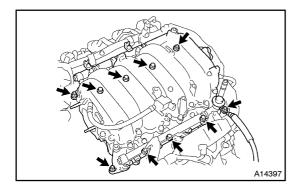
CYLINDER HEAD GASKET

REPLACEMENT

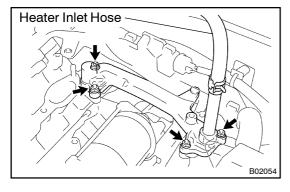
141MT-01

- 1. WORK[FOR[PREVENTING[GASOLINE[FROM[SPILLING[OUT[See[page]]1-6]]
- 2. REMOVE CAMSHAFT See page 4-81)
- 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.

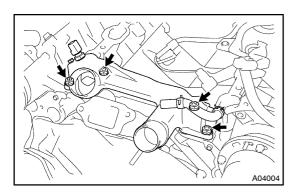


11. REMOVE WATER BY-PASS JOINT RR

- (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

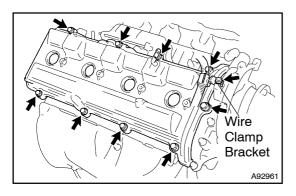
(a) Remove the 2 bolts and inlet housing.



13. REMOVE WATER BY-PASS JOINT FR

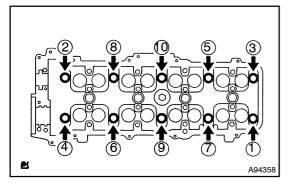
- (a) Disconnect the ECT sensor connector.
- (b) Remove the 4 nuts, water by-pass joint and 2 gaskets.

14. REMOVE W/CATALYST CONVERTER ASSY



15. REMOVE CYLINDER HEAD SUB-ASSY

- (a) Remove the bolt, and disconnect the wire clamp bracket on the engine wire from the camshaft bearing cap.
- (b) Remove the EVAP from the cylinder head cover subassy.
- (c) Remove the 9 bolts, 9 seal washers, cylinder head cover sub-assy and gasket.



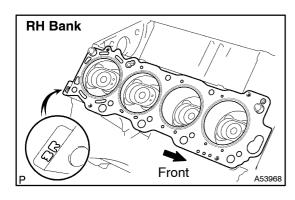
(d) Uniformly loosen and remove the 10 cylinder head bolts and plate washers the sequence shown in the illustration.

NOTICE:

Be careful not to drop washers into the cylinder head.

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

16. REMOVE CYLINDER HEAD GASKET

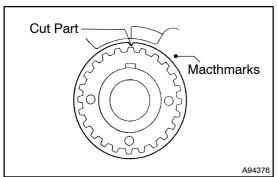


17. INSTALL CYLINDER HEAD GASKET

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

NOTICE:

Be careful of the installation direction.

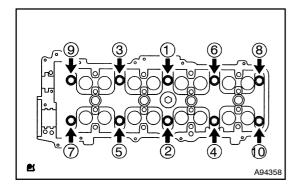


18. INSTALL CYLINDER HEAD SUB-ASSY

- (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.

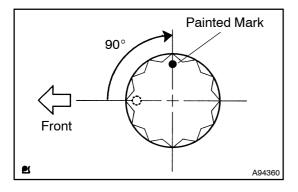
NOTICE:

Be careful not to drop washers into the cylinder head.

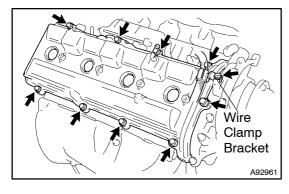


(e) Install and uniformly tighten the 10 cylinder head bolts, and plate washers in the sequence shown in the illustration.

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.
- (h) Check that the painted mark is now at a 90° angle to the front.

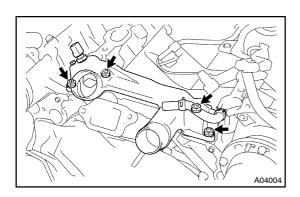


- (i) Install the gasket to the cylinder head cover.
- (j) Install the seal washer to the bolt.
- (k) Install the cylinder head cover with the 9 bolts. Uniformly tighten the bolts in several passes. Install the 2 cylinder head covers.

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

(I) Install the wire clamp bracket on the engine wire to the camshaft bearing cap.

19. INSTALL W/CATALYST CONVERTER ASSY

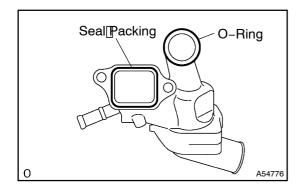


20. INSTALL WATER BY-PASS JOINT FR

(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 sensor connector.



21. | INSTALL WATER INLET HOUSING

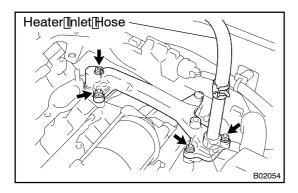
- (a) Installa hew D-ring to the inlet housing.
- (b) Apply soapy water of the O-ring.
- (c) Apply[seal[packing[to[the[sealing[groove]]]] Apply[seal[packing[to[the[sealing[groove]]]]] Apply[seal[packing[to[the[sealing[groove]]]]]] Apply[seal[packing[to[the[sealing[groove]]]]]] Apply[seal[packing[to[the[sealing[groove]]]]]]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

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 inlet and housing assy with the 2 holts.

 Alternately tighten the bolts.

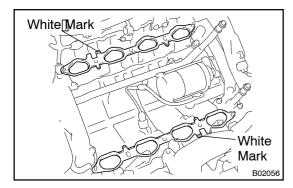
Torque: 38 N·m 184 kgf·cm, 37 ft bf)



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)

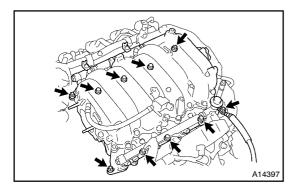


23. INSTALL INTAKE MANIFOLD ASSY

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

NOTICE:

Becareful of the installation direction.



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

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

- 24. INSTALL FUEL PIPE SUB-ASSY NO.2 (See page 11-16)
- 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 CAMSHAFT See page 4-81)