

16. Cam Sprocket

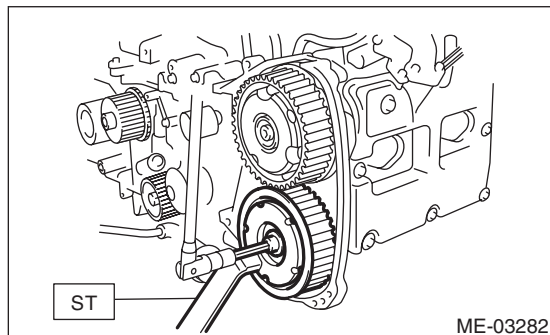
A: REMOVAL

NOTE:

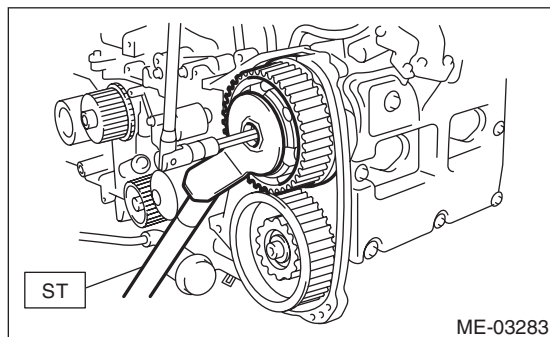
Perform the work with the engine installed to body when replacing a single part.

- 1) Remove the V-belts. <Ref. to ME(H4DOTC)-40, REMOVAL, V-belt.>
- 2) Remove the crank pulley. <Ref. to ME(H4DOTC)-47, REMOVAL, Crank Pulley.>
- 3) Remove the timing belt cover. <Ref. to ME(H4DOTC)-49, REMOVAL, Timing Belt Cover.>
- 4) Remove the timing belt. <Ref. to ME(H4DOTC)-50, REMOVAL, Timing Belt.>
- 5) Remove the actuator cover of the intake cam sprocket.
- 6) Fasten the cam sprocket and remove from the camshaft using ST.

ST 499207400 CAM SPROCKET WRENCH



ST 499977500 CAM SPROCKET WRENCH



B: INSTALLATION

- 1) Fasten the cam sprocket and install to the camshaft using ST.

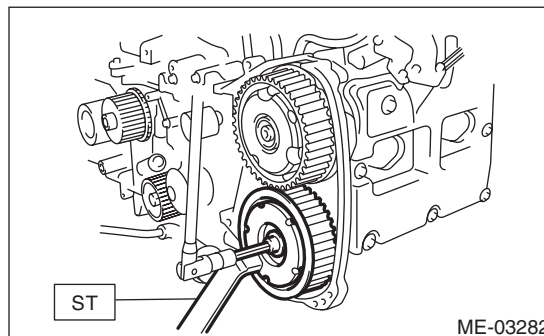
NOTE:

Do not confuse cam sprockets (LH) and (RH) during installation.

ST 499207400 CAM SPROCKET WRENCH

Tightening torque:

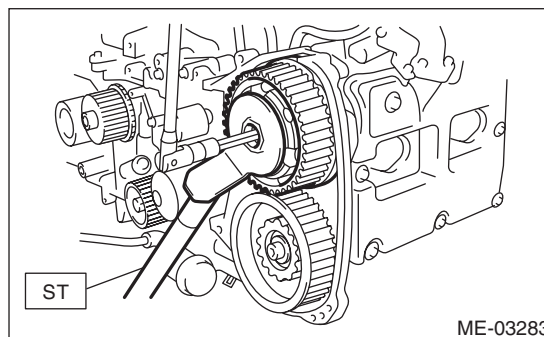
Tighten to 30 N·m (3.1 kgf-m, 22.1 ft-lb) of torque, and then tighten further by 45°.



ST 499977500 CAM SPROCKET WRENCH

Tightening torque:

Tighten to 30 N·m (3.1 kgf-m, 22.1 ft-lb) of torque, and then tighten further by 45°.



- 2) Install the actuator cover of the intake cam sprocket.

NOTE:

Use new O-rings.

Tightening torque:

3.4 N·m (0.3 kgf-m, 2.5 ft-lb)

- 3) Install the timing belt. <Ref. to ME(H4DOTC)-52, INSTALLATION, Timing Belt.>
- 4) Install the timing belt cover. <Ref. to ME(H4DOTC)-49, INSTALLATION, Timing Belt Cover.>
- 5) Install the crank pulley. <Ref. to ME(H4DOTC)-47, INSTALLATION, Crank Pulley.>
- 6) Install the V-belts. <Ref. to ME(H4DOTC)-40, INSTALLATION, V-belt.>

C: INSPECTION

- 1) Check the cam sprocket teeth for abnormal wear and scratches.
- 2) Make sure there is no free play between cam sprocket and key.