

## 16. Camshaft Sprocket

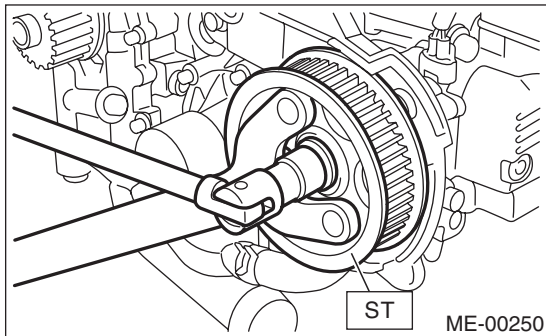
### A: REMOVAL

#### 1. REMOVAL

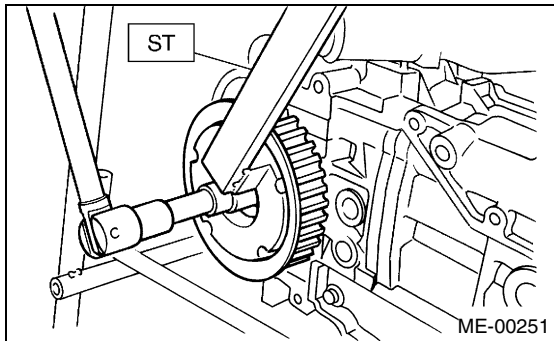
- 1) Remove the V-belt. <Ref. to ME(H4SO)-42, REMOVAL, V-belt.>
  - 2) Remove the crankshaft pulley. <Ref. to ME(H4SO)-44, REMOVAL, Crankshaft Pulley.>
  - 3) Remove the timing belt cover. <Ref. to ME(H4SO)-45, REMOVAL, Timing Belt Cover.>
  - 4) Remove the timing belt. <Ref. to ME(H4SO)-46, REMOVAL, Timing Belt.>
  - 5) Remove the camshaft position sensor. <Ref. to FU(H4SO)-29, REMOVAL, Camshaft Position Sensor.>
  - 6) Remove camshaft sprocket No. 2. To lock the camshaft, use ST.
- ST 18231AA010 CAMSHAFT SPROCKET WRENCH

#### NOTE:

Also the CAMSHAFT SPROCKET WRENCH (499207100) can be used.



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



### B: INSTALLATION

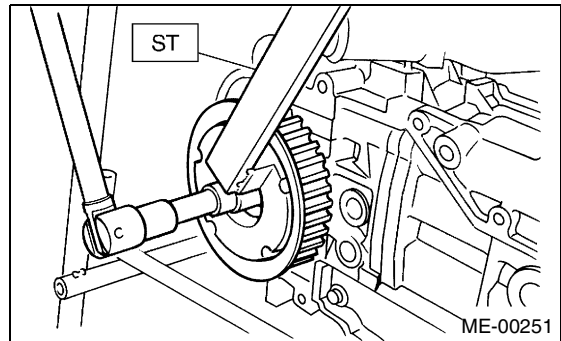
- 1) Install camshaft sprocket No. 1. To lock the camshaft, use ST.
- ST 499207400 CAMSHAFT SPROCKET WRENCH

#### Tightening torque:

**78 N·m (8.0 kgf-m, 57.9 ft-lb)**

#### NOTE:

Do not confuse the right and left side camshaft sprockets during installation. The camshaft sprocket No. 2 is identified by a projection used to monitor the camshaft position sensor.



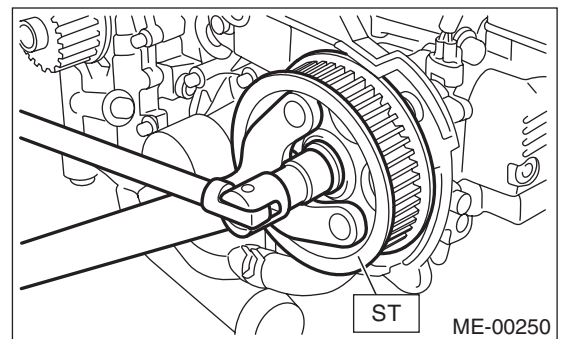
- 2) Install camshaft sprocket No. 2. To lock the camshaft, use ST.
- ST 18231AA010 CAMSHAFT SPROCKET WRENCH

#### NOTE:

Also the CAMSHAFT SPROCKET WRENCH (499207100) can be used.

#### Tightening torque:

**78 N·m (8.0 kgf-m, 57.9 ft-lb)**



- 3) Install the camshaft position sensor. <Ref. to FU(H4SO)-29, INSTALLATION, Camshaft Position Sensor.>
- 4) Install the timing belt. <Ref. to ME(H4SO)-47, INSTALLATION, Timing Belt.>
- 5) Install the timing belt cover. <Ref. to ME(H4SO)-45, INSTALLATION, Timing Belt Cover.>
- 6) Install the crankshaft pulley. <Ref. to ME(H4SO)-44, INSTALLATION, Crankshaft Pulley.>

7) Install the V-belt.<Ref. to ME(H4SO)-42, INSTALLATION, V-belt.>

### **C: INSPECTION**

- 1) Check the sprocket teeth for abnormal wear and scratches.
- 2) Make sure there is no free play between sprocket and key.
- 3) Check the camshaft sprocket notch for sensor for damage and contamination of foreign matter.