



STAR ONLINE PUBLICATION



Case Number: S2503000004

Release Date: November 2025

Symptom/Vehicle Issue: Front Axle Disconnect (FAD) Electrical Connector Design Change On Replacement Axle Assemblies.

Discussion: There has been a design change to the FAD electrical connector on replacement front axle assembly part number 68650450AA. When installing a replacement axle using 68650450AA, you must also replace the FAD electrical connector using part number 68148103AA which is a square style 4-pin connector.

Please follow the connector pinout information below (**Figure 1**) to locate the wires in their correct positions when installing the new connector. Please refer to (**Figure 2**) for current wiring diagram reference.

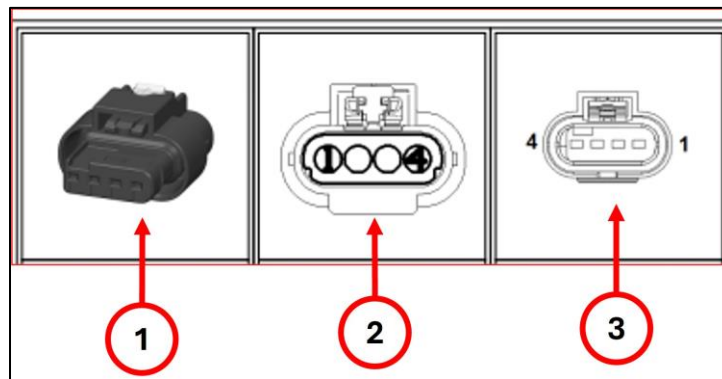


Figure 1.

1. New Connector Design
2. Connector, Wire Insertion Side
3. Connector Face.

- Pin 1 – Circuit F946, Fused Ignition.
- Pin 2 – Circuit G304, FAD Axle Lock Control.
- Pin 3 – Circuit G303, FAD Axle Lock Signal.
- Pin 4 – Z908, Ground.

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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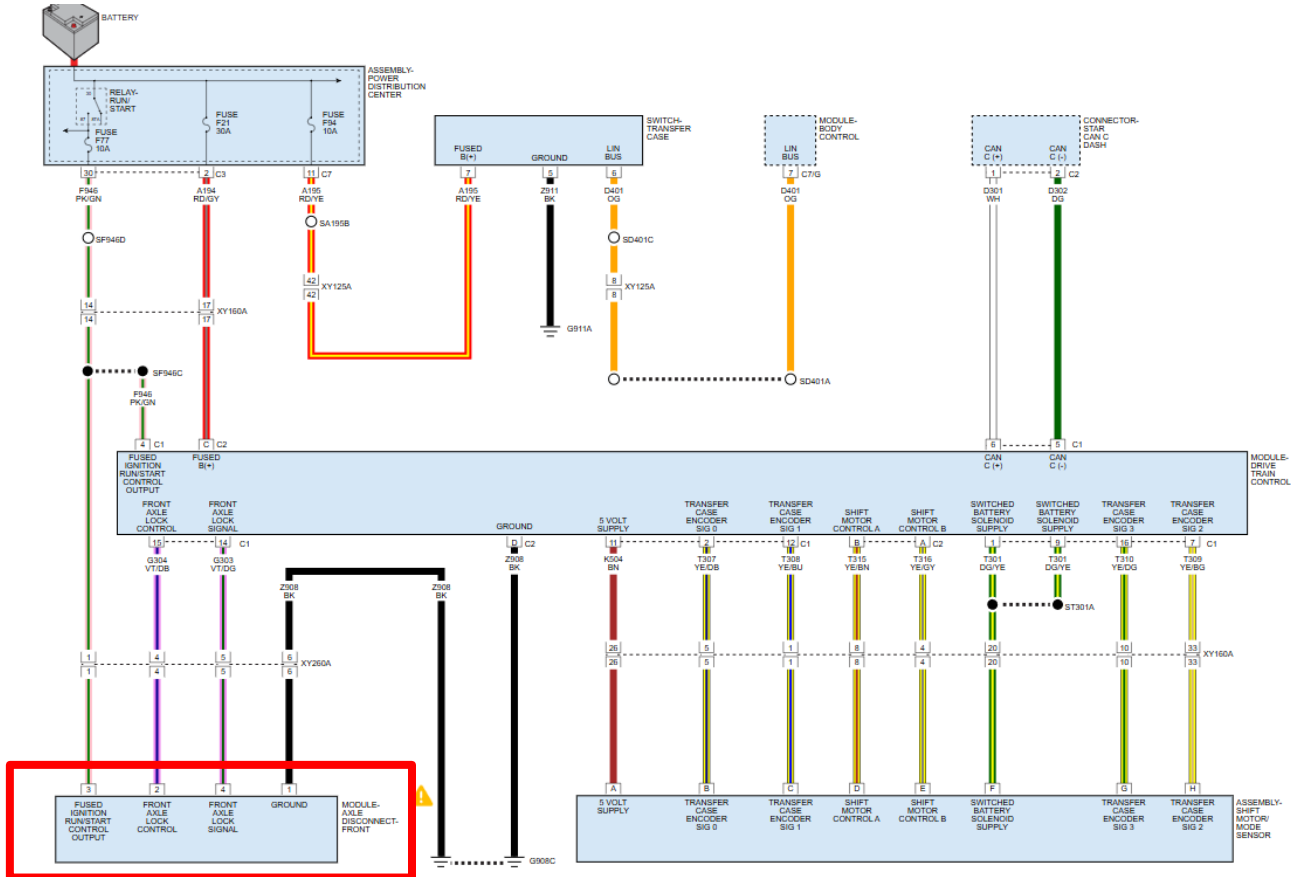


Figure 2.

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