

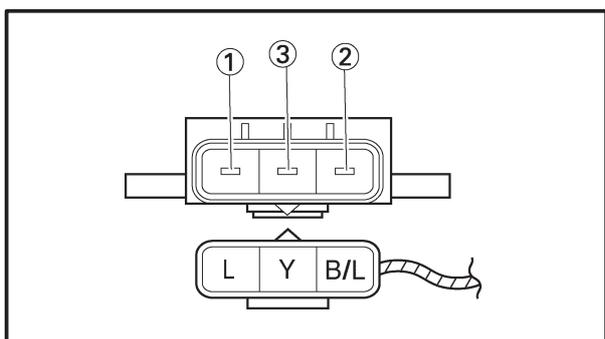


EAS00502

CHECKING AND ADJUSTING THE THROTTLE POSITION SENSOR

NOTE: _____

Before adjusting the throttle position sensor, the engine idling speed should be properly adjusted.



1. Check:

- throttle position sensor (installed on the throttle body)



- Disconnect the throttle position sensor coupler from the throttle position sensor.
- Connect the pocket tester ($\Omega \times 1k$) to the throttle position sensor.

Tester positive probe → blue terminal ①
Tester negative tester probe → black/blue terminal ②

- Measure the maximum throttle position sensor resistance.
 Out of specification → Replace the throttle position sensor.



Maximum throttle position sensor resistance
 4.0 ~ 6.0 k Ω at 20°C
 (blue – black/blue)

- Connect the pocket tester ($\Omega \times 1k$) to the throttle position sensor.

Tester positive probe → yellow terminal ③
Tester negative probe → black/blue terminal ②

- While slowly opening the throttle, check that the throttle position sensor resistance is within the specified range.

NOTE: _____

Check mainly that the resistance changes gradually when turning the throttle, since the readings (from closed to wide-open throttle) may differ slightly from those specified.

Out of specification or the resistance changes abruptly → Go to step 2 below.

- d. Adjust the throttle position sensor angle so the measured output voltage is within the specified range.

	Throttle position sensor output voltage 0.53 ~ 0.83 V
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- e. After adjusting the throttle position sensor angle, tighten the throttle position sensor screws ④.

