

# CRANKSHAFT PULLEY

Mechanical

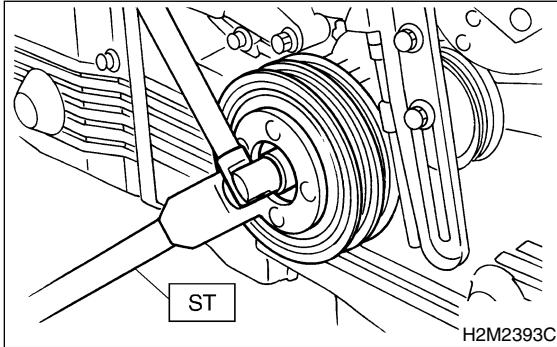
## 13. Crankshaft Pulley S173098

### A: REMOVAL S173098A18

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

ST 499977100

CRANKSHAFT PULLEY WRENCH



- 3) Remove crankshaft pulley.

### B: INSTALLATION S173098A11

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

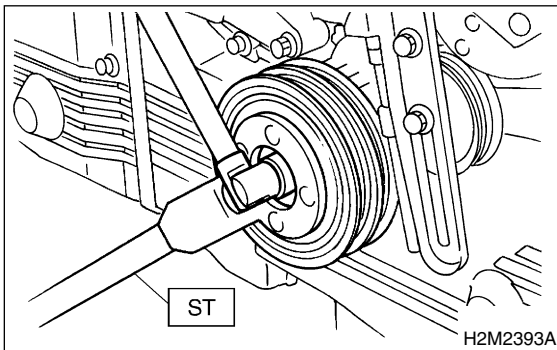
To lock crankshaft, use ST.

ST 499977100 CRANKSHAFT PULLEY WRENCH

- (1) Clean the crankshaft pulley thread using an air gun.
- (2) Apply engine oil to the crankshaft 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 crankshaft pulley bolts.

#### Tightening torque:

**177 N·m (18.0 kgf-m, 130.2 ft-lb)**



- 3) Confirm that the tightening angle of the crankshaft pulley bolt is 65 degrees or more. If not, conduct the following procedures (1) through (4).

- (1) Replace the crankshaft pulley bolts and clean them.

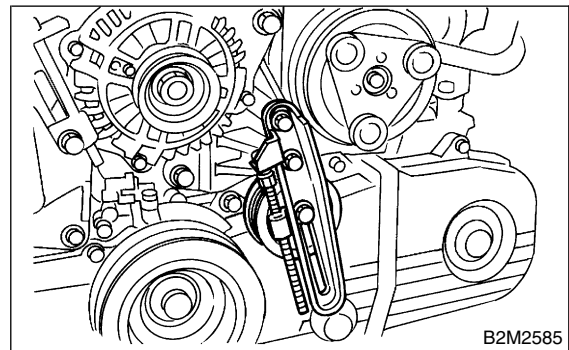
### Crankshaft pulley bolt: 12369AA011

- (2) Clean the crankshaft thread using an air gun.
- (3) Tighten the bolts temporarily with tightening torque of 44 N·m (4.5 kgf-m, 33 ft-lb).
- (4) Tighten the crankshaft pulley bolts keeping them in an angle between 65 degrees and 75 degrees.

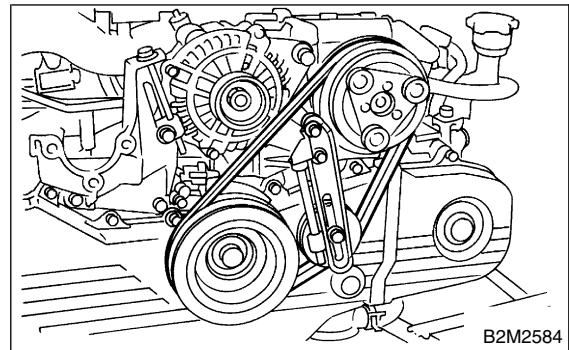
#### CAUTION:

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

- 4) Install A/C belt tensioner.



- 5) Install A/C belt.



### C: INSPECTION S173098A10

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