

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)-42, REMOVAL, V-belt.>

2) Remove the crank pulley. <Ref. to ME(H4SO)-50, REMOVAL, Crank Pulley.>

3) Remove the timing belt cover. <Ref. to ME(H4SO)-52, REMOVAL, Timing Belt Cover.>

4) Remove the timing belt. <Ref. to ME(H4SO)-53, REMOVAL, Timing Belt.>

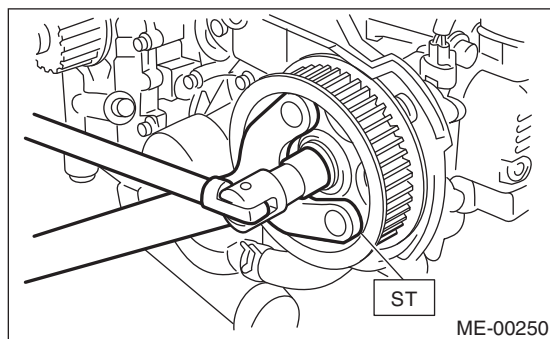
5) Remove the camshaft position sensor. <Ref. to FU(H4SO)-24, REMOVAL, Camshaft Position Sensor.>

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

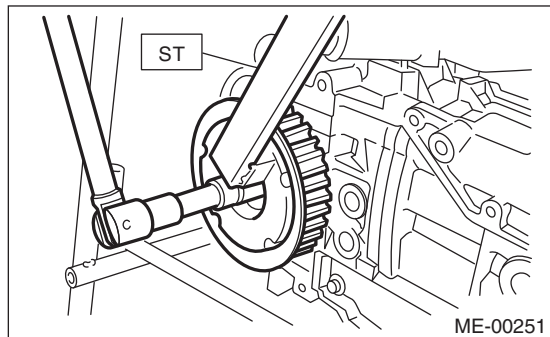
ST 18231AA010 CAM SPROCKET WRENCH

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 cam shaft using ST.

NOTE:

Do not confuse left and right side cam sprockets during installation. They should be distinguished by the L or R indication.

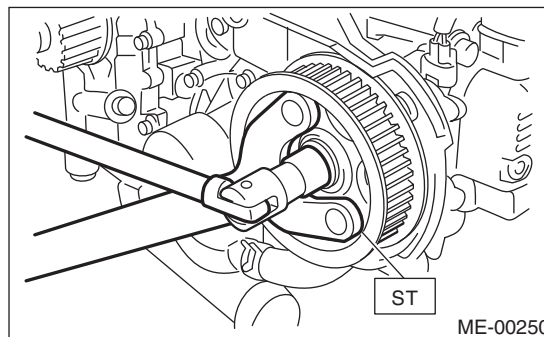
ST 18231AA010 CAM SPROCKET WRENCH

NOTE:

CAM SPROCKET WRENCH (499207100) can also be used.

Tightening torque:

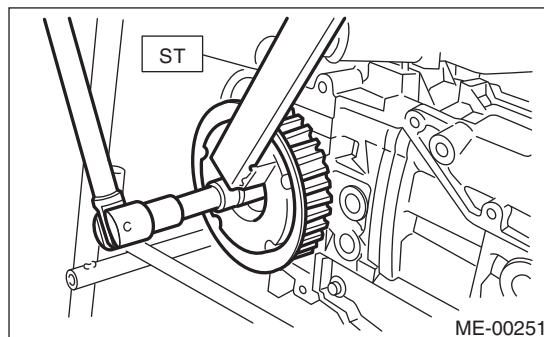
78 N·m (8.0 kgf-m, 57.5 ft-lb)



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)-24, INSTALLATION, Camshaft Position Sensor.>

3) Install the timing belt. <Ref. to ME(H4SO)-55, INSTALLATION, Timing Belt.>

4) Install the timing belt cover.

<Ref. to ME(H4SO)-52, INSTALLATION, Timing Belt Cover.>

5) Install the crank pulley. <Ref. to ME(H4SO)-50, INSTALLATION, Crank Pulley.>

6) Install the V-belts. <Ref. to ME(H4SO)-42, 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.