

DTC P0562 (FPCM)

Diagnostic Instructions

- a) Perform the Diagnostic System Check – Vehicle prior to using this diagnostic procedure.
- b) Review Strategy Based Diagnosis for an overview of the diagnostic approach.
- c) Diagnostic Procedure Instructions provides an overview of each diagnostic category.

DTC Descriptor

DTC P0562: System Voltage Low – FPCM 12 V
Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
B+	P0562	P0562	—	—
Ground	—	P0562	—	—

Circuit/System Description

The fuel pump control module (FPCM) monitors the 12 V battery voltage to ensure that the voltage stays within the proper range. Damage to components, and incorrect data may occur when the voltage is out of range.

Conditions for Running the DTC

- a) The engine is running.
- b) The 12 V battery voltage is 9.5–18 V.

Conditions for Setting the DTC

The FPCM detects that the 12 V battery voltage is less than 10 V for 5 seconds.

Action Taken When the DTC Sets

DTC P0562 is a type C DTC.

Conditions for Clearing the DTC

DTC P0562 is a type C DTC.

Circuit/System Verification

- 1) Engine running, accessories OFF, measure and record the battery voltage at the 12 V battery terminals. The voltage should be between 12.6 and 15.0 V.

If not within the specified range, refer to Charging System Test (Acadia or Enclave) or Charging System Test (OUTLOOK).

- 2) Observe the scan tool FPCM Ignition 1 Signal parameter. The reading should be between 12.6 and 15.0 Volts.

Circuit/System Testing

- 1) Ignition OFF, disconnect the harness connectors at the FPCM.
- 2) Ignition OFF and scan tool disconnected, open and close the driver door, and wait 30 seconds. Test for less than 5 Ω between the ground circuit terminal 1 and ground.

If greater than the specified range, test the ground circuit for an open/high resistance.

- 3) Verify that a test lamp illuminates between the B+ circuit terminal 32 and ground.

If the test lamp does not illuminate, test the B+ circuit for a short to ground or an open/high resistance.

- 4) Ignition ON, verify that a test lamp illuminates between the ignition circuit terminal 15 and ground.

If the test lamp does not illuminate, test the ignition circuit for a short to ground or an open/high resistance.

- 5) If all circuits test normal, replace the FPCM.