

## 13.Crank Pulley

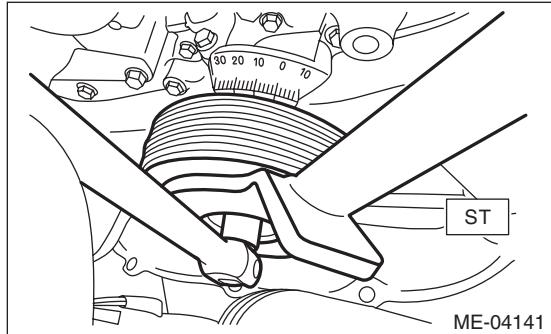
### A: REMOVAL

NOTE:

When replacing a single part, perform the work with the engine assembly installed to body.

- 1) Remove the V-belts. <Ref. to ME(STI)-41, REMOVAL, V-belt.>
- 2) Use the ST to lock the crank pulley, and remove the crank pulley bolt.

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- 3) Remove the crank pulley.

### B: INSTALLATION

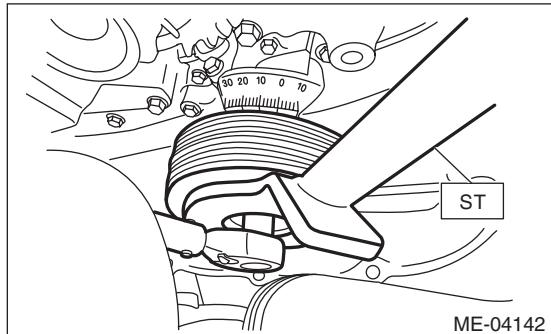
- 1) Clean the crankshaft thread using compressed air.
- 2) Install the crank pulley.
- 3) Apply engine oil to the crank pulley bolt seat and thread.
- 4) Tighten the crank pulley bolts.

(1) Use the ST to lock the crank pulley, and temporarily tighten the crank pulley bolt.

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**Tightening torque:**

47 N·m (4.8 kgf·m, 34.7 ft-lb)

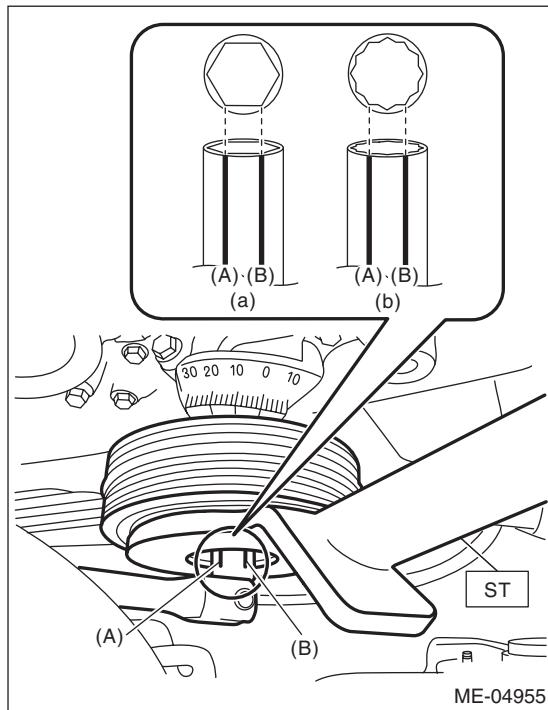


(2) Draw reference lines (A) and (B) using a marker to set the socket to the crank pulley bolt as shown in the figure.

NOTE:

Set the socket onto the crank pulley bolt so that reference lines (A) and (B) is visible.

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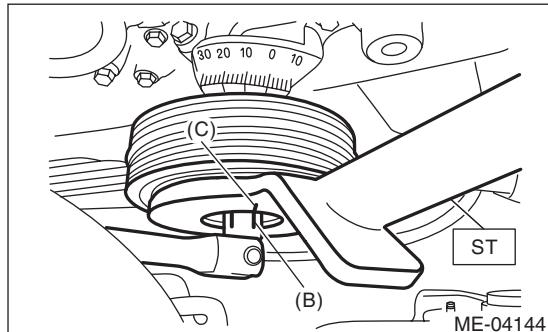


(a) When using 6-point socket

(b) When using 12-point socket

(3) Draw end line (C) on ST using a marker at the same position as reference line (B) drawn on the socket in step (2).

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(4) Use the ST to lock the crank pulley, and tighten the crank pulley bolt to the angle where reference line (A) and end line (C) are aligned.

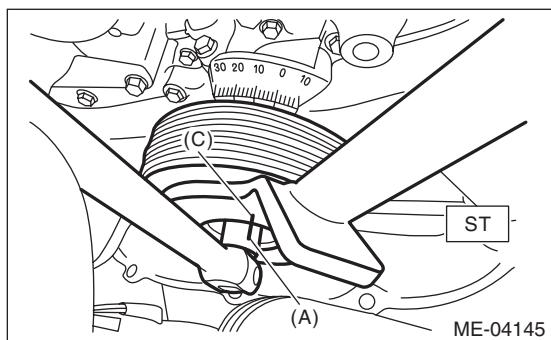
NOTE:

It should be approx.  $60^\circ$  when reference line (A) and end line (C) are aligned.

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**Tightening angle:**

$60^\circ \pm 5^\circ$



5) Install the V-belts. <Ref. to ME(STI)-41, INSTALLATION, V-belt.>

## C: INSPECTION

- 1) Check that the crank pulley has no deformation, cracks or other damages.