

Product: EXCAVATOR

Model: E200B EXCAVATOR 4SG

Configuration: EL200B EXCAVATOR 4SG00001-UP (MACHINE) POWERED BY S6KT ENGINE

## **General Service Information**

### **SK4 & SK6 ENGINES BASIC ENGINE COMPONENTS**

Media Number -XEBR1230-00

Publication Date -01/05/1991

Date Updated -13/10/2001

## **Engine Accessory Removal And Installation**

### **1. Preparatory Steps**

This section explains the procedures and suggestions for removal and installation of the accessories - the preparatory steps to go through for overhauling the engine.

- (a) Shut off fuel supply, and disconnect the starting system from the engine.
- (b) Loosen the drain cock, on the left rear side of crankcase, and drain coolant.
- (c) Loosen the oil pan drain plug, and drain engine oil.

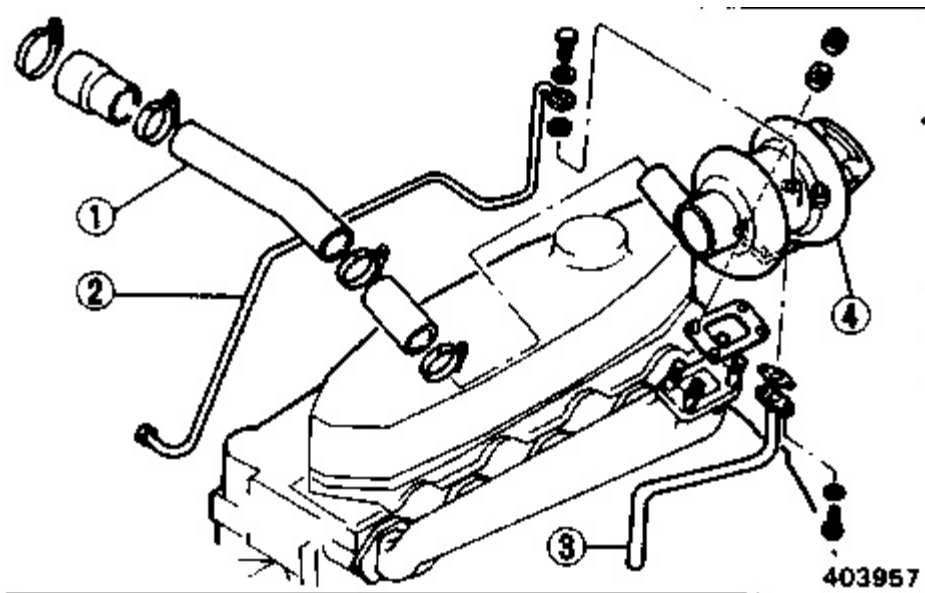


**WARNING**

**Hot engine oil can cause personal injury if it contacts the skin. Use caution when draining the oil.**

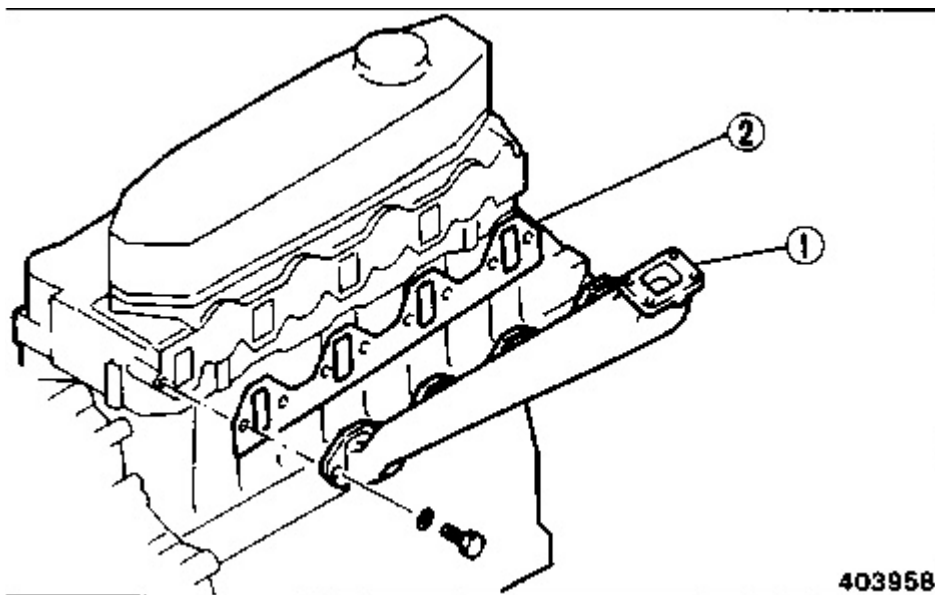
### **2. Engine Accessory Removal**

- (1) Removing turbocharger [turbocharged engines]

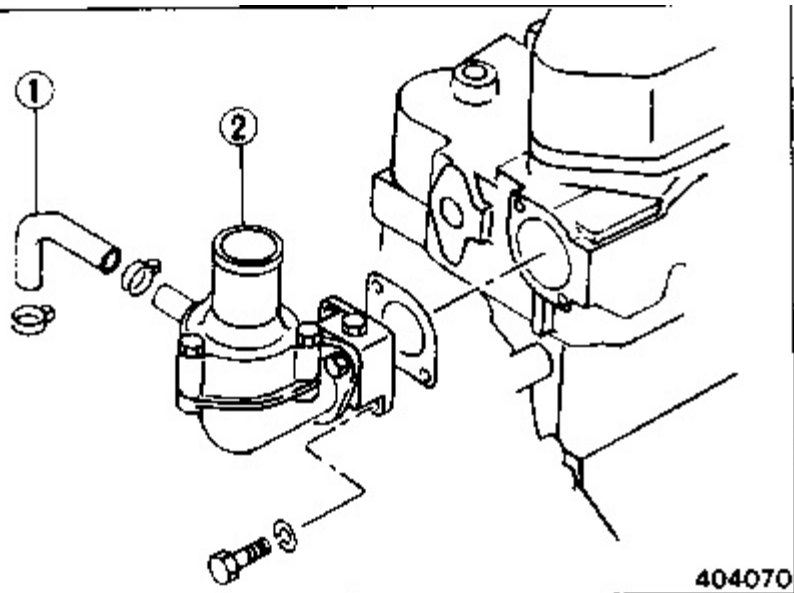


- (a) Disconnect pipe (1) between the turbocharge and inlet manifold.
  - (b) Disconnect turbocharger lubricating oil pipe (2) and drain pipe (3).
  - (c) Remove turbocharger (4) from the exhaust manifold.
- (2) Removing exhaust manifold

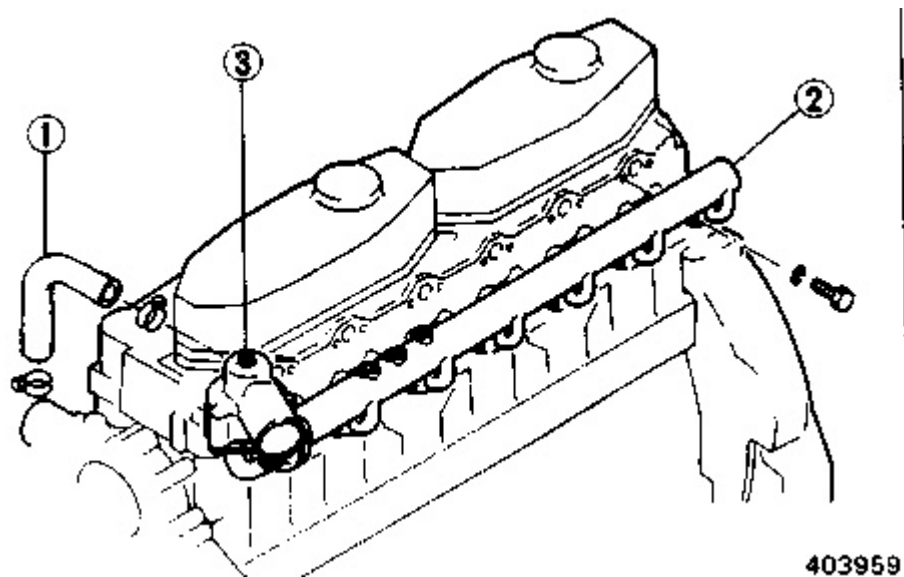
Unscrew bolts securing exhaust manifold (1), and remove the manifold and gasket (2).



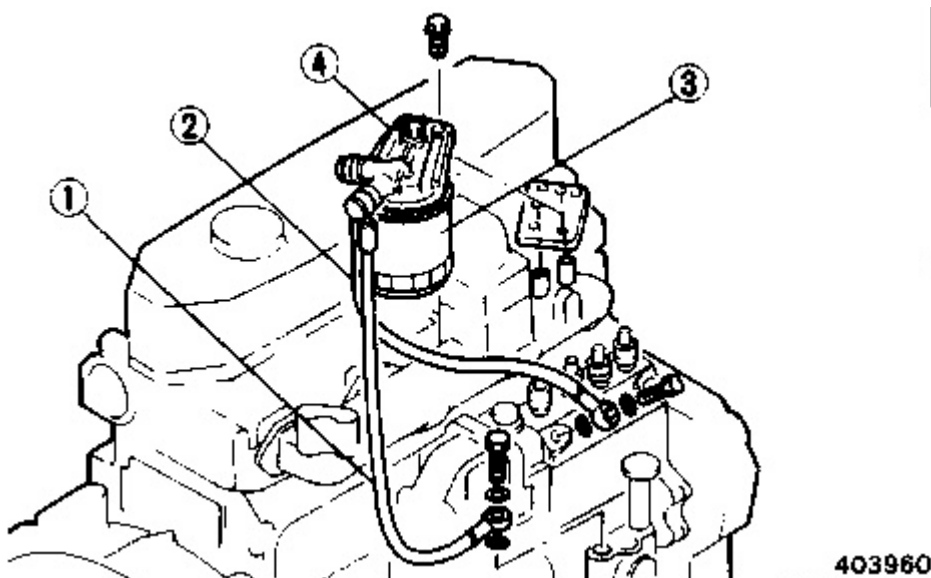
- (3) Removing thermostat (S4K, S4K-T)



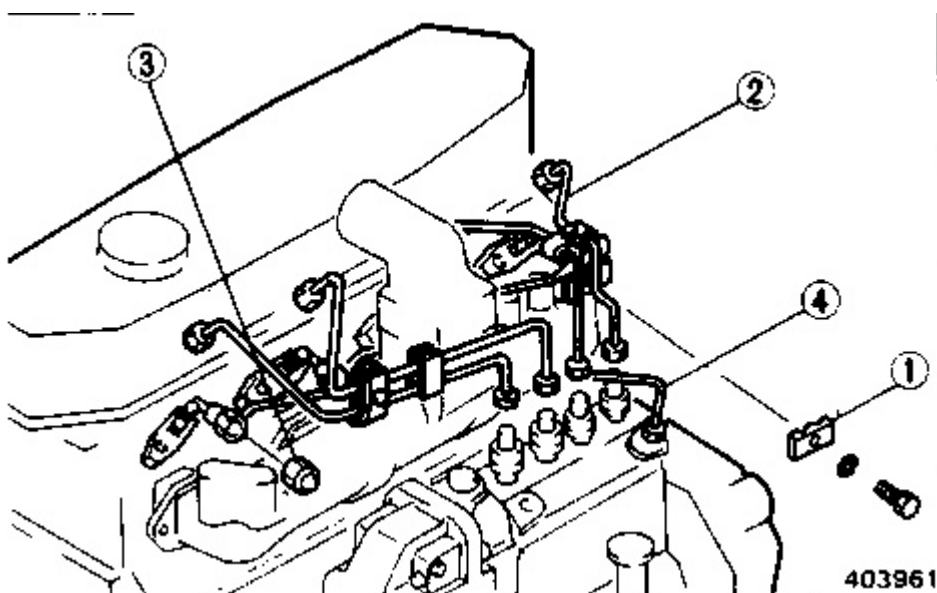
- (a) Disconnect water bypass hose (1).
- (b) Remove thermostat case (2).
- (4) Removing water outlet pipe and thermostat (S6K, S6K-T)



- (a) Disconnect water bypass hose (1).
- (b) Remove water outlet pipe (2) and thermostat case (3) as an assembly.
- (5) Removing fuel filter



- (a) Disconnect fuel pipes (1)(2).
- (b) Remove fuel filter (3) and bracket (4) as an assembly.
- (6) Removing fuel injection pipes

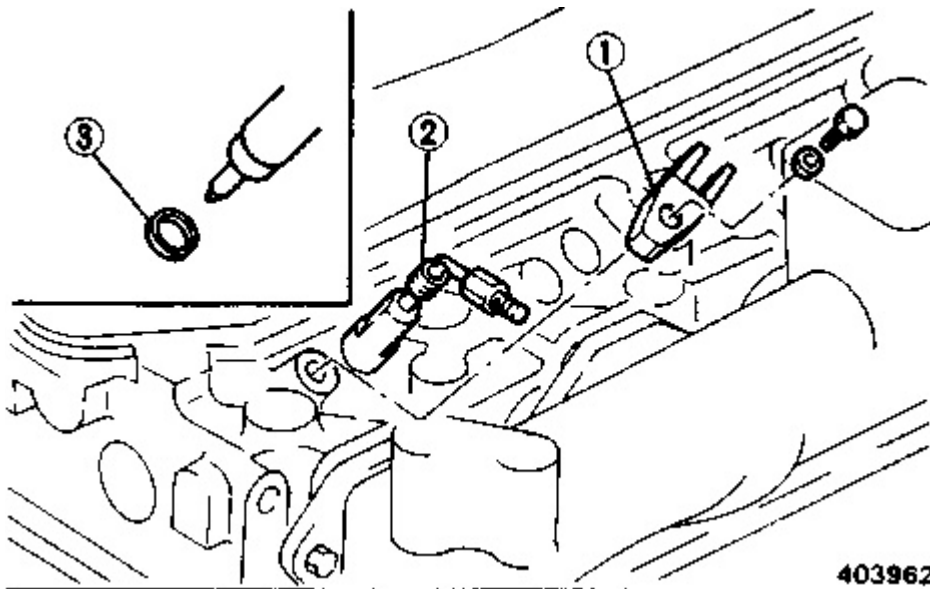


- (a) Remove pipe clamp (1), and disconnect injection pipes (2).
- (b) Unscrew lock nut (3), and remove leak-off pipe (4).

### NOTICE

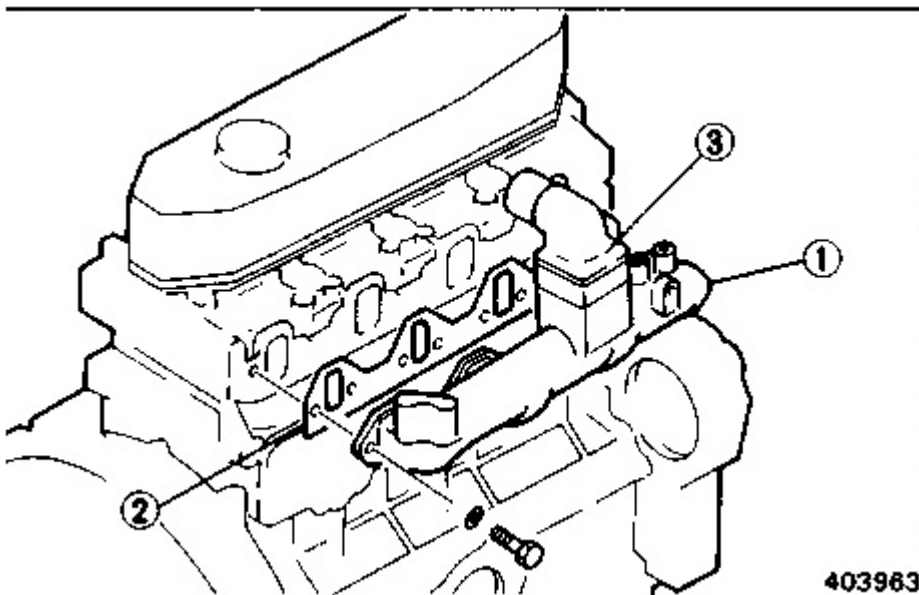
**Be sure to fit rubber caps to the openings of the injection pumps and nozzle holders to prevent dust from getting inside the fuel system.**

- (7) Removing fuel injection nozzles



Take off nozzle gland (1), and remove injection nozzle (2) and gasket (3).

#### (8) Removing inlet manifold and air heater



Unscrew the bolts securing inlet manifold (1), and remove the manifold and gasket (2) complete with air heater (3).

#### (9) Removing fuel injection pump

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