



STAR ONLINE PUBLICATION



Case Number: S2523000055

Release Date: June 2025

Symptom/Vehicle Issue: Mil-On/Check Engine Lamp (CEL), Antilock Brake System (ABS) Lamp, Diagnostic Trouble Code (DTCs).

Customer Complaint/Technician Observation: Customer may state Service ABS message displays in the instrument cluster along with CEL and ABS lights. Ignition may not shut off and transmission may not shift from park. Technician may find one or more of the following DTC(s):

C003A-62 - Right Rear Wheel Speed Sensor-Signal Compare Failure
C0037-62 - Left Rear Wheel Speed Sensor-Signal Compare Failure
C0037-2F - Left Rear Wheel Speed Sensor-Signal Erratic
C003A-2F - Right Rear Wheel Speed Sensor-Signal Erratic
C0037-1D - Left Rear Wheel Speed Sensor-Circuit Current Out of Range
C003A-1D - Right Rear Wheel Speed Sensor-Circuit Current Out of Range
P0607-00 - ECU Internal Performance
P1731-00 - Incorrect Gear Engaged
U1412-00 - Implausible Vehicle Speed Signal Received.

Discussion:

<<<**NOTE**>>> This document applies to D2 with sales codes **BNB** electronic stability control and **WLA** dual rear wheels.

If the customer complaint and DTCs match the above, perform standard diagnostic for the fault codes. In addition, use a bore scope to inspect the sensor bore and tone wheel for signs of debris or damage that could disrupt or degrade the wheel speed sensor signal. Clean or replace components as needed.

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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<<<**NOTE**>>> If DTC C003A-62, C0037-62, C003A-2F, C0037-2F, C003A-1D or C0037-1D persists as Active or Stored after regular diagnosis, please replace the wheel speed sensor. Use StarParts to confirm usage. The rear axle speed sensors are unique to their position.

Part number to be used based on the location must be:

68646345AA: WHEEL SPEED ABS Rear Left - SENSOR ASSY

68646344AA: WHEEL SPEED ABS Rear Right- SENSOR ASSY



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