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SS 3070-FTL2021 P4 New Cascadia Side Guard Radar Harness Moisture Intrusion

Applicable Vehicles:

This solution applies to all P4 vehicles with side radar.

Symptoms:

Active fault codes for lost communication with RDU and SRRM, plus other codes for CPC, CGW and ABS.

Issue:

The 6-pin connector located at the side radar can show signs of water intrusion if wires are strained at the connector. Wires without strain relief can allow water to intrude past the seals, resulting in corrosion on the terminals and pins within the connector. (See Figure 1)

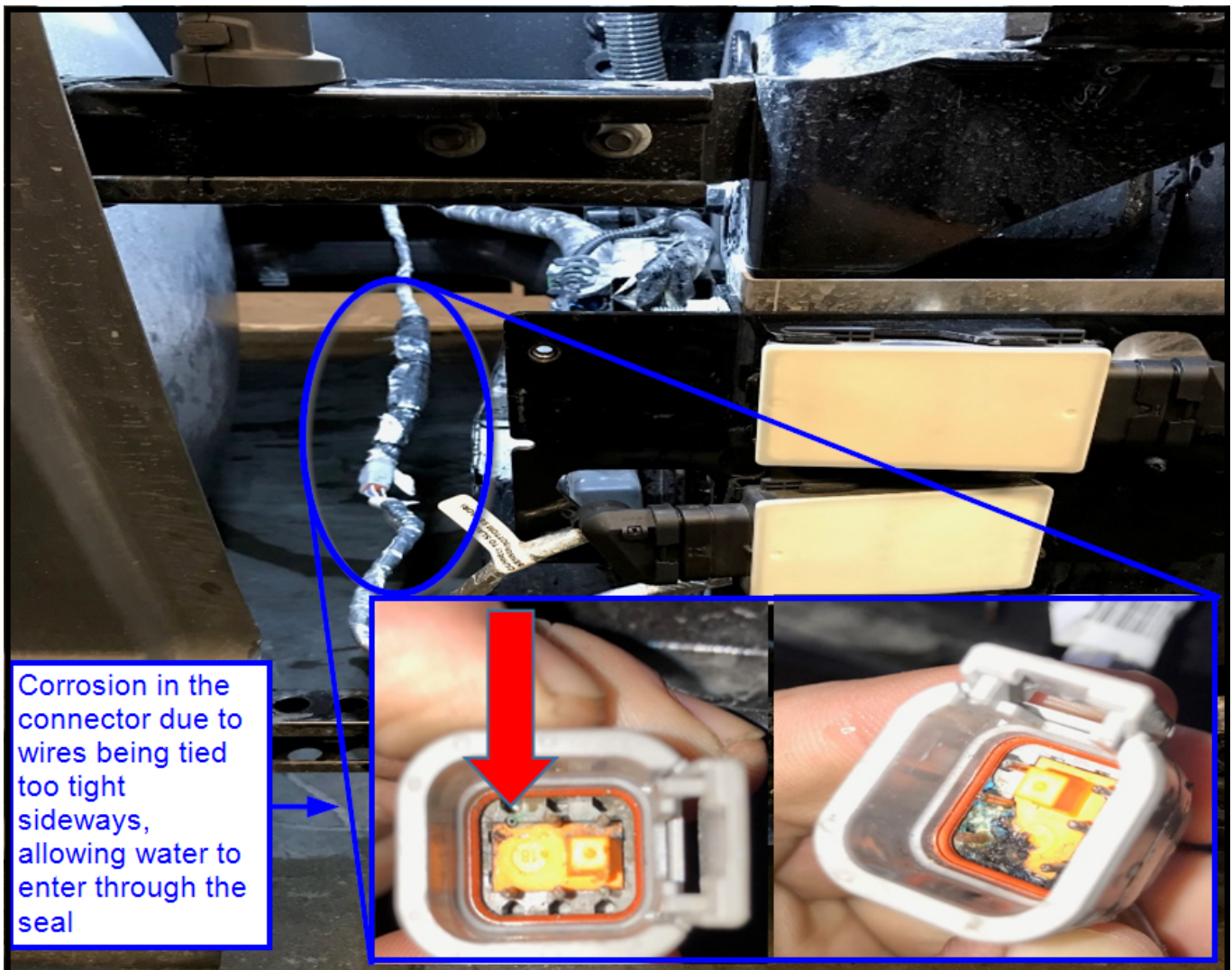


Figure 1 - Water in Connector

Solution:

It is always recommended to mount connectors, ensuring that no strain is created on wires entry point. If terminals or pins are damaged within the connector, it is recommended to replace all damaged parts prior to reassembly.

Once the connectors have been repaired, use locally purchased Arlon tape to cover the connector and wires. (See Figure 2).

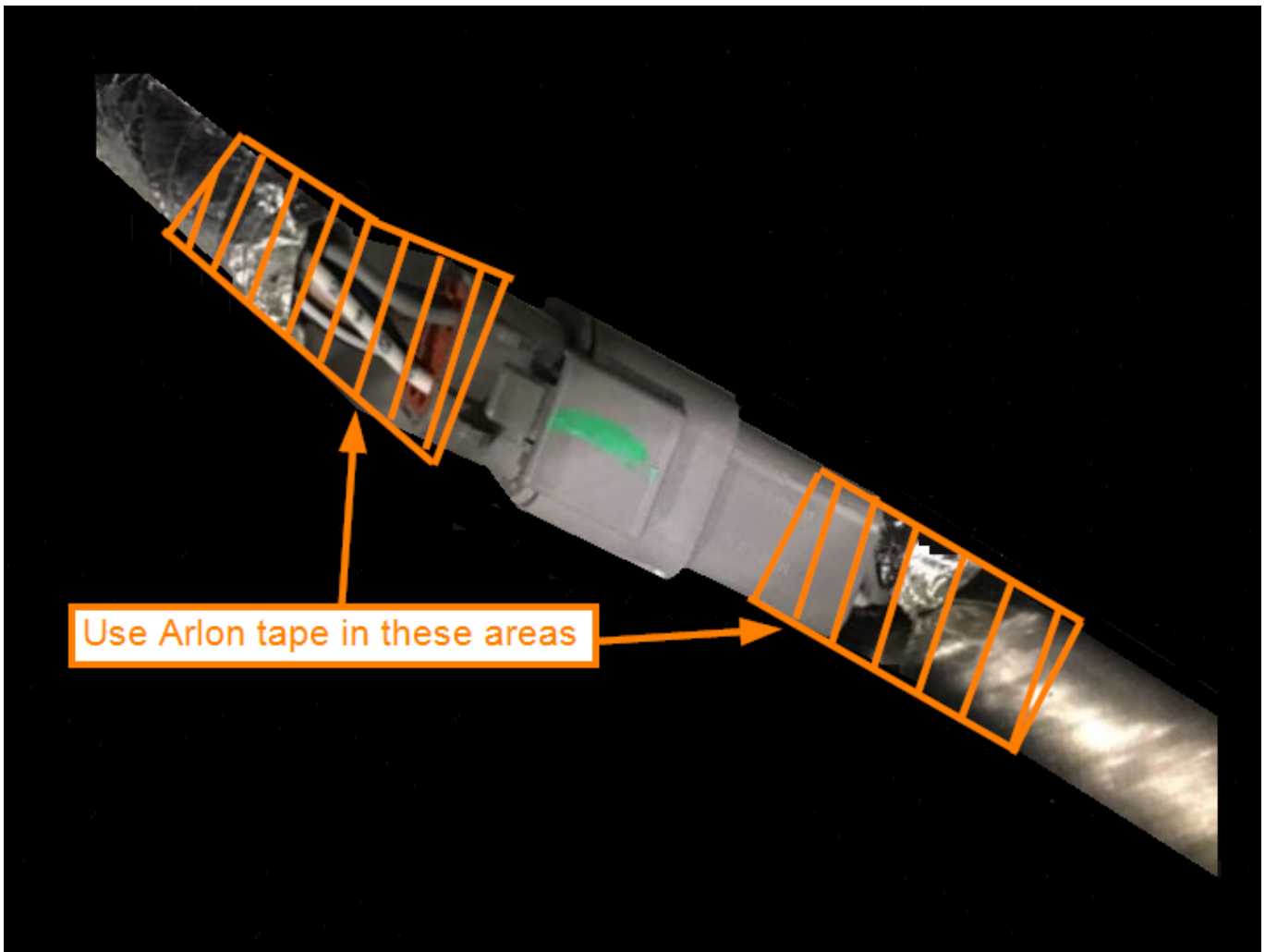


Figure 2 - Area to Apply Arlon Tape

Route the harness so that none of the wires have any strain on them and tie strap them in place. (See Figure 3)

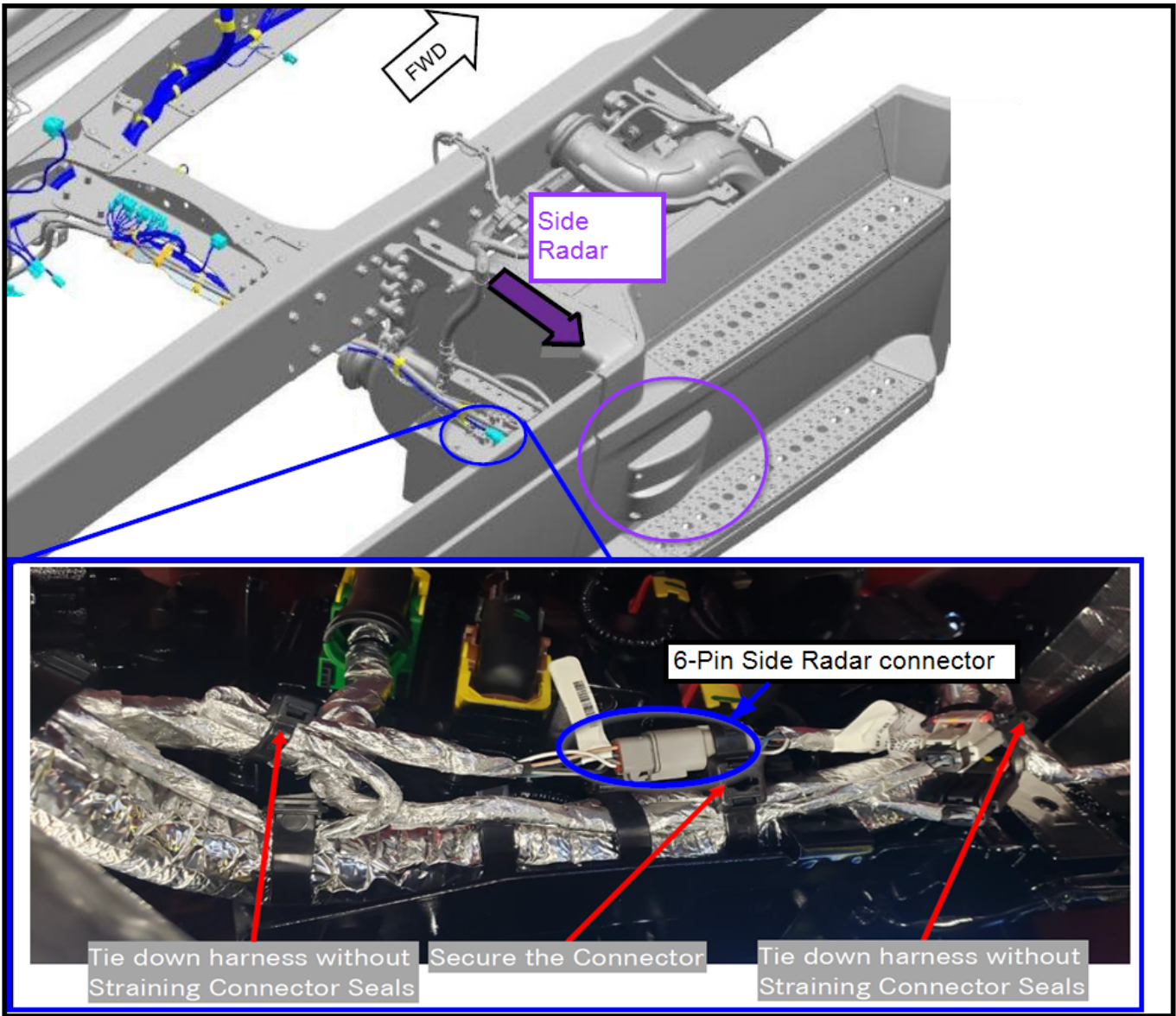


Figure 3 - Side Radar 6-pin Location Showing Wiring Strain Relief

Arlon self-fusing tape. (See Figure 4)

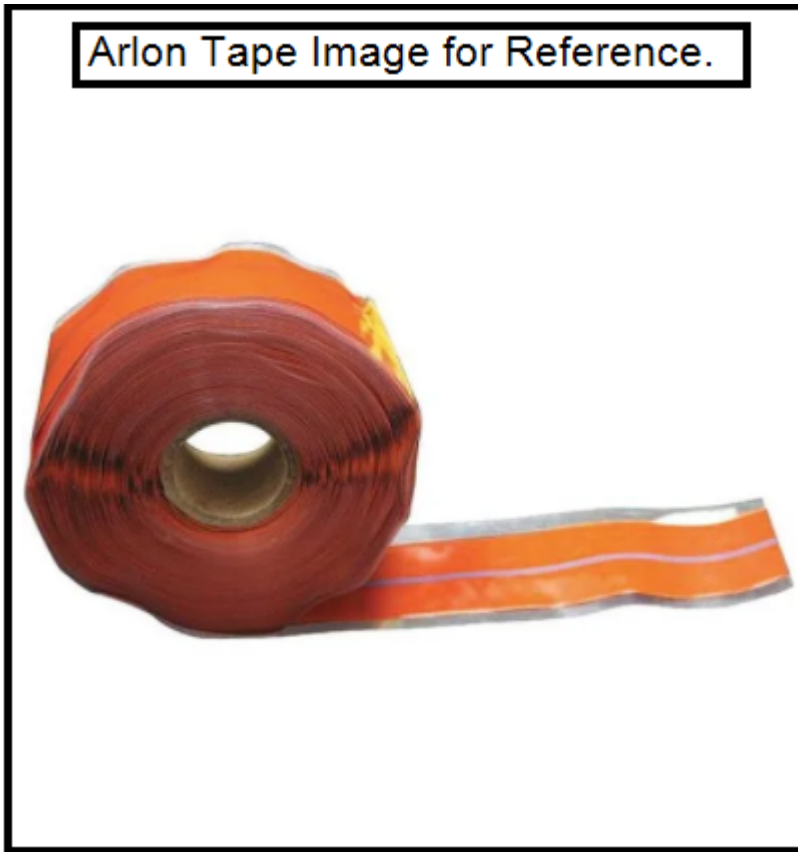


Figure 4 - Arlon self-fusing Tape

Labels :

- Electrical
- New Cascadia

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