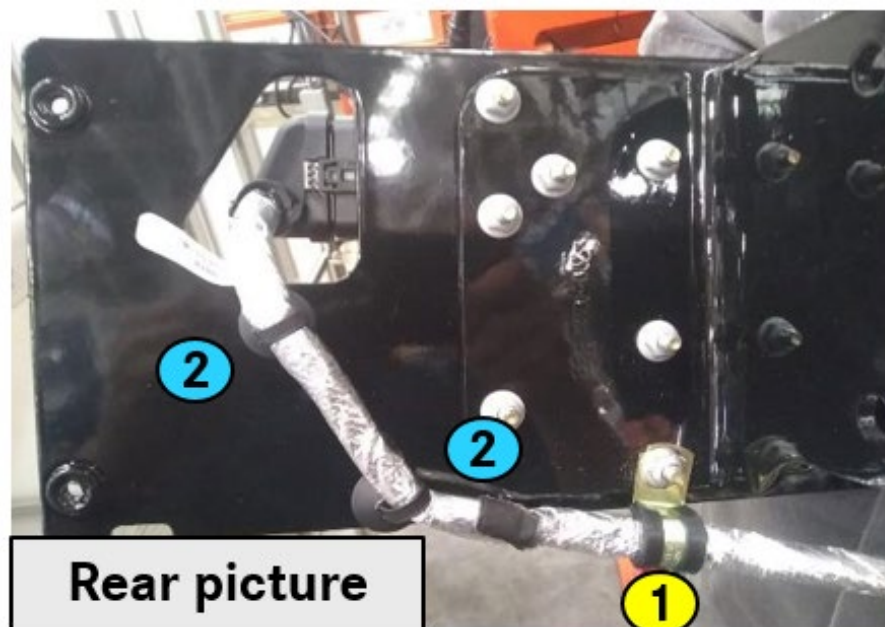


Fig. 5, Harness Secured with P-Clamp and Fir Tie Straps

Daimler Trucks

North America LLC

Customer Advisory Letter

6. Install the fairing.
7. Install the SRRR covers.
8. Connect the batteries.
9. Remove the chocks from the tires.