

## 16. Cam Sprocket

### A: REMOVAL

**NOTE:**

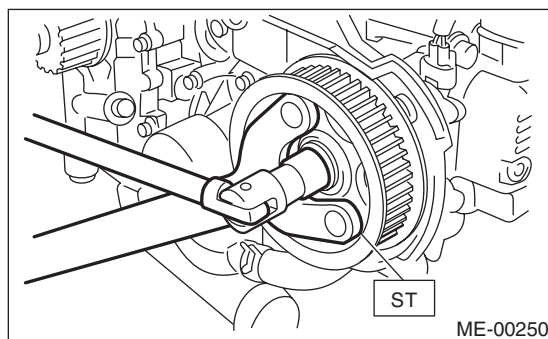
Perform the work with the engine installed to body when replacing a single part.

- 1) Remove the V-belts. <Ref. to ME(H4SO)-39, REMOVAL, V-belt.>
- 2) Remove the crank pulley. <Ref. to ME(H4SO)-46, REMOVAL, Crank Pulley.>
- 3) Remove the timing belt cover. <Ref. to ME(H4SO)-48, REMOVAL, Timing Belt Cover.>
- 4) Remove the timing belt. <Ref. to ME(H4SO)-49, REMOVAL, Timing Belt.>
- 5) Remove the camshaft position sensor. <Ref. to FU(H4SO)-28, REMOVAL, Camshaft Position Sensor.>
- 6) Fasten the cam sprocket and remove from the camshaft using ST.

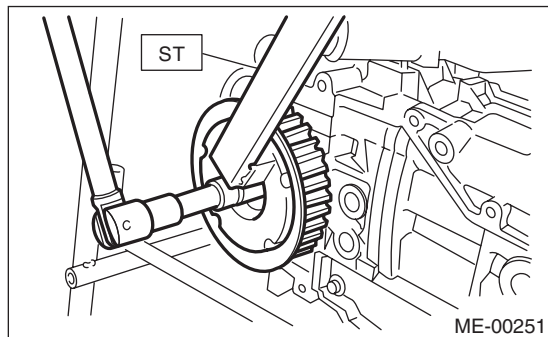
ST 18231AA010 CAM SPROCKET WRENCH

**NOTE:**

CAM SPROCKET WRENCH (499207100) can also be used.



ST 499207400 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. They should be distinguished by the L or R indication.

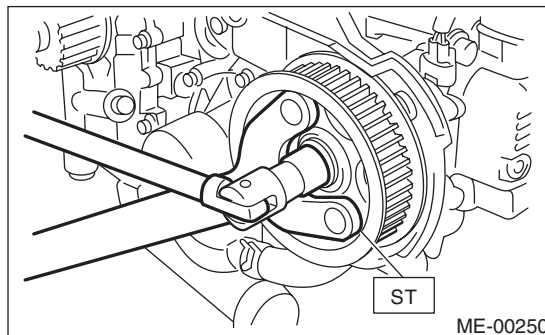
ST 18231AA010 CAM SPROCKET WRENCH

**NOTE:**

CAM SPROCKET WRENCH (499207100) can also be used.

**Tightening torque:**

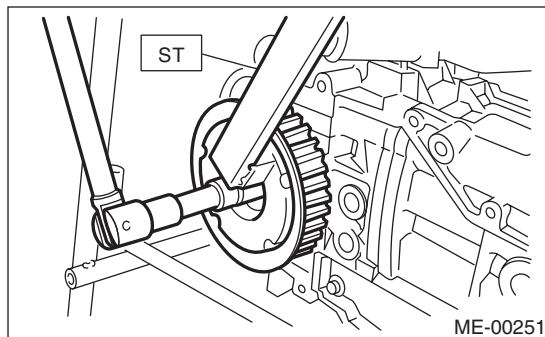
**78 N·m (8.0 kgf-m, 57.5 ft-lb)**



ST 499207400 CAM SPROCKET WRENCH

**Tightening torque:**

**78 N·m (8.0 kgf-m, 57.5 ft-lb)**



- 2) Install the camshaft position sensor. <Ref. to FU(H4SO)-28, INSTALLATION, Camshaft Position Sensor.>
- 3) Install the timing belt. <Ref. to ME(H4SO)-50, INSTALLATION, Timing Belt.>
- 4) Install the timing belt cover. <Ref. to ME(H4SO)-48, INSTALLATION, Timing Belt Cover.>
- 5) Install the crank pulley. <Ref. to ME(H4SO)-46, INSTALLATION, Crank Pulley.>
- 6) Install the V-belts. <Ref. to ME(H4SO)-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.
- 3) Check the cam sprocket protrusion used for sensor for damage and contamination of foreign matter.