ECM/PCM POWER RELAY CONTROL CIRCUIT HIGH - DTC CHART

P0687 - ECM/PCM POWER RELAY CONTROL CIRCUIT HIGH - DTC CHART

Description: This DTC sets when the ignition switch position run (ISP-R) circuit indicates the ignition is in the OFF, ACC, or LOCK position, and the amount of time the PCM remains powered through the PCM power relay exceeds a predetermined amount of time.

Possible Causes:

- PCMRC circuit short to voltage
- Damaged PCM power relay

Diagnostic Aids: Ability to communicate with the PCM when the ignition is in the OFF, ACC, or LOCK position indicates a hard fault.

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	GO to Pinpoint Test B .		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0689 - ELECTRONIC CONTROL MODULE (ECM)/POWERTRAIN CONTROL MODULE (PCM) POWER RELAY SENSE CIRCUIT LOW - DTC CHART

P0689 - ELECTRONIC CONTROL MODULE (ECM)/POWERTRAIN CONTROL MODULE (PCM) POWER RELAY SENSE CIRCUIT LOW - DTC CHART

Description: This DTC sets when the ISP-R and the INJPWRM circuit voltages do not correspond for a calibrated period of time.

Possible Causes:

- Ignition circuit fuse
- ISP-R circuit open
- ISP-R circuit short to ground
- VPWR circuit short to voltage
- INJPWR circuit short to voltage
- Damaged ignition switch
- Damaged fuel pump relay
- Damaged PCM power relay

Diagnostic Aids: The INJPWRM PID voltage reading should be 0 volts when the ignition is in the OFF, ACC or LOCK position.