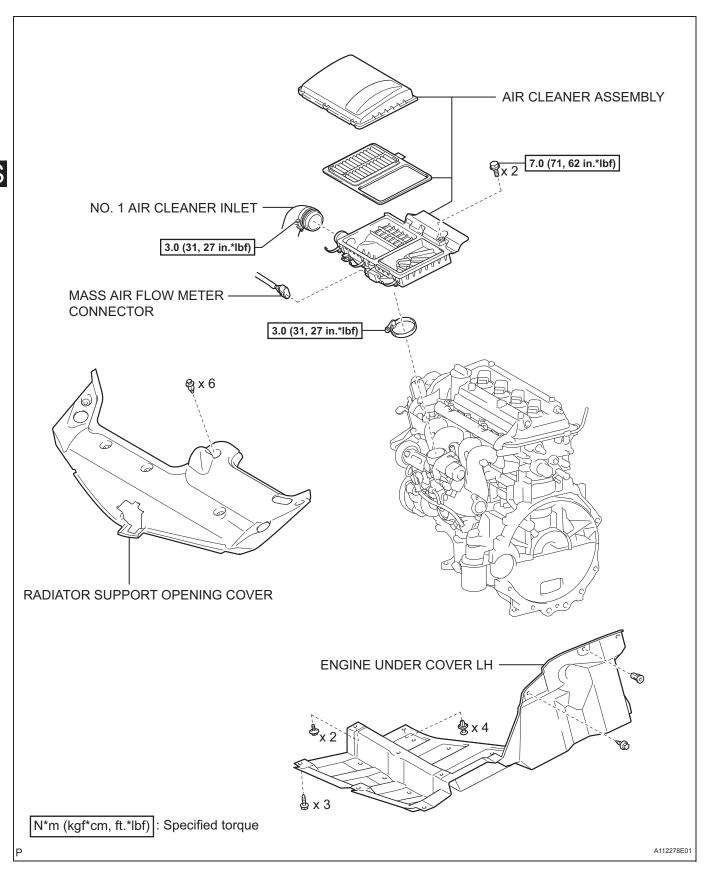
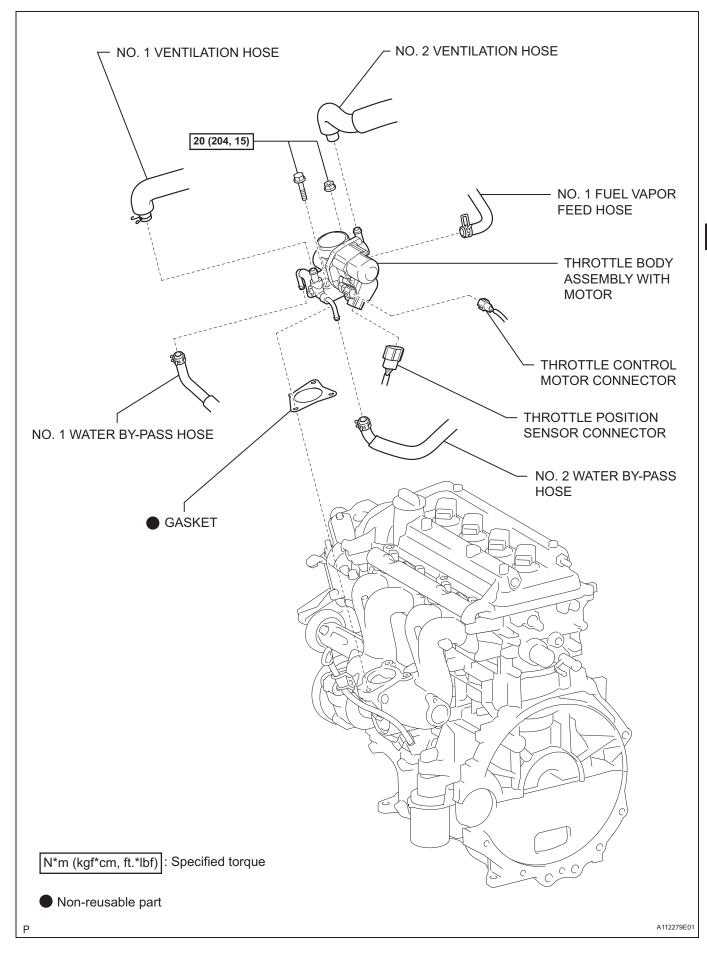
THROTTLE BODY

COMPONENTS







REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

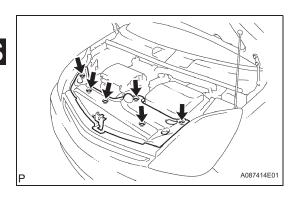
CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

- 2. REMOVE ENGINE UNDER COVER LH
- 3. DRAIN ENGINE COOLANT (See page CO-6)

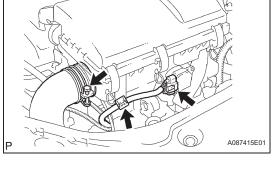
4. REMOVE RADIATOR SUPPORT OPENING COVER

(a) Remove the 6 clips and radiator support opening cover.

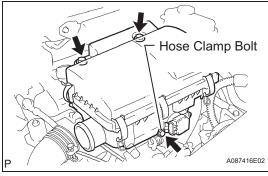


5. REMOVE AIR CLEANER ASSEMBLY

- (a) Disconnect the MAF meter connector.
- (b) Disconnect the wire harness from the wire harness clamp.
- (c) Loosen the hose clamp bolt, and then disconnect the No. 1 air cleaner inlet.

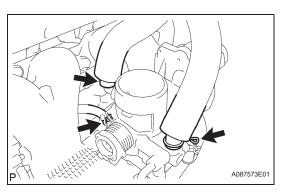


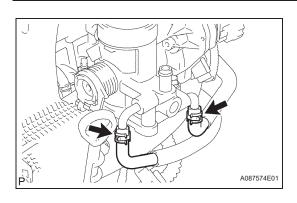
- (d) Remove the 2 bolts.
- (e) Loosen the hose clamp bolt, and then remove the air cleaner.



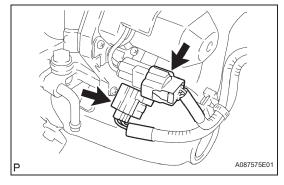
6. REMOVE THROTTLE BODY ASSEMBLY WITH MOTOR

- (a) Disconnect the ventilation hose.
- (b) Disconnect the No. 2 ventilation hose.
- (c) Disconnect the No. 1 fuel vapor feed hose.



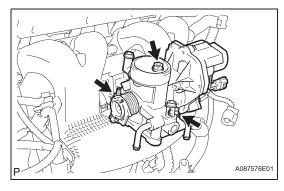


- (d) Disconnect the water by-pass hose.
- (e) Disconnect the No. 2 water by-pass hose.

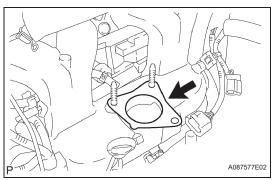


- (f) Disconnect the throttle control motor connector.
- (g) Disconnect the throttle position sensor connector.

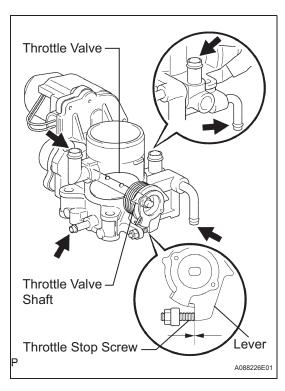




(h) Remove the bolt, 2 nuts and throttle with motor body.



(i) Remove the gasket from the intake manifold.



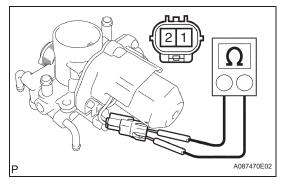


1. INSPECT THROTTLE WITH MOTOR BODY ASSEMBLY

- (a) Check the appearance.
 - (1) Check that the throttle valve shaft does not rattle.
 - (2) Check that each port is not clogged.
 - (3) Check that the throttle valve opens and closes smoothly.
 - (4) Check that there is no clearance between the throttle stop screw and lever when the throttle valve is fully closed.

NOTICE:

Do not adjust the throttle stop screw.

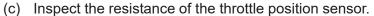


- (b) Inspect the resistance of the throttle control motor.
 - (1) Using an ohmmeter, measure the resistance between the terminals.

Standard resistance:

50 M Ω or more at 25°C (77°F)

If the resistance is not as specified, replace the throttle with motor body.

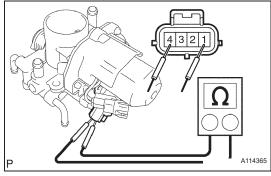


(1) Using an ohmmeter, measure the resistance between terminals 1 and 4.

Standard resistance:

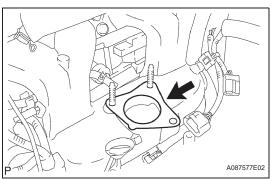
1.2 to 3.5 k Ω at 25°C (77°F)

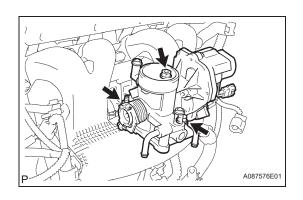
If the resistance is not as specified, replace the throttle with motor body.



INSTALLATION

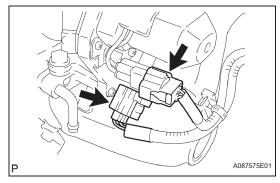
- INSTALL THROTTLE BODY ASSEMBLY WITH MOTOR
 - (a) Install a new gasket to the intake manifold.





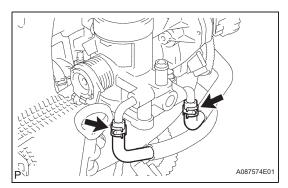
(b) Install the throttle with motor body with the bolt and 2 nuts.

Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)

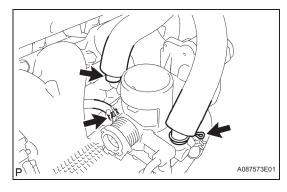


- (c) Connect the throttle position sensor connector.
- (d) Connect the throttle control motor connector.

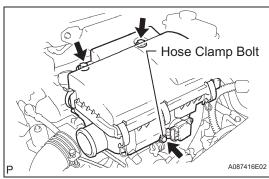




- (e) Connect the No. 2 water by-pass hose.
- (f) Connect the water by-pass hose.



- (g) Connect the No. 1 fuel vapor feed hose.
- (h) Connect the No. 2 ventilation hose.
- (i) Connect the ventilation hose.



2. INSTALL AIR CLEANER ASSEMBLY

(a) Install the air cleaner with the 2 bolts.

Torque: 7.0 N*m (71 kgf*cm, 62 in.*lbf)

(b) Tighten the hose clamp bolt.

Torque: 3.0 N*m (31 kgf*cm, 27 in.*lbf)

(c) Connect the No. 1 air cleaner inlet, and tighten the hose clamp bolt.

Torque: 3.0 N*m (31 kgf*cm, 27 in.*lbf)

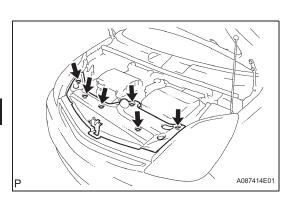
(d) Connect the MAF meter connector.

- 3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
- 4. ADD ENGINE COOLANT (See page CO-7)
- 5. CHECK FOR ENGINE COOLANT LEAKS (See page CO-2)
- 6. INSTALL ENGINE UNDER COVER LH
- 7. INSTALL RADIATOR SUPPORT OPENING COVER
 - (a) Install the cover with the 6 clips.

8. PERFORM INITIALIZATION

(a) Perform initialization (see page IN-32). **NOTICE:**

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.



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