EC050-07

## REPLACEMENT

- 1. REMOVE ENGINE COVER
- 2. REMOVE AIR CLEANER INLET
- 3. REMOVE AIR CLEANER ASSEMBLY AND MAF ME-TER (See page EM-65)
- 4. DISCONNECT HEATED OXYGEN SENSORS (BANK 1 SENSOR 1, 2) FROM EXHAUST MANIFOLD
- (a) Disconnect the 3 oxygen sensor connectors.
- (b) Disconnect the 2 oxygen sensors from the exhaust manifold.
- 5. REMOVE FRONT EXHAUST PIPE (WITH REAR TWC)
- (a) Take out the front side of the floor carpet.
- (b) Disconnect the heated oxygen sensor (bank 2 sensor 2) connector.
- (c) Remove the 2 bolts and pipe support bracket.
- (d) Remove the 5 bolts, front exhaust pipe and 3 gaskets.

## 6. REMOVE EXHAUST MANIFOLD (WITH FRONT TWC)

- (a) Using a 14 mm deep socket wrench, remove the 8 nuts, exhaust manifold and 2 gaskets.
- (b) Remove the heated oxygen sensor (bank 2 sensor 1) form the exhaust manifold.
- 7. REINSTALL EXHAUST MANIFOLD (WITH FRONT TWC)
- (a) Install the heated oxygen sensor (bank 2 sensor 1) to the exhaust manifold.

## Torque: 45 N·m (450 kgf·cm, 33 ft·lbf)

- (b) Install 2 new gaskets to the cylinder head.
- (c) Using a 14 mm deep socket wrench, install a new exhaust manifold with 8 new nuts. Uniformly tighten the nuts in several passes.

Torque: 40 N·m (408 kgf·cm, 30 ft·lbf)

- 8. REINSTALL FRONT EXHAUST PIPE (WITH REAR TWC)
- (a) Reinstall new 3 gaskets and front exhaust pipe with 5 bolts and support bracket.

Torque: 44 N·m (440 kgf·cm, 32 ft·lbf)

- (b) Reinstall the pipe support bracket with the 2 bolts. Torque: 44 N·m (440 kgf·cm, 32 ft·lbf)
- 9. RECONNECT HEATED OXYGEN SENSORS (BANK 1 SENSOR 1, 2) TO EXHAUST MANIFOLD
- (a) Install the 2 oxygen sensors to the exhaust manifold. Torque: 45 N·m (450 kgf·cm, 33 ft·lbf)
- (b) Connect the 3 oxygen sensor connectors.
- 10. REINSTALL AIR CLEANER ASSEMBLY AND MAF MATER (See page EM-71 )
- 11. REINSTALL AIR CLEANER INLET



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## 12. REINSTALL ENGINE COVER