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Case Number: S2208000080 Rev.B

Release Date: April 2023

Symptom/Vehicle Issue: Ambient Air Temperature Missing, Malfunction Indicator Lamp (MIL) Lamp On, Diagnostic Trouble Code (DTC) P0070-15 Ambient Air Temperature Sensor Circuit-Circuit Short to Battery or Open, P0073 Ambient Air Temperature Sensor Circuit High

Customer Complaint /Technician Observation: The customer will notice that the MIL is illuminated on the cluster. The ambient air temperature may be missing or inaccurate. Technician observed DTC's **P0070-15 Ambient Air Temperature Sensor Circuit-Circuit Short to Battery or Open; P0073 Ambient Air Temperature Sensor Circuit High.**

Repair Procedure: Inspect the involved ambient air temperature circuits G31 & G931 from the Ambient Air Temperature (AAT) sensor in the mirror to the Driver Door Module (DDM) C2 connector to the Body Control Module (BCM) C4 connector for the involved circuits Fig 1 and 2.

NOTE: If a repair is performed to the AAT Sensor wiring, the sensor is replaced, or the BCM connector is disconnected during testing to correct an active DTC, the vehicle must be driven for a minimum of 5 minutes above 15 mph to update the AAT temp signal before the DTC will go stored and can be erased.

NOTE: The AAT Sensor is an individually serviceable component. If the measured resistance from the AAT Sensor does not meet the values from the Technical Data section listed under the diagnostic flow chart for the above DTC's, then only the sensor should be replaced and not the entire mirror assembly.

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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Verification: Clear the DTCs and verify the ambient temperature sensor data is now showing a reading. If the issue is still present, continue with reoccurring DTC diagnostic procedures.

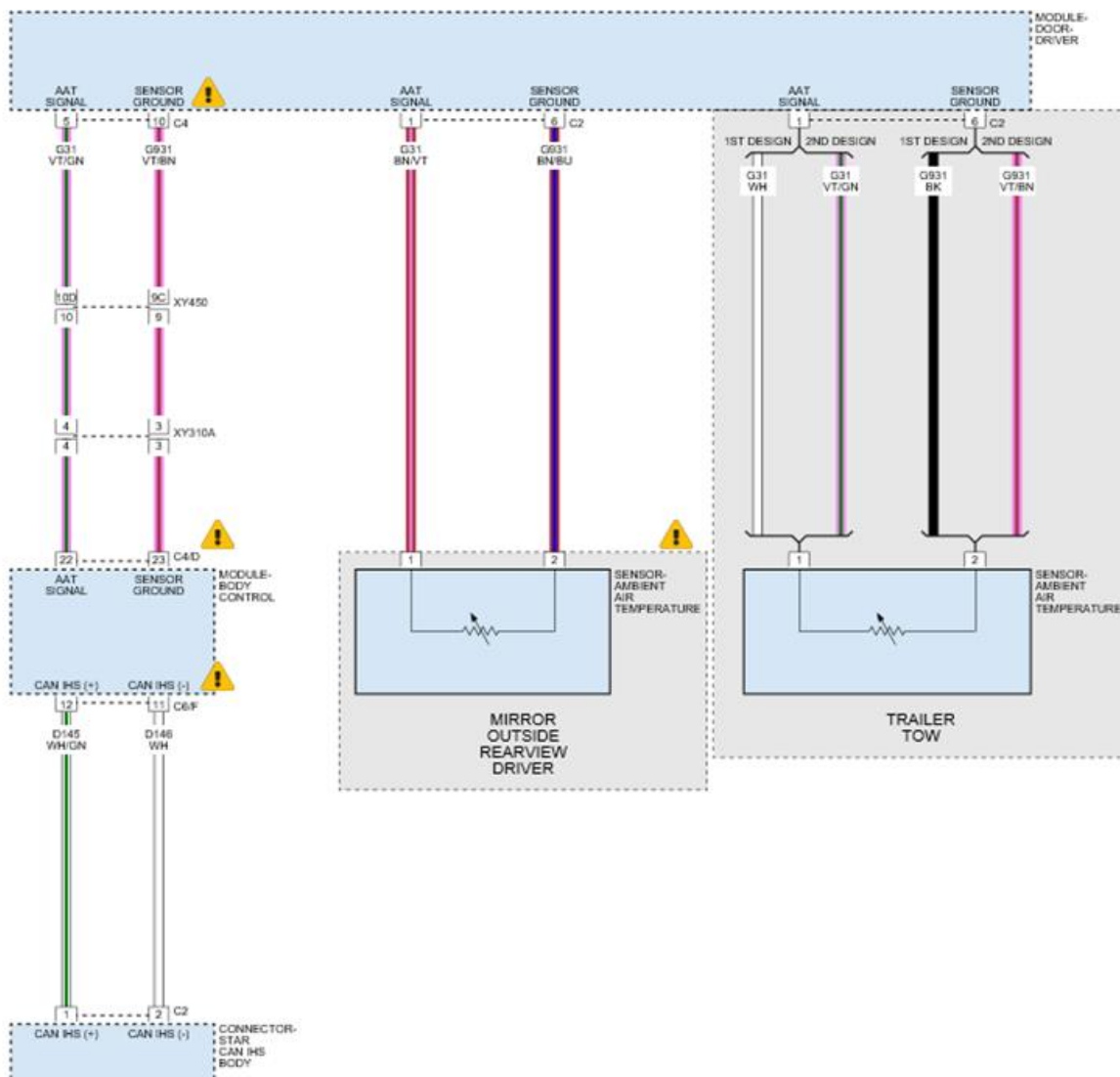


Fig 1

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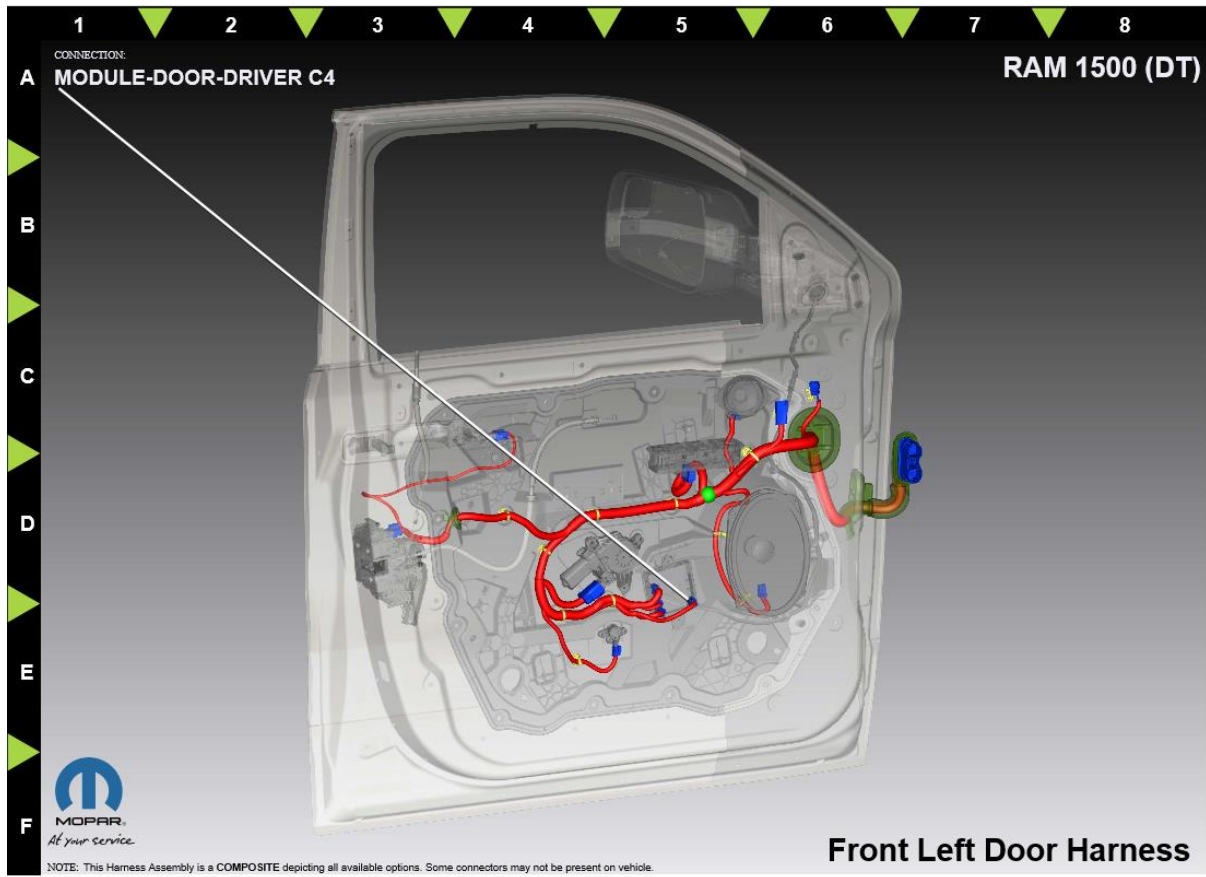


Fig 2

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