■COOLING SYSTEM

1. General

- The cooling system is a forced circulation type.
  W04D-J: A thermostat with bottom bypass valve is installed on outlet side, and its opening temperature is 82°C (179.6°F).
  S05C series: A thermostat with bottom bypass valve is installed on the water inlet side, and its opening temperature is 76.5°C (169.7°F).
- The radiator has an aluminum core for reduced weight and improved recycle ability. The radiator has the largest radiation surface in its class and more than enough cooling performance, and the fin pitch was increased to prevent performance drops due to clogging and other problems that arise from long-term use. Air guides were provided at the left and right sides and on the upper and bottom of the radiator for improved cooling performance.
- The radiator cap opening pressure is 90 kPa (0.9 kg/cm^2).

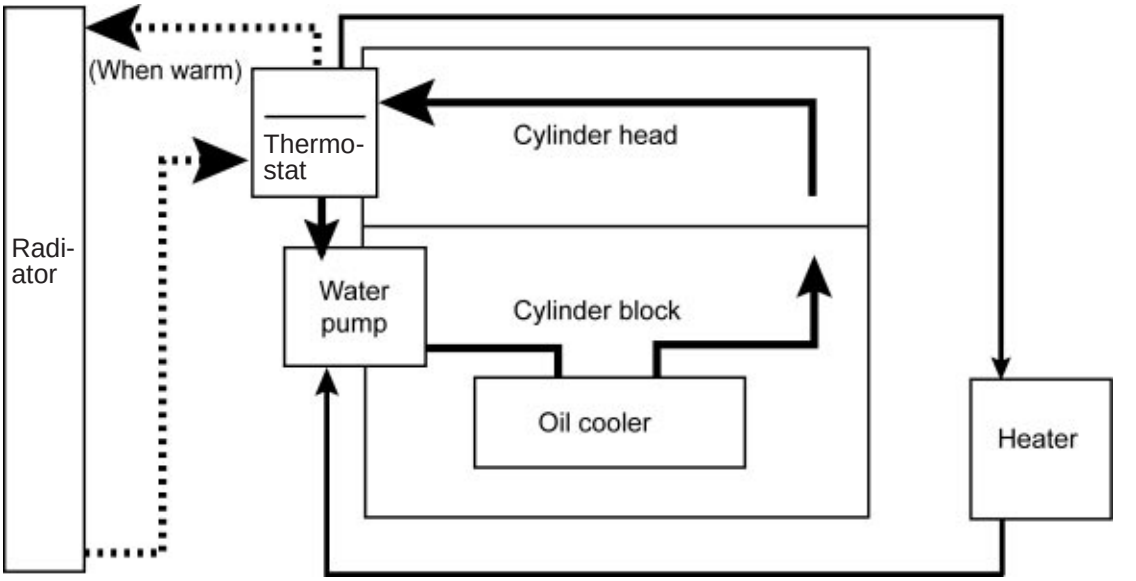
▶ Radiator Specifications ◀

Cab Type	Regular Cab	Wide Cab	
Engine Type	W04D-J	W04D-J, S05C-B	S05C-TA, S05C-TB
Core dimension [mm (in.)] width × height × depth	480 × 545 × 36 (18.89 × 21.45 × 1.41)	564.6 × 524.2 × 27 (22.23 × 20.64 × 1.06)	564.6 × 599.2 × 36 (22.23 × 23.59 × 1.42)
Fin pitch [mm (in.)]	4.0 (0.16)	3.0/2 (0.12)	3.0/2 (0.12)

▶ Fan Specifications ◀

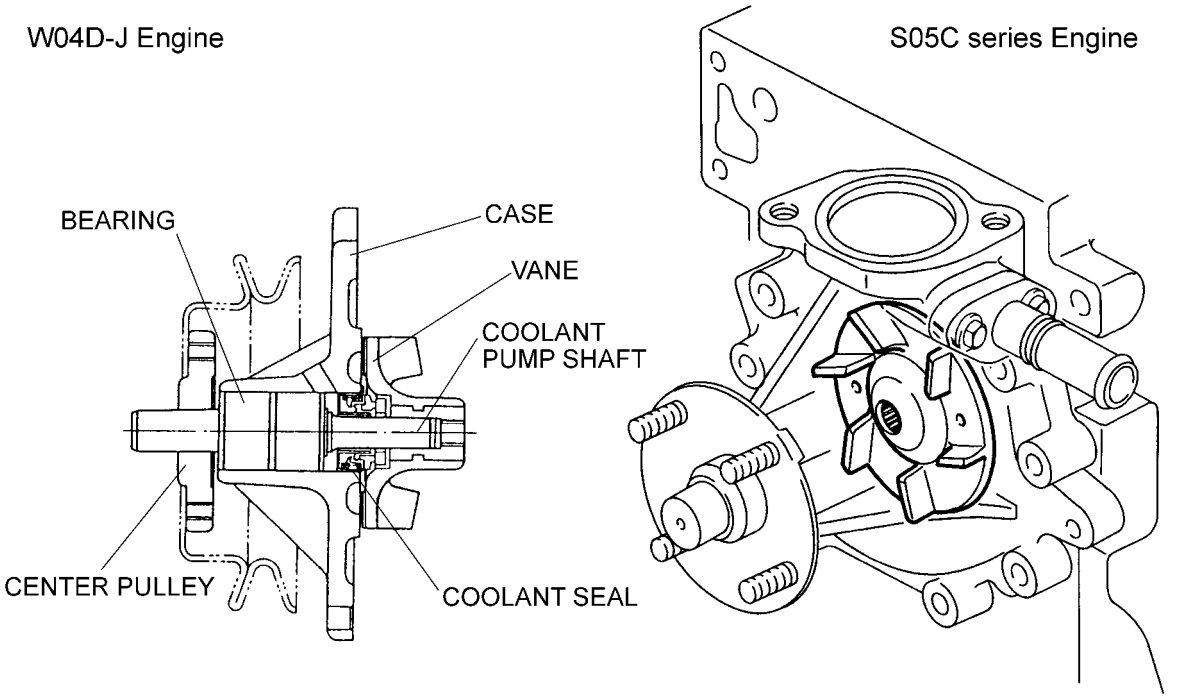
Engine Type	W04D-J	S05C-B	S05C-TA, S05C-TB
Fan diameter [mm (in.)]	380 (14.96)	430 (16.93)	520 (20.47)
Number of blades	7	10	10

▶ Coolant Flow ◀



2. Water Pump

- The water pump is mounted on the cylinder block front and is belt-driven.



▶ Water Pump Specifications ◀

Engine Type		S05C Series	W04D
Rotor diameter	[mm (in.)]	85 (3.35)	75 (2.95)
Bearing diameter	[mm (in.)]	42 (1.65)	30 (1.18)
Number or rotor blades		6	5
Discharge capacity	[L/min.] (Speed [r/min.])	176 (3447)	140 (4160)