

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)-37, REMOVAL, V-belt.>

2) Remove the crank pulley. <Ref. to ME(H4DOTC)-40, REMOVAL, Crank Pulley.>

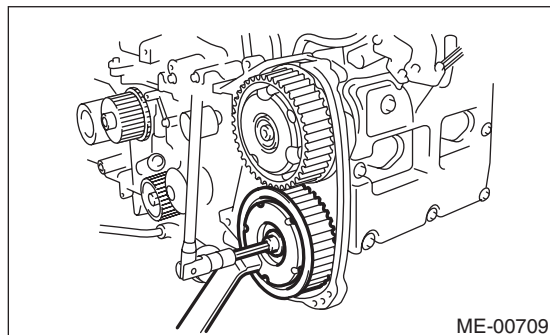
3) Remove the timing belt cover. <Ref. to ME(H4DOTC)-42, REMOVAL, Timing Belt Cover.>

4) Remove the timing belt. <Ref. to ME(H4DOTC)-43, REMOVAL, Timing Belt.>

5) Remove the actuator cover of the intake cam sprocket.

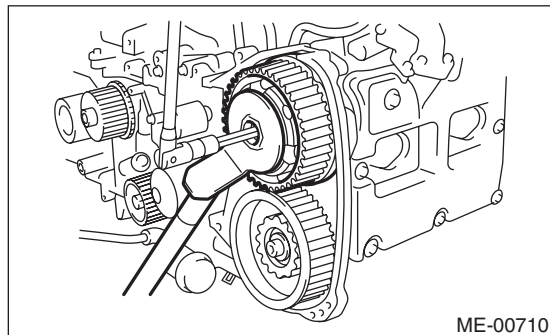
6) Fasten the cam sprocket and remove from the cam shaft using ST.

ST 499207400 CAM SPROCKET WRENCH



ME-00709

ST 499977500 CAM SPROCKET WRENCH



ME-00710

B: INSTALLATION

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

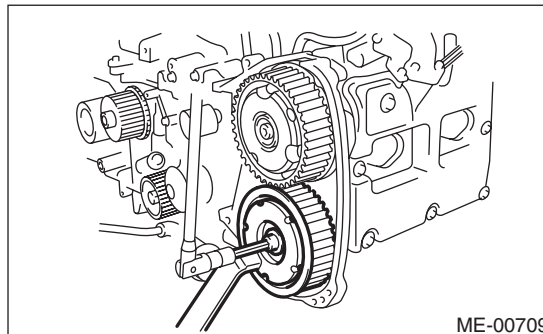
NOTE:

Do not confuse the cam sprockets (LH) and (RH) during installation.

ST 499207400 CAM SPROCKET WRENCH

Tightening torque:

Tighten to 30 N·m (3.1 kgf-m, 22.1 ft-lb) of torque, and then tighten further by 45°.

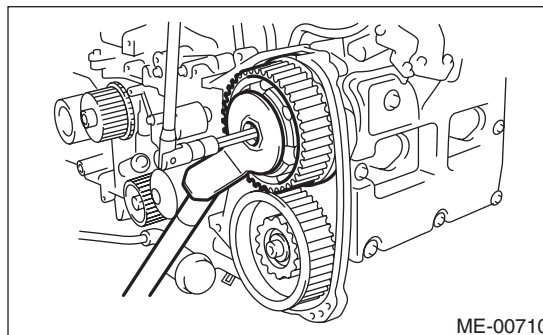


ME-00709

ST 499977500 CAM SPROCKET WRENCH

Tightening torque:

Tighten to 30 N·m (3.1 kgf-m, 22.1 ft-lb) of torque, and then tighten further by 45°.



ME-00710

2) Attach the actuator cover of the intake cam sprocket.

NOTE:

Use new O-rings.

Tightening torque:

3.4 N·m (0.3 kgf-m, 2.5 ft-lb)

3) Install the timing belt. <Ref. to ME(H4DOTC)-45, INSTALLATION, Timing Belt.>

4) Install the timing belt cover. <Ref. to ME(H4DOTC)-42, INSTALLATION, Timing Belt Cover.>

5) Install the crank pulley. <Ref. to ME(H4DOTC)-40, INSTALLATION, Crank Pulley.>

6) Install the V-belts. <Ref. to ME(H4DOTC)-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.