MY 2014 - 2023 BV, DT, FD, GA, GU, JL, JT, KL, LA, LD, LX, MP, RU, VF, WD, WK, WL, WS - Remote Start Antenna – Flex

Symptom/Vehicle Issue:

Customer may experience a short range for remote start / remote keyless entry commands from the key fob. This may be accompanied by Tire Pressure Monitoring System (TPMS) issues in which tire pressure information is not displayed on the cluster screen.

Discussion:

The customer may complain about having some issues with remote start and key fob command range (less than 100 m / 328 ft). This range can be reduced to 2 ft away from the vehicle.

Scan the vehicle for DTCs if you find the following DTC: Remote start antenna DTC B1A76-13.

In addition, tire pressure values will not show up in the cluster. Instead, some dashes may show up. DTC B1A76-13 can be accompanied by TPMS DTCs C1501-31 / C1502-31 / C1503-31 / C1504-31 / C151D-00.

Normally, this affects multiple TPM sensors. This can be at all locations, or at certain specific locations as follows:

- DT – Rear TPMS sensors
- JL/ JT – Front TPM sensors
- KL – Front TPM sensors
- LA/ LD/ LX – Front TPM sensors
- MP – Front TPM sensors
- RU – Front TPM sensors
- VF – Rear TPMS sensors
- WD/ WK – Front TPM sensors
- WL/ WS – Front TPM sensors

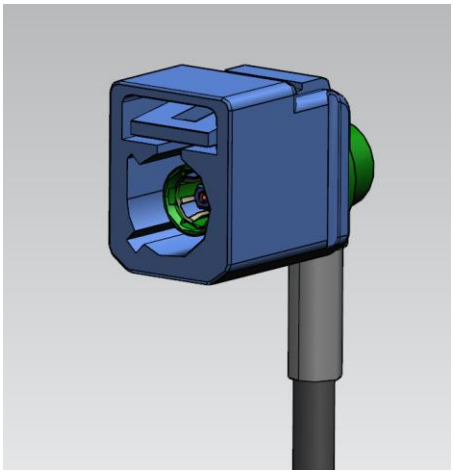
If customer experiences any of these concerns, this can be related to a remote start antenna issue.

Please note that Trailer TPMS is excluded from this specific case / condition.

Diagnosis:

Before replacing any component, it's always recommended to review the antenna for any physical damages or internal issues if any of the DTC or key fob short range symptom above is present:

1. Make sure that Fakra connector is correctly connected and fully seated to RF hub connector. Check if the Fakra connector pin presents any damages as well.



The Fakra Connector located at the end of the antenna cable.

2. Make a visual inspection to verify that the coax cable doesn't present any damage or pinch.
3. Wiggle the coax cable and monitor if the DTC gets active or disappears.
4. Disconnect and reconnect the Remote Start Antenna cable at the RF Hub Module and diagnose.
5. With a known good RSA, connect it directly to the RF Hub and monitor if any range or TPMS issues are disappear.
6. If issue is still present, review RF hub system and key fobs. TPMS may also be reviewed as well.

Repair: If a failure is observed during diagnosis, replace remote start antenna.