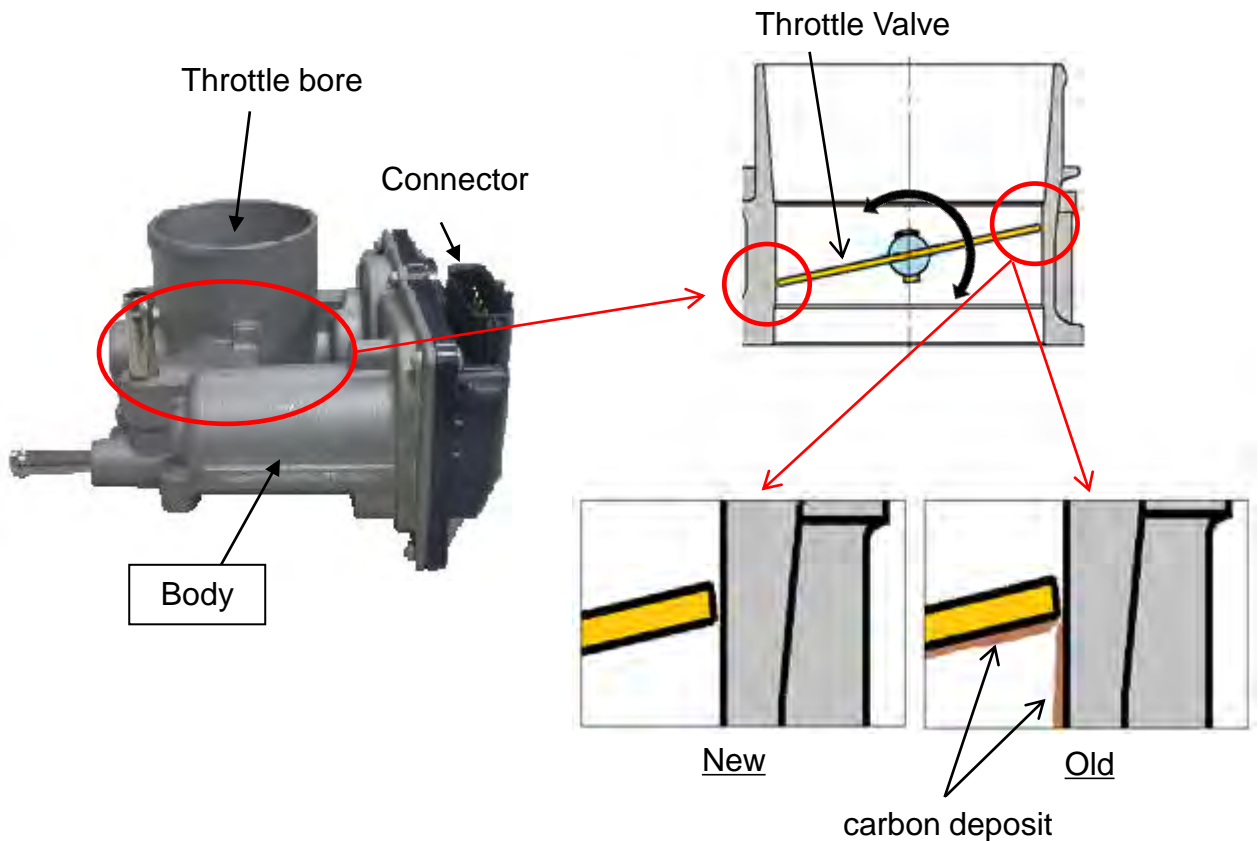




Throttle Body Troubleshooting



Throttle Body Inspection

Please check the following. **If yes, the throttle body should be replaced**

① Appearance

Are there any unusual deposits on the unit?

② Movement

When opening or closing the throttle valve is it stuck or sticking?

③ Noise

When the throttle valve is operating are there any “strange” noises?

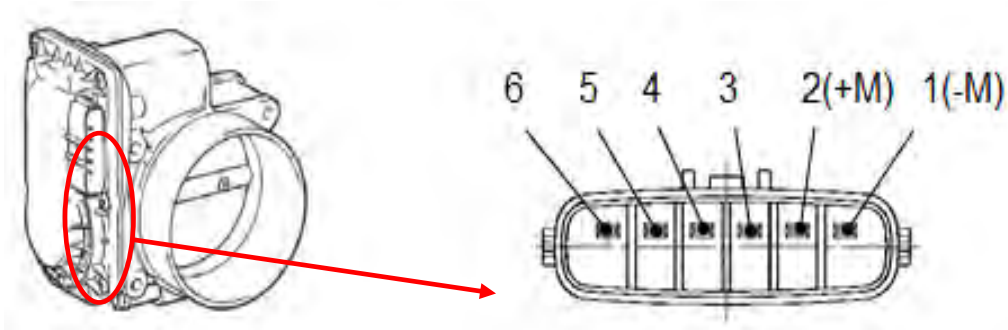
✘As always, please refer to the car maker’s manual when the throttle body is inspected, removed or re-assembled



Throttle Body Troubleshooting

Breakdown of throttle body and support for the trouble

(1) Inspection of throttle body sensor



Inspection of the throttle sensor

① By using SST (Toyota Electrical Tester), measure the resistance value between M- ↔ M+ terminals.

Terminals for Inspection	Condition of Inspection	Standard Value
1(M-) ↔ 2(M+)	20°C	0.3 to 100 Ω

▪ If the measurement value is not in a range of standard value, exchange the throttle body.

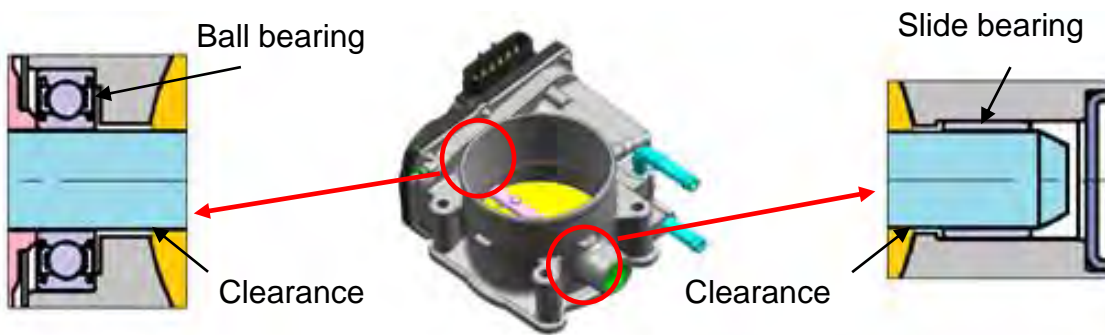
✗**NOTE:** Do not apply power voltage to the connector terminals and touch them as the internal IC may become damaged



Throttle Body Troubleshooting

Throttle Body Caution

We recommend that the Throttle Body be replaced not cleaned



① We do not recommend the cleaning of throttle bodies

- ❖ If a cleaning agent penetrates into ball bearings and sliding bearings, the following will occur
 - The quality of the bearing seal will be damaged
 - The bearing grease will become contaminated
 - Foreign objects may accidentally fall into the bearings

The above may possibly cause a stuck ISCV as well as other malfunctions.

- ❖ The special coating will come off increasing the idle speed which will not slow for those models whose valves have a molybdenum coating