

INTAKE MANIFOLD TO HEAD GASKET NO.1

1308H-01

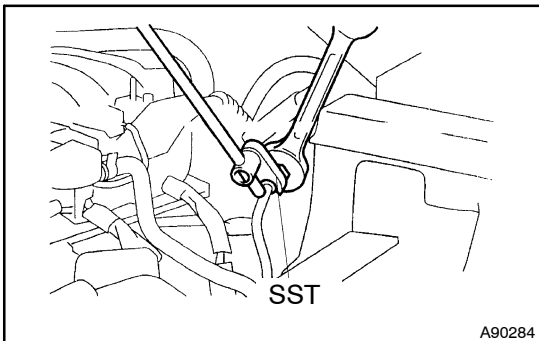
REPLACEMENT

1. **DRAIN ENGINE COOLANT**
2. **WORK FOR PREVENTING GASOLINE FROM SPILLING OUT**
3. **REMOVE V-BANK COVER**
 - (a) Remove the 2 nuts and V-bank cover.
4. **REMOVE AIR CLEANER INLET NO.1**
5. **REMOVE INTAKE AIR CONNECTOR PIPE**
 - (a) Disconnect the air hose and ventilation hose No. 1.
 - (b) Remove the bolt, hose clamp and intake air connector pipe.
6. **REMOVE THROTTLE BODY ASSY**
 - (a) Disconnect the connector from the throttle body.
 - (b) Disconnect the PCV hose.
 - (c) Disconnect the 2 water by-pass hoses.

HINT:

It is not necessary to disconnect the water by-pass hose that has both ends connected to the throttle body.

- (d) Remove the bolts, 2 nuts and throttle body.
7. **REMOVE V-BANK COVER BRACKET NO.1**
 - (a) Remove the bolt and cover bracket.
8. **REMOVE V-BANK COVER BRACKET NO.2**
 - (a) Remove the bolt and cover bracket.
9. **REMOVE V-BANK COVER BRACKET NO.3**
 - (a) Remove the bolt and cover bracket.
10. **REMOVE V-BANK COVER BRACKET NO.4**
 - (a) Remove the 2 nuts and cover bracket.
11. **REMOVE VACUUM SWITCHING VALVE ASSY FOR EVAP**
 - (a) Disconnect the VSV connector.
 - (b) Disconnect the 2 hoses from the VSV.
 - (c) Remove the bolt and VSV.

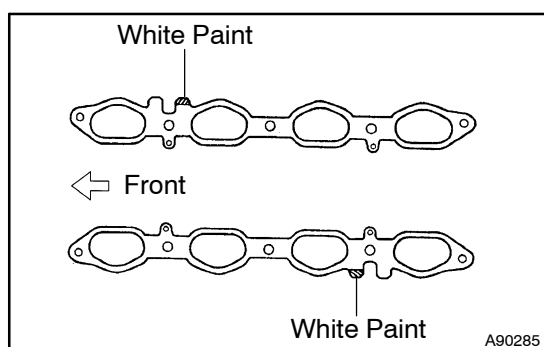


12. **DISCONNECT FUEL PIPE SUB-ASSY NO.2**
 - (a) Using SST, disconnect the fuel main hose.
SST 09023-38400

13. **REMOVE INTAKE MANIFOLD**
 - (a) Remove the bolt and the water bypass pipe No. 1 and No. 2.
 - (b) Disconnect the vacuum hose for the brake booster.
 - (c) Disconnect the air hose for the power steering.
 - (d) Disconnect the ventilation hose.

- (e) Disconnect the injector connector.
- (f) Remove the 6 bolts, 4 nuts and intake manifold.

14. REMOVE INTAKE MANIFOLD TO HEAD GASKET NO.1



15. INSTALL INTAKE MANIFOLD TO HEAD GASKET NO.1

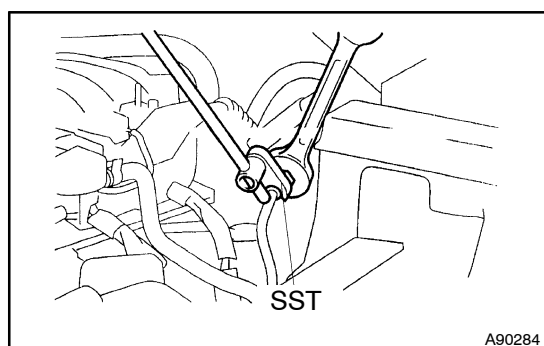
- (a) Install 2 new gaskets to the cylinder head.

HINT:

The white-painted area on each gasket should face up as shown in the illustration.

16. INSTALL INTAKE MANIFOLD

- (a) Install the intake manifold with the 6 bolts and 4 nuts.
Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)
- (b) Connect the injector connector.
- (c) Connect the ventilation hose.
- (d) Connect the air hose for the power steering.
- (e) Connect the vacuum hose for the brake booster.
- (f) Install the water by-pass pipe No. 1 and No. 2 with the bolt.



17. CONNECT FUEL PIPE SUB-ASSY NO.2

- (a) Using SST, install the fuel main hose.
SST 09023-38400
Torque: 35 N·m (355 kgf·cm, 26 in·lbf)

18. INSTALL VACUUM SWITCHING VALVE ASSY FOR EVAP

- (a) Install the VSV with the bolt.
Torque: 7.5 N·m (76 kgf·cm, 66 in·lbf)

19. INSTALL V-BANK COVER BRACKET NO.4

- (a) Install the cover bracket with the 2 nuts.
Torque: 7.5 N·m (76 kgf·cm, 66 in·lbf)

20. INSTALL V-BANK COVER BRACKET NO.3

- (a) Install the cover bracket with the bolt.
Torque: 7.5 N·m (76 kgf·cm, 66 in·lbf)

21. INSTALL V-BANK COVER BRACKET NO.2

- (a) Install the cover bracket with the bolt.
Torque: 7.5 N·m (76 kgf·cm, 66 in·lbf)

22. INSTALL V-BANK COVER BRACKET NO.1

- (a) Install the cover bracket with the bolt.
Torque: 7.5 N·m (76 kgf·cm, 66 in·lbf)

23. INSTALL THROTTLE BODY ASSY

- (a) Install the throttle body with the 2 bolts and 2 nuts.
- (b) Connect the water by-pass hose.
- (c) Connect the PCV hose.
- (d) Connect the connector to the throttle body.

24. INSTALL INTAKE AIR CONNECTOR PIPE

- (a) Install the intake air connector pipe with the bolt and hose clamp.

Torque:**4.0 N·m (40 kgf·cm, 35 in.·lbf) for hose clamp****5.0 N·m (50 kgf·cm, 44 in.·lbf) for bolt**

- (b) Connect the air hose and ventilation hose No. 1 together.

25. INSTALL AIR CLEANER INLET NO.1**26. INSPECT FUEL PUMP OPERATION AND CHECK FOR FUEL LEAKS****27. INSTALL V-BANK COVER**

- (a) Install the V-bank cover with the 2 nuts.

Torque: 5.0 N·m (50 kgf·cm, 44 in.·lbf)**28. REFILL ENGINE COOLANT****29. CHECK FOR ENGINE COOLANT LEAKS**

- (a) Check for engine coolant leaks.

If leaks are present, find the leak and repair or replace parts as necessary.