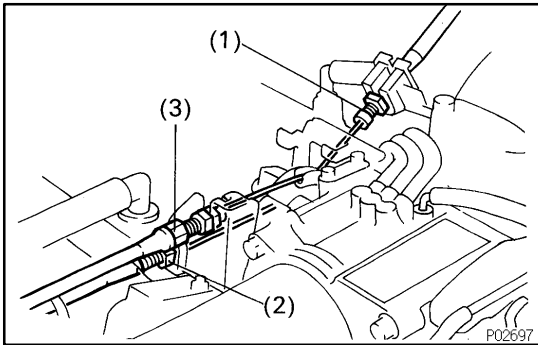


## REMOVAL

### 1. DRAIN ENGINE COOLANT



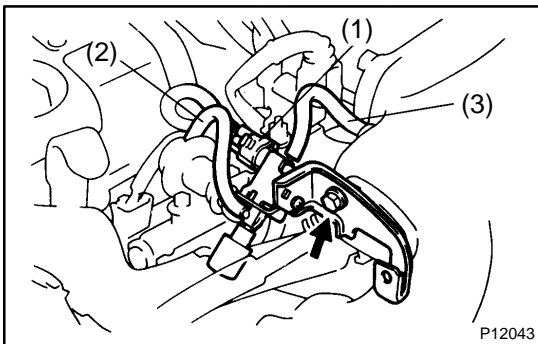
### 2. DISCONNECT CONTROL CABLES FROM THROTTLE BODY

Disconnect these cables:

- (1) Accelerator cable
- (2) A/T:  
Throttle control cable
- (3) Cruise control actuator cable

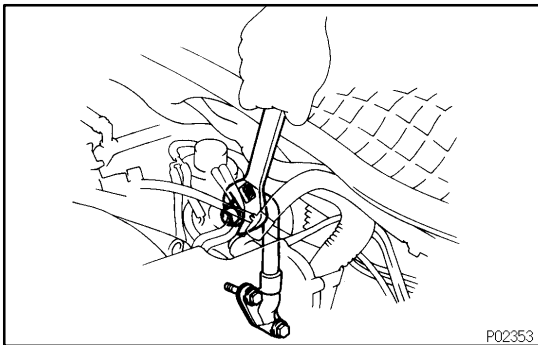
### 3. REMOVE INTAKE AIR CONNECTOR PIPE

### 4. DISCONNECT DLC1 FROM BRACKET



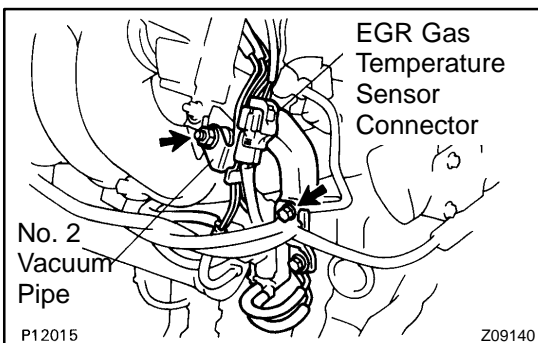
### 5. REMOVE VSV FOR FUEL PRESSURE CONTROL

- (a) Disconnect the connector and hoses:
  - (1) VSV connector
  - (2) Vacuum sensing hose from fuel pressure regulator
  - (3) Vacuum sensing hose from air intake chamber
- (b) Remove the bolt and VSV.



### 6. REMOVE EGR PIPE

- (a) Loosen the union nut of the EGR pipe.
- (b) Remove the 2 bolts, EGR pipe and gasket.

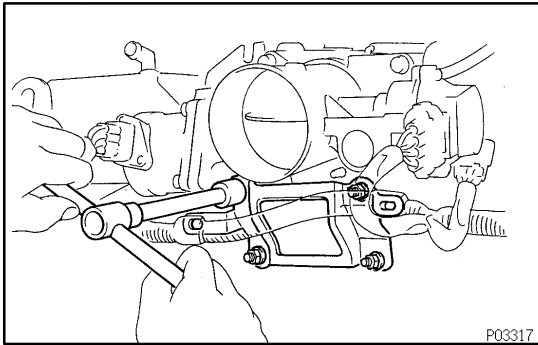


### 7. DISCONNECT EGR GAS TEMPERATURE SENSOR CONNECTOR

- (a) Disconnect the connector from the No. 2 vacuum pipe.
- (b) Disconnect the sensor connector from the wiring connector.

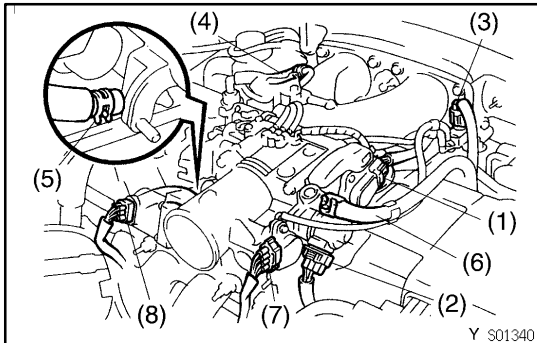
### 8. DISCONNECT NO. 2 VACUUM PIPE AND VSV ASSEMBLY

Remove the 2 nuts, and disconnect the vacuum pipe from the air intake chamber and intake manifold.



### 9. DISCONNECT THROTTLE BODY BRACKET FROM THROTTLE BODY AND CYLINDER HEAD

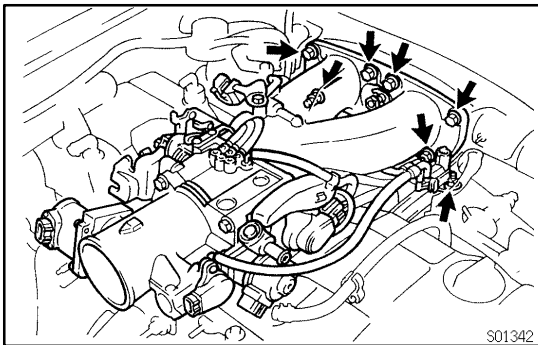
Remove the 4 nuts, and disconnect the throttle body bracket from the throttle body and cylinder head.



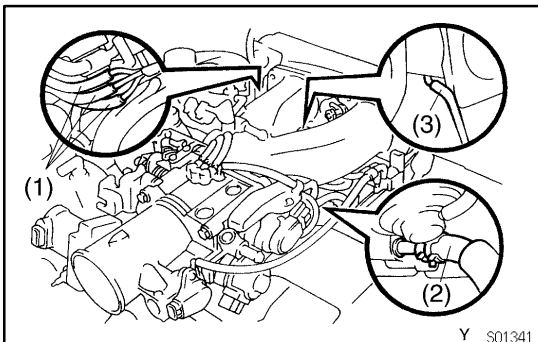
### 10. REMOVE THROTTLE BODY AND INTAKE AIR CONNECTOR ASSEMBLY

(a) Disconnect these connectors and hoses:

- (1) Throttle position sensor connector
- (2) IAC valve connector
- (3) VSV connector for EGR
- (4) PCV hose from intake air connector
- (5) Water bypass hose (from No. 2 water bypass pipe) from throttle body
- (6) Air hose from IAC valve
- (7) w/ TRAC:  
Sub-throttle position sensor connector
- (8) w/ TRAC:  
Sub-throttle actuator connector

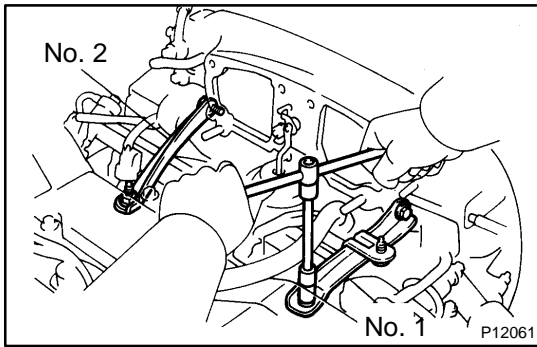


- (b) Remove the nut holding the VSV for the EGR to the air intake chamber.
- (c) Remove the 4 bolts and 2 nuts holding the intake air connector to the air intake chamber.



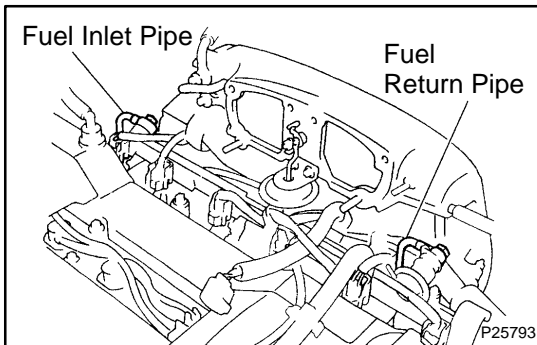
(d) Disconnect these hoses, and remove the throttle body, intake air connector assembly and gasket.

- (1) 3 vacuum hoses (from No. 2 vacuum pipe) from No. 1 vacuum pipe
- (2) Water bypass hose (from water outlet) from throttle body
- (3) Vacuum hose (from actuator for ACIS) from No. 1 vacuum pipe



#### 11. REMOVE AIR INTAKE CHAMBER STAYS

Remove the bolt, nut and intake chamber stay. Remove the No. 1 and No. 2 stays.



#### 12. DISCONNECT FUEL INLET PIPE FROM DELIVERY PIPE

Remove the union bolt and 2 gaskets, and disconnect the fuel pipe.

##### NOTICE:

- Put a suitable container or shop towel under the delivery pipe.
- Slowly loosen the union bolt.

#### 13. DISCONNECT FUEL RETURN PIPE FROM FUEL PRESSURE REGULATOR

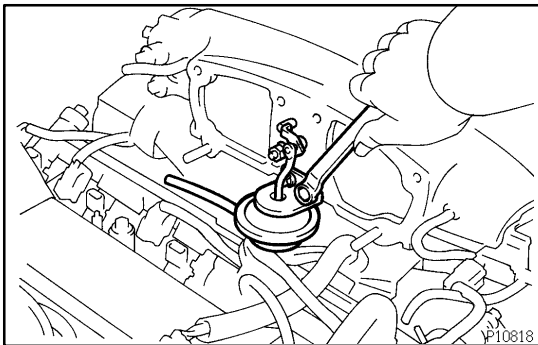
Remove the union bolt and 2 gaskets, and disconnect the fuel pipe from the pressure regulator.

##### NOTICE:

- Put a suitable container or shop towel under the pressure regulator.
- Slowly loosen the union bolt.

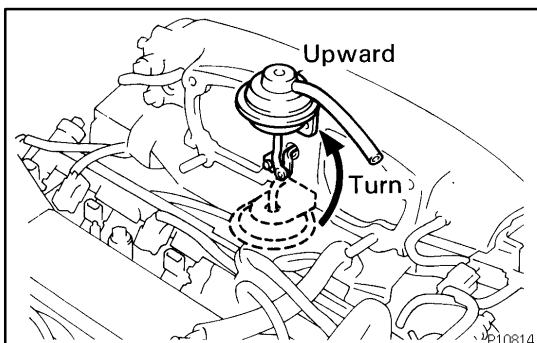
#### 14. DISCONNECT INJECTOR CONNECTORS

Disconnect the 6 injector connectors.



#### 15. DISCONNECT ACTUATOR FOR ACIS

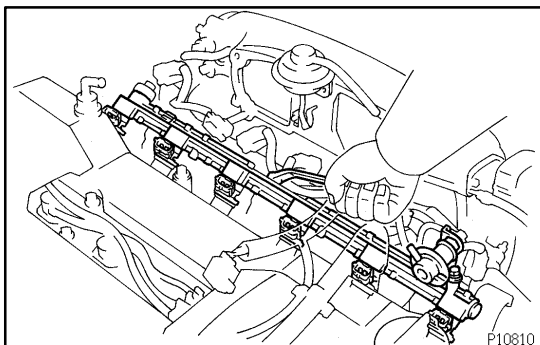
(a) Remove the 2 bolts and disconnect the actuator.



(b) Wrap the actuator with adhesive tape and attach it to the intake chamber.

##### NOTICE:

Do not apply any force on the actuator rod and prevent the rod clip from detaching.

**16. REMOVE DELIVERY PIPE AND INJECTORS**

- (a) Remove the 3 bolts and delivery pipe together with the 6 injectors.

**NOTICE:**

**Be careful not to drop the injectors when removing the delivery pipe.**

- (b) Pull out the 6 injectors from the delivery pipe.  
(c) Remove the O-rings and grommets from each injector.  
(d) Remove the 3 spacers from the intake manifold.