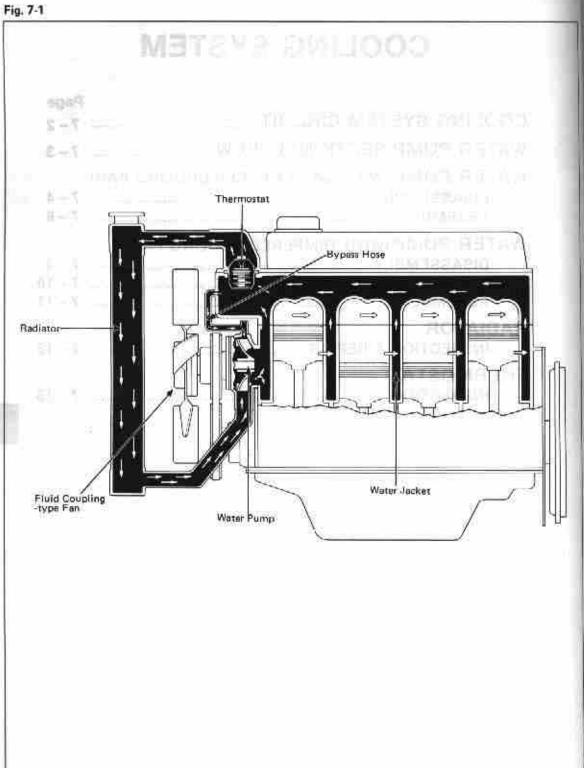
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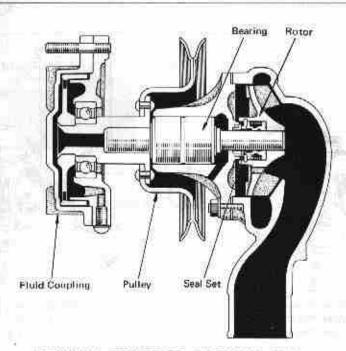
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COOLING SYSTEM CIRCUIT

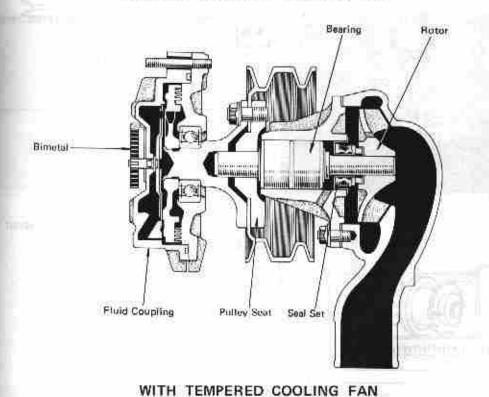


WATER PUMP SECTIONAL VIEW

Fig 7.2



WITHOUT TEMPERED COOLING FAN



WATER PUMP(WITHOUT TEMPERED COOLING FAN)

DISASSEMBLY

Disassemble in numerical order.

Fig. 7-3

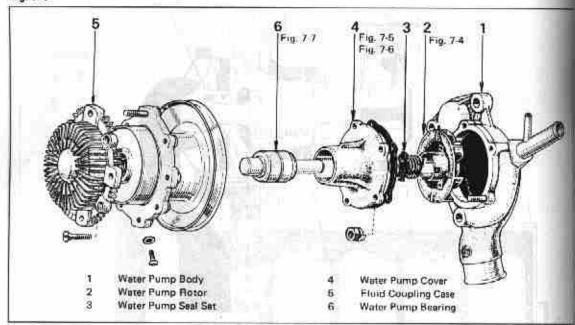
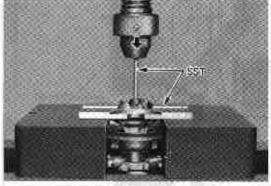


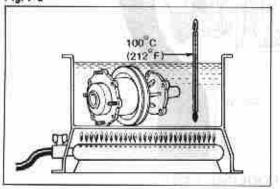
Fig. 7-4





Using SST [09236-00100] and press, remove to rotor.

Fig. 7-5





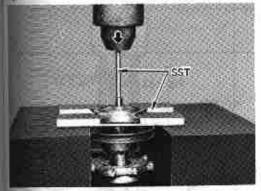
Heat the water pump nover to about 100, (212°F).

Fig. 7-6

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fg. 7-8

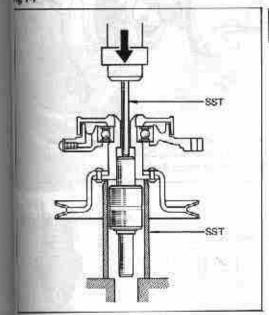
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Using SST [09236-00100] and press, force out the bearing from cover.

Fig. 7-7



Using SST [09236-00100] and press, force out the bearing from fluid coupling.

ortho

100°C

ASSEMBLY

Assemble in numerical order.

Fig. 7-8

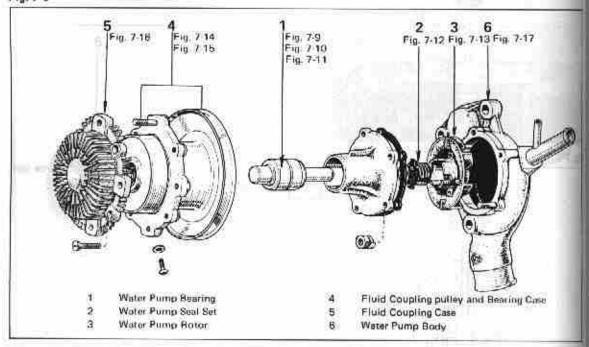
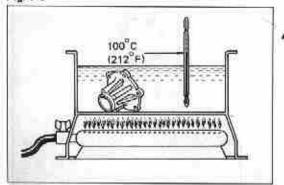
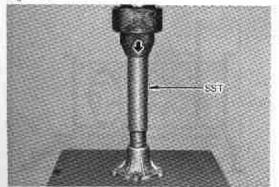


Fig. 7-9



Heat the cover to about 100°C (212°F)







Using SST [09236 00100], press the beam into the cover.

- caution -

Never press on the bearing shaft.

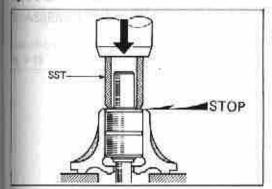
Fig. 7

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Fig. 7

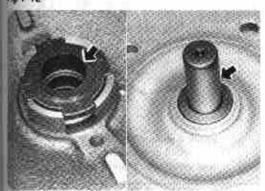
Fig. 7-11



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Press in until the bearing end surface is flush with the cover upper surface.

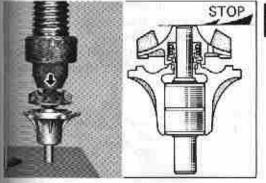
Ft 7-12



*

Apply a small amount of silicon oil on contacting surface between the floating snat and the thrust washer, and assemble the seal set.

Fig. 7-13

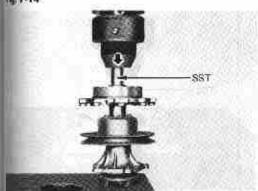


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Press the rotor into the bearing shaft, and align the shaft and rotor at top and surface.

Fig. 7-14

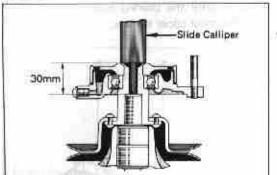
ring





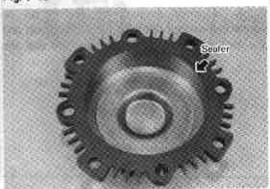
Using SST [09236-00100] and press, install the fluid coupling onto the bearing shaft,

Fig. 7-15



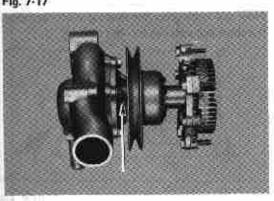
Install the fluid coupling as shown.

Fig. 7-16



Apply liquid sealer on the coupling mounting surface and install the coupling car

Fig. 7-17





Install so that the pump cover drain hole will be positioned downward.

> Applicable Fluid 6,000 cat RT,RX A/T (General) except RT,RX A/T (General) 3,000 at 25 cc Capacity

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WATER PUMP(WITH TEMPERED COOLING FAN)

DISASSEMBLY

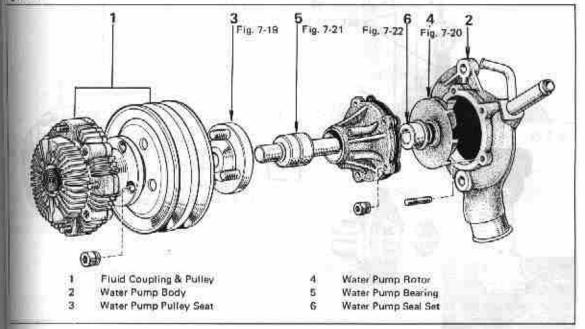
manufacture in numerical order.

Fig. 7-18

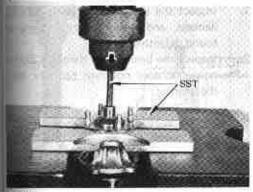
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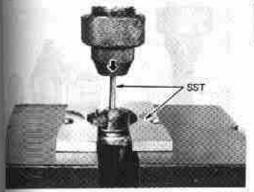
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Using SST [09236-00100] and a press, force out the bearing shaft from the pulley seat.

1,7-20





Using SST [09236-00100] and a press; force out the bearing shaft from the rotor.

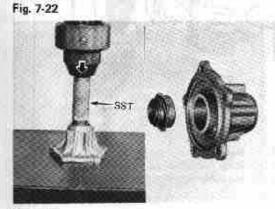
Fig. 7-21



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Heat the water pump cover to about 100°C (212°F), and using SST [09236-00100] and press, force out the bearing from the pump cover.

Atte



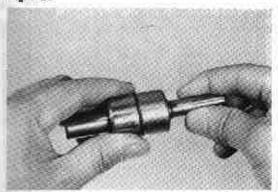


Using a press, force out the seal set from the pump cover,

- Note -

Force out from the pulley end.

Fig. 7-23





- Inspect the disassembled parts for cracks damage, and wear, and replace any part found defective.
- Inspect the bearing. If damaged, produce noise, or does not turn properly, replace the bearing.

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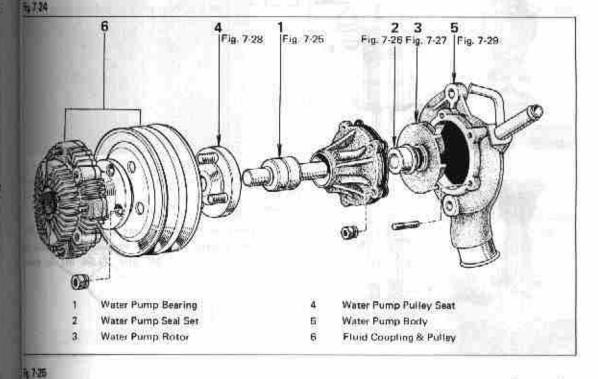
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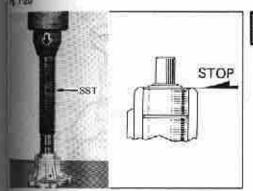
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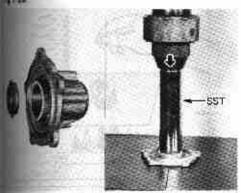
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Heat the pump cover to about 100°C (212°F) and force in the bearing with SST (09236-00100) and press.

- Note -

Press in the bearing until its end surface is flush with cover surface.

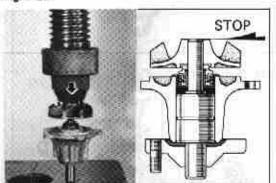
17:20





Apply liquid sealer on the seal set, and press the seal set into the pump cover.

Fig. 7-27



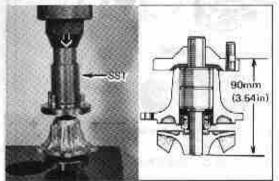
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Using a press, force in rotor.

- Note -

Press in the rotor until it is flush with the shall end.

Fig. 7-28



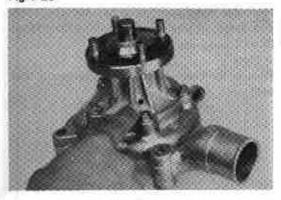
*

Using a press and SST [09238 40010], force at the pulley seat.

- Note -

Press in the pulley seat until the distance from the bearing shaft end surface to the pulley on and surface is 90 mm (3.54 in) as shown

Fig. 7-29





Install so that the pump cover drain hole will be positioned downward.

Fig. 7-

Fig. 7-3

₩ 7-30

he shaft



RADIATOR

INSPECTION & REPAIR

 Inspect the radiator core fins, and repair any fins blocking air passage by the method as shown.

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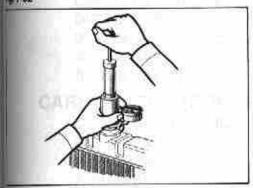
 Inspect the radiator cap regulation pressure and vacuum valves for spring tension and seating. If the pressure gauge drops rapidly and excessively, replace the radiator cap.

Valve opening pressure limit

0.6 kg/cm² (8.5 psi)

Standard 0.9 kg/cm² (12.8 psi)

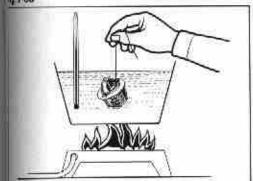
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Inspect the cooling system for leaks.
 Attach the pressure tester to the radiator
 and pump it to the specified pressure.
 If the pressure gauge drops, inspect all
 hoses and fittings for an external leak. If
 no external leak is found, an internal
 intake manifold, block or heater core leak
 should be suspected.

in 7-33





THERMOSTAT

INSPECTION

- Replace if the valve remains open at normal temperature or does not have proper tightness when fully closed.
- Immerse the thermostal in the water, and check the valve opening temperatures by heating the water gradually.

The valve is satisfactory if it starts to open at 88°C (190°C) and opens to more than 8 mm (0.32 in) at 100°C (212°F).

Replace if necessary.