



STAR ONLINE PUBLICATION



Case Number: S2310000003

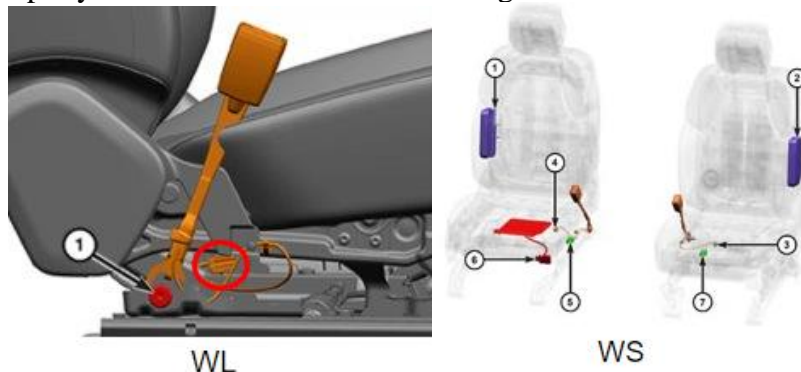
Release Date: January 2025

Symptom/Vehicle Issue: The customer may experience an airbag light on or seat belt chime when buckled.

Customer Complaint/Technician Observation: The customer may experience an airbag light on or seat belt chime when buckled. When the technician performs a scan of the vehicle they may find one of the following DTC's present;
B0050-13-DRIVER SEATBELT SENSOR-CIRCUIT OPEN
B0052-13-PASSENGER SEATBELT SENSOR-CIRCUIT OPEN

Discussion:

1. Prior to performing the "[Wiggle the wiring harness and connectors of the related airbag circuit, sensor, or component](#)" step in the "RESTRRAINTS SYSTEM INTERMITTENT TEST", which is a part of the [Service Procedure for DTCs B0050-13 & B0052-13](#): Confirm that the buckle connections to the harness under the seat are properly seated. Please see attached images.



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



2. Based on the DTCs present, “B0050-13 Driver Seatbelt Sensor – Circuit Open” or “B0052-13 Passenger Seatbelt Sensor – Circuit Open,” check if DTC B0050-13 or B0052-13 are also present.
3. If either DTC B0050-13 or B0052-13 are present, using WiTech confirm that the current (mA) of the 1st row buckle/HES assembly meets the following criteria.
 - a. Turn on the vehicle. When seat belt is unbuckled, via WiTech confirm.
 - i. Battery voltage must be 10 - 16V to confirm 1st Row Driver Seatbelt Buckle Sensor Current
 - ii. "1st Row Driver Seatbelt Buckle Sensor Current" must be above the value provided below based on the vehicle family:
 - 21MY – 24MY WS: 3.35 mA
 - 21MY – 24MY WL: 4.2 mA
 - 21MY-24MY WD: 4.2 mA
 - 21MY-24MY DJ: 5 mA
 - 21MY-24MY DT: 4.2 mA

Note: Both Battery Voltage & 1st Row Driver Seatbelt Buckle Sensor Current values can be found in the "Data" tab in the wiTECH ORC screen. (See Attached Image)

NAME	VALUE	UNIT	TYPE
1st Row Driver Seatbelt Buckle Sensor Current (mA)	14.06	mA	Sensors
1st Row Passenger Seatbelt Buckle Sensor Current (mA)	14.00	mA	Sensors
Battery Voltage	14.66	Volts	Sensors
Passenger Seat Track Position Sensor Current (mA)	14.25	mA	Sensors
Driver Seat Track Position Sensor Current (mA)	14.30	mA	Sensors
Passenger Occupant Detection Sensor Resistance (Ohms)	0.000	kOhms	Sensors

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



4. If the criteria is not met, buckle replacement will be required.

Note: DO NOT pull on the wire to remove the Christmas tree/clip from seat structure when replacing the buckle. (See Reference Image)



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.