

Cam Sprocket

MECHANICAL

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(H4DOTC)-40, REMOVAL, V-belt.>

2) Remove the crank pulley.

<Ref. to ME(H4DOTC)-42, REMOVAL, Crank Pulley.>

3) Remove the timing belt cover.

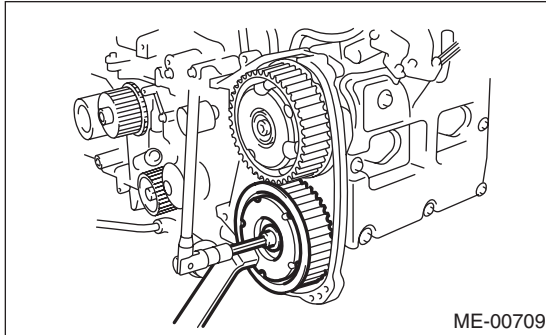
<Ref. to ME(H4DOTC)-43, REMOVAL, Timing Belt Cover.>

4) Remove the timing belt.

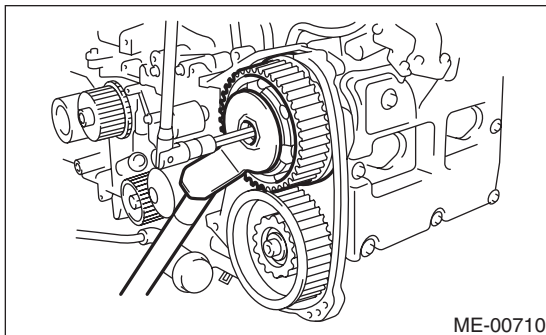
<Ref. to ME(H4DOTC)-44, REMOVAL, Timing Belt.>

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

ST 499207400 CAM SPROCKET WRENCH



ST 499977500 CAM SPROCKET WRENCH



B: INSTALLATION

1) Fasten the cam sprocket and install to the cam shaft using ST.

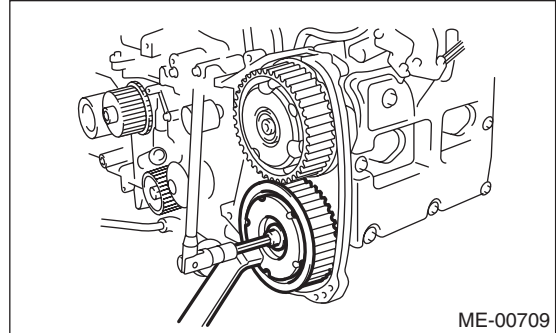
NOTE:

Do not confuse left and right side cam sprockets during installation.

ST 499207400 CAM SPROCKET WRENCH

Tightening torque:

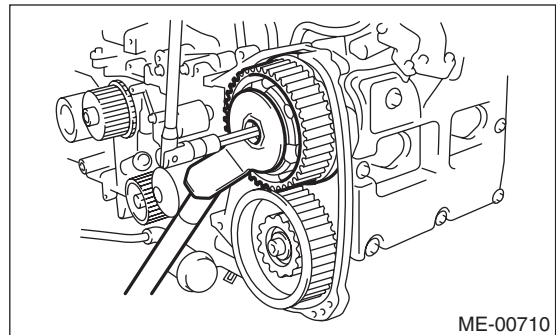
Tighten to 30 N-m (3.0 kgf-m, 21.8 ft-lb), and then tighten further by 45°.



ST 499977500 CAM SPROCKET WRENCH

Tightening torque:

Tighten to 30 N-m (3.0 kgf-m, 21.8 ft-lb), and then tighten further by 45°.



2) Install the timing belt. <Ref. to ME(H4DOTC)-46, INSTALLATION, Timing Belt.>

3) Install the timing belt cover.

<Ref. to ME(H4DOTC)-43, INSTALLATION, Timing Belt Cover.>

4) Install the crank pulley.

<Ref. to ME(H4DOTC)-42, INSTALLATION, Crank Pulley.>

5) Install the V-belts. <Ref. to ME(H4DOTC)-40, INSTALLATION, V-belt.>

C: INSPECTION

1) Check the sprocket teeth for uneven wear or scratches.

2) Make sure there is no free play between sprocket and key.