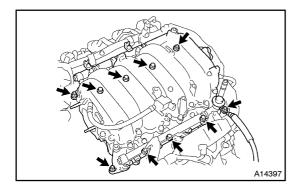
CYLINDER HEAD GASKET NO.2

REPLACEMENT

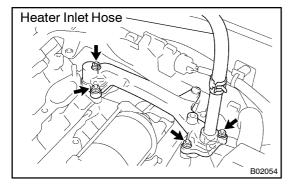
1. WORK FOR PREVENTING GASOLINE FROM SPILLING OUT (See page 11-6)

- 2. REMOVE[NO.3|CAMSHAFT|SUB-ASSY|(See[page]14-89)
- 3. REMOVE THROTTLE BODY ASSY (See page 10-9)
- 4. REMOVE V-BANK COVER BRACKET NO.1
- 5. REMOVE V-BANK COVER BRACKET NO.2
- 6. REMOVE V-BANK COVER BRACKET NO.3
- 7. REMOVE V-VANK COVER BRACKET NO.4
- 8. REMOVE VACUUM SWITCHING VALVE ASSY
- 9. DISCONNECT[FUEL[PIPE[\$UB-ASSY[NO.2[See[page]1-16])



10. REMOVE INTAKE MANIFOLD ASSY

(a) Remove the 6 bolts, 4 nuts, upper and lower intake manifold assembly and 2 gaskets.

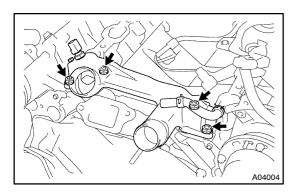


11. REMOVE WATER BY-PASS JOINT RR

- (a) Disconnect the heater inlet hose from the water by–pass joint.
- (b) Remove the 4 nuts, water by-pass joint and 2 gaskets.

12. REMOVE WATER INLET HOUSING

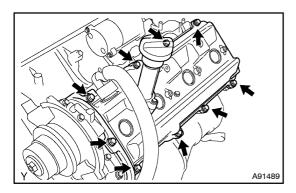
(a) Remove the 2 bolts and inlet housing.



13. REMOVE WATER BY-PASS JOINT FR

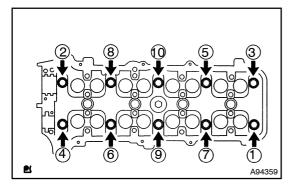
- (a) Disconnect the ECT sensor connector.
- (b) Remove the 4 nuts, water by-pass joint and 2 gaskets.

14. REMOVE W/CATALYST CONVERTER ASSY



15. REMOVE CYLINDER HEAD LH

- (a) Disconnect the wire clamp from the wire bracket on the cylinder head cover.
- (b) Remove the EVAP from the cylinder head cover.
- (c) Remove the 9 bolts, 9 seal washers, cylinder head cover and gasket.



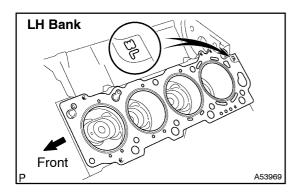
(d) Uniformly loosen and remove the 10 cylinder head bolts and plate washers in the sequence shown in the illustration.

NOTICE:

Be careful not to drop washers into the cylinder head.

(e) Remove the cylinder head together with the LH manifold.

16. REMOVE CYLINDER HEAD GASKET NO.2

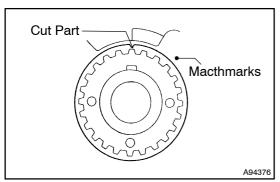


17. INSTALL CYLINDER HEAD GASKET NO.2

- (a) Place a new cylinder head gasket in position on the cylinder block.
- (b) The rear side of the cylinder head gasket has marks so that the RH and LH banks can be distinguished. A "3L" mark is on the LH bank's gasket.

NOTICE:

Be careful of the installation direction.

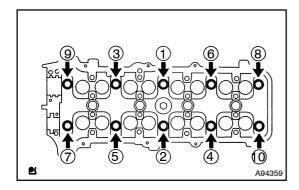


18. INSTALL CYLINDER HEAD LH

- (a) Check that the cut part of the crankshaft timing pulley is in the position shown in the illustration, and that the piston is below the TDC of compression.
- (b) Install the cylinder head together with the manifold RH to the cylinder block.
- (c) Apply a light coat of engine oil on the threads and under the head of the cylinder head bolts.
- (d) Put the washer on the bolt, and insert the bolt with washer into the cylinder head.

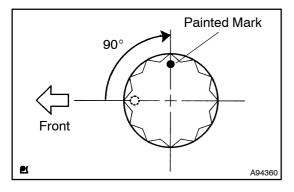
NOTICE:

Be careful not to drop washers into the cylinder head.

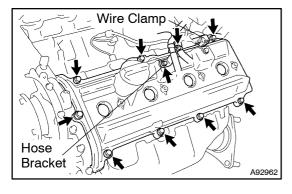


(e) Install and uniformly tighten the 10 cylinder head bolts, and plate washers in the sequence shown in the illustration.

Torque: 59 N·m (602 kgf·cm, 44 ft·lbf)



- (f) Mark the front of the cylinder head bolt head with paint.
- (g) Retighten the cylinder head bolts by 90° in the sequence shown in the illustration.
- (h) Check that the painted mark is now at a 90° angle to the front.

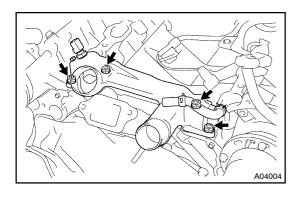


- (i) Install the gasket to the cylinder head cover.
- (j) Install the seal washer to the bolt.
- (k) Install the cylinder head cover with the 9 bolts. Uniformly tighten the bolts in several passes.

Torque: 6.0 N·m (61 kgf·cm, 53 in.·lbf)

- (I) Install the hose bracket of the EVAP to the cylinder head cover.
- (m) Install the wire clamp to the bracket on the cylinder head cover.

19. INSTALL W/CATALYST CONVERTER ASSY

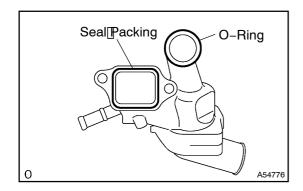


20. INSTALL WATER BY-PASS JOINT FR

(a) Install 2 new gaskets and the water by–pass joint with the 4 nuts. Alternately tighten the nuts.

Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)

(b) Connect the ECT connector.



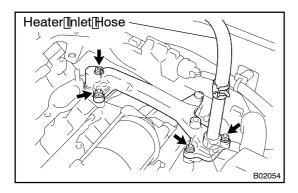
21. | INSTALL WATER INLET HOUSING

- (a) Installamew O-ring to the inlet housing.
- (b) Apply soapy water of the O-ring.
- (c) Apply[seal[packing[to[the[sealing[groove]]]] Apply[seal[packing[to[the[sealing[groove]]]]] Apply[seal[packing[to[the[sealing[groove]]]]]] Apply[seal[packing[to[the[sealing[groove]]]]]] Apply[seal[packing[the[sealing[groove]]]]] Apply[seal[packing[the[sealing[groove]]]]] Apply[seal[packing[the[sealing[groove]]]]] Apply[seal[packing[the[sealing[groove]]]]] Apply[seal[packing[the[sealing[groove]]]]] Apply[seal[packing[the[sealing[groove]]]]] Apply[seal[packing[the[sealing[the[sealing]]]]]] Apply[seal[packing[the[sealing]]]] Apply[seal[packing[the[sealing]]]] Apply[seal[packing[the[sealing]]]]] Apply[seal[packing[the[sealing]]]] Apply[seal[packing]]] Apply[seal[packing]] Apply[seal[packing]]] Apply[seal[packing]] Apply[seal[packing]]] Apply[seal[packing]] Apply[seal[packing]]] Apply[seal[packing]] Apply[seal[packing]]] Apply[seal[packing]] Apply[seal[packing]]] Apply[seal[packing]] Apply[seal[packing]]

Seal packing: Part No. 08826-00100 or equivalent

- •□ Install[a[hozzle[that[has[been[cut[to[a[2[to[3[mm (0.08[to[0.12[in.)]ppening.
- Parts[must[be[assembled[within[3]]minutes[bf[application.[Otherwise[the[material[must[be[femoved and fleapplied.]
- (d) Install the water nlet and housing assembly with the bolts. Alternately tighten the bolts.

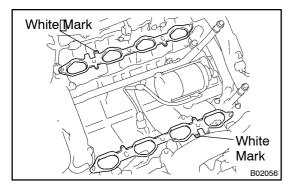
Torque: 38N·m(184kgf·cm, 33ft)bf)



22. | INSTALL WATER BY-PASS JOINT RR

(a) Install [2] mew [gaskets [and [the [water [by - pass [jbint [with [the 4]]]]] has a like in the final state of the first of the fir

Torque: 38 N·m 184 kgf·cm, 35 ft bf)

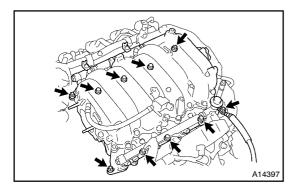


23. INSTALL INTAKE MANIFOLD ASSY

(a) Place [2] thew to askets to not the three th

NOTICE:

Be careful of the installation direction.



(b) Install the upper and lower intake manifold assembly with the 6 bolts and 4 nuts.

Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)

- 24. INSTALL[FUEL[PIPE[\$UB-ASSY[NO.2[[See[page[]1-16]]]]
- 25. INSTALL VACUUM SWITCHING VALVE ASSY
- 26. INSTALL V-VANK COVER BRACKET NO.4
- 27. INSTALL V-BANK COVER BRACKET NO.3
- 28. INSTALL V-BANK COVER BRACKET NO.2

- 29. INSTALL V-BANK COVER BRACKET NO.1
- 30. INSTALL[THROTTLE[BODY[ASSY[See[page]]0-9]
- 31. INSTALL NO.3 CAMSHAFT SUB-ASSY See page 4-89)