

## 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)-41, REMOVAL, V-belt.>

2) Remove the crank pulley. <Ref. to ME(H4SO)-43, REMOVAL, Crank Pulley.>

3) Remove the timing belt cover. <Ref. to ME(H4SO)-44, REMOVAL, Timing Belt Cover.>

4) Remove the timing belt. <Ref. to ME(H4SO)-45, REMOVAL, Timing Belt.>

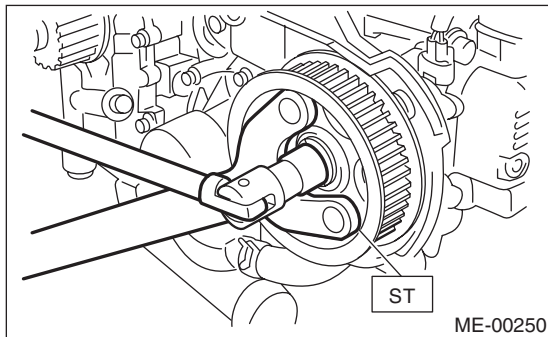
5) Remove the camshaft position sensor. <Ref. to FU(H4SO)-25, REMOVAL, Camshaft Position Sensor.>

6) Fasten the cam sprocket No. 2 and remove from the cam shaft using ST.

ST 18231AA010 CAM SPROCKET WRENCH

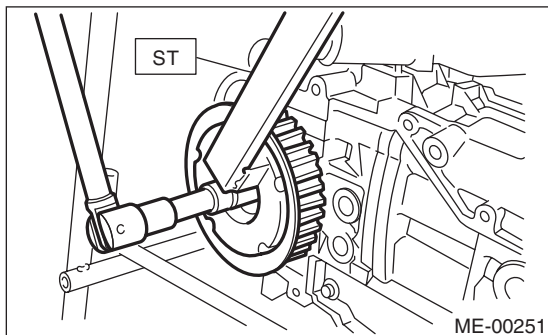
**NOTE:**

CAM SPROCKET WRENCH (499207100) can also be used.



7) Using ST, fasten the cam sprocket No. 1 and remove from the cam shaft.

ST 499207400 CAM SPROCKET WRENCH



### B: INSTALLATION

1) Fasten the cam sprocket No. 1 and install to the cam shaft using ST.

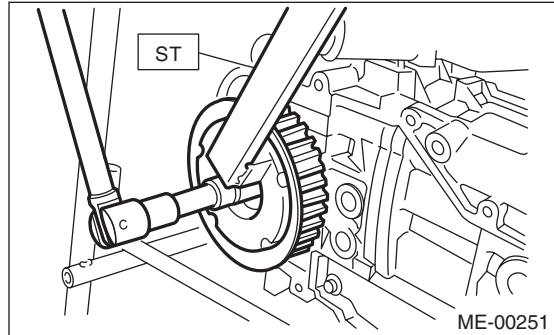
**NOTE:**

Do not confuse left and right side cam sprockets during installation. Identify by L or R markings.

ST 499207400 CAM SPROCKET WRENCH

**Tightening torque:**

**78 N·m (8.0 kgf-m, 57.5 ft-lb)**



2) Using ST, fasten the cam sprocket No. 2 and install to the cam shaft.

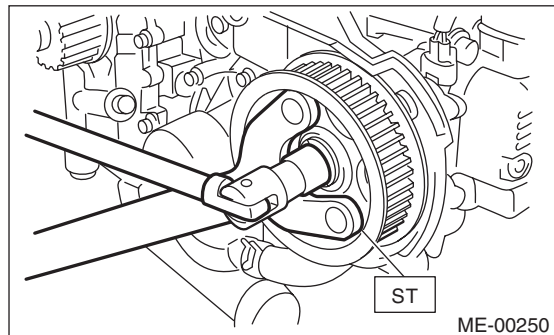
ST 18231AA010 CAM SPROCKET WRENCH

**NOTE:**

CAM SPROCKET WRENCH (499207100) can also be used.

**Tightening torque:**

**78 N·m (8.0 kgf-m, 57.5 ft-lb)**



3) Install the camshaft position sensor. <Ref. to FU(H4SO)-25, INSTALLATION, Camshaft Position Sensor.>

4) Install the timing belt. <Ref. to ME(H4SO)-46, INSTALLATION, Timing Belt.>

5) Install the timing belt cover.

<Ref. to ME(H4SO)-44, INSTALLATION, Timing Belt Cover.>

6) Install the crank pulley. <Ref. to ME(H4SO)-43, INSTALLATION, Crank Pulley.>

7) Install the V-belts. <Ref. to ME(H4SO)-41, 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.