

## THROTTLE POSITION (TP) SENSOR INSPECTION [SKYACTIV-G 2.0]

id0140f4802700

### Voltage Inspection

#### Caution

- The inspection cannot be performed with this method correctly if there is a malfunction of the APP sensor or throttle valve actuator. Verify that no DTCs related to the APP sensor or throttle valve actuator are stored before the inspection.

#### Note

- The TP sensor cannot be removed as a single unit. When replacing the TP sensor, replace it together with the throttle body as a single unit.

1. Connect the M-MDS to the DLC-2.
2. Switch the ignition ON (engine off or on).
3. Verify that the TP sensor output voltage (PID: TP1, TP2) varies according to the accelerator opening angle when the accelerator opening angle is gradually increased. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0].)
  - If verified, go to the next step.
  - If not as verified, replace the throttle body. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)
4. Verify that the TP sensor output voltage (PID: TP1, TP2) is within the specification when the accelerator pedal is depressed and not depressed. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0].) (See PCM INSPECTION [SKYACTIV-G 2.0].)
  - If not as specified, replace the throttle body. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)

### Specification

