

TEMPERATURE, INLET AIR TEMPERATURE, TRANSMISSION FLUID TEMPERATURE OR VACUUM-BOOST), IS INOPERATIVE

Normal Operation and Fault Conditions

See Virtual Gauges. REFER to: Instrument Panel Cluster (IPC) - System Operation and Component Description .

Accelerometer

- If the vehicle lateral acceleration or vehicle longitudinal acceleration data messages are missing, invalid or unknown for less than 5 seconds, the IPC defaults the accelerometer display to the last setting based upon that last message received.
- If the vehicle lateral acceleration or vehicle longitudinal acceleration data messages are missing for 5 seconds or longer, the IPC sets DTC U0121:00 and defaults the red dot in the accelerometer display off.
- If the vehicle lateral acceleration or vehicle longitudinal acceleration data messages are invalid for 5 seconds or longer, the IPC sets DTC U0415:00 and defaults the red dot in the accelerometer display off.
- If the vehicle lateral acceleration or vehicle longitudinal acceleration data messages are unknown for 5 seconds or longer, the IPC sets DTC U0415:81 and defaults the red dot in the accelerometer display off.

Air Fuel Ratio

- If the air fuel ratio display message is missing for less than 5 seconds, the IPC defaults the air fuel ratio gauge and digital display to the last indication state, based upon the last message received.
- If the air fuel ratio display message is missing for 5 seconds or longer, the IPC sets DTC U0100:00 and defaults the air fuel ratio gauge to the lowest displayed stop (10) and the digital display blank.

Axle Temperature (SVT Only)

- If the axle temperature message is missing for less than 5 seconds, the IPC defaults the axle temperature gauge and digital display to the last indication state, based upon the last message received.
- If the axle temperature message is missing for 5 seconds or longer, the IPC sets DTC U0100:00 and defaults the axle temperature gauge to the lowest displayed stop and the digital display blank.

Battery Voltage

- The battery voltage gauge uses the hot at all times voltage input to measure the voltage available to the IPC. The IPC applies a filter to the input voltage data to remove or level out fluctuations in the data.

Cylinder Head Temperature

- If the cylinder head temperature data message is missing for less than 5 seconds, the IPC defaults the cylinder head temperature gauge and digital display to the last indication state, based upon the last message received.
- If the cylinder head temperature data message is missing for 5 seconds or longer, the IPC sets

DTC U0100:00 and defaults the cylinder head temperature gauge to the full hot position and the digital display blank.

Engine Oil Pressure

- If the oil pressure warning indicator request message is missing for less than 5 seconds, the IPC defaults the oil pressure gauge and digital display to the last indication state, based upon the last message received.
- If the oil pressure warning indicator request message is missing for 5 seconds or longer, the IPC sets DTC U0100:00 and defaults the oil pressure gauge to 0 PSI and the digital display blank.

Engine Oil Temperature

- If the engine oil temperature data message is missing or invalid for less than 5 seconds, the IPC defaults the engine oil temperature gauge and digital display to the last indication state, based upon the last message received.
- If the engine oil temperature data message is missing for 5 seconds or longer, the IPC sets DTC U0100:00 and defaults the engine oil temperature gauge to the full cold position and the digital display blank.
- If the engine oil temperature data message is invalid for 5 seconds or longer, the IPC sets DTC U0401:00 and defaults the engine oil temperature gauge to the full cold position and the digital display blank.

Inlet Air Temperature

- If the engine inlet air temperature data message is missing or invalid for less than 5 seconds, the IPC defaults the inlet air temperature gauge and digital display to the last indication state, based upon the last message received.
- If the engine inlet air temperature data message is missing for 5 seconds or longer, the IPC sets DTC U0100:00 and defaults the inlet air temperature gauge to the full cold position and the digital display blank.
- If the engine inlet air temperature data message is invalid for 5 seconds or longer, the IPC sets DTC U0401:00 and defaults the inlet air temperature gauge to the full cold position and the digital display blank.

Transmission Fluid Temperature

- If the transmission fluid temperature data message is missing or invalid for less than 5 seconds, the IPC defaults the transmission fluid temperature gauge and digital display to the last indication state, based upon the last message received.
- If the transmission fluid temperature data message is missing for 5 seconds or longer, the IPC sets DTC U0100:00 and defaults the transmission fluid temperature gauge to the full cold position and the digital display blank.
- If the transmission fluid temperature data message is invalid for 5 seconds or longer, the IPC sets DTC U0401:00 and defaults the transmission fluid temperature gauge to the full cold position and the digital display blank.

Vacuum-Boost

- If the vacuum-boost display message is missing for less than 5 seconds, the IPC defaults the