



STAR ONLINE PUBLICATION



Case Number: S2623000008

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Symptom/Vehicle Issue: Cruise Control Shuts Off Without Driver Input. Vehicle Has Electronic Stability Control (ESC) Lamp On. C0042 Brake Pedal Position Diagnostic Trouble Codes (DTCs)

Models Affected: 2025-2026 Chrysler Pacifica (RU) with 3.6L engine non phev

Discussion: If the customer has a complaint that matches the above and/or vehicle has 1 or more of the related brake switch related DTCs listed prior to performing any repair see the information below.

C0042-11: BRAKE PEDAL POSITION SENSOR - CIRCUIT SHORT TO GROUND
C0042-2A: BRAKE PEDAL POSITION SENSOR – STUCK
C0042-12: BRAKE PEDAL POSITION SENSOR - CIRCUIT SHORT TO BATTERY

<<<NOTE>>> If a brake pedal sensor is suspected faulty, follow the verification below.

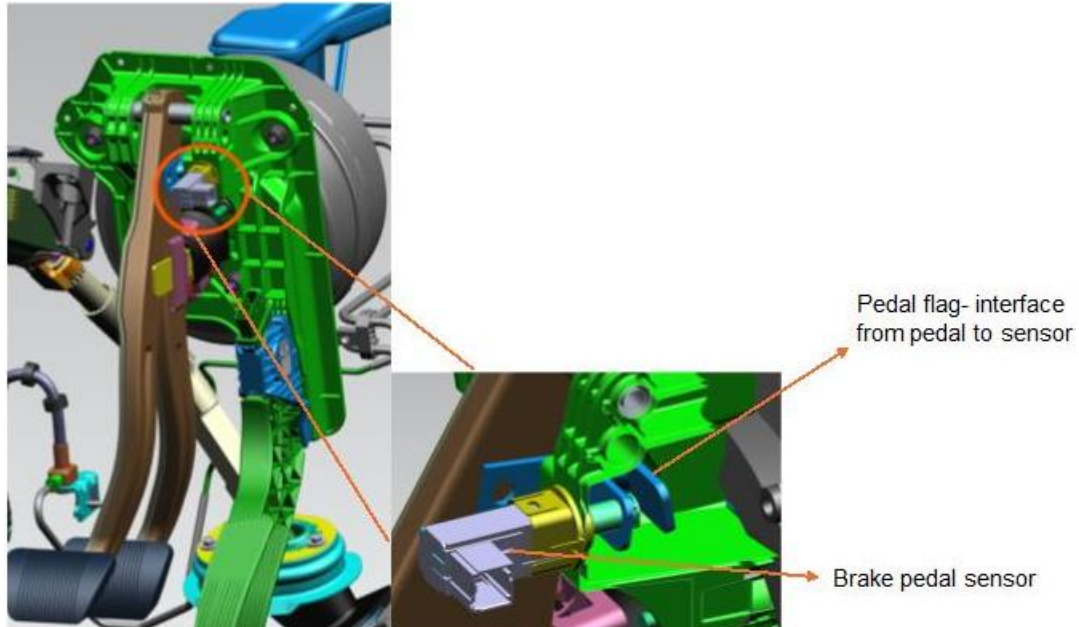
1. Follow the diagnostics for any active DTC set. If the concern is still active proceed to next step.
2. Inspect the assembly of the sensor under the pedal bracket. If the sensor actuator lever is not in contact with pedal flag, correct sensor position per standard process (08 - Electrical / 8L - Lamps and Lighting / Lamps/Lighting - Exterior / SENSOR, Stop Lamp / Removal and Installation). Refer to 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, eCONTACT or Service Library entry if no solution is found.



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3. Disconnect and re-connect the sensor harness connector after checking harness integrity and for bent pins.
4. Perform the “Brake Pedal Sensor Calibration” routine procedure in the ABS module with wiTECH.
5. Clear fault codes and test drive vehicle to confirm repair.
6. If issue still returns with a DTC, proceed with replacing the sensor

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