

V-belt

MECHANICAL

12.V-belt

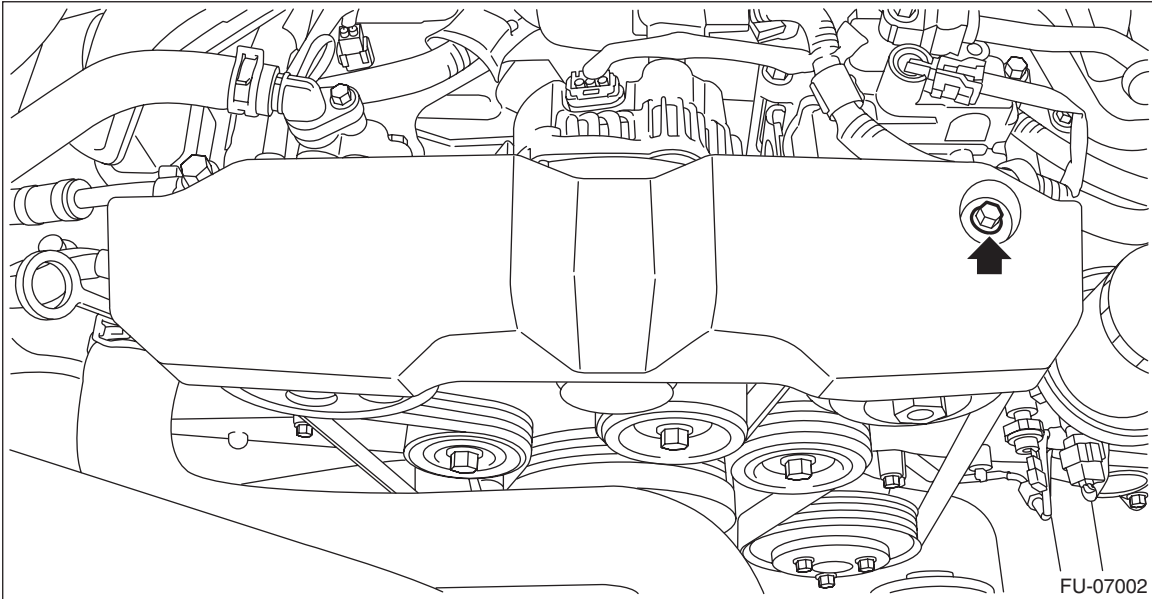
A: REMOVAL

NOTE:

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

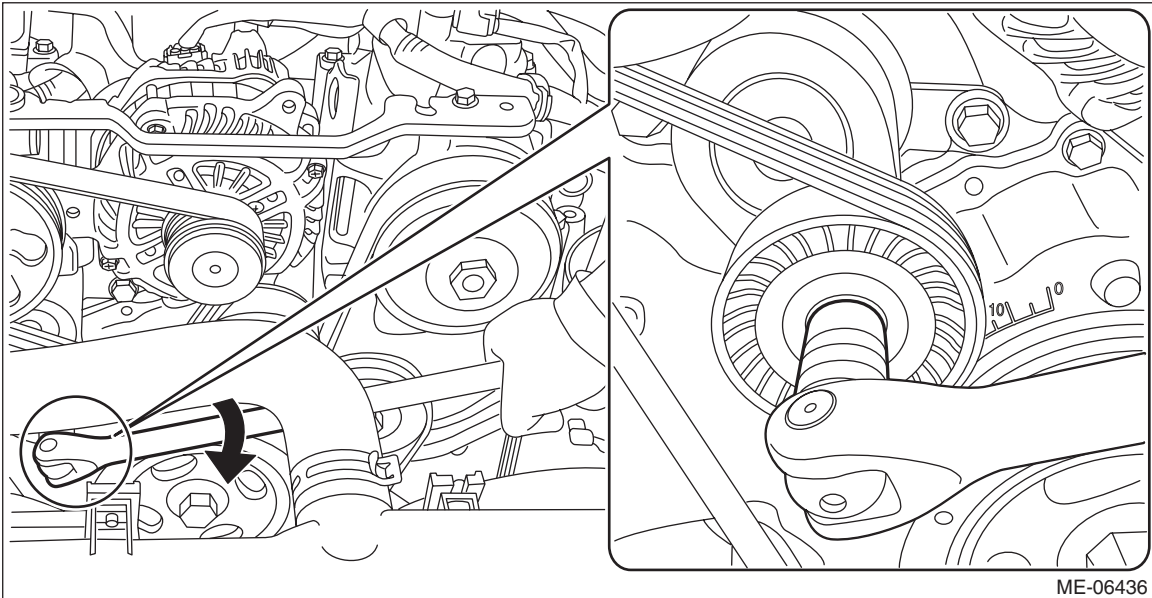
1. V-BELT

1) Remove the V-belt covers.



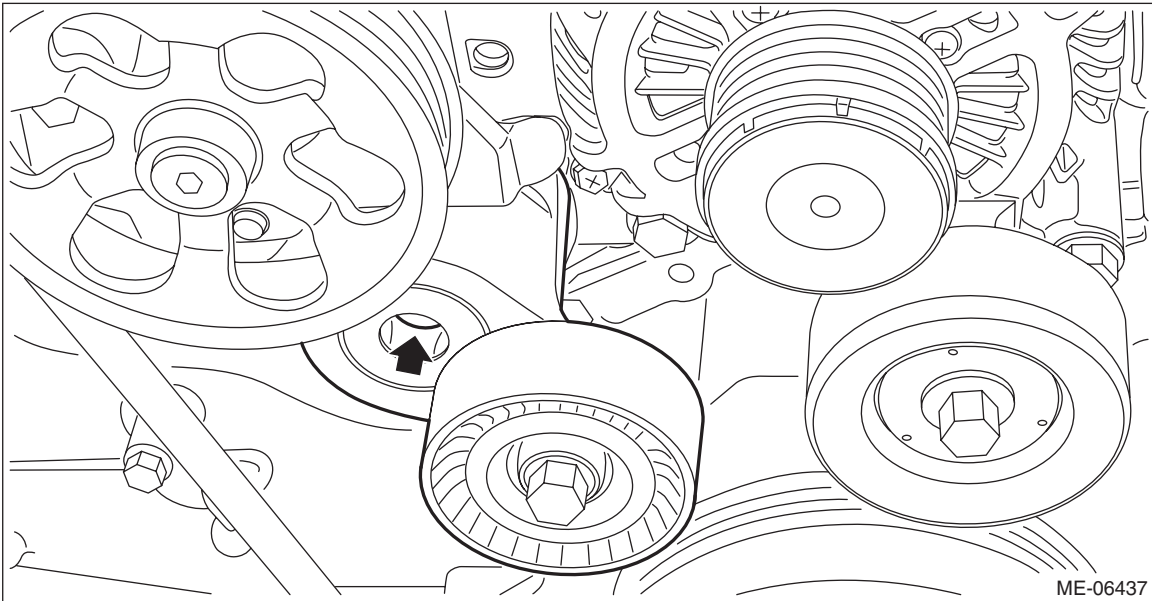
2) Remove the air intake duct. <Ref. to IN(H4DO)-14, REMOVAL, Air Intake Duct.>

3) Attach the tool to the V-belt tensioner assembly, and rotate the tool clockwise to loosen and remove the V-belt.

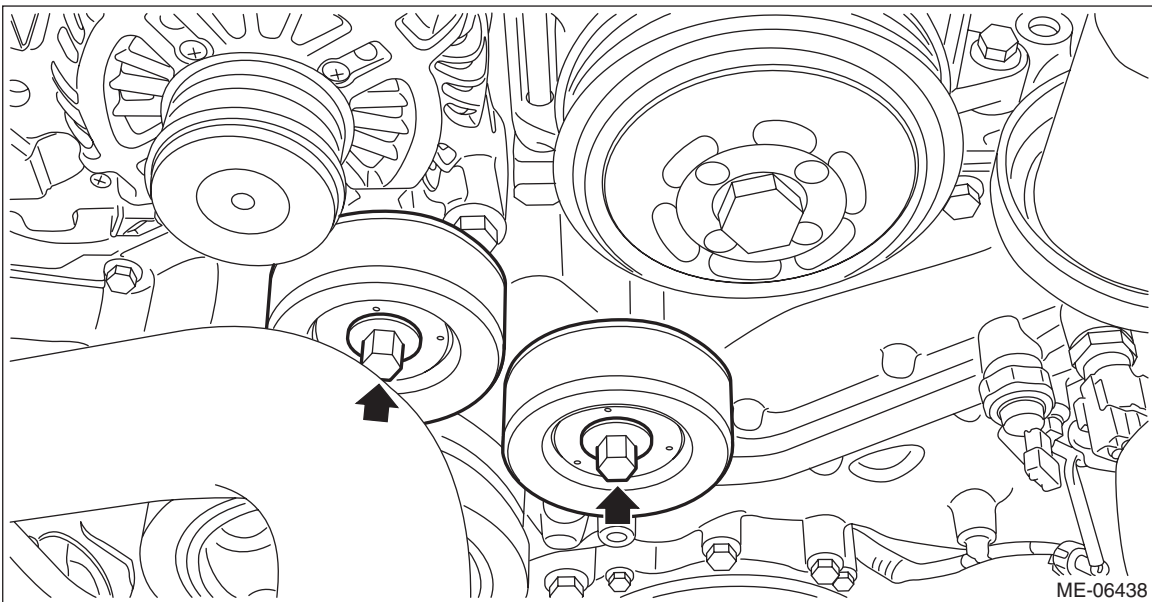


2. V-BELT TENSIONER ASSEMBLY AND IDLER PULLEY

- 1) Remove the V-belts. <Ref. to ME(H4DO)-80, V-BELT, REMOVAL, V-belt.>
- 2) Remove the bolt securing the V-belt tensioner assembly to the power steering pump bracket, and remove the V-belt tensioner assembly.



- 3) Remove the bolts which secure the idler pulley to the chain cover, and remove the idler pulley.



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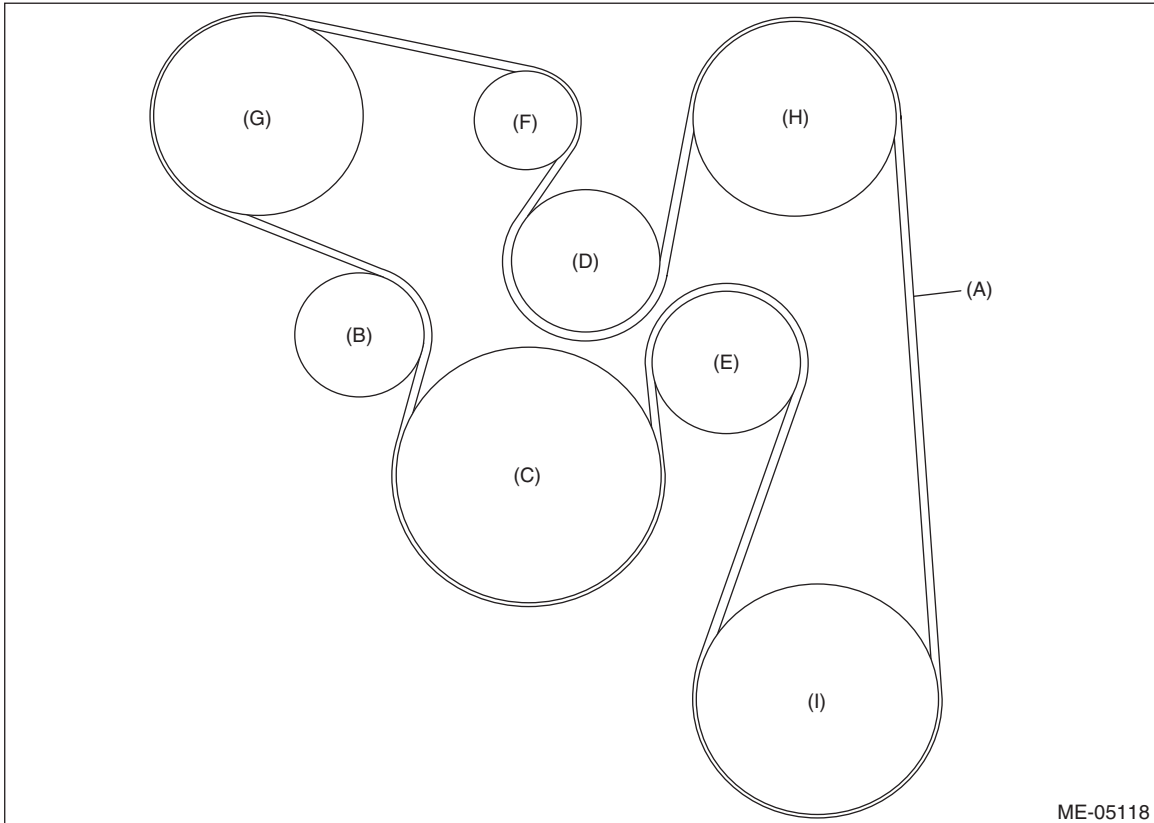
B: INSTALLATION

1. V-BELT

Install in the reverse order of removal.

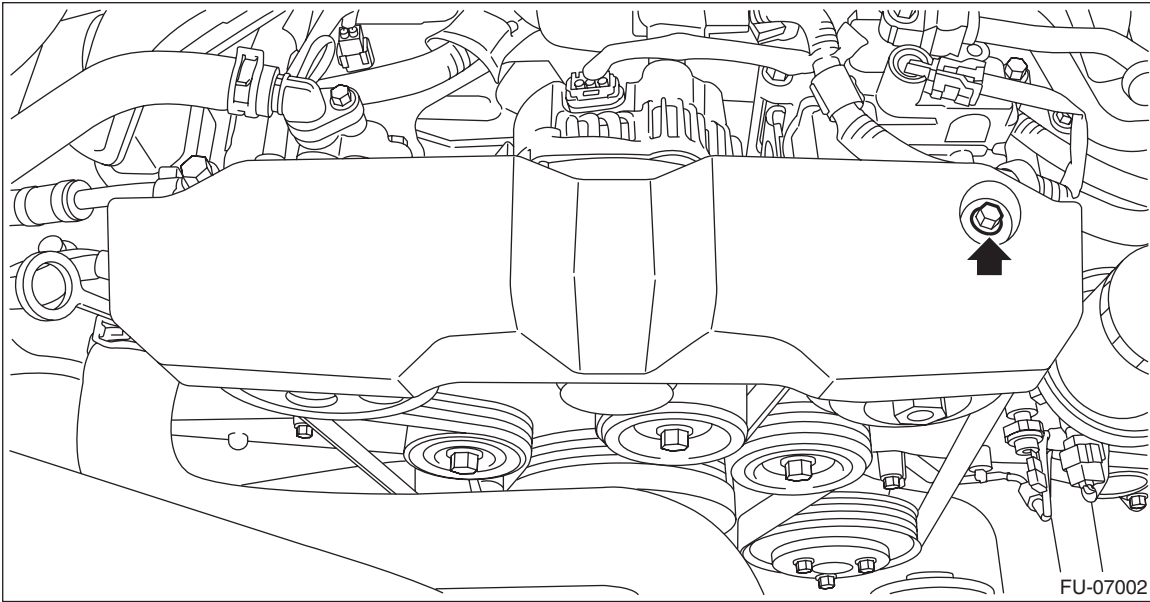
CAUTION:

- When reusing the V-belt, wipe off dust and water with cloth.
- Do not use the V-belt if there is any oil, grease or coolant on the belt.
- Be careful not to rub the V-belt end surface with bare hands; exposed core may cause injury.
- Wipe off any dust, oil and water on the groove of each pulley with cloth.



- | | | |
|---------------------------|----------------------|--------------------------------|
| (A) V-belt | (D) Idler pulley A | (G) Power steering pump pulley |
| (B) V-belt tensioner ASSY | (E) Idler pulley B | (H) A/C compressor pulley |
| (C) Crank pulley | (F) Generator pulley | (I) Water pump pulley |

Tightening torque:
6.4 N·m (0.7 kgf-m, 4.7 ft-lb)

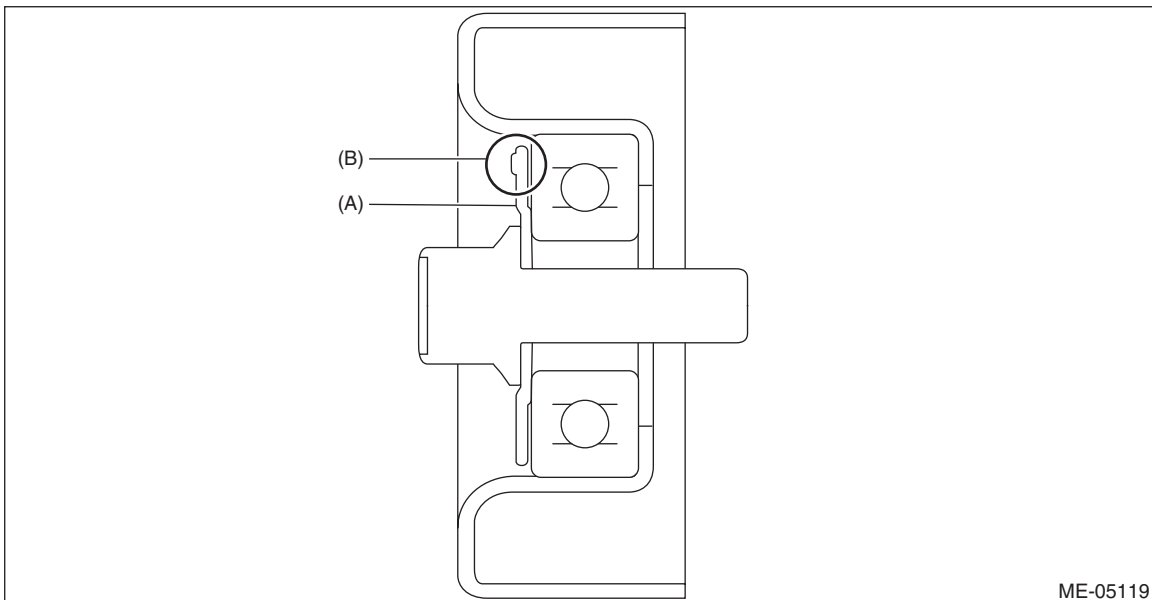


2. V-BELT TENSIONER ASSEMBLY AND IDLER PULLEY

1) Install the idler pulley to the chain cover.

NOTE:

When installing the idler pulley, be careful of the idler pulley cover direction.



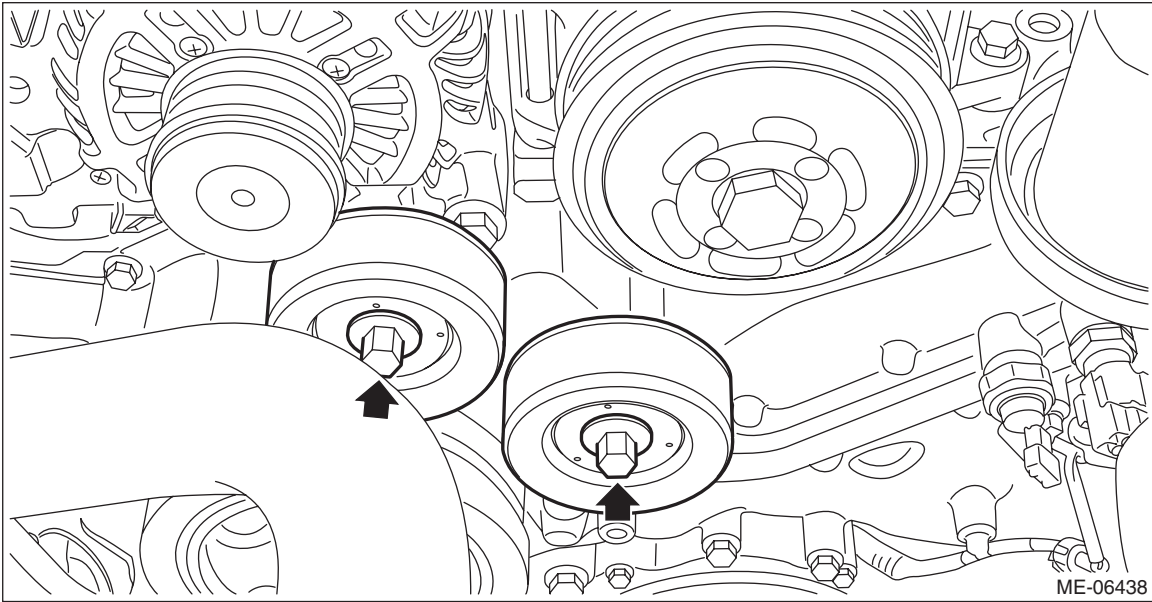
(A) Idler pulley cover

(B) Protrusion (3 places)

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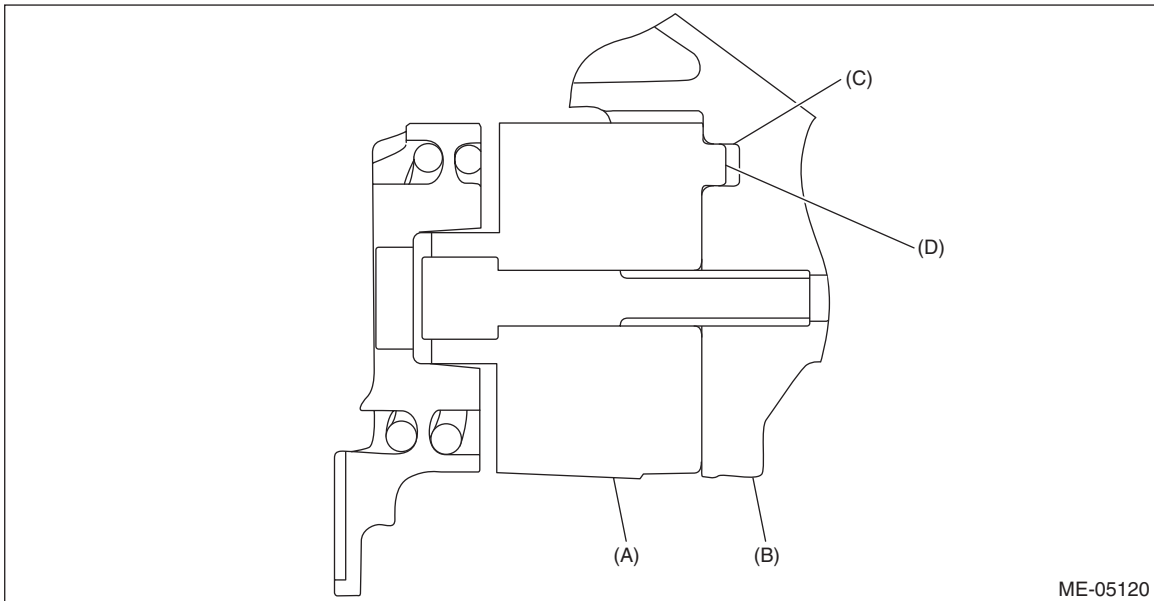
Tightening torque:
36 N·m (3.7 kgf·m, 26.6 ft·lb)



2) Install the V-belt tensioner assembly onto the power steering pump bracket.

NOTE:

When installing the V-belt tensioner assembly, insert the protrusion of V-belt tensioner assembly into the hole at the power steering pump bracket to prevent rotating.

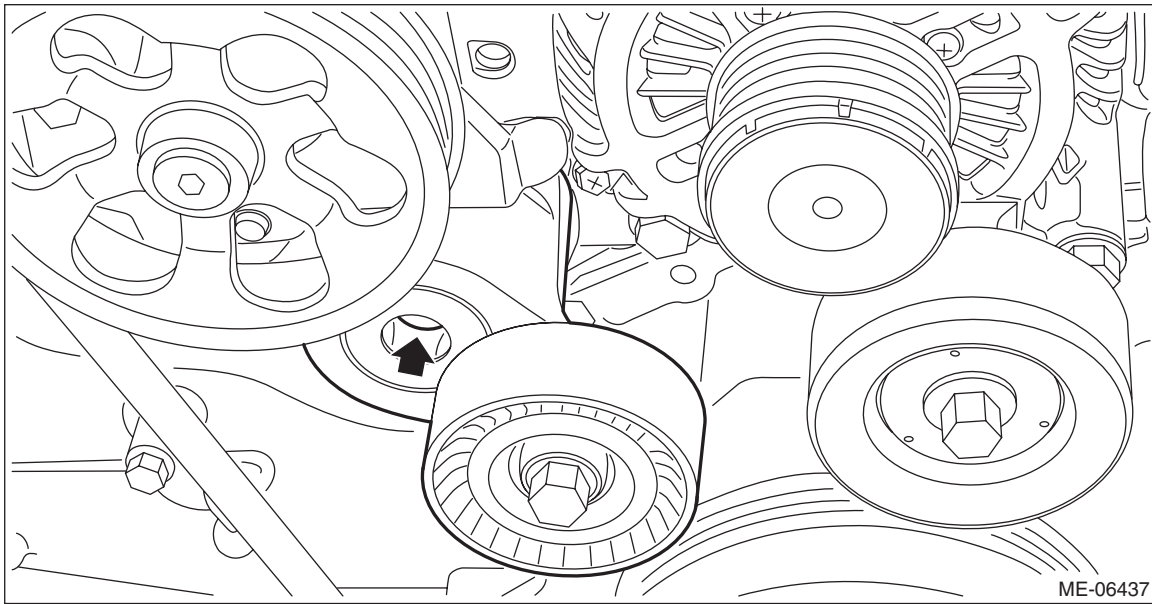


(A) V-belt tensioner ASSY
(B) Power steering bracket

(C) Hole to prevent rotation

(D) Protrusion portion

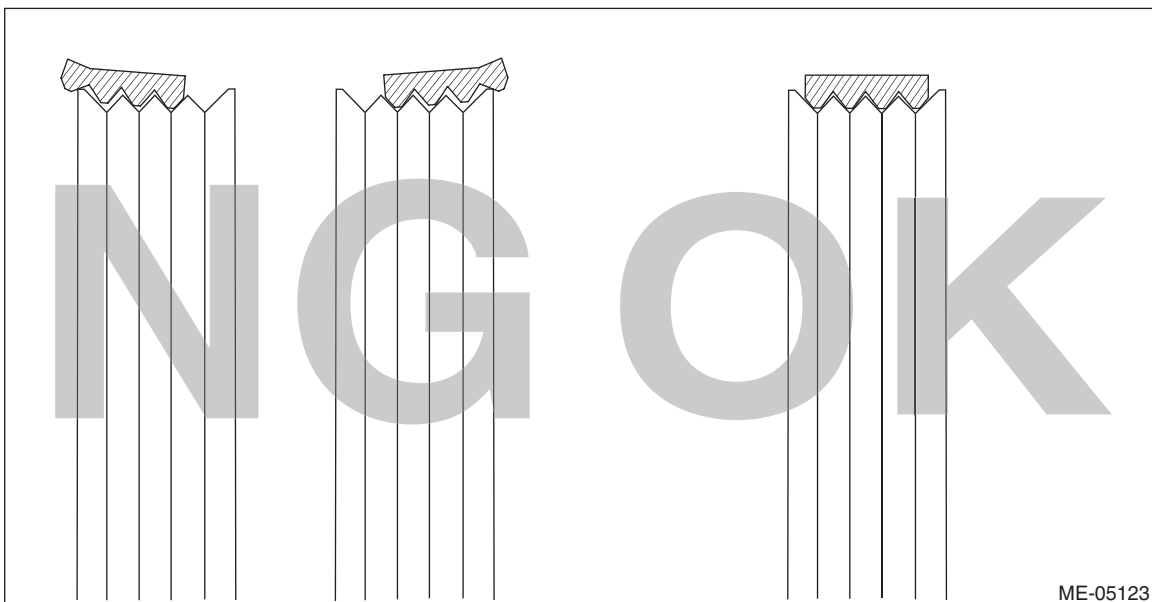
Tightening torque:
25 N·m (2.5 kgf·m, 18.4 ft·lb)



3) Install the V-belts. <Ref. to ME(H4DO)-82, V-BELT, INSTALLATION, V-belt.>

C: INSPECTION

- 1) Check the V-belt for cracks, tear or wear.
- 2) Check the V-belt tensioner assembly and idler pulley for deformation, cracks or other damages.
- 3) Check that the V-belt ribs are securely placed on the rib grooves for each pulleys.



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4) Check that the V-belt tensioner assembly (C) moves in the direction of arrow (D), when the V-belt (A) is pushed and released by the area indicated by the arrow (B).

