



STAR ONLINE PUBLICATION



Case Number: S2608000022

Release Date: April 2026

Symptom/Vehicle Issue: Red Turtle Mode Warning Light Illuminated In The Cluster When Gear Selector Is Shifted Into Drive Or Reverse. Speed Limited To 10 MPH

Models Affected:

2025-2026 Jeep Wagoneer S (KM)

Discussion: The customer may bring their vehicle in because the red turtle mode warning light is illuminated in the cluster anytime the vehicle is shifted into Drive or Reverse. When attempting to drive the vehicle, it will not achieve speeds greater than 10 MPH. Upon scanning the vehicle there are no related DTCs.

The Front Trunk (Frunk) which takes the place of the conventional hood, utilizes two separate ajar switches. They are currently labeled in wiring diagrams as “Switch – Hood Ajar” which provides a direct input to the Body Control Module (BCM) and “Switch – Hood Ajar 2” which provides a direct input to the Electric Vehicle Control Unit (EVCU).

The customer concern described may be related to Hood Ajar Switch 2. If the EVCU believes the Frunk/Hood is open, it will command the red turtle warning light on and limit vehicle speed. This condition will not set any DTCs.

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.

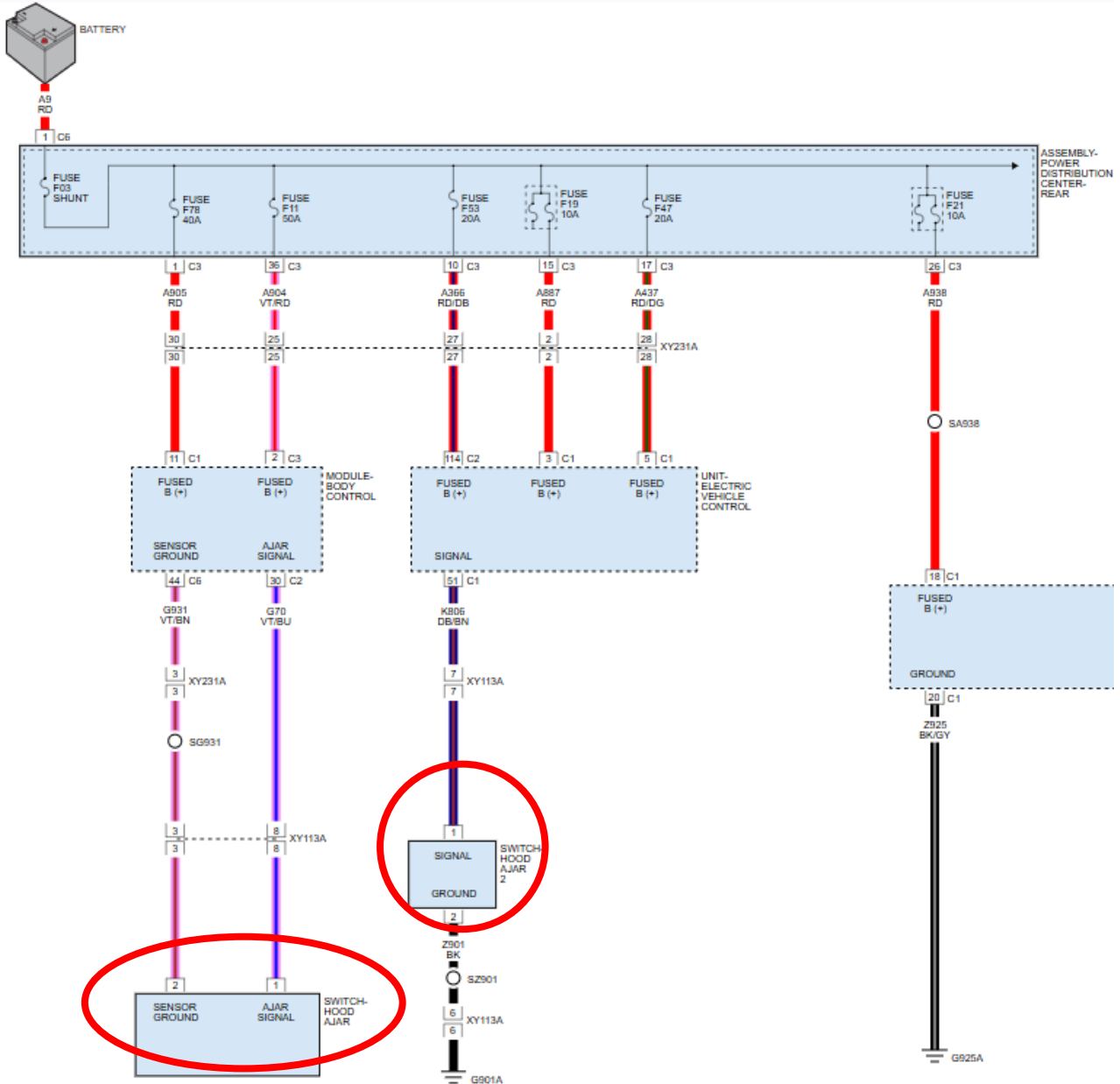
Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.



STAR ONLINE PUBLICATION



REMOTE START SYSTEM



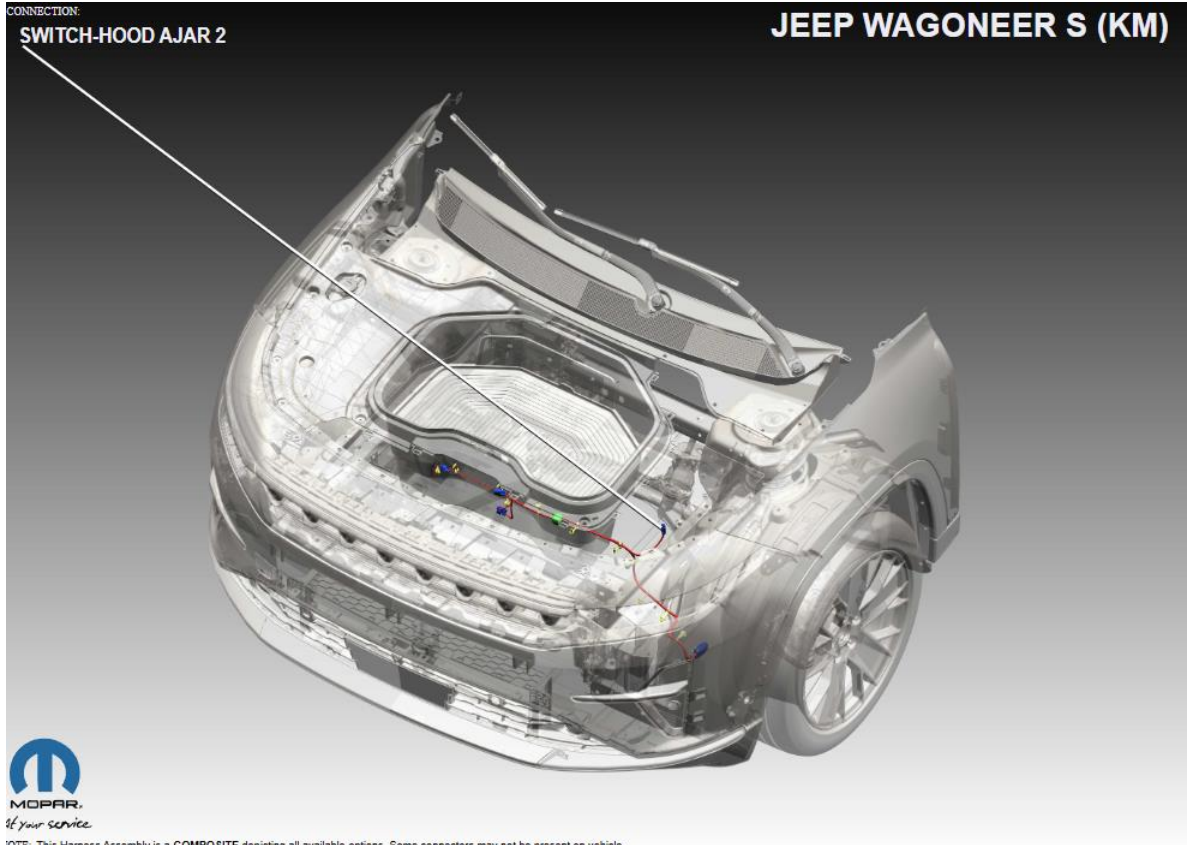
Frunk (Hood Ajar) Switches

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.



STAR ONLINE PUBLICATION



Hood Ajar Switch 2 Location

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.



STAR ONLINE PUBLICATION



Hood Ajar Switch 2

Diagnostics: Using wiTECH review EVCU Data “Engine Hood Redundant Switch Status” and see if it displays “Open” even though the Frunk is physically closed. If the reported position differs from the actual position and customer concern aligns, this STAR Online applies.

First, visually inspect Hood Ajar Switch 2 to see if it’s recessed in the housing or out of place, not allowing the Frunk/Hood to physically depress the plunger in order to change the voltage/status. If necessary, compare the installed height of the switch to a known-good vehicle. It is possible that the switch or its mounting clips have become damaged, not allowing the switch to be retained in the correct position.

If there are no issues identified with mounting of the switch. Inspect inline connector XY113A and the switch connector. Confirm it is fully seated and there is no pin/terminal push out or fitment issue.

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.



STAR ONLINE PUBLICATION



If neither of these common issues are found, further diagnosis of the Hood Ajar Switch 2 circuitry need to be performed. In wiTECH you can review “Engine Hood Redundant Switch Voltage” to assist with diagnosis. The input voltage on pin 51 on the EVCU C1 Connector determines the status.

Hood Ajar Switch 2:

1.8V - 2.2V = Opened

2.2V - 3V = Closed

Repair: If you find that Hood Ajar Switch 2 mounting is compromised. Determine if the switch or housing is damaged. Replace components as necessary. If a connector issue is found at the XY113A, repair using standard procedures.

Verification: After repairs ensure the EVCU “Engine Hood Redundant Switch Status” displays the correct position of the Frunk/Hood. Shift the vehicle to drive or reverse to verify the Red Turtle Mode Warning light is no longer displayed and the vehicle drives over 10 MPH.

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.