



STAR ONLINE PUBLICATION



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Symptom/Vehicle Issue: Water Intrusion Of The RFH Causes Erratic Operation Of Start/Stop Button And Other RFH Functions Accompanied By Multiple RFH DTCs

Discussion: Some Radio Frequency Hub (RFH) functions may fail to operate or operate erratically such as the Start/Stop button. There may be multiple DTCs set in the RFH. Including but not limited to B1A7D-01 Start Button – General Electrical Failure and/or B1A7D-2A Start Button – Stuck. This could be caused by a water leaking from the rear window seal, 3rd brake light, or antenna resulting in water intrusion into the RFH or one of its connectors.

Diagnosis: Inspect for the presence of moisture underneath the rear window and near the RFH located behind the rear seats. If there is evidence of water intrusion, gain access to the RFH by removing the rear seats and rear cab back panel. (08 - Electrical / 8E - Electronic Control Modules / MODULE, Radio Frequency (RF Hub) / Removal and Installation)

Disconnect the two RFH electrical connectors and remote start antenna connector to inspect for evidence of water intrusion and corrosion. Also remove the cover and inspect the RFH circuit board for signs of water intrusion or corrosion.

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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Repair: Any water leaks should be identified and repaired. If water or corrosion is present inside the RFH, the RFH will need to be replaced. If the connectors are corroded, they will also need to be replaced.

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