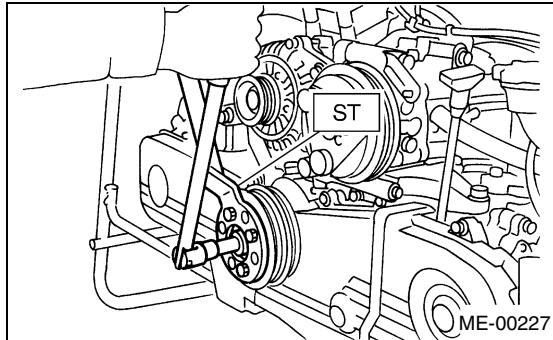


13.Crankshaft Pulley

A: REMOVAL

- 1) Remove the V-belt.<Ref. to ME(H4SO)-42, REMOVAL, V-belt.>
- 2) Remove the crankshaft pulley bolt. To lock the crankshaft, use ST.

ST 499977100 CRANKSHAFT PULLEY WRENCH



- 3) Remove the crankshaft pulley.

B: INSTALLATION

- 1) Install the crankshaft pulley.
- 2) Install the pulley bolt.

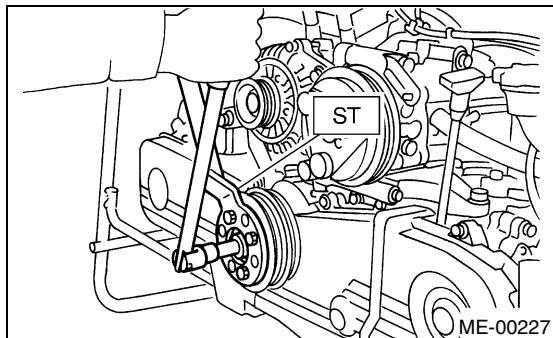
To lock the crankshaft, use ST.

ST 499977100 CRANKSHAFT PULLEY WRENCH

- (1) Clean the crankshaft pulley threads using an air gun.
- (2) Apply engine oil to the crankshaft pulley bolt seat and threads.
- (3) Tighten the bolts temporarily to a torque of 44 N·m (4.5 kgf-m, 33 ft-lb).
- (4) Tighten the crankshaft pulley bolts.

Tightening torque:

177 N·m (18.0 kgf-m, 130.2 ft-lb)



- 3) Confirm that the tightening angle of crankshaft pulley bolt is 65° or more. If the tightening angle of crankshaft pulley bolt is less than 65°, conduct the following procedures.

- (1) Replace the crankshaft pulley bolts.

Crankshaft pulley bolt:

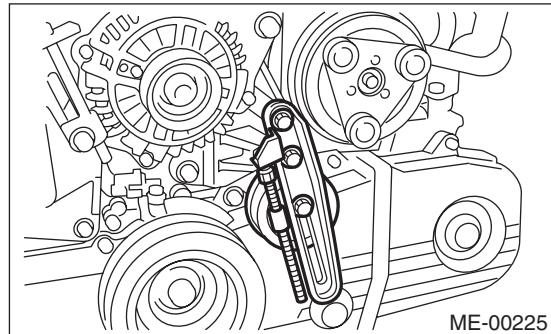
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- (2) Clean the crankshaft threads using an air gun.
- (3) Apply engine oil to the crankshaft pulley bolt seat and threads.
- (4) Tighten the bolts temporarily to a torque of 44 N·m (4.5 kgf-m, 33 ft-lb).
- (5) Tighten the crankshaft pulley bolts for a further angle of 65° — 75°.

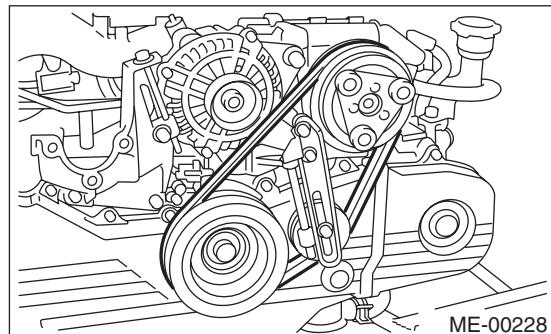
NOTE:

Conduct the tightening procedures by confirming the turning angle of crankshaft pulley bolt referring to the gauge indicated on timing belt cover.

- 4) Install the A/C belt tensioner.



- 5) Install the A/C belt.



C: INSPECTION

- 1) Make sure the V-belt is not worn or otherwise damaged.
- 2) Check the tension of the belt.<Ref. to ME(H4SO)-43, INSPECTION, V-belt.>