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Symptom/Vehicle Issue: Decreased Remote Start And RKE Range. Tire Pressure Sensors Values Are Not Displayed

Discussion: Issues with the remote start antenna can cause decreased RKE/remote start range and loss of tire pressure monitor sensors (TPMS) values.

Diagnosis: Upon scanning the vehicle for DTCs you may find one or more of the following DTC's: Remote start antenna DTC B1A76-13. If the cluster displays dashes instead of the tire pressure sensors. In addition to B1A76-13 you may find one or more of the following TPMS DTC's: C1501-31 / C1502-31 / C1503-31 / C1504-31 / C151D-00.

A failed remote start antenna can cause issues with multiple tire pressure sensors. But the most susceptible sensor locations are listed below based on platform.

- DT - Rear TPM 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 TPM sensors
- WD/WK – Front TPM sensors
- WL/WS – Front TPM sensors

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found



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Before replacing any component, it's always recommended to review the antenna for any physical damages. Perform the following steps to verify the remote start antenna (RSA) is the root cause of the concern.

1. Make sure that remote start antenna connector is correctly connected and fully seated to RF hub. Check the remote start connector pin for any damage.
2. Visually inspect the RSA coax cable for damage.
3. Wiggle the coax cable and monitor if the DTC becomes active or stored.
4. Disconnect and reconnect the Remote Start Antenna cable at the RF Hub Module.
5. With a known good RSA, connect it directly to the RF Hub and monitor if any RKE range or TPMS issues are resolved.
6. If issues are still present, the key fobs, RFH, and TPMS should be investigated further.

Repair Procedure: If there are no connection issues found and the normal operation returns with a known good remote start antenna. Replace the remote start antenna.

Verification: Confirm normal RKE range and TPMS values are restored.

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