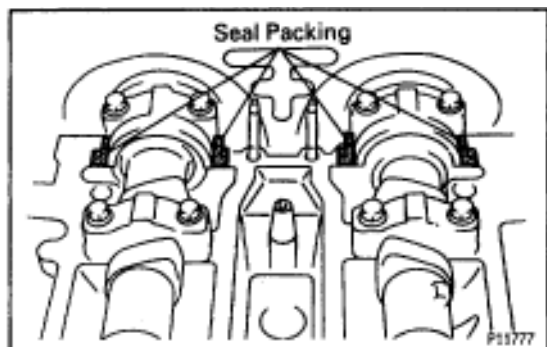


33. **INSTALL NO.2 FRONT EXHAUST PIPE**  
(See step 6 in engine installation in Engine Mechanical)
34. **INSTALL DRIVE BELT**
35. **INSTALL AIR CLEANER, VAF METER AND INTAKE AIR CONNECTOR PIPE ASSEMBLY**  
(See step 22 in engine installation in Engine Mechanical)
36. **INSTALL AIR CLEANER DUCT**
37. **FILL WITH ENGINE COOLANT**
38. **START ENGINE AND CHECK FOR LEAKS**
39. **CHECK IGNITION TIMING**  
(See steps 8 to 12 in distributor installation in Ignition System)
40. **INSTALL ENGINE UNDER COVER**
41. **PERFORM ROAD TEST**  
Check for abnormal noise, shock, slippage, correct shift points and smooth operation.
42. **RECHECK ENGINE COOLANT LEVEL**

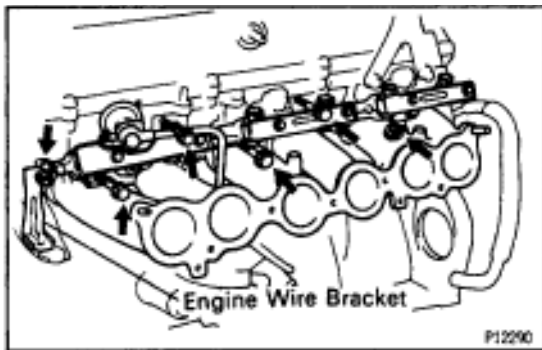
## CYLINDER HEAD INSTALLATION (2JZ-GTE)

1. **INSTALL CYLINDER HEAD**  
(See step 1 in cylinder head installation (2JZ-GE))
2. **INSTALL CAMSHAFTS**  
(See step 2 ((a) to (m)) in cylinder head installation (2JZ-GE))
3. **CHECK AND ADJUST VALVE CLEARANCE**  
(See steps 5 to 6 in valve clearance inspection and adjustment)  
Turn the camshaft, and position the cam lobe upward, check and adjust the valve clearance.
4. **INSTALL NO.4 TIMING BELT COVER**  
(See step 4 in cylinder head installation (2JZ-GE))
5. **INSTALL CAMSHAFT TIMING PULLEYS**  
(See step 5 in cylinder head installation (2JZ-GE))



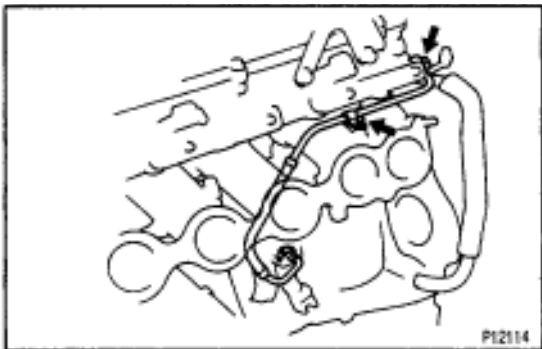
6. **INSTALL NO.1 AND NO.2 CYLINDER HEAD COVERS**
  - (a) Remove any old packing (FIPG) material.
  - (b) Apply seal packing to the cylinder head as shown in the illustration.  
**Seal packing:**  
Part No. 08826-00080 or equivalent
  - (c) Install the gaskets to the No.1 and No.2 cylinder head covers.

- (d) Install the seal washers to the mounting bolts.
- (e) Install the No.2 cylinder head cover with the 4 seal washers and 4 bolts.  
**Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)**
- (f) Install the No.1 cylinder head cover with the 4 seal washers and 4 bolts.  
**Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)**
- (g) Install the PCV valve.
- (h) Install the cruise control actuator cable bracket and IAC valve pipe clamp with the 2 bolts.
- 7. INSTALL SPARK PLUGS**
- 8. INSTALL IGNITION COILS ASSEMBLIES**  
(See ignition coils installation in Ignition System)
- 9. INSTALL TIMING BELT**  
(See steps 11 to 17 in timing belt installation)



**10. INSTALL INTAKE MANIFOLD AND DELIVERY PIPE ASSEMBLY**

Install a new gasket, the intake manifold, delivery pipe assembly and engine wire bracket with the 4 bolts and 2 nuts.  
**Torque: 27 N·m (280 kgf·cm, 20 ft·lbf)**



**11. INSTALL FUEL INLET PIPE**

- (a) Connect the fuel inlet pipe with 2 new gaskets and the union bolt.

**Torque: 42 N·m (420 kgf·cm, 30 ft·lbf)**

- (b) Install the clamp bolt to the intake manifold.

**12. INSTALL FUEL PRESSURE PULSATION DAMPER**  
(See fuel pressure pulsation damper installation in SFI System)

**13. INSTALL PRESSURE TANK AND VSV ASSEMBLY**

**Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)**

**14. INSTALL STATER**

(See starter installation in Starting System)

**15. CONNECT ENGINE WIRE**

- (a) Install the engine wire protector to the intake manifold with the nut.
- (b) Install the 2 ground straps to the intake manifold with the bolts.
- (c) Connect these connectors and clamps:
  - VSV connector fo EVAP

- 6 injector connectors
- HINT: The No.1, No.3 and No.5 injector connectors are dark gray, and the No.2, No.4 and No.6 injector connectors are gray.
- 2 camshaft position sensor connectors
- 3 engine wire clamps to injector holders

**16. INSTALL AIR INTAKE CHAMBER ASSEMBLY  
(See injector installation in SFI System)**

**17. CONNECT FUEL RETURN HOSE**

**18. INSTALL PS PUMP**

Torque: 58 N·m (590 kgf·cm, 43 ft·lbf)

**19. INSTALL WATER OUTLET AND NO.1 WATER BYPASS PIPE**

- (a) Install 2 new O-rings to the No.1 water bypass pipe.
  - (b) Apply soapy water to the O-rings.
  - (c) Install the No.1 water bypass pipe to the water pump.
  - (d) Install a new gasket and the water outlet with the 2 bolts.
- Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

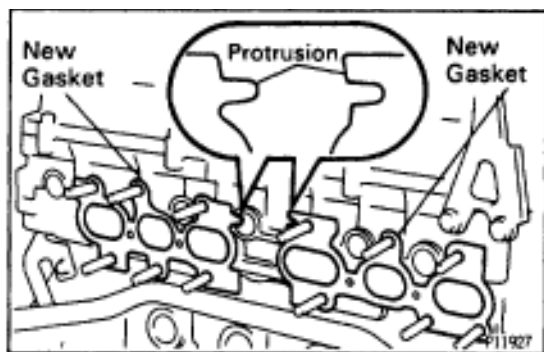
- (e) Connect the ECT sensor and sender gauge connectors.
- (f) Connect the upper radiator hose to the water outlet.

**20. INSTALL DRIVE BELT**

Install the drive belt by turning the drive belt tensioner clockwise.

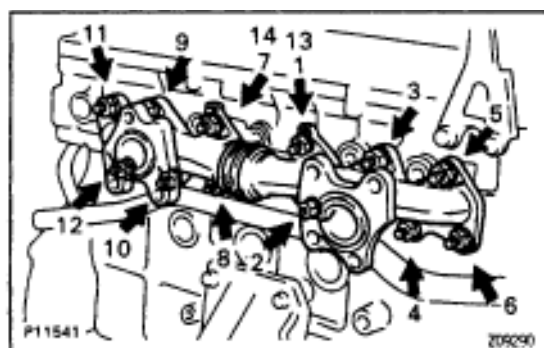
**21. M/T:**

**INSTALL DRIVE BELT TENSIONER DAMPER  
(See step 19 in timing belt installation)**



**22. INSTALL EXHAUST MANIFOLD**

- (a) Place 2 new gaskets to the cylinder head facing the protrusion as shown.



- (b) Install the exhaust manifold with 12 new nuts, in several passes, in the sequence shown.

Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

**23. INSTALL TURBOCHARGER**

**(See turbocharger installation in Turbocharger System)**