16.Cam Sprocket

A: REMOVAL

NOTE:
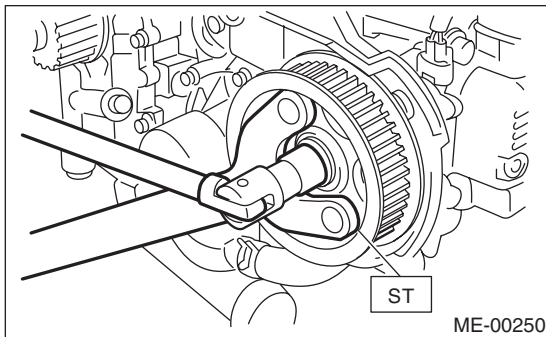Perform the work with the engine installed to body when replacing a single part.
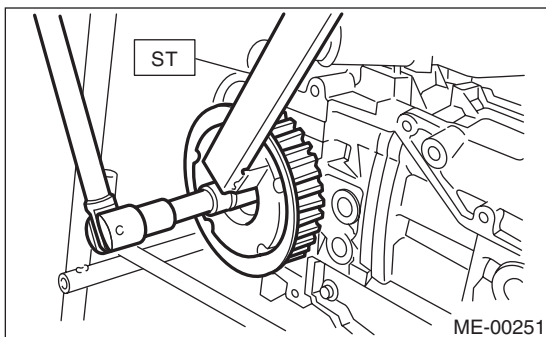1) Remove the V-belts. <Ref. to ME(H4SO)-40, REMOVAL, V-belt.>
2) Remove the crank pulley. <Ref. to ME(H4SO)-42, REMOVAL, Crank Pulley.>
3) Remove the timing belt cover. <Ref. to ME(H4SO)-43, REMOVAL, Timing Belt Cover.>
4) Remove the timing belt. <Ref. to ME(H4SO)-44, REMOVAL, Timing Belt.>
5) Remove the camshaft position sensor. <Ref. to FU(H4SO)-24, REMOVAL, Camshaft Position Sensor.>
6) Remove the cam sprocket No. 2. To lock the camshaft, use the ST.
ST   18231AA010   CAM SPROCKET WRENCH

NOTE:
CAM SPROCKET WRENCH (499207100) can also be used.

ME-00250

7) Remove the cam sprocket No. 1. To lock the camshaft, use the ST.
ST   499207400   CAM SPROCKET WRENCH
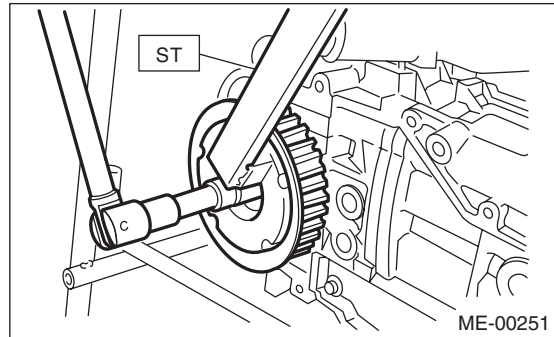

ME-00251

B: INSTALLATION

1) Install the cam sprocket No. 1. To lock the camshaft, use the ST.
ST   499207400   CAM SPROCKET WRENCH

Tightening torque:
  78 N·m (8.0 kgf-m, 57.9 ft-lb)

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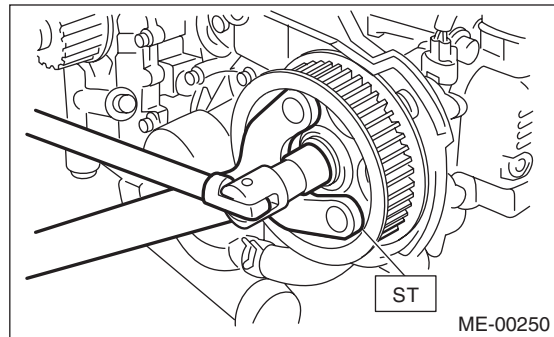

ME-00251

2) Install the cam sprocket No. 2. To lock the camshaft, use the ST.
ST   18231AA010   CAM SPROCKET WRENCH

NOTE:
CAM SPROCKET WRENCH (499207100) can also be used.

Tightening torque:
  78 N·m (8.0 kgf-m, 57.9 ft-lb)

ME-00250

3) Install the camshaft position sensor. <Ref. to FU(H4SO)-24, INSTALLATION, Camshaft Position Sensor.>
4) Install the timing belt. <Ref. to ME(H4SO)-45, INSTALLATION, Timing Belt.>
5) Install the timing belt cover.
<Ref. to ME(H4SO)-43, INSTALLATION, Timing Belt Cover.>
6) Install the crank pulley. <Ref. to ME(H4SO)-42, INSTALLATION, Crank Pulley.>
7) Install the V-belts. <Ref. to ME(H4SO)-40, 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.