

STAR ONLINE PUBLICATION

Case Number: S2008000016

Release Date: 03/04/2020

Symptom/Vehicle Issue: 4WD Lamp On, Service 4WD System, DTC C147B-14 Front Axle Disconnect Sensor-Circuit Short To Ground Or Open

Diagnosis: Drivetrain Control Module (DTCM) detects the Front Axle Disconnect Lock Signal circuit voltage is below 1.19 volts for more than 500ms. Some other connector associated DTC's C1463, C147B, U0001, CAN C BUS, F946 or F525 circuit issues, PCM F946 circuit delay response, CAN C BUS.

- Service telltale lamp will be illuminated and on-screen message to service 4WD/4x4 system will be displayed.
- T-CASE SHIFTING: Limited operation or clutch will be disengaged.
- FRONT AXLE DISCONNECT (FAD) ACTUATOR: Maintain current position.
- FRONT AXLE LOCKER ACTUATOR: Normal Operation
- REAR AXLE LOCKER ACTUATOR: Normal Operation

Repair Procedure: Inspect the Black 34 way XY460A connector for any signs of moisture or corrosion. Connector is located on the passenger side, in front of the rear tire. Clean and secure the connector to repair Fig 1, Fig 2.

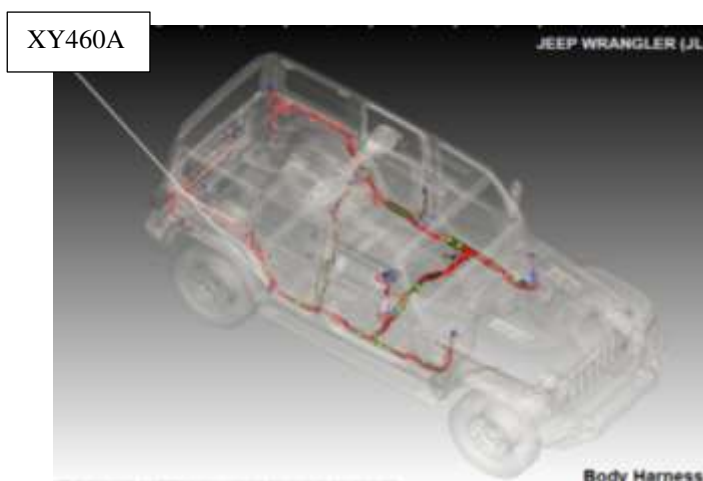


Fig 1

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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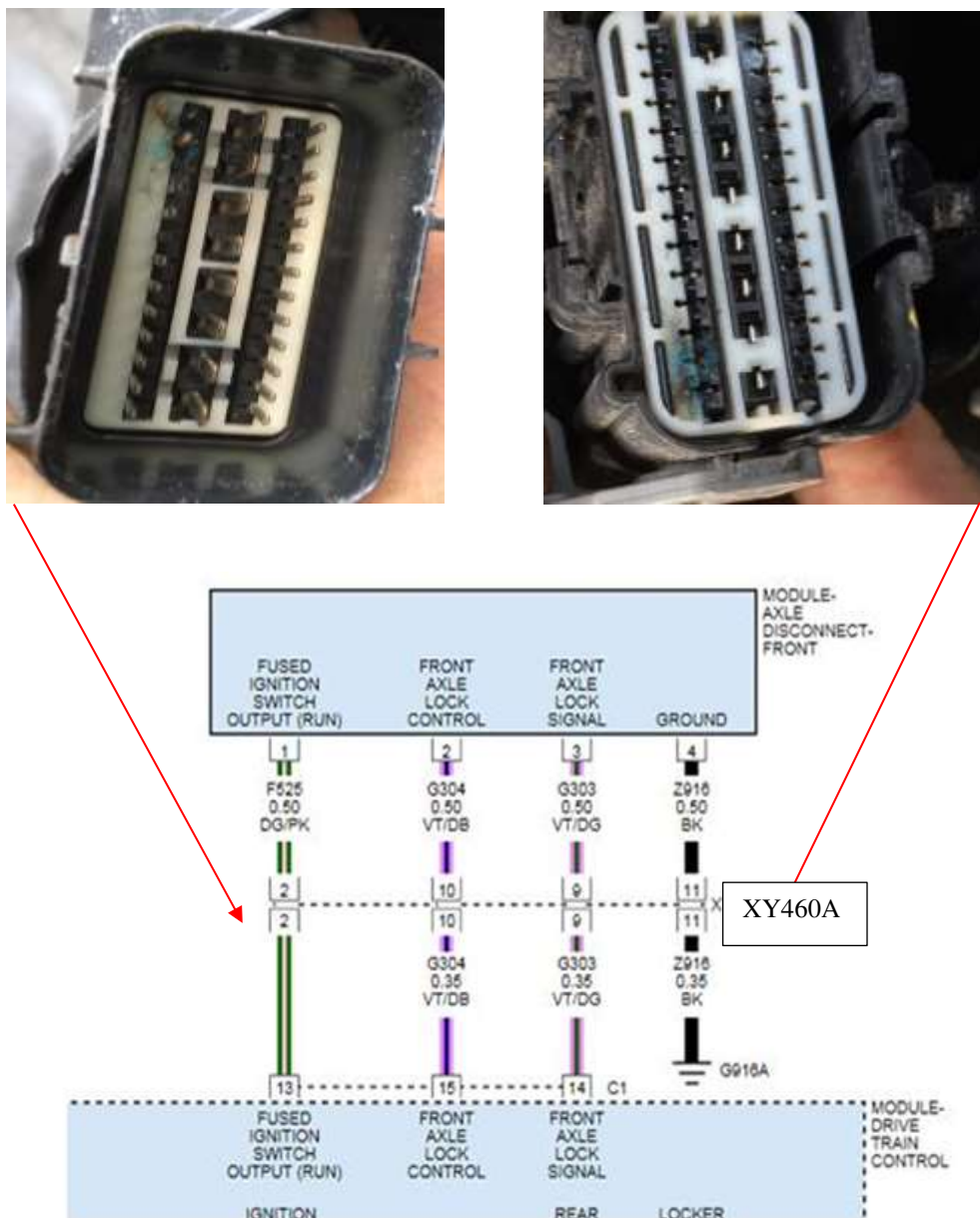


Fig 2

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