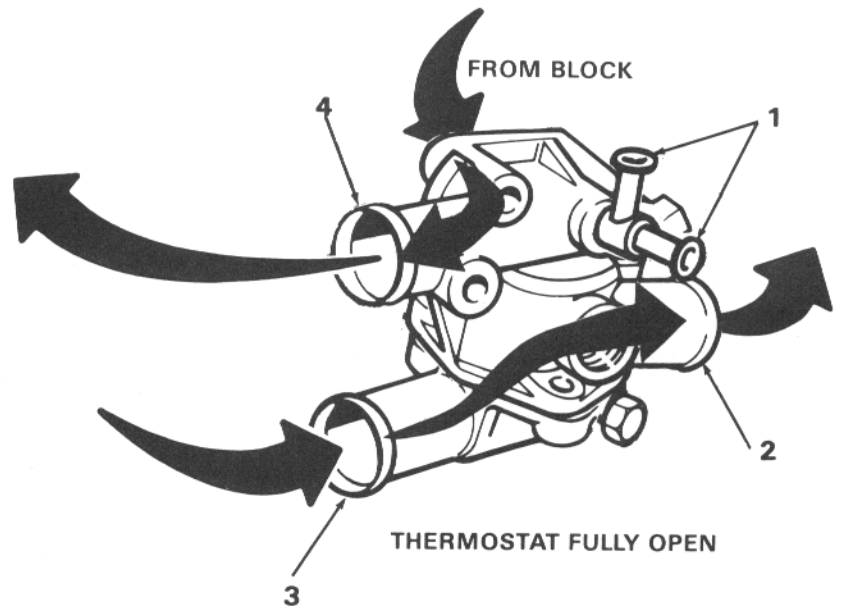
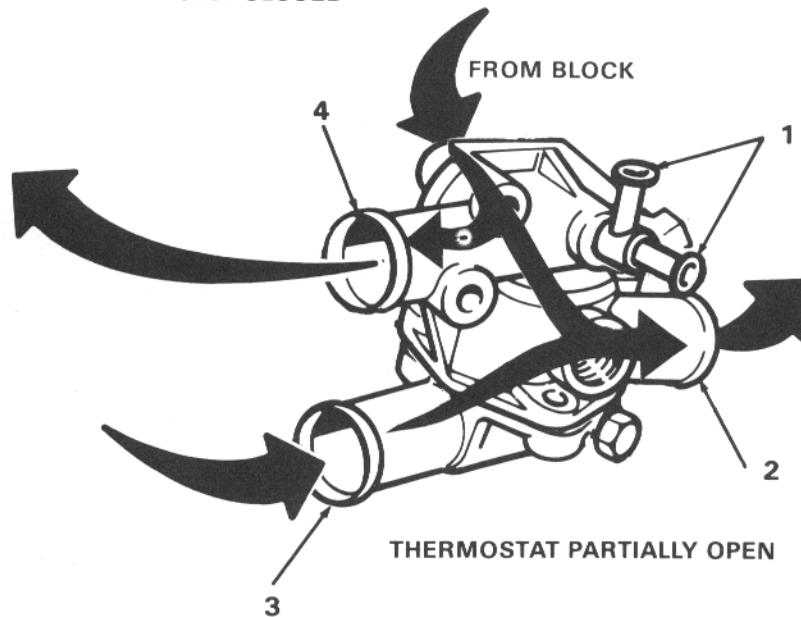


Thermostat starts to open at 172° to 183°F (78° to 84°C).  
Thermostat is fully open at 194° to 201°F (90° to 94°C).



1. Union for coolant reservoir
2. Union for water pump inlet pipe
3. Union for water inlet hose from radiator
4. Union for water outlet hose to radiator

## WATER PUMP

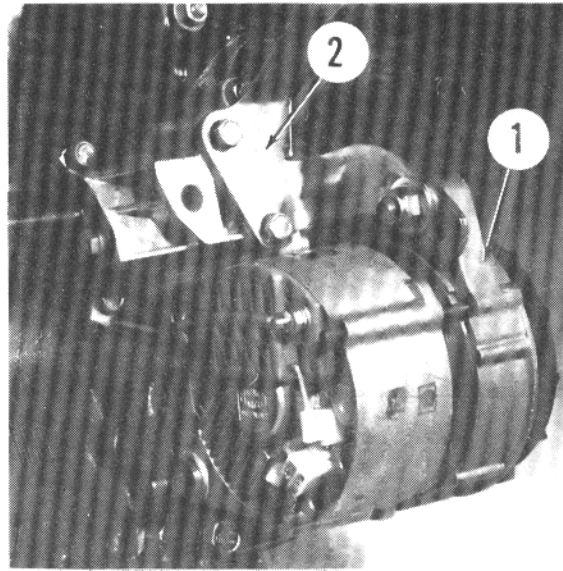
### REMOVAL AND INSTALLATION

If equipped with air pump, remove top half of timing belt cover.

Remove air pump and drive belt.

Remove alternator (1), drive belt, and alternator mount (2).

1. Alternator 2. Alternator mount



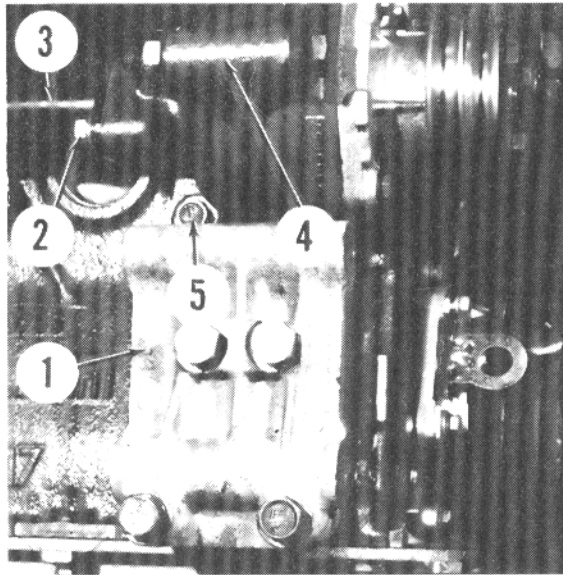
If equipped with air conditioning, remove compressor with hoses attached and set to one side. Remove compressor mount.

Remove two bolts (2) holding water pipe (3) to water pump (4) and disconnect pipe.

Remove four bolts (5) holding pump to block and remove pump and gasket.

Installation is reverse of removal. Use new gaskets.

1. A/C compressor mount 2. Bolt 3. Water pipe 4. Bracket  
5. Bolt



## THERMOSTAT ASSEMBLY

### REMOVAL AND INSTALLATION

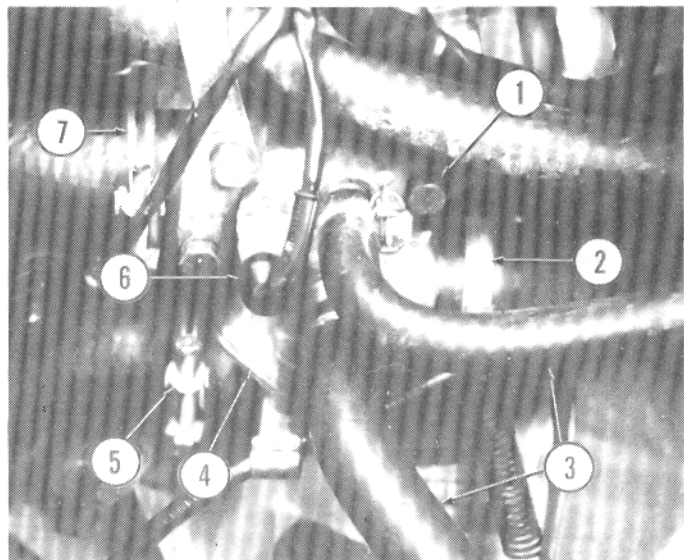
Drain cooling system to below thermostat assembly level.

Remove clamps (2, 5, and 7) from three large hoses and two coolant recovery hoses (3). Remove hoses from assembly.

On fuel injected vehicles, remove coolant temperature sensor connector (6).

Remove three bolts (1) holding thermostat assembly (4) to cylinder head. Remove assembly and gasket.

1. Bolt 2. Clamp 3. Coolant recovery hoses 4. Thermostat assembly  
5. Clamp 6. Coolant temperature sensor 7. Clamp



# Water Pump and Ducts

104.02

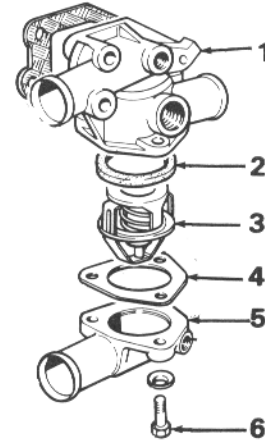
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To remove thermostat from assembly, remove three bolts (6) and washers holding housing cover (5) to housing (1).

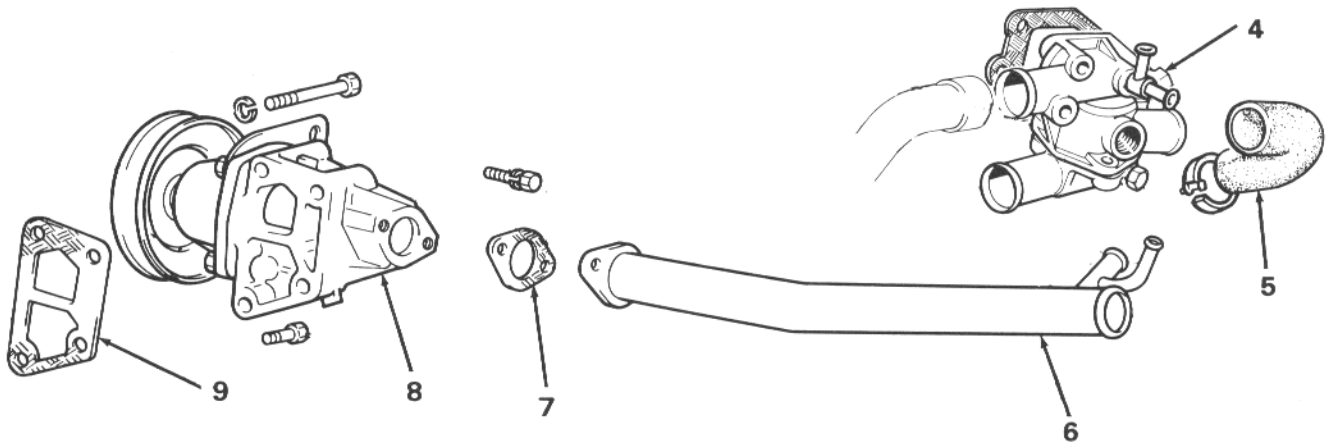
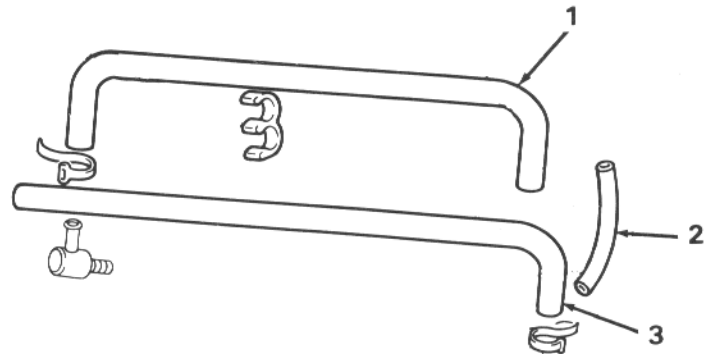
Remove thermostat (3) and seal (2) from housing.

Installation is reverse of removal. Use new gaskets.

- 1. Housing
- 2. Seal
- 3. Thermostat
- 4. Gasket
- 5. Housing cover
- 6. Bolt



- 1. Hose
- 2. Hose
- 3. Hose
- 4. Thermostat assembly
- 5. Hose
- 6. Water manifold
- 7. Gasket
- 8. Water pump
- 9. Gasket



EXPLODED VIEW OF WATER PUMP AND DUCTS