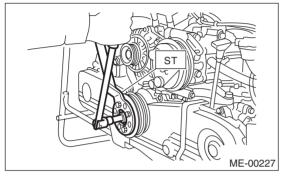
13.Crank Pulley A: REMOVAL

NOTE:

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

- 1) Remove the V-belts. <Ref. to ME(H4SO)-37, REMOVAL, V-belt.>
- 2) Remove the crank pulley bolt. To lock the crank-shaft, use ST.
- ST 499977100 CRANK PULLEY WRENCH



3) Remove the crank pulley.

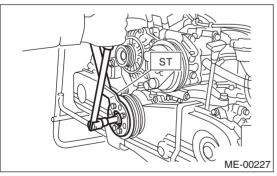
B: INSTALLATION

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

To lock the crankshaft, use ST.

- ST 499977100 CRANK PULLEY WRENCH
 - (1) Clean the crankshaft thread using compressed air.
 - (2) Apply engine oil to the crank pulley bolt seat and thread.
 - (3) Tighten the bolts temporarily with tightening torque of 44 N·m (4.5 kgf-m, 33 ft-lb).
 - (4) Tighten the crank pulley bolts.

Tightening torque: 180 N·m (18.4 kgf-m, 132.8 ft-lb)



3) Check that the tightening angle of the crank pulley bolt is 65° or more. Perform the following procedures when less than 65°.

CAUTION:

If the tightening angle of crank pulley bolt is less than 65°, the bolt is damaged. In this case, the bolt must be replaced.

(1) Replace the crank pulley bolts and clean them.

Crank pulley bolt:

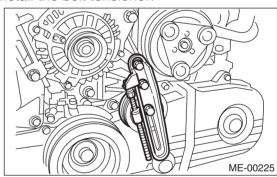
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- (2) Clean the crankshaft thread using compressed air.
- (3) Apply engine oil to the crank pulley bolt seat and thread.
- (4) Tighten the bolts temporarily with tightening torque of 44 N·m (4.5 kgf-m, 33 ft-lb).
- (5) Tighten the crank pulley bolts 65° to 75°.

NOTE:

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

4) Install the belt tensioner.



5) Install the V-belts. <Ref. to ME(H4SO)-37, IN-STALLATION, V-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)-38, INSPECTION, V-belt.>