

- Damaged harness

Diagnostic Aids: While accessing the MAF PID on the scan tool, lightly tap on the MAF sensor or wiggle the MAF sensor connector and harness. If the MAF PID suddenly changes, an intermittent fault is indicated.

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

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P1101 - MASS AIR FLOW (MAF) SENSOR OUT OF SELF-TEST RANGE - DTC CHART

P1101 - MASS AIR FLOW (MAF) SENSOR OUT OF SELF-TEST RANGE - DTC CHART

Description: This DTC sets when during ignition ON, engine OFF, the MAF sensor output signal is greater than a calibrated limit or during ignition ON, engine running, the MAF output signal is not within the calibrated range.

Possible Causes:

- Low battery charge
- MAF sensor partially connected
- MAF sensor contamination
- GND circuit open
- MAFRTN circuit open
- Damaged MAF sensor
- Intake air leaks

Diagnostic Aids: Diagnose circuit DTCs before range or performance DTCs.

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

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P1112 - INTAKE AIR TEMPERATURE (IAT) CIRCUIT INTERMITTENT - DTC CHART

P1112 - INTAKE AIR TEMPERATURE (IAT) CIRCUIT INTERMITTENT - DTC CHART

Description: This DTC sets when the IAT sensor signal is intermittent.