



## ADJUSTMENT

### KA24E Engine

1. When the throttle sensor has been removed or replaced, reinstall it in the throttle chamber, but do not tighten the bolts.
2. Engage the sensor harness connector, then start the engine. Run the engine until it is warm.
3. Measure the output voltage of the sensor using a voltmeter. Connect the voltmeter to the TPS sensor harness connector. Rotate the body of the sensor until the voltage is 0.4–0.6 volts, then tighten the bolts.
4. Separate the harness connector for a few seconds, then reconnect it.
5. Start engine and check for proper operation.

Fig. 1: Throttle sensor connector position — KA24E engine

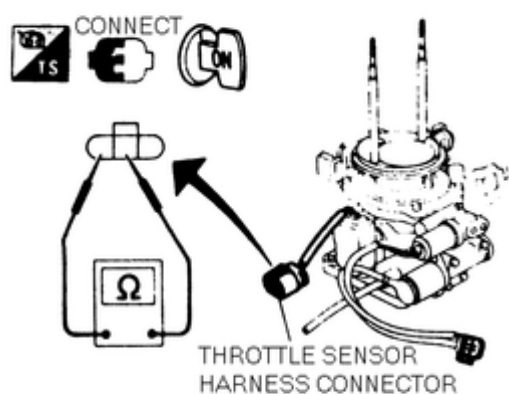
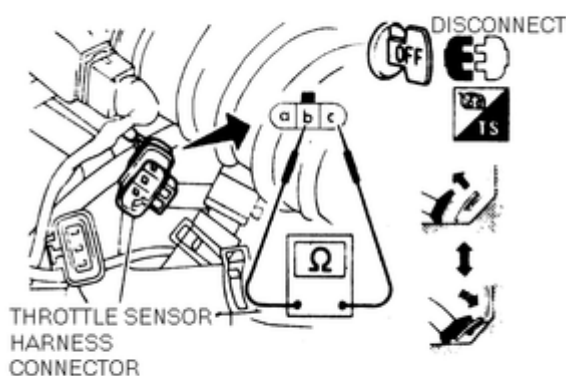


Fig. 2: Throttle sensor connector position — VG30E engine



## VG30E Engine

1. When the throttle sensor has been removed or replaced, reinstall it in the throttle chamber, but do not tighten the bolts.
2. Connect the throttle sensor and throttle wire switch harnesses.
3. Disengage the Auxiliary Air Control (AAC) valve sub-harness connector.
4. Disconnect the throttle valve switch harness.
5. While closing the valve manually, check the OFF–ON speed with a circuit tester. The throttle valve switch OFF–ON speed specifications are as follows:
  - Manual transmission idle speed — 100–400 rpm
  - Automatic transmission idle speed (in N position) — 100–400 rpm
6. If not within specifications, rotate the sensor body to achieve the proper speed.
7. Tighten the sensor bolts so that the sensor does not move.

