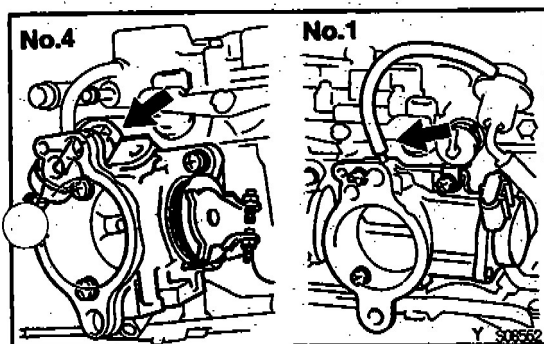
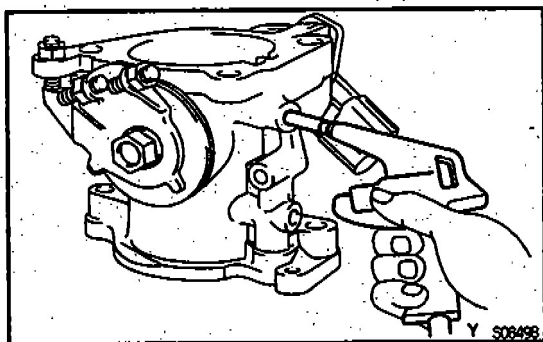


7. REMOVE THROTTLE OPENER
 - (a) Disconnect the vacuum hose from the throttle opener.
 - (b) Remove the 2 screws and throttle opener.

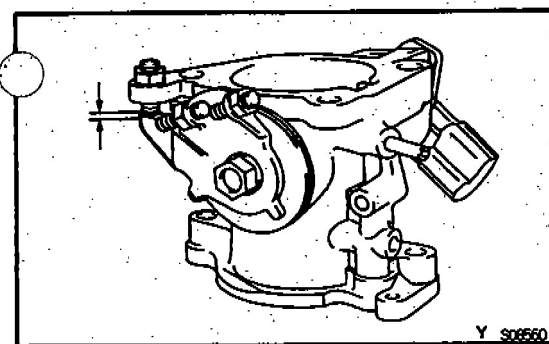


8. REMOVE NO.1 - NO.4 THROTTLE BODIES
 - (a) No.1 and No.4:
Disconnect the vacuum hose from the throttle body.
 - (b) No.1:
Remove the 3 screws, clip, throttle body and gasket.
 - (c) No.2 - No.4:
Remove the 3 screws, throttle body and gasket. Remove the No.2 - No.4 throttle bodies and gaskets.

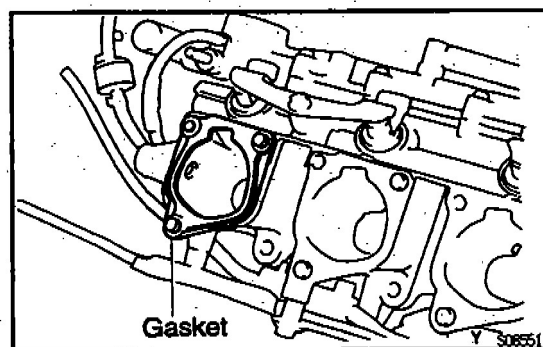


INSPECTION

1. CLEAN THROTTLE BODY
Using compressed air, clean all the passages and apertures. Clean the all throttle bodies.
NOTICE: To prevent deterioration, do not clean the throttle position sensor.

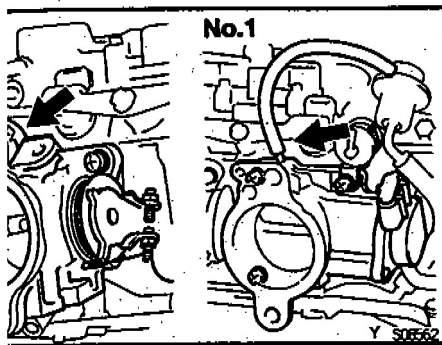


2. INSPECT THROTTLE VALVE
Check that there is no clearance between the throttle stop screw and throttle lever when the throttle valve is closed.
NOTICE: Do not adjust the throttle stop screws.
3. INSPECT THROTTLE POSITION SENSOR
(See step 2 in on-vehicle inspection)



INSTALLATION

1. INSTALL NO.1 - NO.4 THROTTLE BODIES
 - (a) No.1:
Install a new gasket and the throttle body with the screws and clip.
Torque: 7.0 N-m (70 kgf-cm, 60 in.-lbf)
 - (b) No.2 - No.4:
Install a new gasket and the throttle body with the screws. Install the No.2 - No.4 throttle bodies.



Torque: 7.0 N-m (70 kgf-cm, 60 ft-lbf)

- (c) No.1 and No.4:
Connect the vacuum hose to the throttle body.

2. INSTALL THROTTLE OPENER

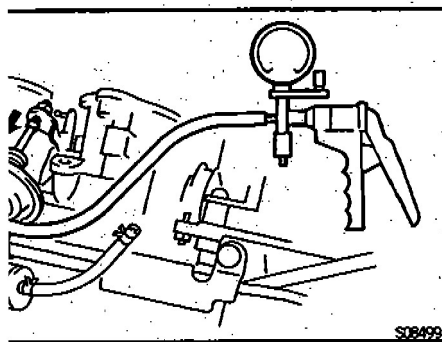
- (a) Install the throttle opener with the 2 bolts.
- (b) Connect the vacuum hose to the throttle opener.

3. INSTALL LINK BRACKET AND ACCELERATOR CABLE BRACKET

- (a) Install the accelerator cable bracket with the 2 bolts.
Torque: 7.0 N-m (70 kgf-cm, 60 in.-lbf)

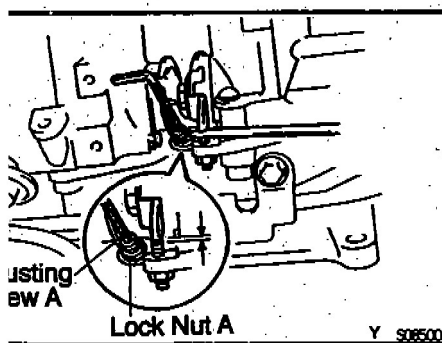
- (b) Install the link bracket with the 2 bolts.
Torque: 7.0 N-m (70 kgf-cm, 60 in.-lbf)

- (c) Connect the link rod to the throttle lever.



4. ADJUST NO.1 THROTTLE BODY

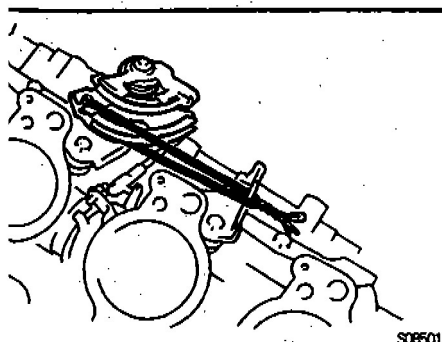
- (a) Apply vacuum to the throttle opener.



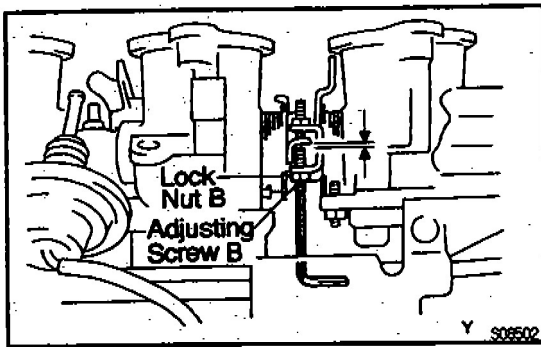
- (b) Loosen the lock nut A.
- (c) Using a feeler gauge and 2 mm hexagon wrench, turn the adjusting screw A to adjust the clearance as shown in the illustration.

Clearance:
0.03 mm (0.001 in.)

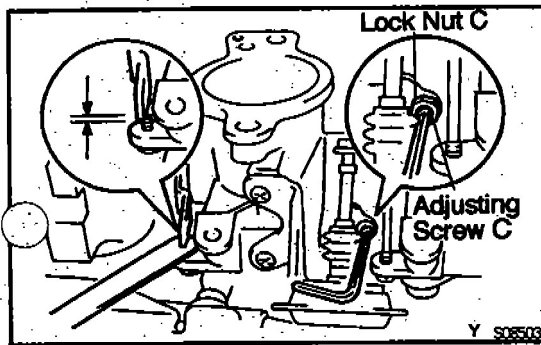
- (d) Tighten the lock nut A.



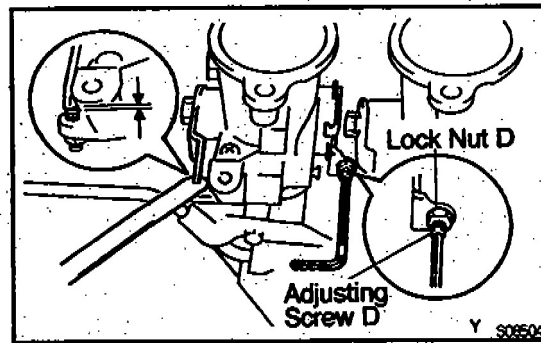
- (e) Open fully the throttle valve.
 - (f) Using a wire, fix the link as keep step (e).
- NOTICE: Do not fix the throttle valve by inserting the tools.**



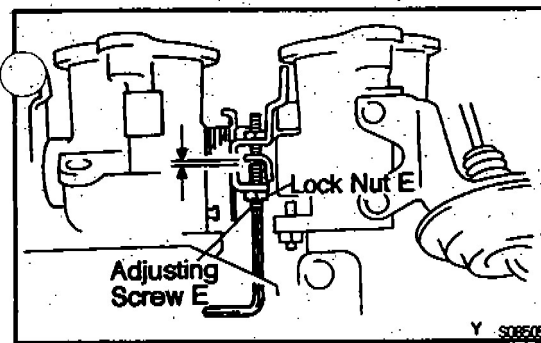
- (g) Loosen the lock nut B.
 - (h) Using a 2 mm hexagon wrench, turn the adjusting screw B until the clearance becomes 0 mm (0 in.).
 - (i) Return the adjusting screw B 0.33 to 0.50 turns then tighten the lock nut B.
- Clearance:**
0.15 - 0.25 mm (0.006 - 0.010 in.)
- (j) Remove the wire.



- 5. ADJUST NO.2 THROTTLE BODY**
- (a) See procedure (a) to (d) in step 4.
 - (b) Loosen the lock nut C.
 - (c) Using a feeler gauge and 2 mm hexagon wrench, turn the adjusting screw C to adjust the clearance as shown in the illustration.
- Clearance:**
0.03 mm (0.001 in.)
- (d) Tighten the lock nut C.



- (e) Loosen the lock nut D.
 - (f) Using a feeler gauge and 2 mm hexagon wrench, turn the adjusting screw D to adjust the clearance as shown in the illustration.
- Clearance:**
0.03 mm (0.001 in.)
- (g) Tighten the lock nut D.



- (h) See procedure (e) to (i) in step 4.
 - (i) Loosen the lock nut E.
 - (j) Using a 2 mm hexagon wrench, turn the adjusting screw E until the clearance becomes 0 mm (0 in.).
 - (k) Return the adjusting screw E 0.33 to 0.50 turns then tighten the lock nut E.
- Clearance:** 0.15 - 0.25 mm (0.006 - 0.010 in.)
- (l) Remove the wire.

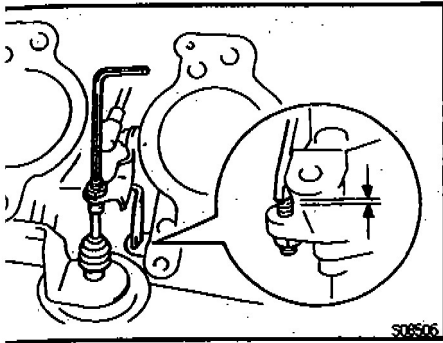
6. ADJUST NO.3 THROTTLE BODY

- (a) Apply vacuum to the throttle opener.
- (b) See procedure (b) to (c) and (i) to (l) in step 5.

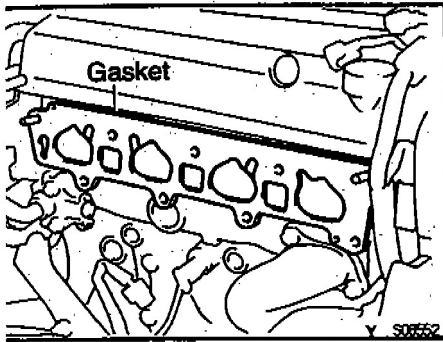
7. ADJUST NO.4 THROTTLE BODY

- (a) Apply vacuum to the throttle opener.
- (b) See procedure (e) to (g) and (i) to (l) in step 5.

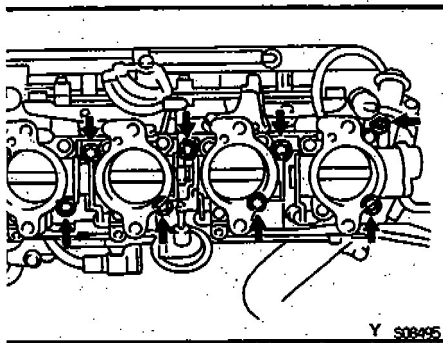
ELECTRONIC FUEL INJECTION - THROTTLE BODY



- 8. ADJUST THROTTLE OPENER**
- (a) Loosen the lock nut.
 - (b) Using a feeler gauge and 2 mm hexagon wrench, turn the adjusting screw to adjust the clearance as shown in the illustration.
- Clearance:**
1.23 - 1.37 mm (0.048 - 0.054 in.)
- (c) Tighten the lock nut.



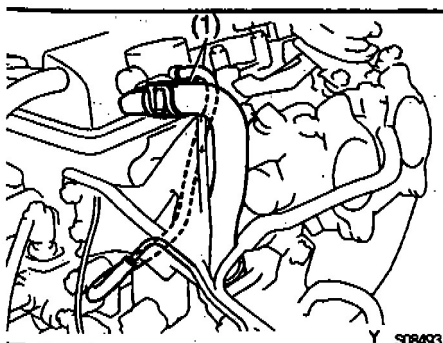
- 9. INSTALL THROTTLE BODY ASSEMBLY**
- (a) Place a new gasket to the cylinder head.



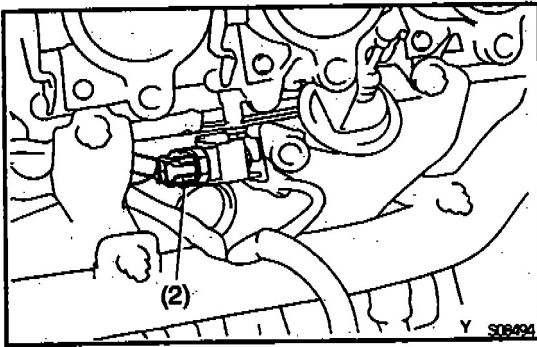
- (b) Install the throttle body assembly with the 7 bolts and 2 nuts.
- Torque: 28 N-m (280 kgf-cm, 20 ft-lbf)**



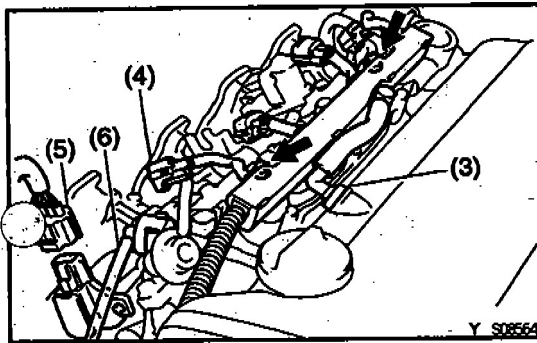
- (c) Install the 2 surge tank stays with the engine wire and 4 bolts.
- Torque: 22 N-m (220 kgf-cm, 16 ft-lbf)**



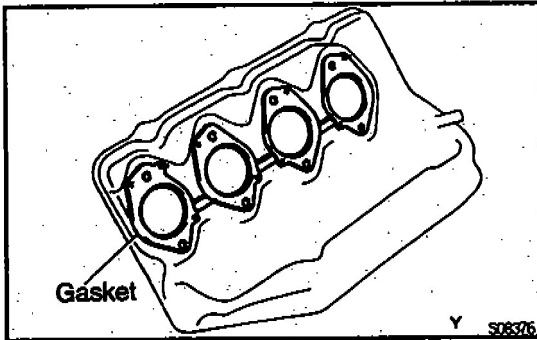
- (d) Connect the these connectors and hoses:
- (1) Air hoses



(2) VSV for EVAP connector

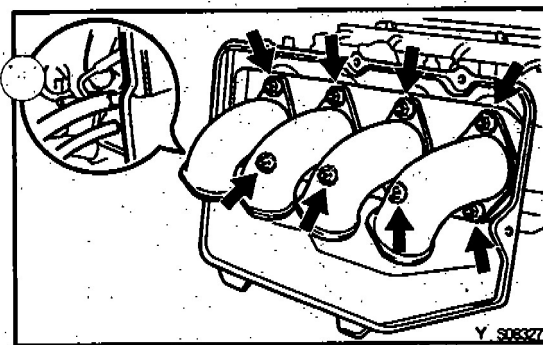


- (3) PCV hose
 - (4) Injector connectors
 - (5) Throttle position sensor connector
 - (6) Vacuum hose
- (e) Install the engine wire with the 2 bolts.

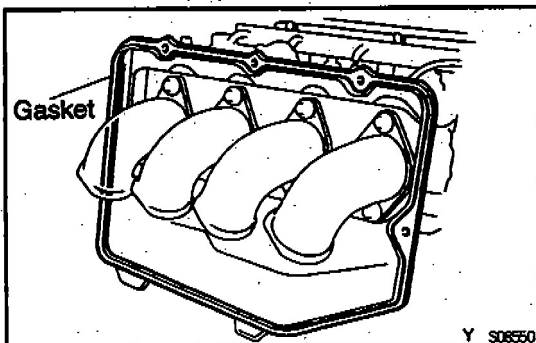


10. INSTALL SURGE TANK

(a) Place the gasket in position on the surge tank.

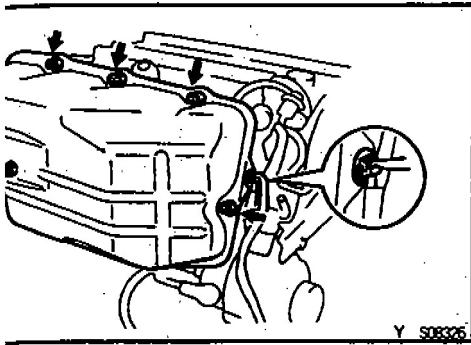


- (b) Place the surge tank with the gasket in position on the throttle body.
- (c) Install the intake pipe with the 2 bolts. Install the 4 intake pipes.
Torque: 22 N·m (220 kgf·cm, 16 ft·lbf)
- (d) Connect the vacuum hose and ISC hose.

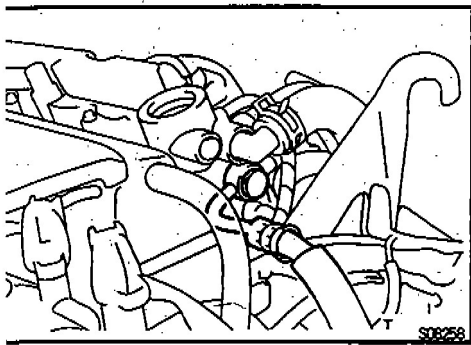


(e) Place the gasket in position on the surge tank.

ELECTRONIC FUEL INJECTION - THROTTLE BODY



- (f) Using a 5 mm hexagon wrench, install the surge tank cover with the 5 bolts.
Torque: 15 N-m (150 kgf-cm, 11 ft-lbf)
- (g) Connect the cord clip to the surge tank.

**11. CONNECT FUEL HOSES**

- (a) Install the fuel inlet hose with 2 new gaskets and the union bolt.
Torque: 33 N-m (330 kgf-cm, 24 ft-lbf)
- (b) Connect the fuel return hose the throttle body.

12. CONNECT ACCELERATOR CABLE TO THROTTLE BODY**13. INSTALL AIR CLEANER HOSE**

- (a) Install the air cleaner hose.
- (b) Tighten the 2 air cleaner hose clamp bolts.
- (c) Connect the air hose.

14. ADJUST THROTTLE BODY ASSEMBLY BALANCE

(See step 3 in on-vehicle inspection)

15. CHECK THROTTLE OPENER

(See step 4 in on-vehicle inspection)