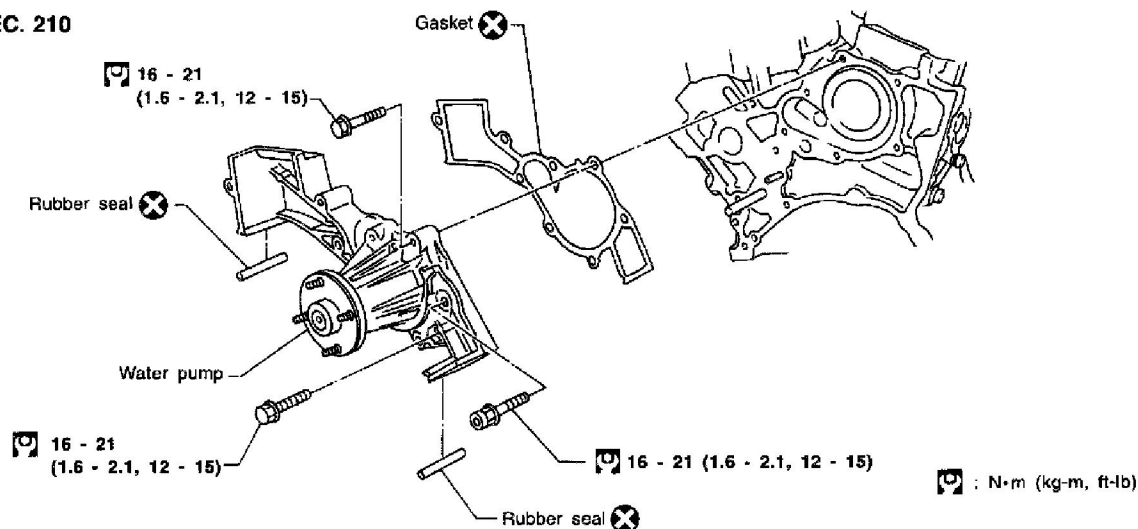


# Water Pump: Service and Repair

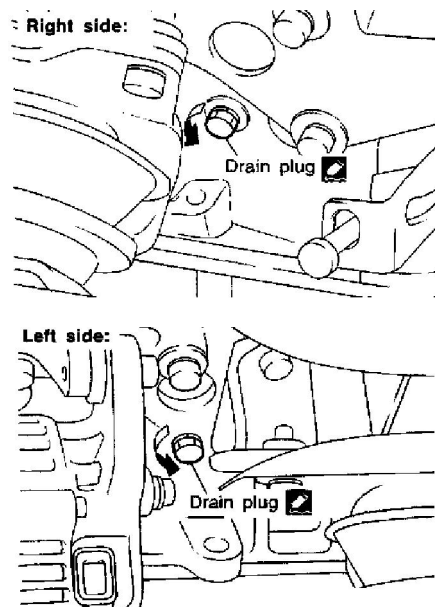
## REMOVAL

### SEC. 210



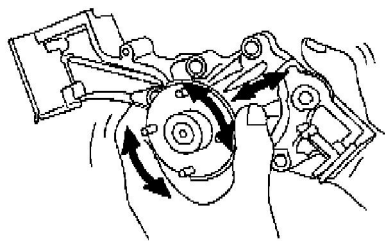
### CAUTION:

- ^ When removing water pump assembly, be careful not to get coolant on timing belt.
- ^ Water pump cannot be disassembled and should be replaced as a unit.
- ^ After installing water pump, connect hose and clamp securely, then check for leaks using radiator cap tester.
- ^ To avoid deforming timing cover, make sure there is adequate clearance between it and the hose clamp.



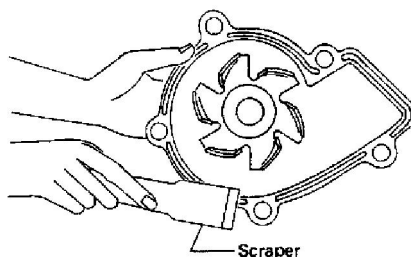
1. Drain coolant from drain plugs on both sides of cylinder block and radiator.
2. Remove radiator hoses (upper and lower) and fan shroud.
3. Remove drive belts.
4. Remove water pump pulley.
5. Remove crankshaft pulley and front (upper and lower) belt cover.
6. Remove water pump.

## INSPECTION

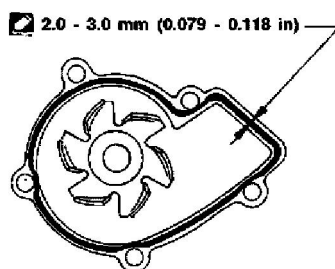


1. Check for badly rusted or corroded body assembly and vanes.
2. Check for rough operation due to excessive end play.

## INSTALLATION



1. Use a scraper to remove liquid gasket from water pump.
  - ^ Also remove traces of liquid gasket from mating surface of cylinder block.



2. Apply a continuous bead of liquid gasket to mating surface of the water pump.
    - ^ Use Genuine RTV Silicone Sealant Part No. 999MP-A7007 or equivalent.
- Fill the radiator with a mix of 50% coolant and 50% soft tap water.