

12.V-belt

A: REMOVAL

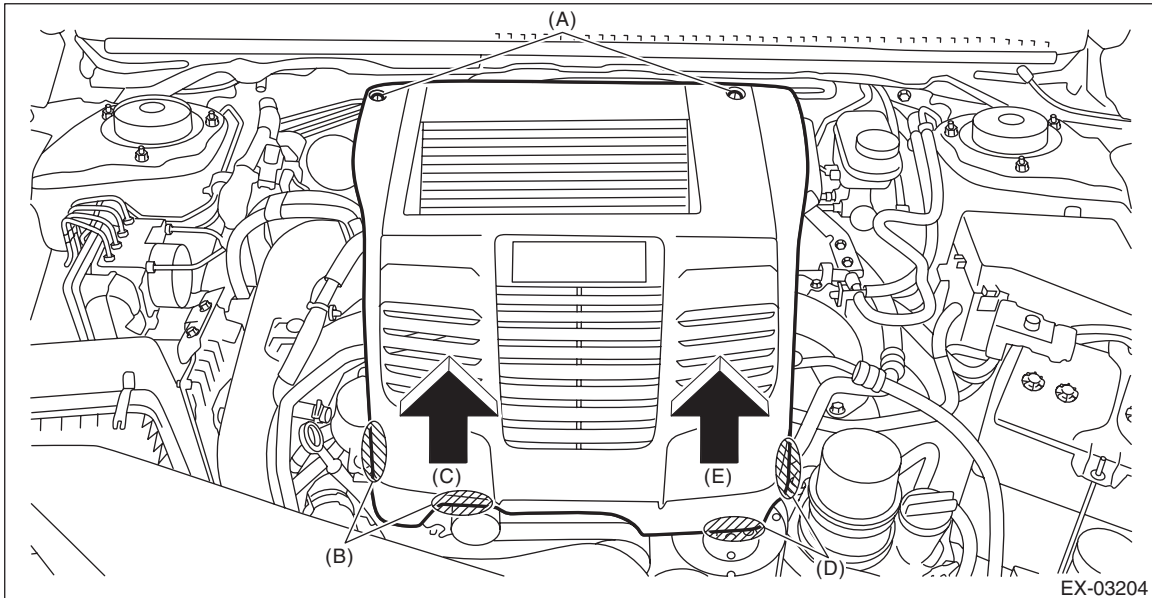
NOTE:

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

1. V-BELT

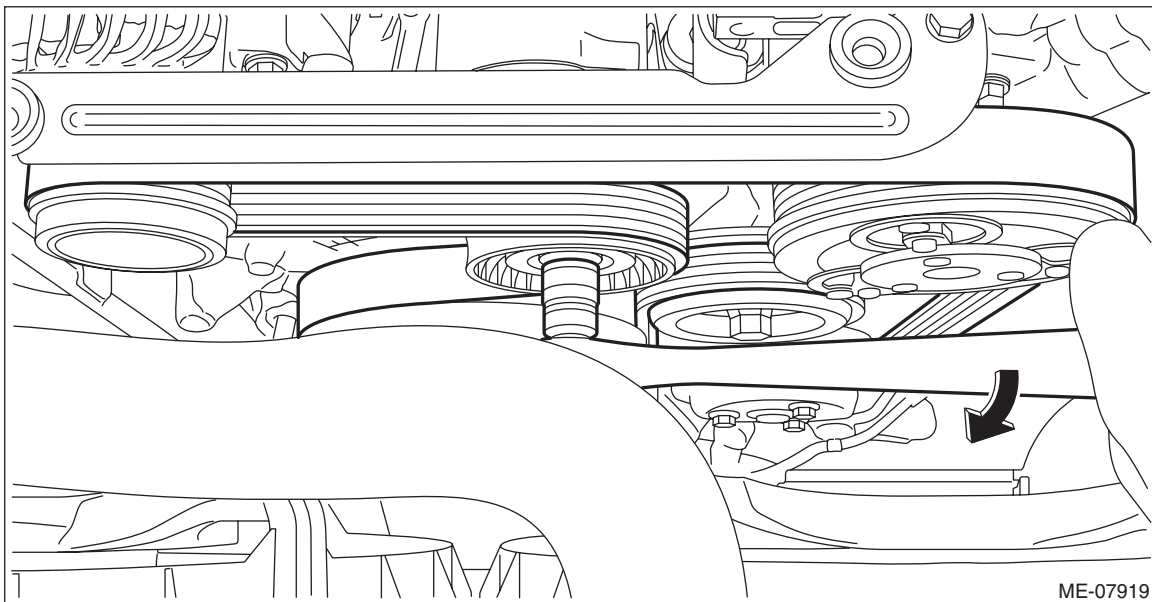
1) Remove the collector cover.

- (1) Remove the clips (A).
- (2) Hold the shaded area (B) by hand and carefully pull the RH side (C) upward.
- (3) Hold the shaded area (D) by hand and carefully pull the LH side (E) upward.



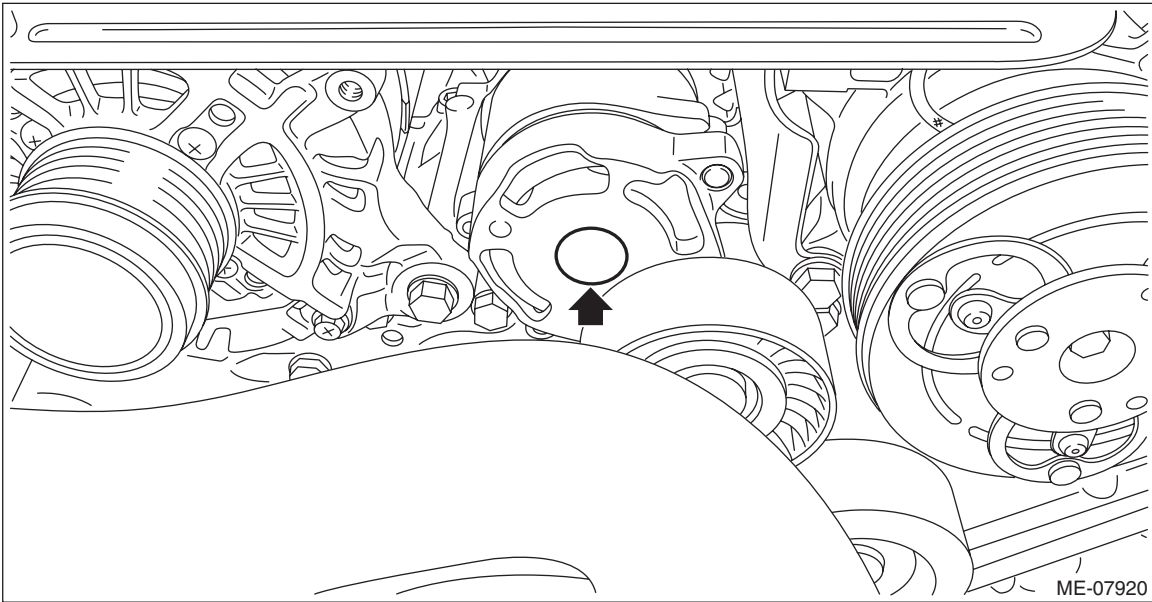
2) Remove the air intake duct. <Ref. to IN(w/o STI)-22, REMOVAL, Air Intake Duct.>

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

- 1) Remove the V-belts. <Ref. to ME(w/o STI)-78, V-BELT, REMOVAL, V-belt.>
- 2) Remove the cap from V-belt tensioner assembly.

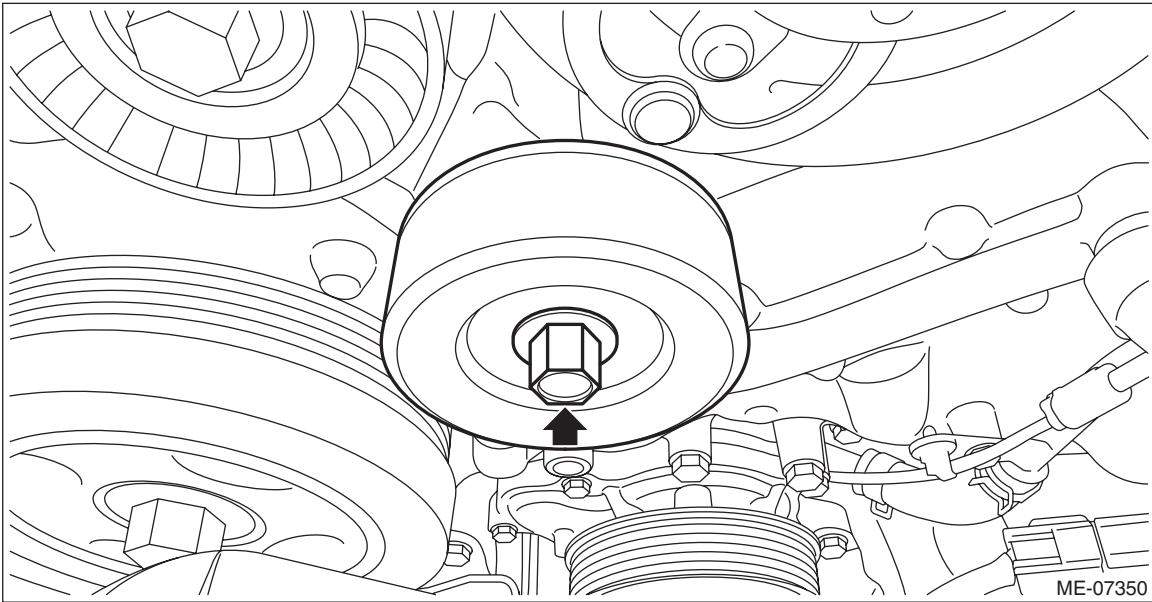


- 3) Remove the bolt securing the V-belt tensioner assembly to the generator bracket, and remove the V-belt tensioner assembly.



3. IDLER PULLEY

- 1) Remove the V-belts. <Ref. to ME(w/o STI)-78, V-BELT, REMOVAL, V-belt.>
- 2) Remove the bolts which secure the idler pulley to the chain cover, and remove the idler pulley.

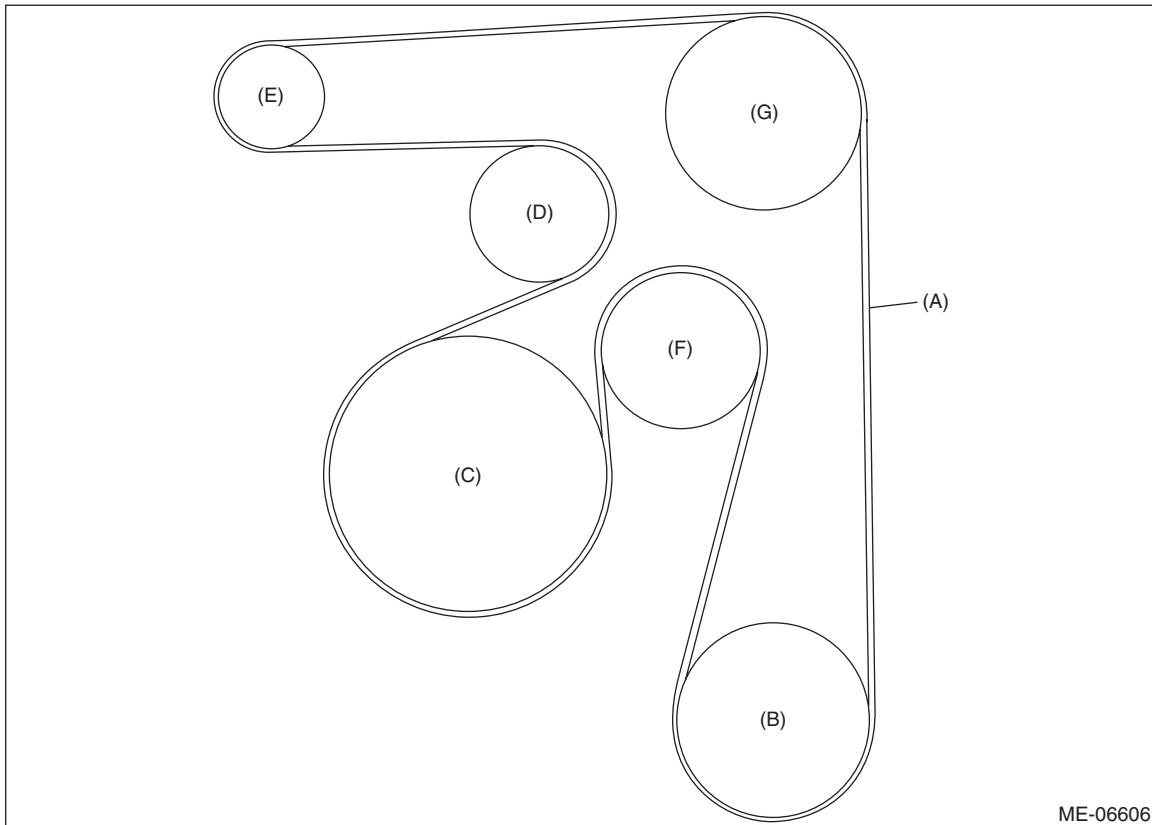


B: INSTALLATION**1. V-BELT**

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.



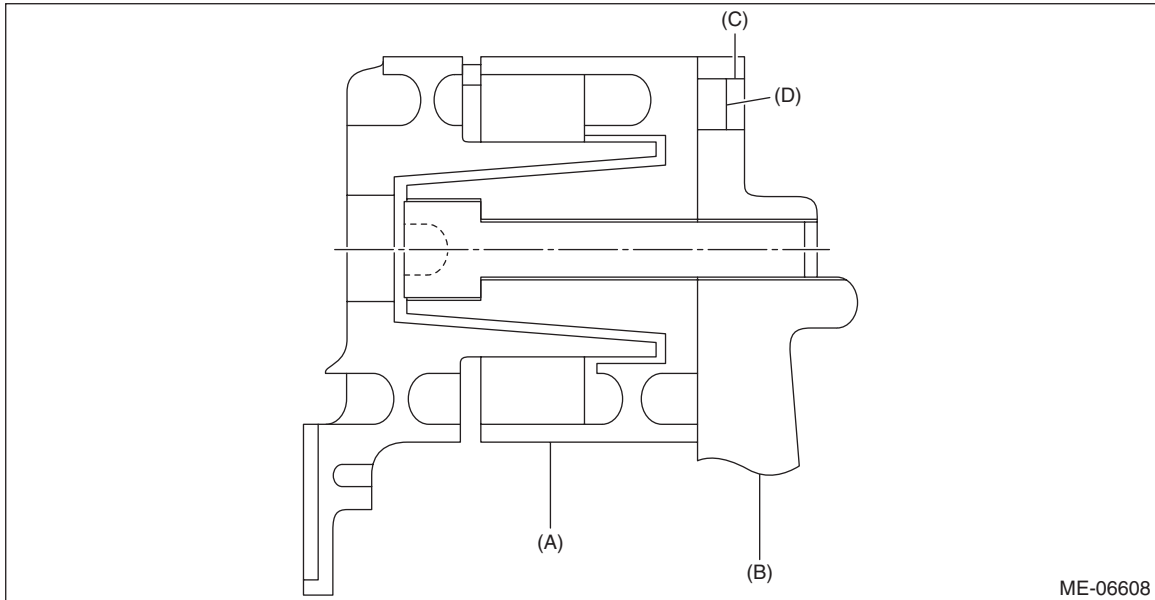
- | | | |
|-----------------------|---------------------------|---------------------------|
| (A) V-belt | (D) V-belt tensioner ASSY | (G) A/C compressor pulley |
| (B) Water pump pulley | (E) Generator pulley | |
| (C) Crank pulley | (F) Idler pulley | |

2. V-BELT TENSIONER ASSEMBLY

Install in the reverse order of removal.

NOTE:

When installing the V-belt tensioner assembly, insert the protrusion of V-belt tensioner assembly into the hole for preventing rotation at the generator bracket.



(A) V-belt tensioner ASSY

(C) Hole to prevent rotation

(D) Protrusion portion

(B) Generator bracket

Tightening torque:

25 N·m (2.5 kgf-m, 18.4 ft-lb)

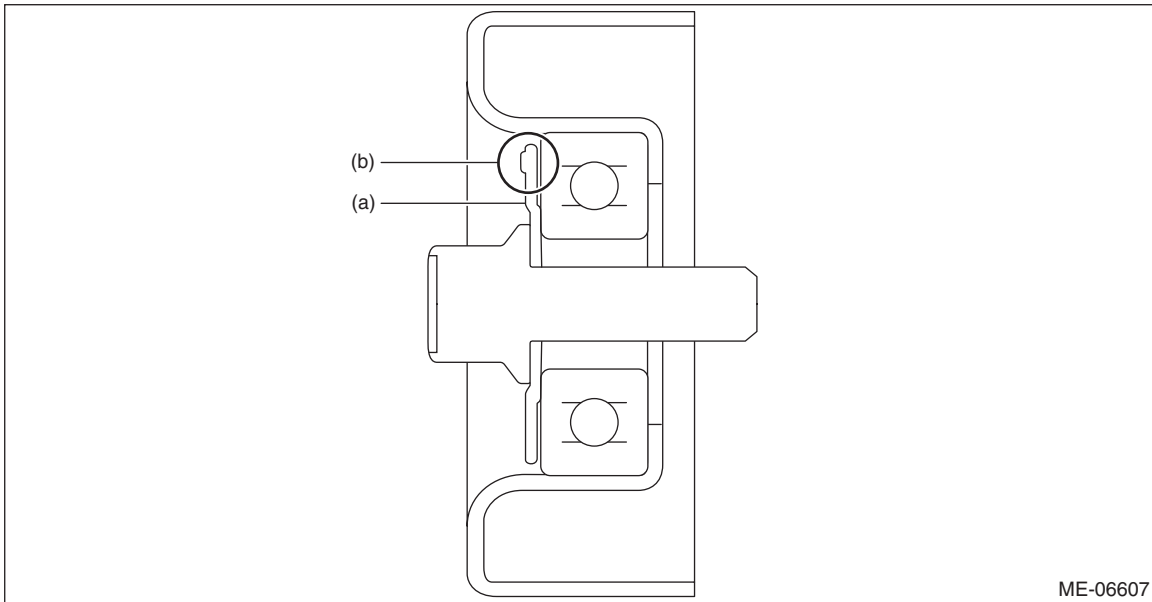


3. IDLER PULLEY

Install in the reverse order of removal.

NOTE:

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

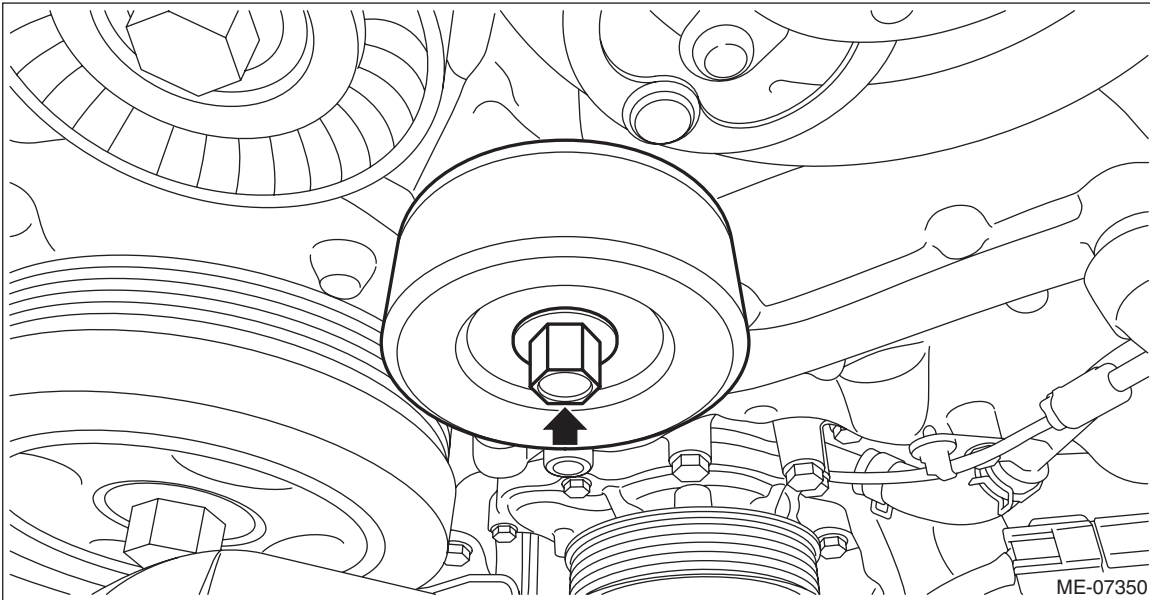


(a) Idler pulley cover

(b) Protrusion (3 places)

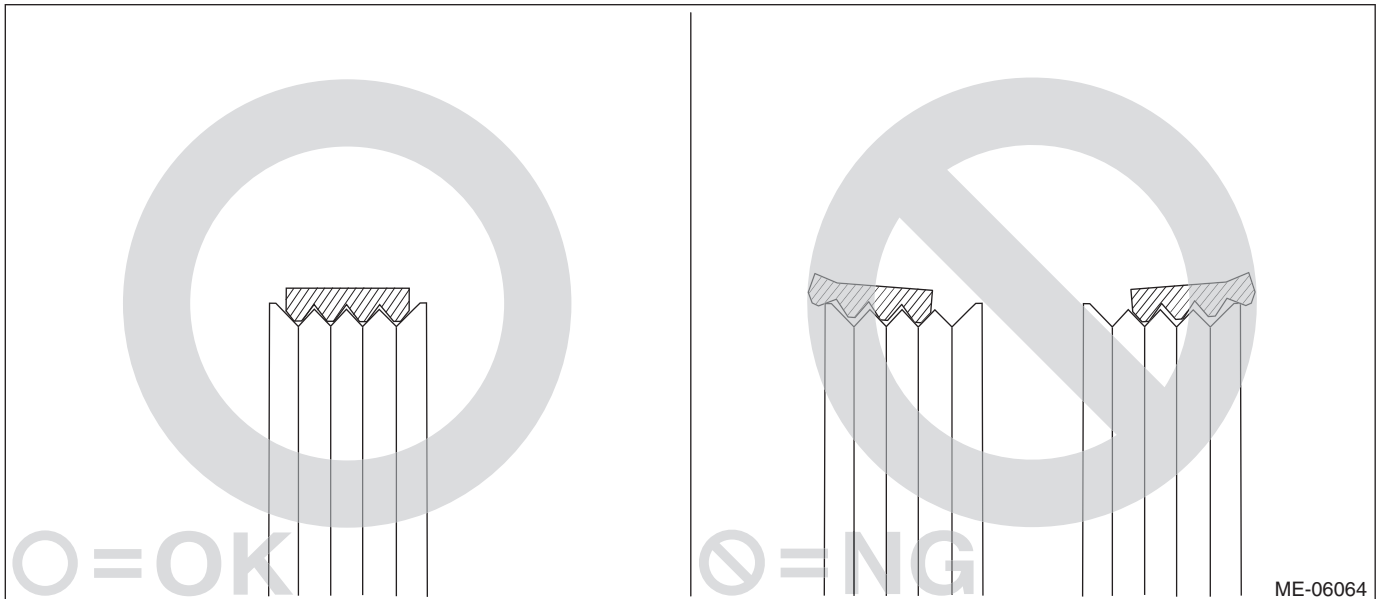
Tightening torque:

36 N·m (3.7 kgf-m, 26.6 ft-lb)

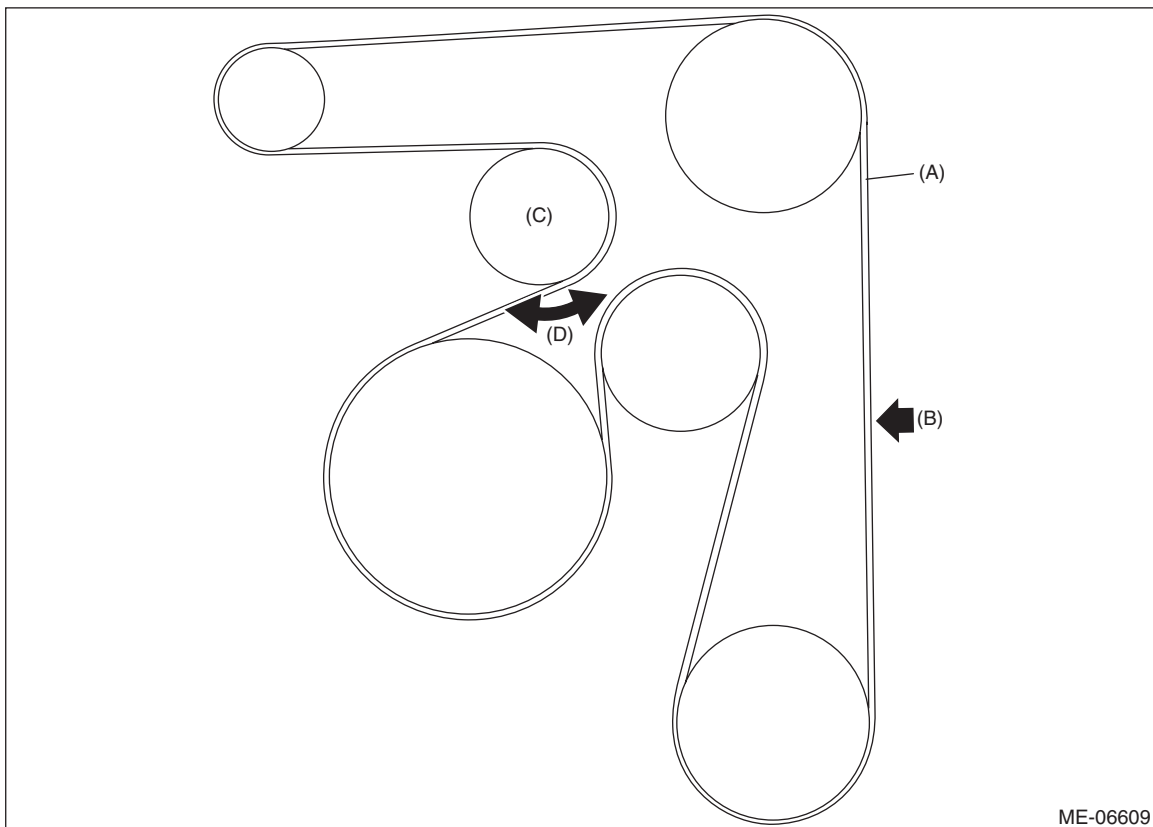


C: INSPECTION

- 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 pulley.



- 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).



- 5) Start the engine and confirm that the V-belt rotates smoothly and no abnormal noise is emitted.