

ON-VEHICLE INSPECTION

1. INSPECT THROTTLE BODY

- (a) Listen to the throttle control motor operating sounds.
 - (1) Turn the ignition switch ON.
 - (2) When turning the accelerator pedal position sensor lever, check the running sound of the motor. Also, check that there is no friction noise.
- (b) Inspect the throttle position sensor.
 - (1) Connect the intelligent tester or OBD II scan tool to the DLC3.
 - (2) Turn the ignition switch ON.
 - (3) Check that the MIL is off.
 - (4) Check that the throttle valve opening percentage (THROTTLE POS) in the DATA LIST shows the standard value.

**Standard throttle valve opening percentage:
60 % or more**

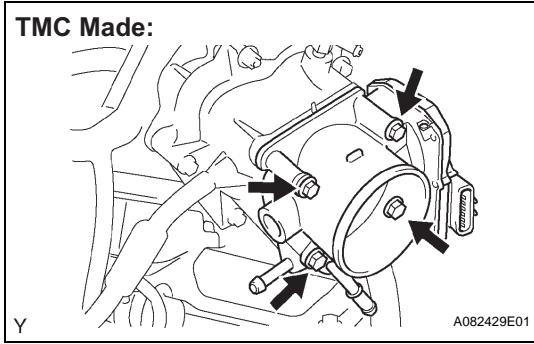
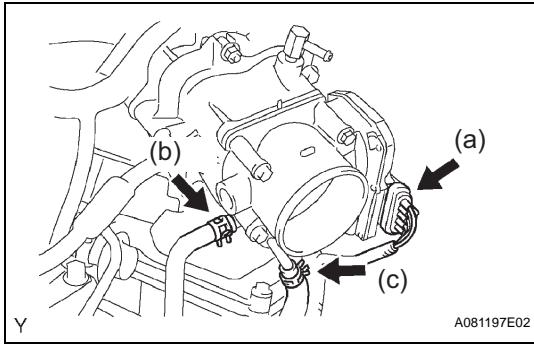
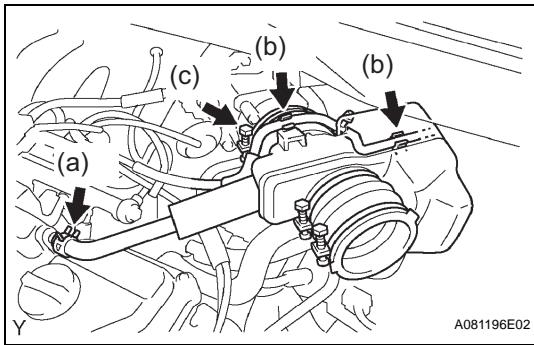
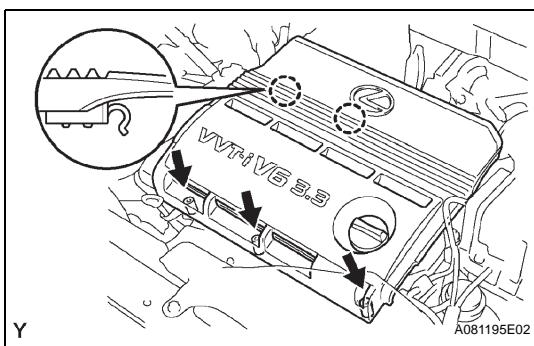
NOTICE:

When checking the standard throttle valve opening percentage, the transmission is in the neutral position.

ES

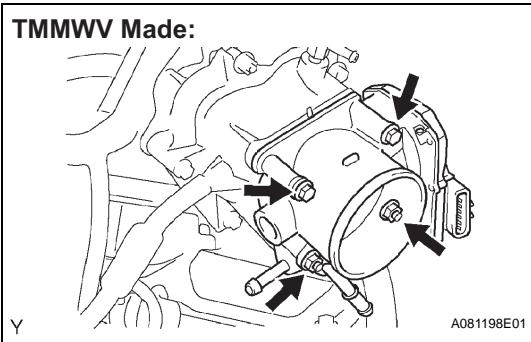
REMOVAL

1. DRAIN ENGINE COOLANT (See page [CO-7](#))
2. REMOVE V-BANK COVER SUB-ASSEMBLY
 - (a) Using a socket hexagon wrench 5, remove the 3 nuts.
 - (b) Remove the V-bank cover.
3. REMOVE AIR CLEANER INLET NO.2 (See page [ST-5](#))
4. REMOVE AIR CLEANER ASSEMBLY (See page [ST-5](#))



5. REMOVE INTAKE AIR RESONATOR
 - (a) Remove the ventilation hose No. 2.
 - (b) Remove the fuel vapor feed hose from the 2 hose clamps.
 - (c) Loosen the are cleaner hose clamp bolt, and then remove the intake air resonator.
6. REMOVE THROTTLE BODY ASSEMBLY
 - (a) Disconnect the throttle motor connector.
 - (b) Disconnect the water by-pass hose No.2.
 - (c) Disconnect the water by-pass hose No.3.
- (d) TMC Made
 - (1) Remove the 4 bolts, and then remove the throttle body.

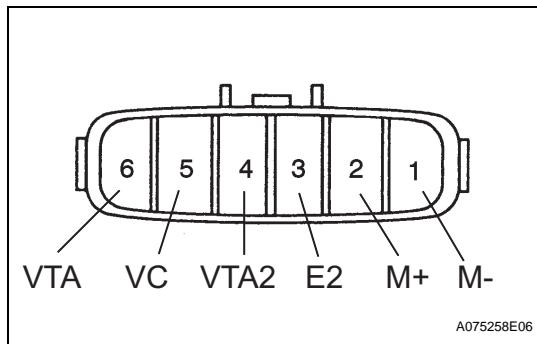
ES



(e) TMMWV Made

- (1) Remove the 2 bolts and 2 nuts, and then remove the throttle body.

(f) Remove the gasket from the intake air connector.



INSPECTION

1. INSPECT THROTTLE BODY ASSEMBLY

(a) Resistance inspection

- (1) Using an ohmmeter, measure the resistance between terminals.

Resistance

Symbols (terminal No.)	Resistance	Temperature
M+ (2) - M- (1)	0.3 to 100 Ω	20°C (68°F)
VC (5) - E2 (3)	1.2 to 3.2 k Ω	20°C (68°F)