

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)-39, REMOVAL, V-belt.>

2) Remove the crank pulley.

<Ref. to ME(H4DOTC)-41, REMOVAL, Crank Pulley.>

3) Remove the timing belt cover.

<Ref. to ME(H4DOTC)-42, REMOVAL, Timing Belt Cover.>

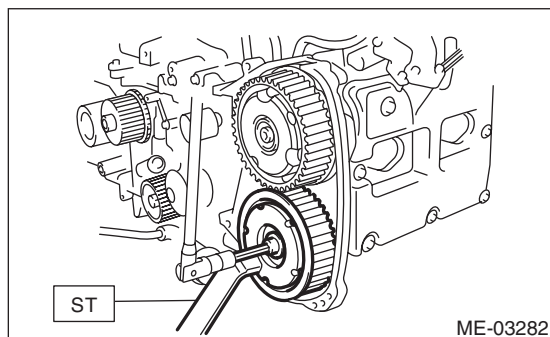
4) Remove the timing belt.

<Ref. to ME(H4DOTC)-43, REMOVAL, Timing Belt.>

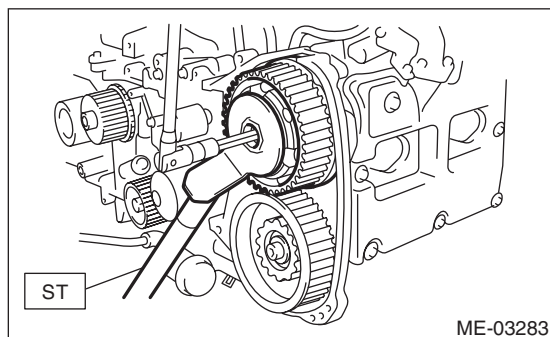
5) Remove the actuator cover of the intake cam sprocket.

6) Fasten the cam sprocket and remove from the cam shaft using ST.

ST 499207400 CAM SPROCKET WRENCH



ST 499977500 CAM SPROCKET WRENCH



B: INSTALLATION

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

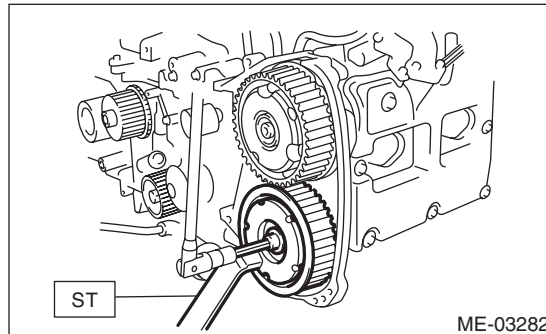
NOTE:

Do not confuse left and right side cam sprockets during installation.

ST 499207400 CAM SPROCKET WRENCH

Tightening torque:

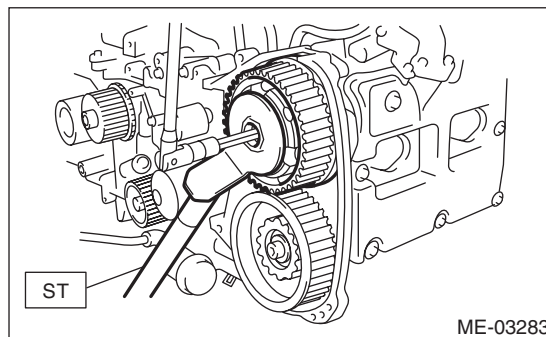
Tighten to 30 N·m (3.1 kgf·m, 22.1 ft-lb) of torque, and then tighten further by 45°.



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) Attach 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)-45, INSTALLATION, Timing Belt.>

4) Install the timing belt cover.

<Ref. to ME(H4DOTC)-42, INSTALLATION, Timing Belt Cover.>

5) Install the crank pulley.

<Ref. to ME(H4DOTC)-41, INSTALLATION, Crank Pulley.>

6) Install the V-belts. <Ref. to ME(H4DOTC)-39, 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.