

4. Water Pump

A: REMOVAL

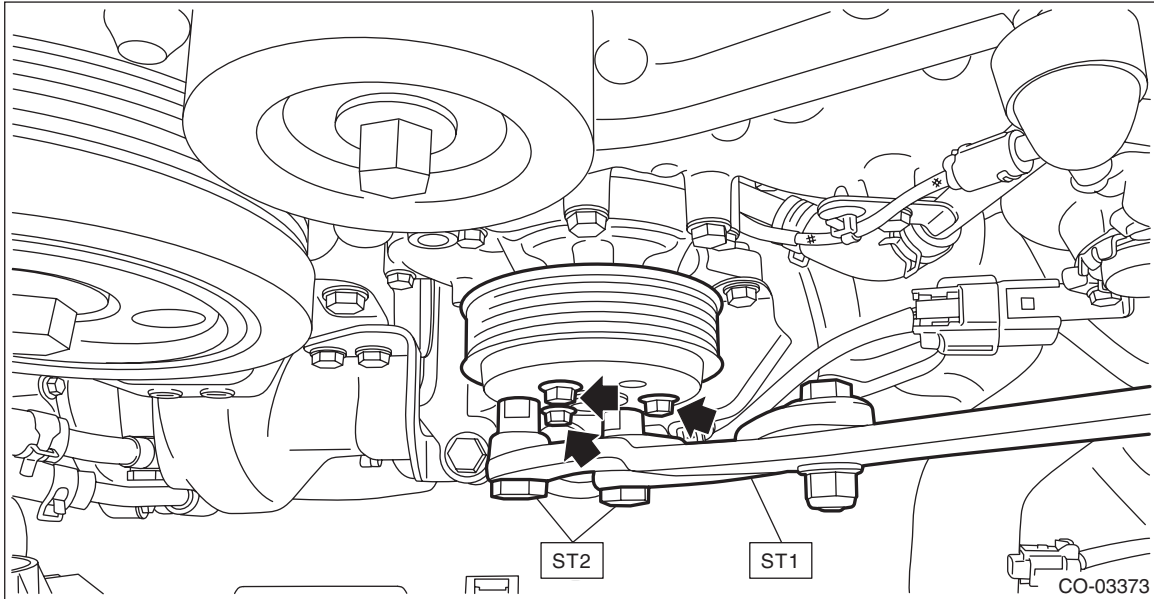
1. WATER PUMP PULLEY

1) Remove the V-belts. <Ref. to ME(w/o STI)-78, REMOVAL, V-belt.>

2) Remove the water pump pulley using the ST.

ST1 18355AA000 PULLEY WRENCH

ST2 18334AA030 PULLEY WRENCH PIN SET



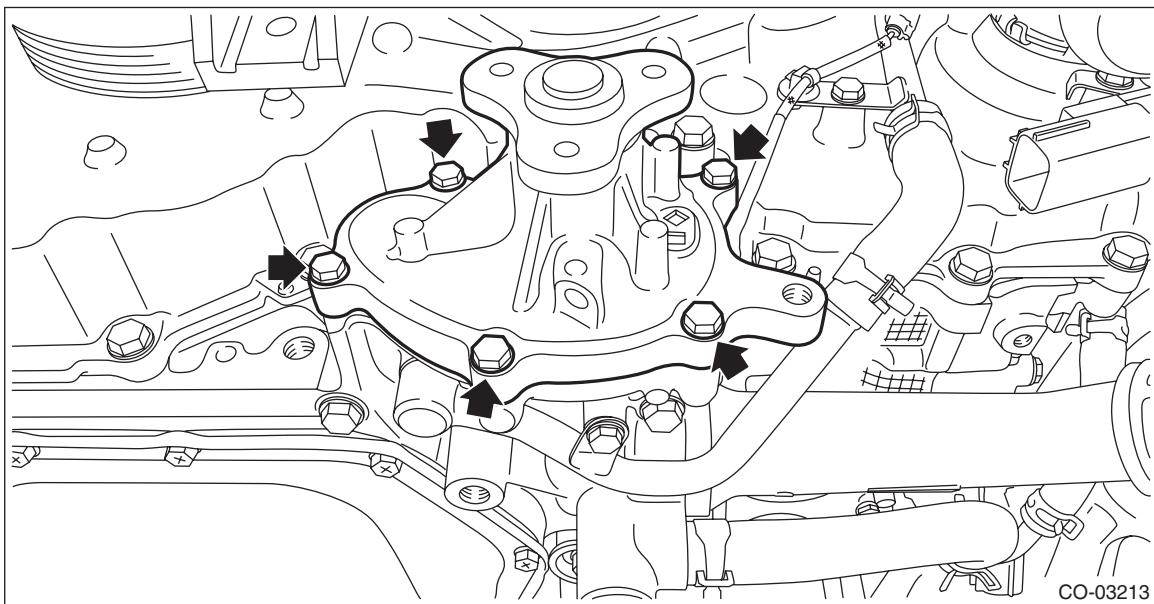
2. WATER PUMP

1) Disconnect the ground terminal from battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>

2) Remove the water pump pulley. <Ref. to CO(w/o STI)-16, WATER PUMP PULLEY, REMOVAL, Water Pump.>

3) Remove the front exhaust pipe. <Ref. to EX(w/o STI)-9, REMOVAL, Front Exhaust Pipe.>

4) Remove the water pump from the oil pan upper.



B: INSTALLATION

1. WATER PUMP PULLEY

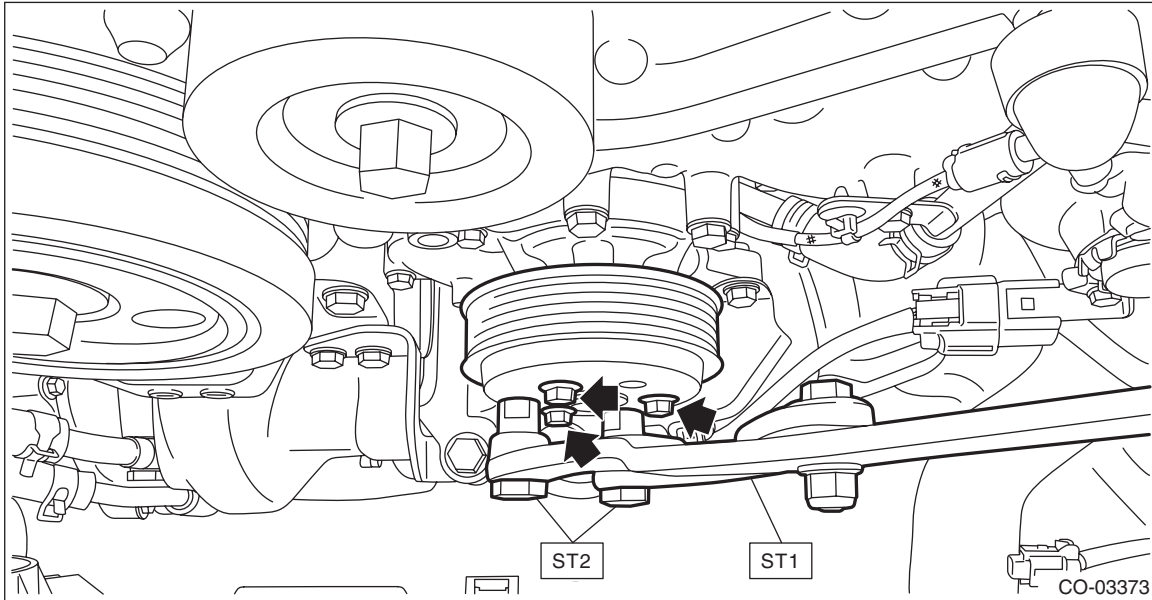
1) Using the ST, install the water pump pulley.

ST1 18355AA000 PULLEY WRENCH

ST2 18334AA030 PULLEY WRENCH PIN SET

Tightening torque:

14 N·m (1.4 kgf-m, 10.3 ft-lb)



2) Install the V-belts. <Ref. to ME(w/o STI)-81, INSTALLATION, V-belt.>

2. WATER PUMP

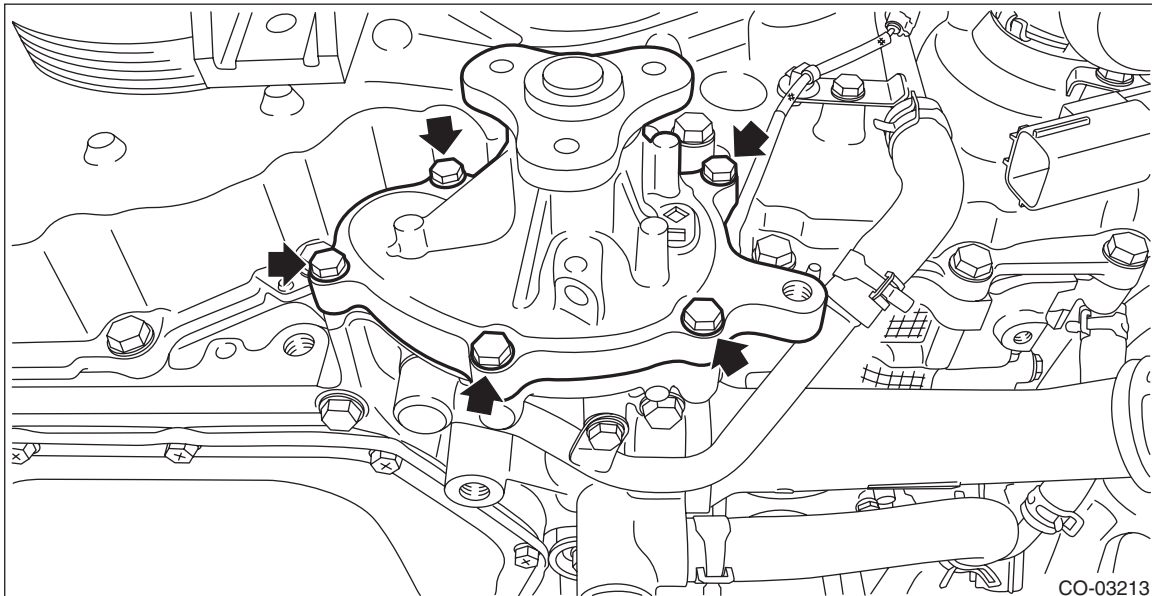
1) Install the water pump to oil pan upper.

NOTE:

Use a new gasket.

Tightening torque:

6.4 N·m (0.7 kgf-m, 4.7 ft-lb)



2) Install the front exhaust pipe. <Ref. to EX(w/o STI)-19, INSTALLATION, Front Exhaust Pipe.>

Water Pump

COOLING

- 3) Install the water pump pulley. <Ref. to CO(w/o STI)-17, WATER PUMP PULLEY, INSTALLATION, Water Pump.>
- 4) Connect the ground terminal to battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 5) Fill engine coolant. <Ref. to CO(w/o STI)-14, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

C: INSPECTION

- 1) Check that the water pump pulley does not have deformation, cracks and any other damage.
- 2) Check the water pump bearing for smooth rotation.
- 3) Make sure the impeller is not abnormally deformed or damaged.