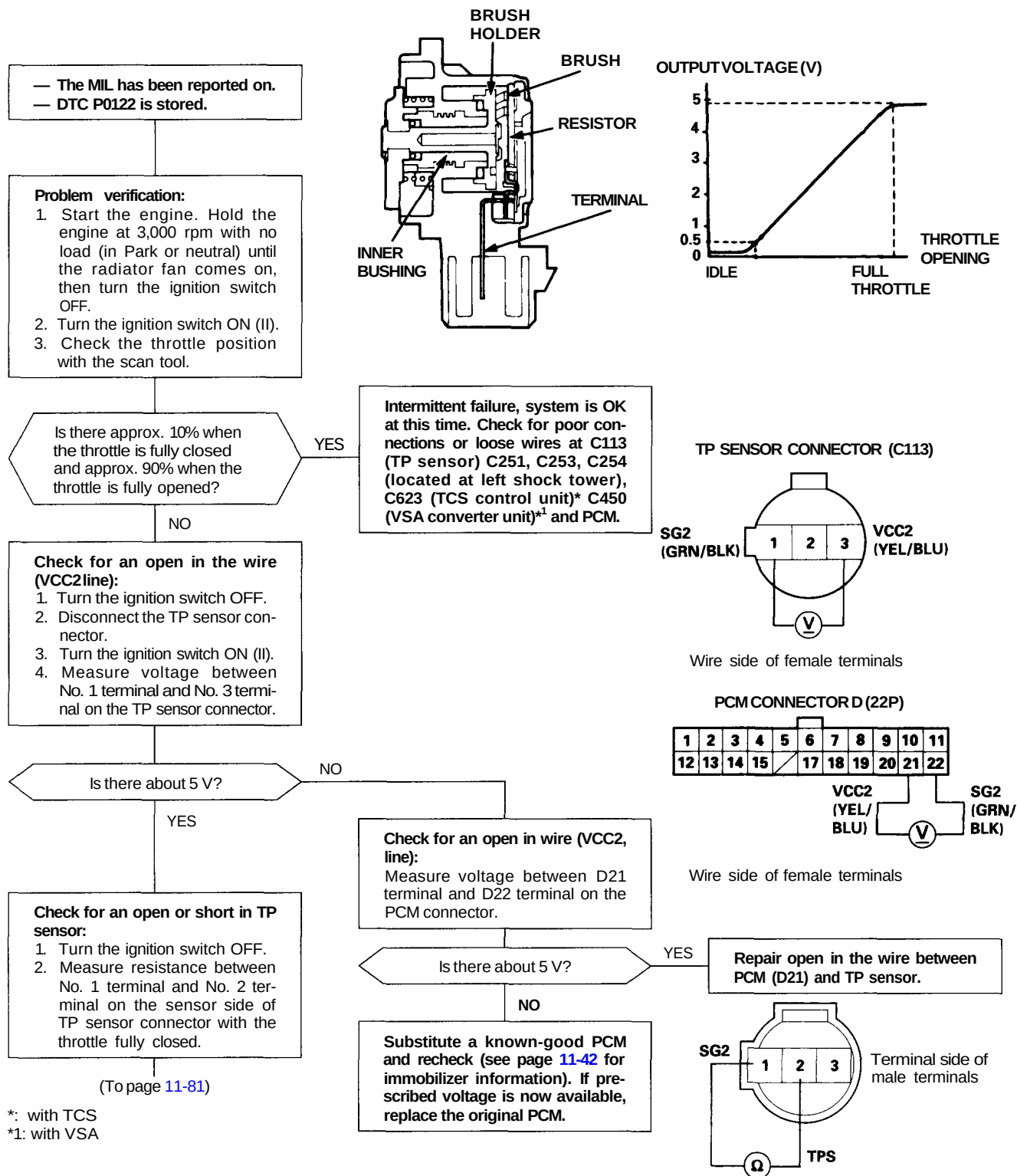


PGM-FI System

Throttle Position (TP) Sensor

P0122 The scan tool indicates Diagnostic Trouble Code (DTC) P0122: A low voltage problem in the Throttle Position (TP) sensor circuit.

The TP Sensor is a potentiometer. It is connected to the throttle valve shaft. As the throttle position changes, the throttle position sensor varies the voltage signal to the PCM.



*: with TCS
*1: with VSA



(From page 11-78)

Is there about 0.5 kΩ?

NO

Replace the throttle body.

YES

Check for an open or short in the TP sensor:

Measure resistance between No. 2 terminal and No. 3 terminal with the throttle fully closed.

Is there about 4.5 kΩ?

NO

Replace the throttle body.

YES

Check for an open in the PCM:

1. Reconnect the TP sensor connector.
2. Turn the ignition switch ON (II).
3. Measure voltage between D6 terminal and D22 terminal on the PCM connector.

Is there approx. 0.5 V when the throttle is fully closed and approx. 4.5 V when the throttle is fully opened?

YES

Substitute a known-good PCM and recheck (see page 11-42 for immobilizer information). If prescribed voltage is now available, replace the original PCM.

NO

(with TCS/VSA*)

Check for a short in the TCS control unit:

1. Turn the ignition switch OFF.
2. Disconnect the HP (26P)* connector from the TCS (VSA)* control unit.
3. Turn the ignition switch ON (II).
4. Measure voltage between D6 terminal and D22 terminal on the PCM connector.

Is there about 0.5 V when the throttle is fully closed and approx. 4.5 V when the throttle is fully opened?

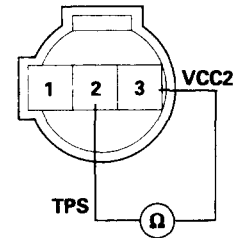
YES

Replace the TCS control unit/VSA converter unit.

NO

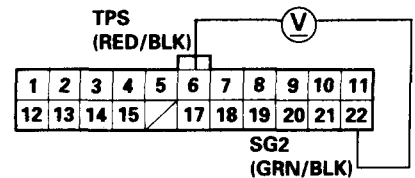
Repair short in the wire between PCM (D6) and TP sensor.

TP SENSOR

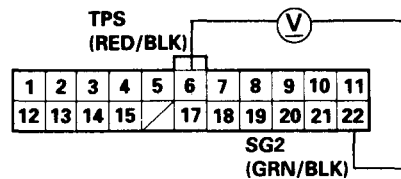


Terminal side of male terminals

PCM CONNECTOR D (22P)



Wire side of female terminals



*: '00 - '01 models

(cont'd)