

## DTC P0563 (ECM)

### 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 P0563:** System Voltage High – ECM

### Diagnostic Fault Information

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

### Circuit/System Description

The engine control module (ECM) monitors the system voltage to ensure that the voltage stays within the proper range. Damage to components, and incorrect data may occur if the voltage is out of range.

### Conditions for Running the DTC

The engine is running.

### Conditions for Setting the DTC

The ECM detects that the battery voltage is greater than 18 V for 5 seconds.

## Action Taken When the DTC Sets

DTC P0563 is a type C DTC.

## Conditions for Clearing the DTC

DTC P0563 is a type C DTC.

## Diagnostic Aids

- a) This DTC could be set by overcharging with a battery charger or jump starting.
- b) A high voltage value in multiple modules indicates a concern in the charging system.

## Circuit/System Testing

- 1) Engine running, accessories OFF, measure and record the battery voltage at the 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) If all circuits test normal, replace the ECM.