



STAR ONLINE PUBLICATION



Case Number: S2208000153 REV. A

Release Date: October 2022

Symptom/Vehicle Issue: Tire Pressure Lamp Flashing, No Tire Pressures Displayed, "Tire Pressure Module (TPM) System Unavailable" Message Displayed on Cluster

Customer Complaint/Technician Observation: Owner complains of one or more of the above conditions. Technician observed the vehicle TPM lamp is on and a Diagnostic Trouble Code (DTC) C151D-00 Tire Pressure Sensor Location Undetermined is setting.

Discussion: When the localization sequence does not complete a total of 10 times consecutively for a single tire pressure placard vehicle or 1 time for a front to rear split pressure tire pressure placard vehicle, the localization fault (C151D-00) is set. Due increased sensitivity on a split tire pressure placard vehicle, it is likely for this fault to only be temporary not requiring parts but only a drive learn cycle. Use the wiTECH 2 to access the Radio Frequency Hub (RFHUB) data folder and read the TPM localization incomplete conditions for details on why the DTC set, see examples below.

Inner Left Wheel Sensor ID	---	Sensors
Inner Right Wheel Sensor ID	---	Sensors
Spare Wheel Sensor ID	---	Sensors
TPM Localization Incomplete - FL wheel implausible pulse ESC identified error	---	Sensors
TPM Localization Incomplete - FR wheel implausible pulse ESC identified error	---	Sensors
TPM Localization Incomplete - RR wheel implausible pulse ESC identified error	---	Sensors
TPM Localization Incomplete - RL wheel implausible pulse ESC identified error	---	Sensors
TPM Localization Incomplete - Likely ESC wheel sensor issue	---	Sensors
TPM Localization Incomplete - Lack of Wheel rotation difference (likely in 4WD)	---	Sensors
Left Front Wheel Rotation Rate	---	Sensors
Right Front Wheel Rotation Rate	---	Sensors
Left Rear Wheel Rotation Rate	---	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, eCONTACT or Service Library entry if no solution is found.



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PERFORM A LOCALIZATION TEST

NOTE: This test makes it easy to drive and view on the TPM display screen that TPM Sensors messages being received and when and the location setting. Low pressure warnings may occur on split placard (examples 60 psi front and 80 psi rear) vehicles until the system completes auto-location successfully.

Verification: To confirm the C151D DTC was set due to temporary conditions, perform a localization test as called out in the Service Library.

Use TPM analyzer tool 2046301080 to perform the vin scan and OBD2 relearn if needed, review MT2109 September 2021 Master Tech and/or Warranty Newsletter Volume 6 Issue 11 – **V6I11: All Vehicles - Tire Pressure Sensors – Reprogramming tips**



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