

## 16.Cam Sprocket

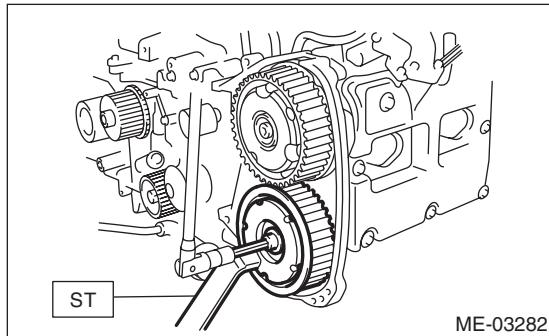
### A: REMOVAL

#### NOTE:

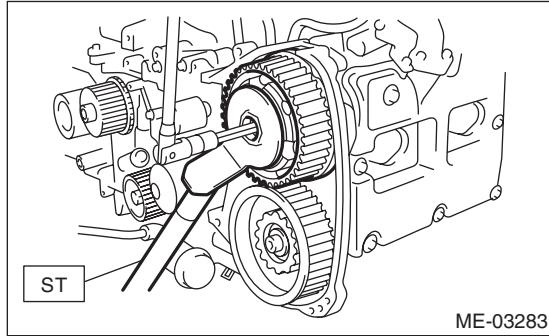
When replacing a single part, perform the work with the engine assembly installed to body.

- 1) Remove the crank pulley. <Ref. to ME(w/o STI)-45, REMOVAL, Crank Pulley.>
- 2) Remove the timing belt cover. <Ref. to ME(w/o STI)-47, REMOVAL, Timing Belt Cover.>
- 3) Remove the timing belt. <Ref. to ME(w/o STI)-48, REMOVAL, Timing Belt.>
- 4) Remove the actuator cover from intake cam sprocket.
- 5) Use the ST to lock the cam sprocket, and remove the cam sprocket bolt.

ST 499207400 CAM SPROCKET WRENCH



ST 499977500 CAM SPROCKET WRENCH



- 6) Remove the cam sprocket.

### B: INSTALLATION

- 1) Install the cam sprocket.

2) Use the ST to lock the cam sprocket, and install the cam sprocket bolt.

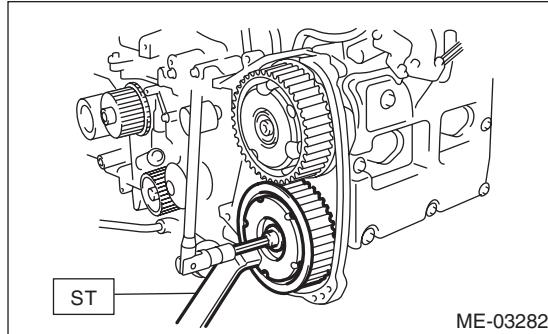
#### NOTE:

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

ST 499207400 CAM SPROCKET WRENCH

#### Tightening torque:

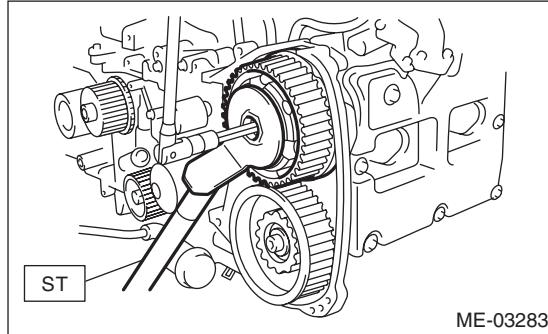
*Tighten to 30 N·m (3.1 kgf-m, 22.1 ft-lb) of torque, and then tighten further by 45°.*



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°.*



- 3) Install the actuator cover to intake cam sprocket.

#### NOTE:

Use new O-rings.

#### Tightening torque:

*3.4 N·m (0.3 kgf-m, 2.5 ft-lb)*

- 4) Install the timing belt. <Ref. to ME(w/o STI)-50, INSTALLATION, Timing Belt.>
- 5) Install the timing belt cover. <Ref. to ME(w/o STI)-47, INSTALLATION, Timing Belt Cover.>
- 6) Install the crank pulley. <Ref. to ME(w/o STI)-45, INSTALLATION, Crank Pulley.>

### 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.