

16.Cam Sprocket

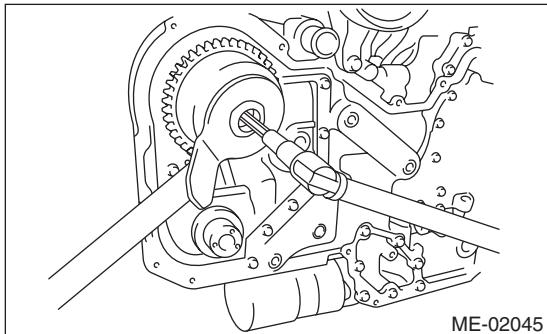
A: REMOVAL

NOTE:

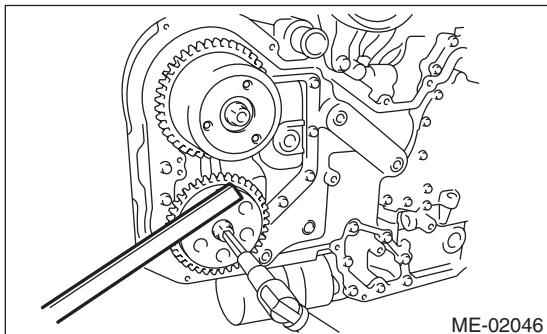
Perform the work with the engine installed to body when replacing a single part.

- 1) Remove the V-belts. <Ref. to ME(H6DO)-40, REMOVAL, V-belt.>
- 2) Remove the crank pulley. <Ref. to ME(H6DO)-41, REMOVAL, Crank Pulley.>
- 3) Remove the front chain cover. <Ref. to ME(H6DO)-42, REMOVAL, Front Chain Cover.>
- 4) Remove the timing chain assembly. <Ref. to ME(H6DO)-44, 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:

$29.5 \text{ N}\cdot\text{m} (3.0 \text{ kgf}\cdot\text{m}, 21.8 \text{ ft-lb})$

- 2) Further tighten the bolt.

Tightening angle:

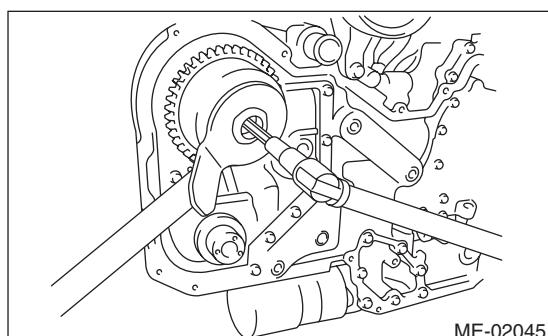
Intake side:

$45^\circ \pm 5^\circ$

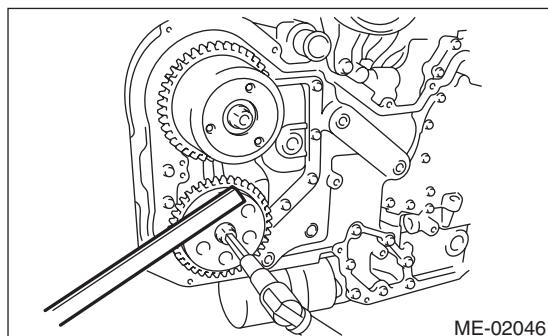
Exhaust side:

$25^\circ \pm 5^\circ$

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- 3) Install the timing chain assembly. <Ref. to ME(H6DO)-45, INSTALLATION, Timing Chain Assembly.>
- 4) Install the front chain cover. <Ref. to ME(H6DO)-42, INSTALLATION, Front Chain Cover.>
- 5) Install the crank pulley. <Ref. to ME(H6DO)-41, INSTALLATION, Crank Pulley.>
- 6) Install the V-belts. <Ref. to ME(H6DO)-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.