

Cam Sprocket

MECHANICAL

16. Cam Sprocket

A: REMOVAL

1) Remove the V-belts. <Ref. to ME(H4DOTC)-36, REMOVAL, V-belt.>

2) Remove the crank pulley.

<Ref. to ME(H4DOTC)-39, REMOVAL, Crank Pulley.>

3) Remove the timing belt cover.

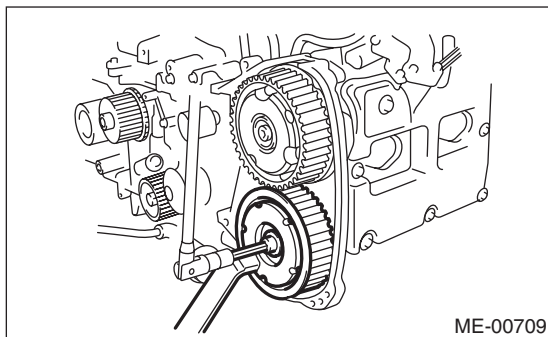
<Ref. to ME(H4DOTC)-41, REMOVAL, Timing Belt Cover.>

4) Remove the timing belt.

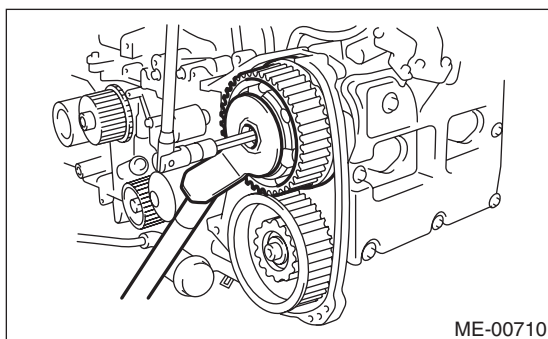
<Ref. to ME(H4DOTC)-42, REMOVAL, Timing Belt.>

5) Remove the cam sprocket. To lock the camshaft, use the ST.

ST 499207400 CAM SPROCKET WRENCH



ST 499977500 CAM SPROCKET WRENCH



B: INSTALLATION

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

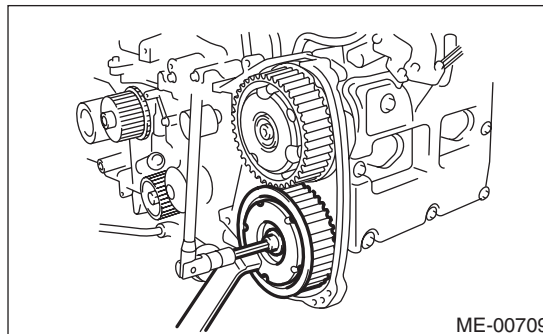
NOTE:

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

ST 499207400 CAM SPROCKET WRENCH

Tightening torque:

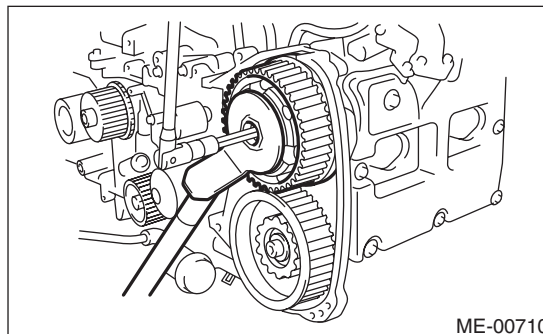
Tighten to 30 N·m (3.1 kgf·m, 22.1 ft·lb) of torque, and then tighten further by 45°.



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°.



2) Install the timing belt. <Ref. to ME(H4DOTC)-44, INSTALLATION, Timing Belt.>

3) Install the timing belt cover. <Ref. to ME(H4DOTC)-41, INSTALLATION, Timing Belt Cover.>

4) Install the crank pulley. <Ref. to ME(H4DOTC)-39, INSTALLATION, Crank Pulley.>

5) Install the V-belts. <Ref. to ME(H4DOTC)-37, 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.

3) Check the cam sprocket protrusion used for sensor for damage and contamination of foreign matter.