

16. Cam Sprocket

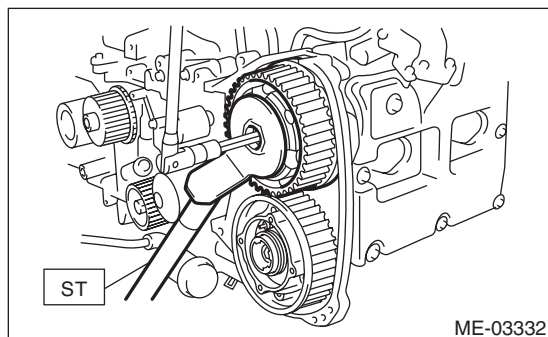
A: REMOVAL

NOTE:

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

- 1) Remove the crank pulley. <Ref. to ME(STI)-48, REMOVAL, Crank Pulley.>
- 2) Remove the timing belt cover. <Ref. to ME(STI)-50, REMOVAL, Timing Belt Cover.>
- 3) Remove the timing belt. <Ref. to ME(STI)-51, REMOVAL, Timing Belt.>
- 4) Remove the actuator covers of the intake and exhaust cam sprockets.
- 5) Use the ST to lock the cam sprocket, and remove the cam sprocket bolt.

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.

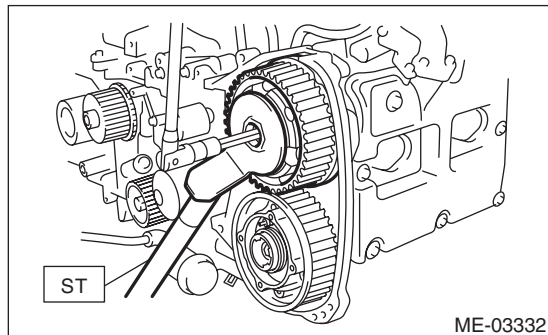
NOTE:

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

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Tightening torque:

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



- 3) Attach the actuator covers of the intake and exhaust cam sprockets.

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(STI)-53, INSTALLATION, Timing Belt.>
- 5) Install the timing belt cover. <Ref. to ME(STI)-50, INSTALLATION, Timing Belt Cover.>
- 6) Install the crank pulley. <Ref. to ME(STI)-48, 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.