

DTC C0563

Circuit Description

On the power-up self test, the calibration data stored in the electronically erasable programmable read-only memory (EEPROM) is copied to shadow RAM. Data checksums are generated and verified, and the data in shadow RAM is verified against the contents of the EEPROM. In certain situations data is written to the EEPROM. In these circumstances any checksums are recalculated, and the data written to the EEPROM is read back and compared with the original data.

DTC Descriptor

This diagnostic procedure supports the following DTC:

DTC C0563 Calibration Read-Only Memory (ROM) Checksum Error

Conditions for Running the DTC

The ignition is ON.

Conditions for Setting the DTC

If the EEPROM test fails then it is repeated. If the fault is still present after 5 test cycles, then a DTC is set.

Action Taken When the DTC Sets

- Air Suspension functionality is suspended.
- SERVICE AIR SUSPENSION message is displayed.

Conditions for Clearing the DTC

DTC is cleared by cycling ignition.

Step	Action	Yes	No
<i>Schematic Reference:</i> Suspension Controls Schematics			
1	Did you perform the Diagnostic System Check - Vehicle?	Go to Step 2	Go to Diagnostic System Check - Vehicle in Vehicle DTC Information
2	Perform the suspension position calibration. Refer to Suspension Position Calibration . Does the DTC reset?	Go to Step 3	System OK
3	Replace the air suspension module. Refer to Control Module References in Computer/Integrating Systems for replacement, setup, and programming.		

© 2021 General Motors Corporation. All rights reserved.

	Did you complete the replacement?	System OK	--
--	-----------------------------------	--------------	----