

## 16.Cam Sprocket

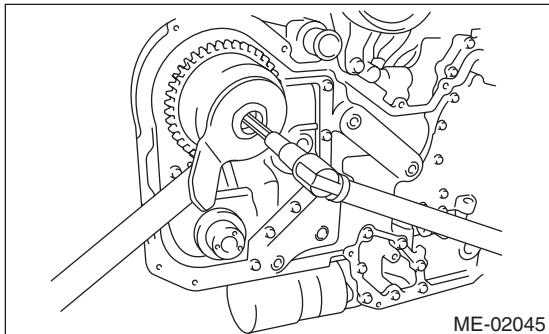
### A: REMOVAL

#### NOTE:

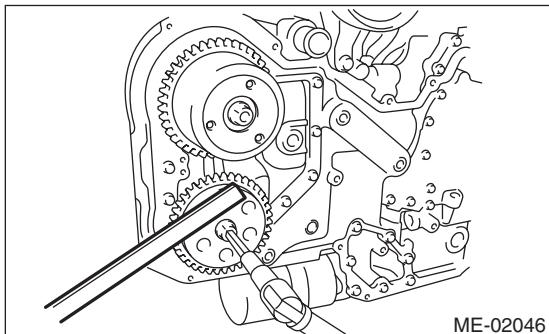
Perform the work with the engine installed to body when replacing a single part.

- 1) Remove the V-belts. <Ref. to ME(H6DO)-38, REMOVAL, V-belt.>
- 2) Remove the crank pulley. <Ref. to ME(H6DO)-39, REMOVAL, Crank Pulley.>
- 3) Remove the front chain cover. <Ref. to ME(H6DO)-40, REMOVAL, Front Chain Cover.>
- 4) Remove the timing chain assembly. <Ref. to ME(H6DO)-42, REMOVAL, Timing Chain Assembly.>
- 5) Remove the cam sprocket. To lock the cam-shaft, use the ST.

ST 499977500 CAM SPROCKET WRENCH



ST 18231AA020 CAM SPROCKET WRENCH



### B: INSTALLATION

- 1) Install the cam sprocket. To lock the camshaft, use the ST.

#### *Tightening torque:*

**29.5 N·m (3.0 kgf·m, 21.8 ft-lb)**

- 2) Further tighten the bolt.

#### *Tightening angle:*

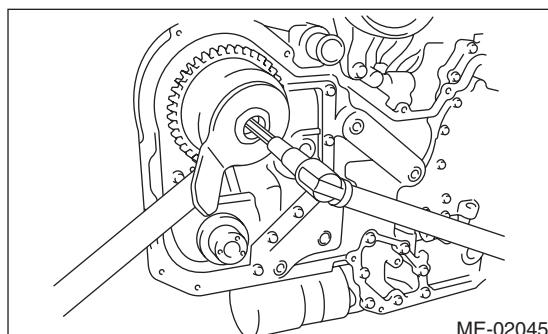
##### *Intake side*

**45°±5°**

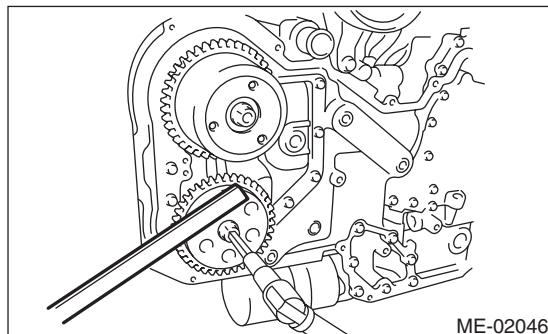
##### *Exhaust side*

**25°±5°**

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- 3) Install the timing chain assembly. <Ref. to ME(H6DO)-43, INSTALLATION, Timing Chain Assembly.>
- 4) Install the front chain cover. <Ref. to ME(H6DO)-40, INSTALLATION, Front Chain Cover.>
- 5) Install the crank pulley. <Ref. to ME(H6DO)-39, INSTALLATION, Crank Pulley.>
- 6) Install the V-belts. <Ref. to ME(H6DO)-38, 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.