



## STAR ONLINE PUBLICATION



**Case Number:** S2405000001 Rev A.

**Release Date:** January 2025

**Symptom/Vehicle Issue:** Antilock Brake System (ABS) Module Will Not Initialize After Recent Service Replacement.

**Discussion:** ABS fails wiTECH initialization routines with a new MOPAR service replacement ABS module installed. The following Diagnostic Trouble Codes (DTCs) may be set.

C0042-54 Brake Pedal Position Sensor-Missing Calibration

C2200-46 Anti-lock Brake Module Internal-Calibration / Parameter Memory Failure

C2206-00 Vehicle Configuration Mismatch

C2212-00 ECU In - Plant Mode

C006C-9A Stability System-Component or System Operating Conditions

C220B-00 ABS ACC Valves Not Calibrated

C006A-54 Multi-axis Acceleration Sensor-Missing Calibration

If the vehicle matches the above condition, first label and retain the original ABS module. It is also suggested to reinstall the original module and be sure to run through the original DTCs set. Ensure pins are not damaged, power, ground, and bus to the module are tested and found to pass inspection. If the diagnostics and inspections lead to ABS replacement, engineering is investigating the above DTCs and failing initialization. An update will be provided via this STAR Online Publication number. Please select the blue button "GET NOTIFIED" in the upper right of this window to be notified when a resolution is made available.

**Note:** If the ABS module was replaced prior to January, compare the current StarPARTS ABS module part number to what is installed in the vehicle. If they are different, order the StarPARTS listed part and place it on VOR prior when possible.

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.**