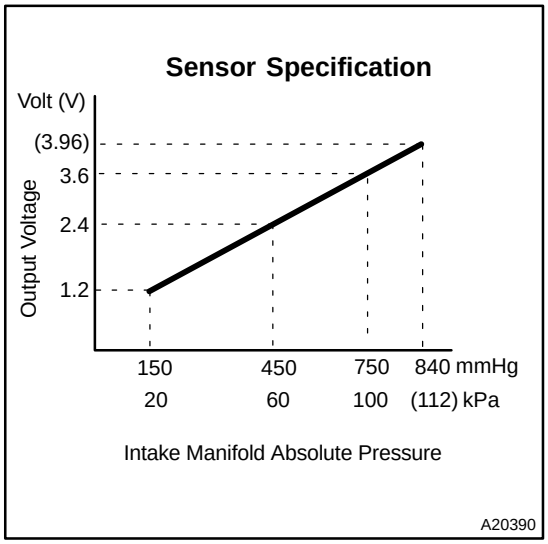
Tu001–01

Turbo Pressure Sensor Range/Performance Monitor Description

MONITOR SUMMARY



The ECM used the turbo pressure sensor to detect the air pressure in the intake manifold. The ECM uses this information to correct the fuel injection ON time and provide a proper air/fuel ratio. The ECM supplies the sensor with a regulated 5 V supply and the sensor returns a signal voltage of 1.2 V to 3.96 V depending on the intake manifold pressure level.

When the pressure in the intake air chamber is low, the output voltage of the turbo pressure sensor is low. When it is high, the output voltage is high.

If the ECM detects that the output voltage of the turbo pressure sensor is low when when the volume of intake air is large (the pressure in the intake chamber is high), the ECM interprets this as a malfunction of the turbo pressure sensor and sets a DTC. Also, if the ECM detects that the output voltage of the turbo pressure sensor is high when the volume of intake air is small (the pressure in the intake chamber is low) the ECM interprets this as a malfunction of the turbo pressure sensor and sets a DTC.

RELATED DTC

Related DTCs	P1406	Turbo pressure sensor malfunction

MODEL YEAR CHART

Model Year	See Page
1996 to 1998	Tu–4