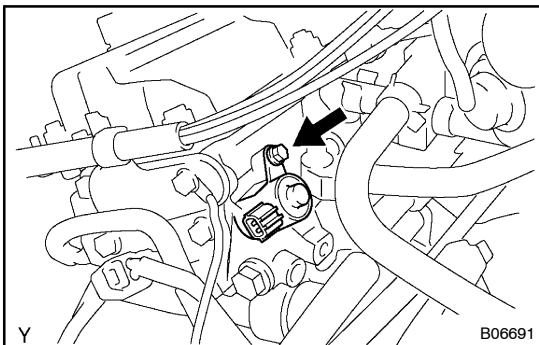
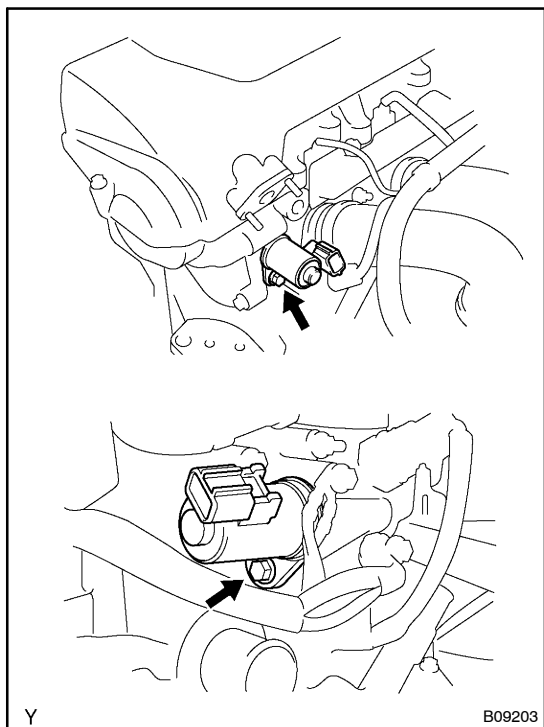


REMOVAL

1. REMOVE NO. 2 CYLINDER HEAD COVER
2. 2ZZ-GE:
DISCONNECT 2 PCV HOSES, UPPER FRONT FENDER APRON SEAL AND UPPER RADIATOR SUPPORT SEAL
3. 2ZZ-GE:
REMOVE ALTERNATOR
 - (a) Remove the 2 bolts and alternator bracket.
Torque: 29 N·m (295 kgf·cm, 21 ft·lbf)
 - (b) Remove the drive belt.
 - (c) Remove the 2 bolts and alternator.
Torque:
14 mm head 25 N·m (250 kgf·cm, 18 ft·lbf)
17 mm head 58 N·m (590 kgf·cm, 43 ft·lbf)
4. 2ZZ-GE:
REMOVE NO. 1 VENTILATION PIPE
 - (a) Remove the 2 nuts, bolt and gasket.
HINT:
At the time of installation, please refer to the following items.
Use a new gasket.
 - (b) Remove the hose clamp and disconnect No.1 ventilation pipe.



5. 1ZZ-FE:
REMOVE CAMSHAFT TIMING OIL CONTROL VALVE
 - (a) Disconnect the oil control valve connector.
 - (b) Remove the bolt and oil control valve.
Torque: 7.5 N·m (80 kgf·cm, 66 in·lbf)
 - (c) Remove the O-ring from the oil control valve.
HINT:
At the time of installation, please refer to the following items.
Use a new O-ring.

**6. 2ZZ-GE:****REMOVE 2 CAMSHAFT TIMING OIL CONTROL VALVES**

- (a) Disconnect the oil control valve connector.
- (b) Remove the 2 bolts and oil control valves.
Torque: 8.5 N·m (87 kgf·cm, 75 in·lbf)
- (c) Remove the O-ring from the each oil control valve.

HINT:

At the time of installation, please refer to the following items.
Use a new O-ring.