

## 4. Water Pump

### A: REMOVAL

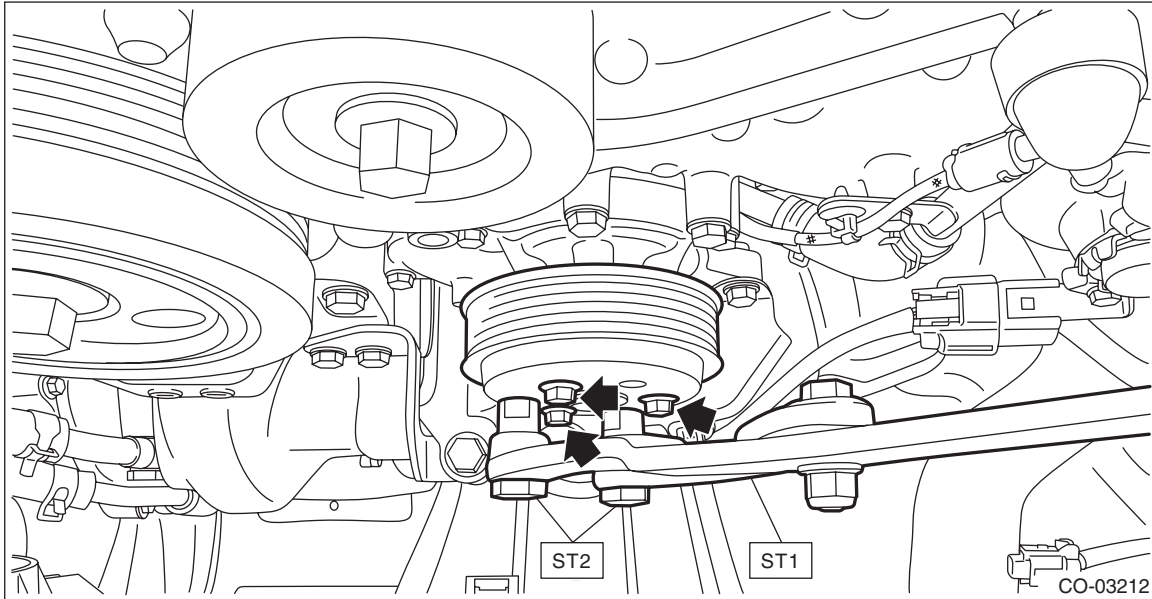
#### 1. WATER PUMP PULLEY

1) Remove the V-belts. <Ref. to ME(H4DOTC)-77, REMOVAL, V-belt.>

2) Remove the water pump pulley using the ST.

ST1 18355AA000 PULLEY WRENCH

ST2 18334AA030 PULLEY WRENCH PIN SET



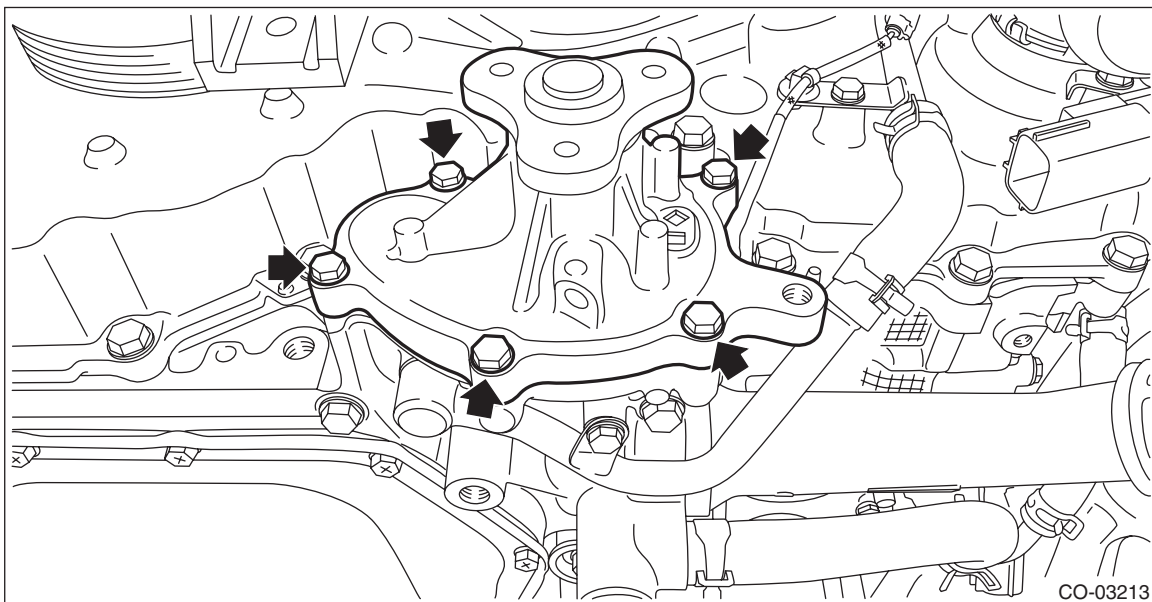
#### 2. WATER PUMP

1) Disconnect the ground cable from battery.

2) Remove the water pump pulley. <Ref. to CO(H4DOTC)-16, WATER PUMP PULLEY, REMOVAL, Water Pump.>

3) Remove the front exhaust pipe. <Ref. to EX(H4DOTC)-7, REMOVAL, Front Exhaust Pipe.>

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



## B: INSTALLATION

### 1. WATER PUMP PULLEY

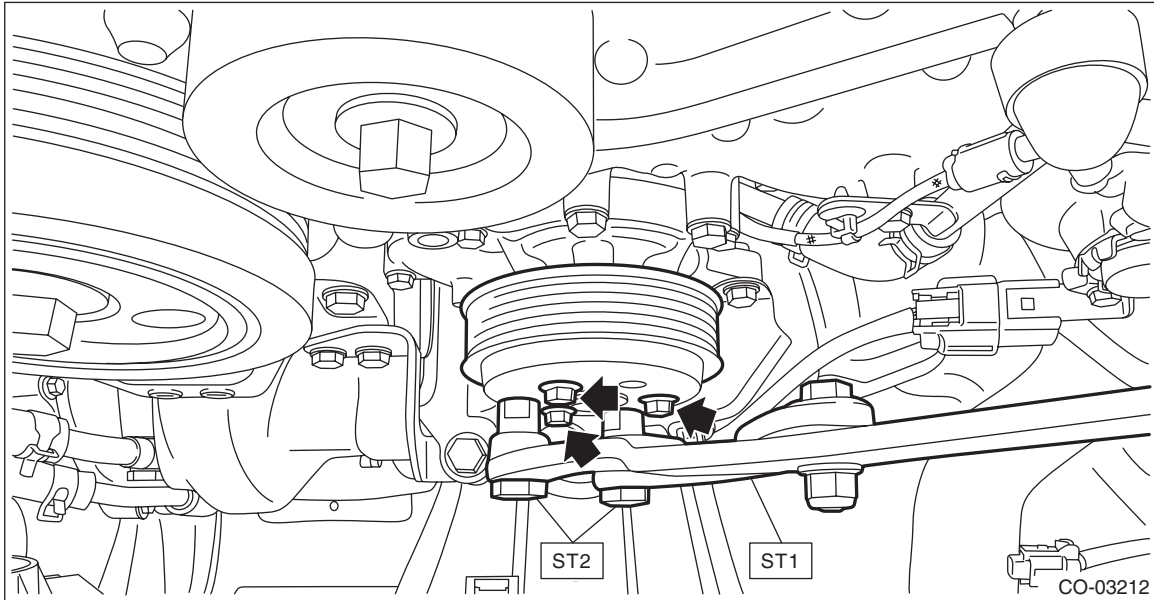
1) Using the ST, install the water pump pulley.

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(H4DOTC)-79, INSTALLATION, V-belt.>

# Water Pump

## COOLING

### 2. WATER PUMP

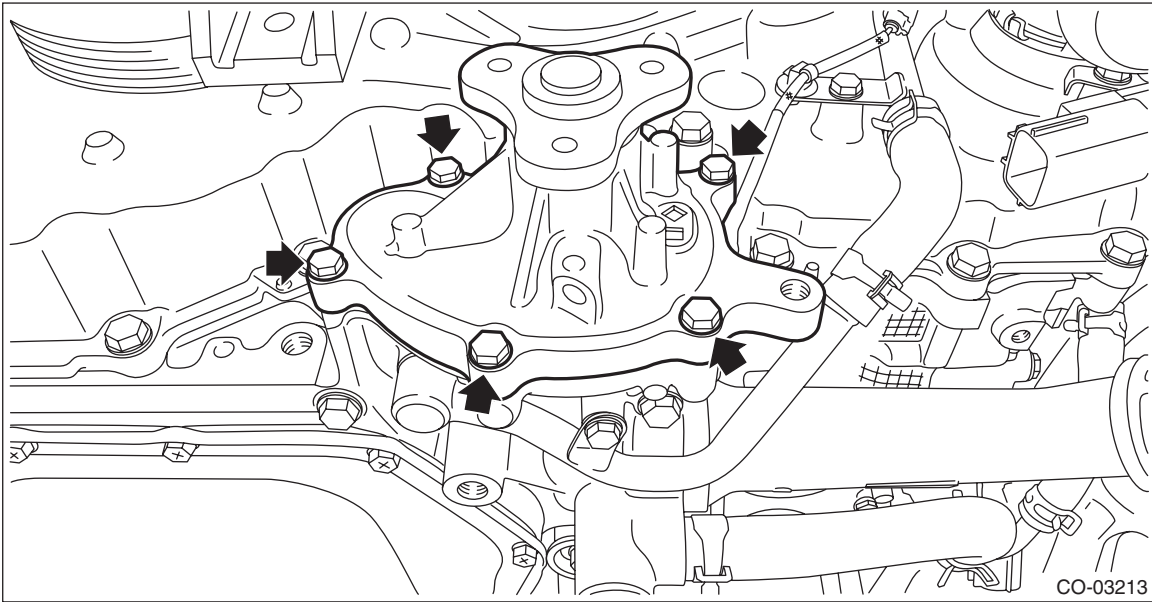
1) Install the water pump to oil pan upper.

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(H4DOTC)-15, INSTALLATION, Front Exhaust Pipe.>

3) Install the water pump pulley. <Ref. to CO(H4DOTC)-17, WATER PUMP PULLEY, INSTALLATION, Water Pump.>

4) Connect the battery ground terminal.

5) Fill engine coolant. <Ref. to CO(H4DOTC)-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.