

## 12. V-belt

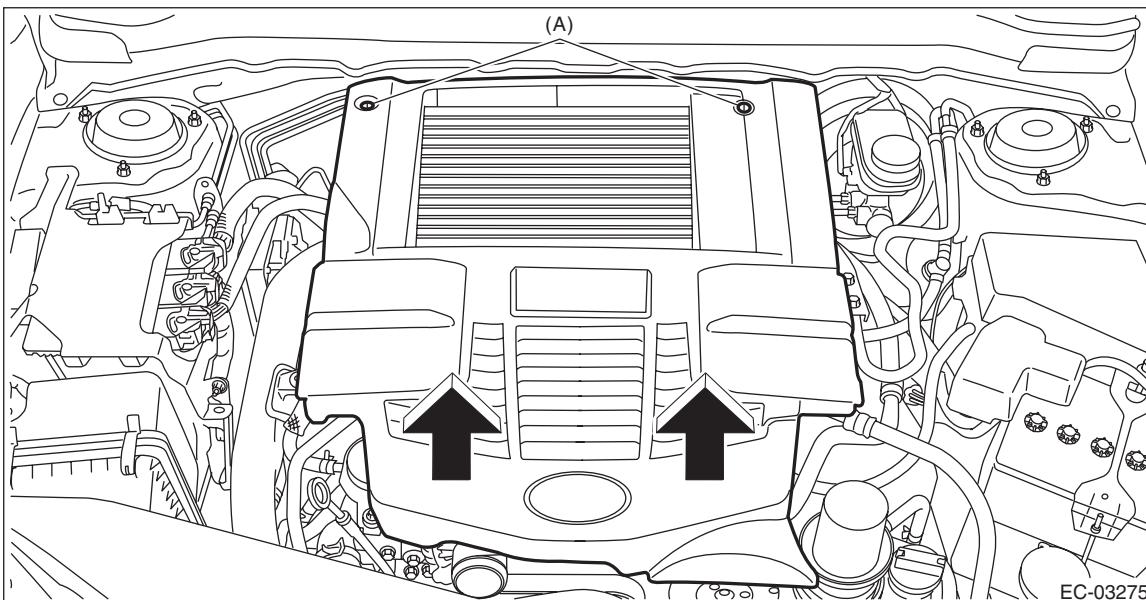
### A: REMOVAL

NOTE:

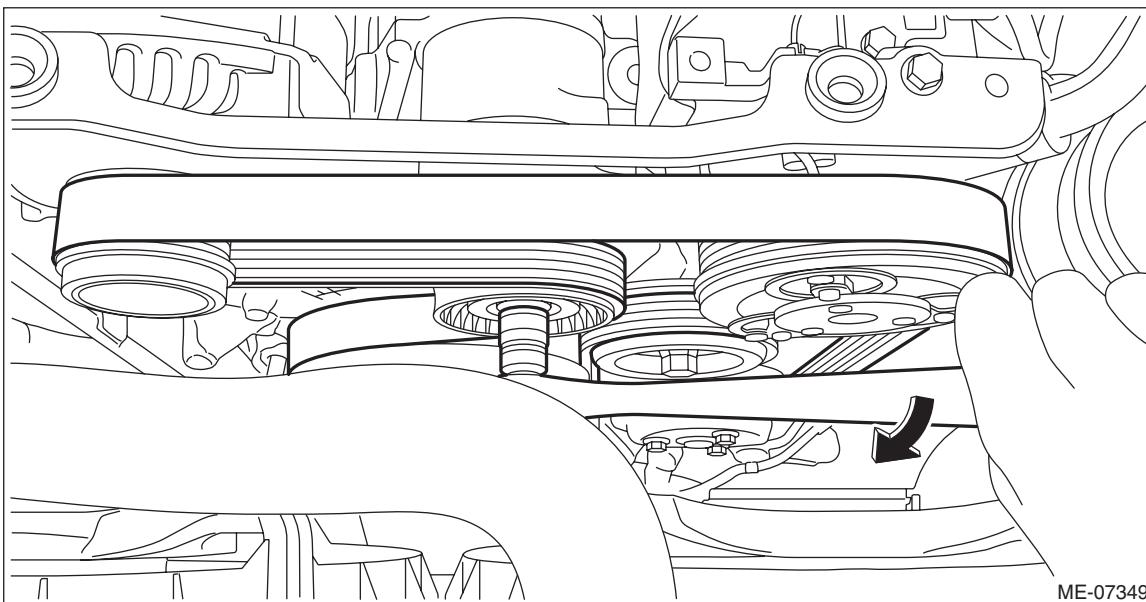
When replacing a single part, perform the work with the engine assembly installed to body.

#### 1. V-BELT

- 1) Remove the clip (A), lift the front of the collector cover in the direction of arrow, and then remove the collector cover.

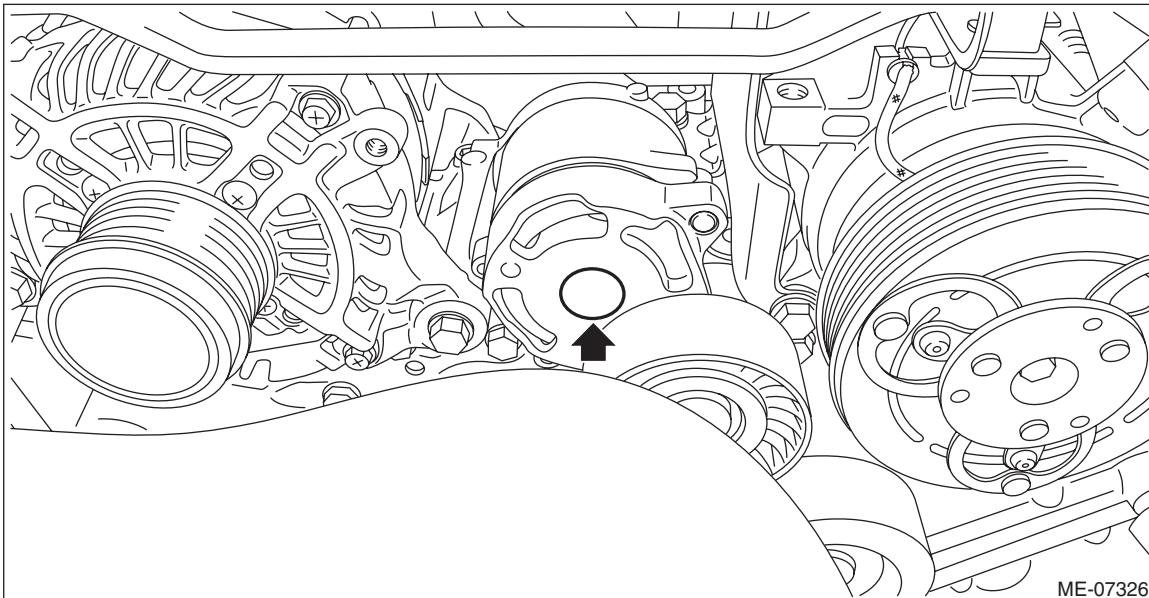


- 2) Remove the air intake duct (rear). <Ref. to IN(H4DOTC)-19, REMOVAL, Air Intake Duct.>
- 3) Attach the tool to the V-belt tensioner assembly, and rotate the tool clockwise to loosen and remove the V-belt.

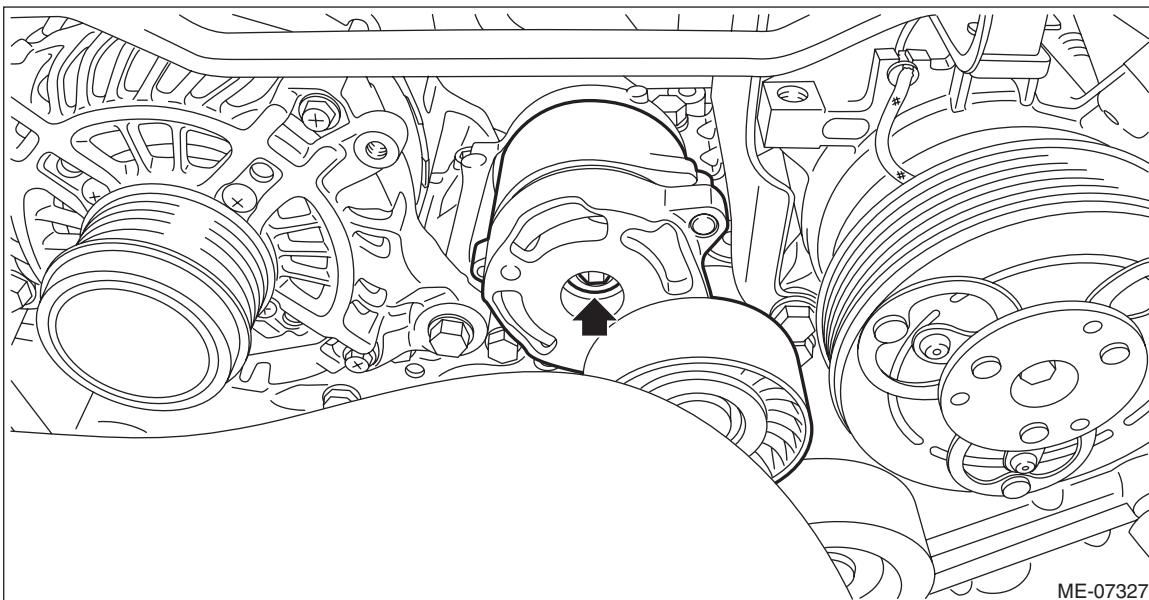


## 2. V-BELT TENSIONER ASSEMBLY

- 1) Remove the V-belts. <Ref. to ME(H4DOTC)-77, V-BELT, REMOVAL, V-belt.>
- 2) Remove the cap from V-belt tensioner assembly.

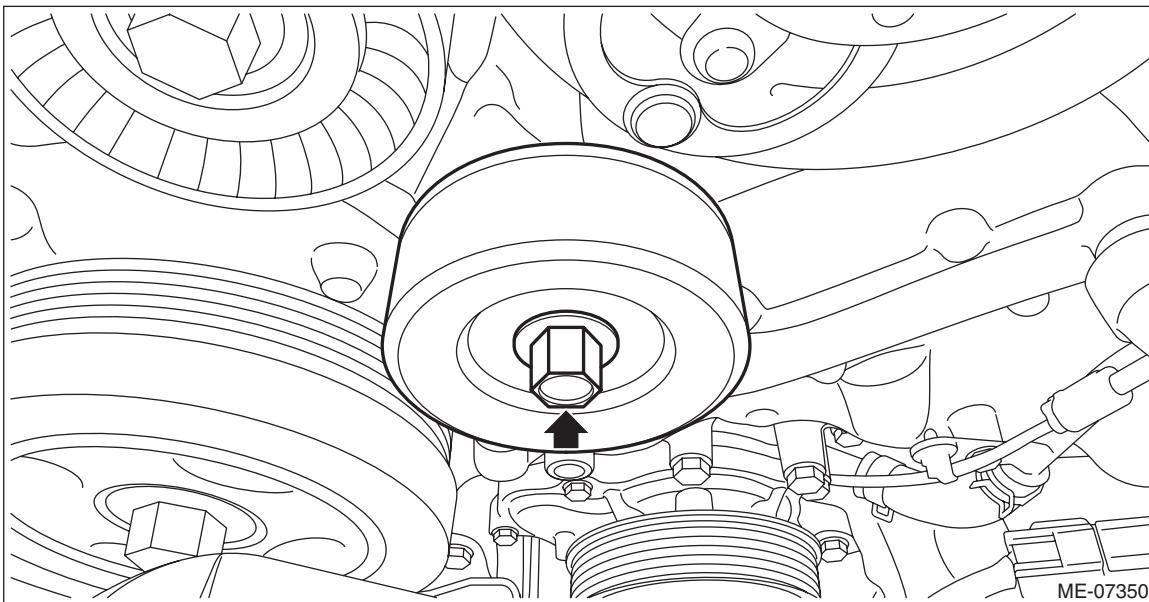


- 3) Remove the bolt securing the V-belt tensioner assembly to the generator bracket, and remove the V-belt tensioner assembly.



**3. IDLER PULLEY**

- 1) Remove the V-belts. <Ref. to ME(H4DOTC)-77, 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.

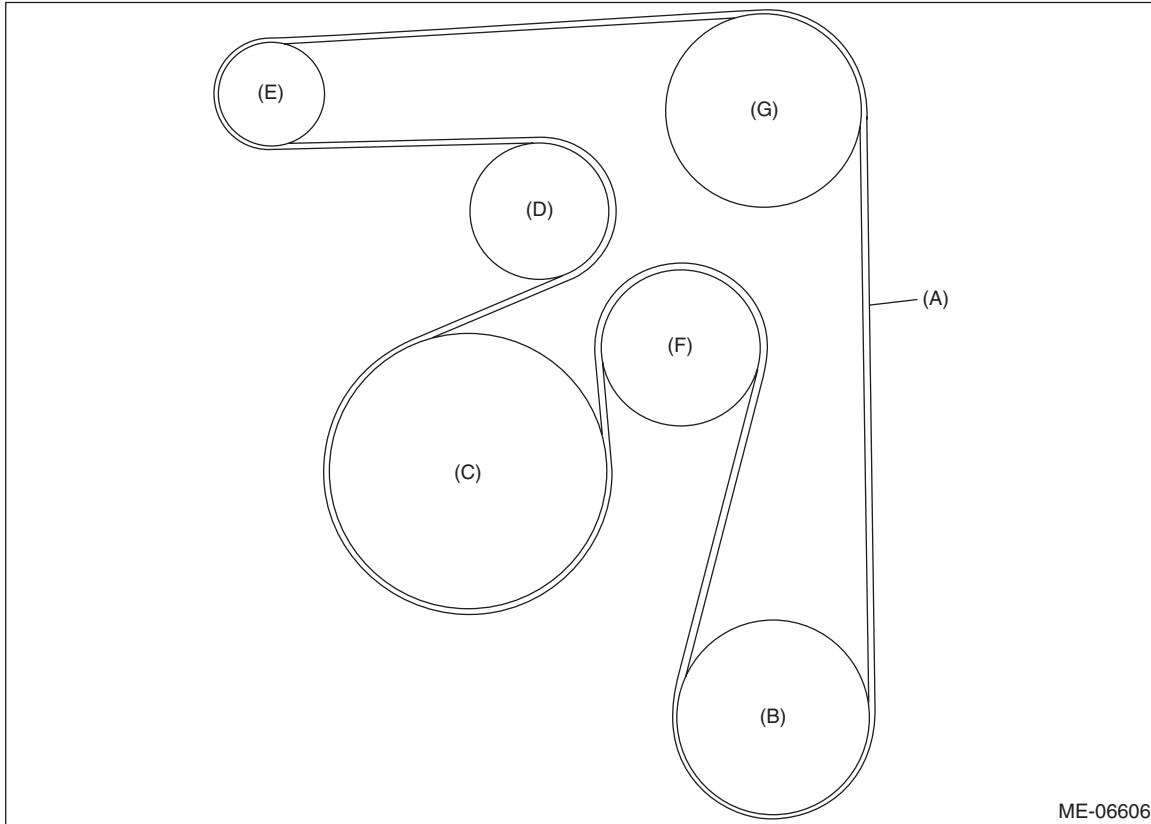
**CAUTION:**

- 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.

# V-belt

## MECHANICAL

- Wipe off any dust, oil and water on the groove of each pulley with cloth.



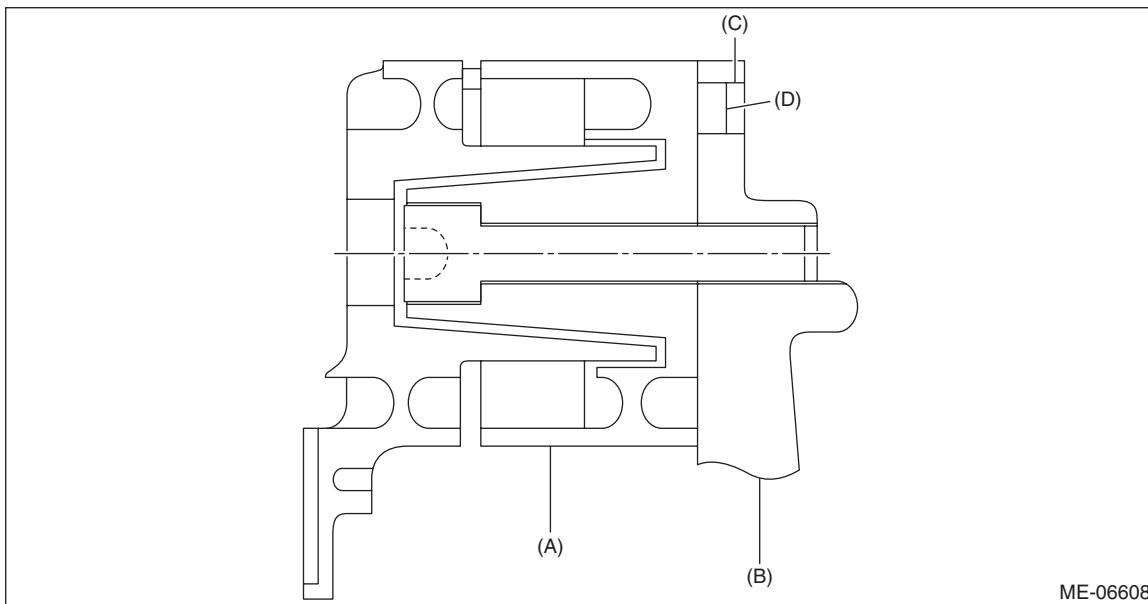
(A) V-belt	(D) V-belt tensioner ASSY	(G) A/C compressor pulley
(B) Water pump pulley	(E) Generator pulley	
(C) Crank pulley	(F) Idler pulley	

## 2. V-BELT TENSIONER ASSY

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

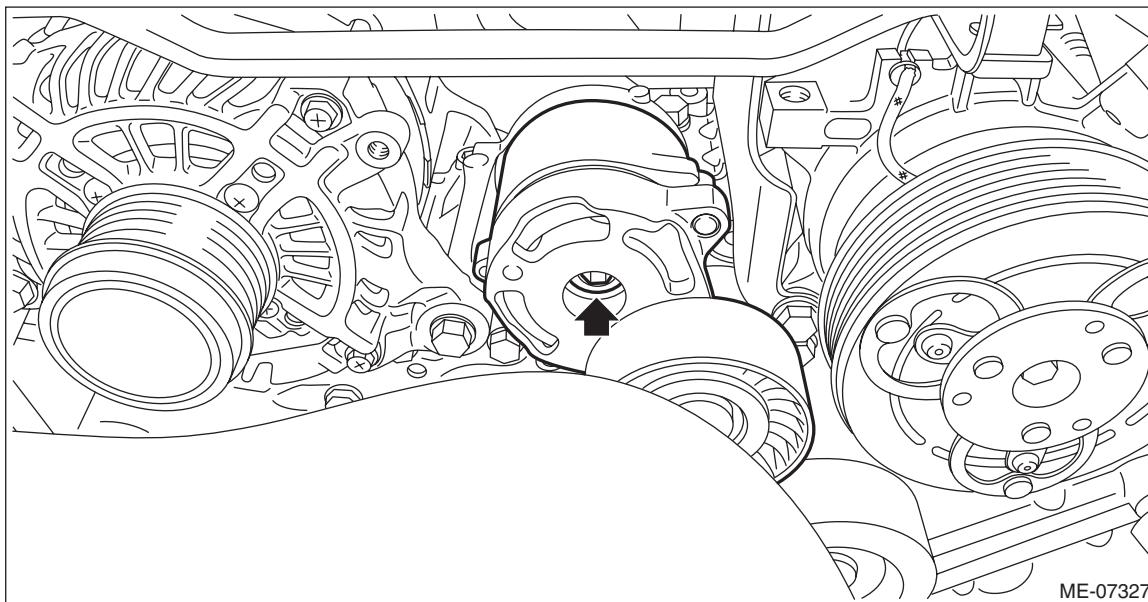
(C) Hole to prevent rotation

(D) Protrusion portion

(B) Generator bracket

**Tightening torque:**

25 N·m (2.5 kgf·m, 18.4 ft-lb)

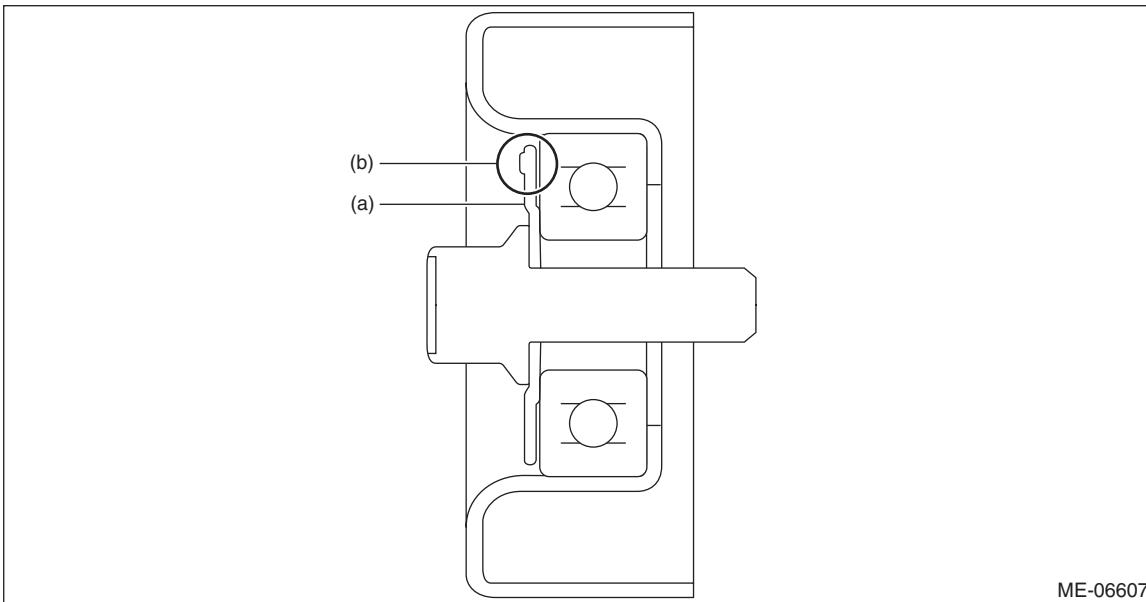


### 3. IDLER PULLEY

Install in the reverse order of removal.

NOTE:

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

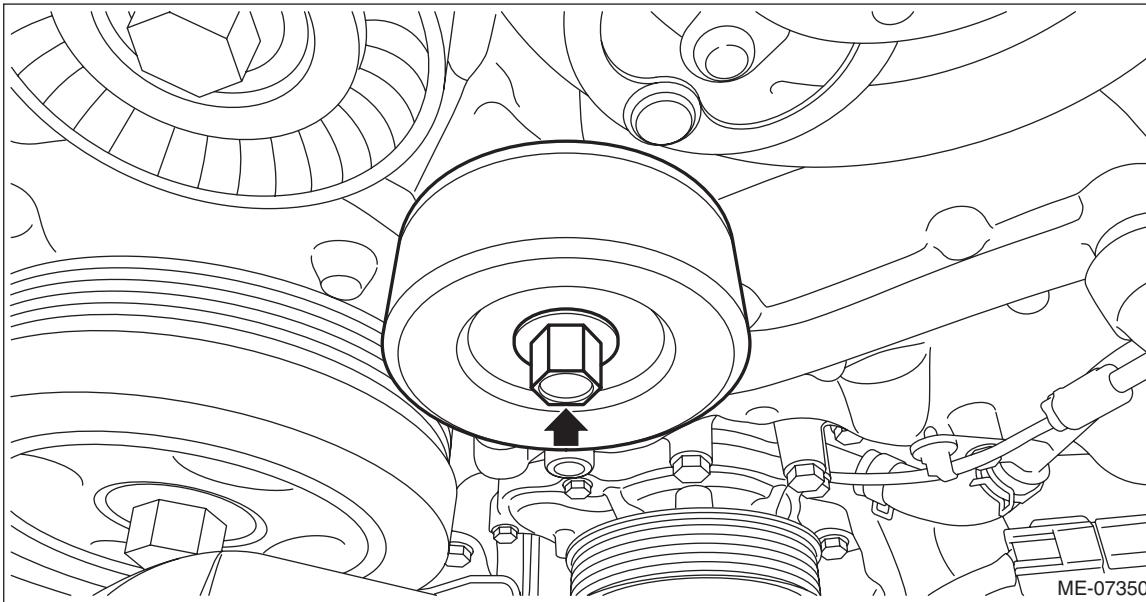


(a) Idler pulley cover

(b) Protrusion (3 places)

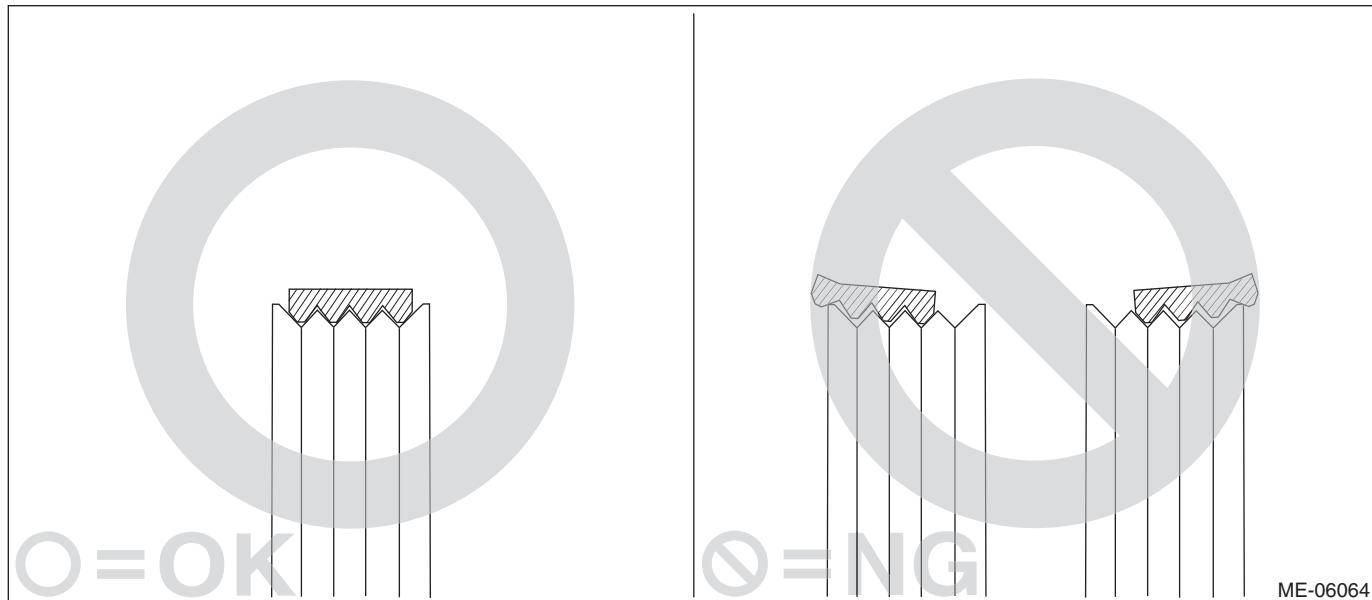
**Tightening torque:**

**36 N·m (3.7 kgf·m, 26.6 ft-lb)**

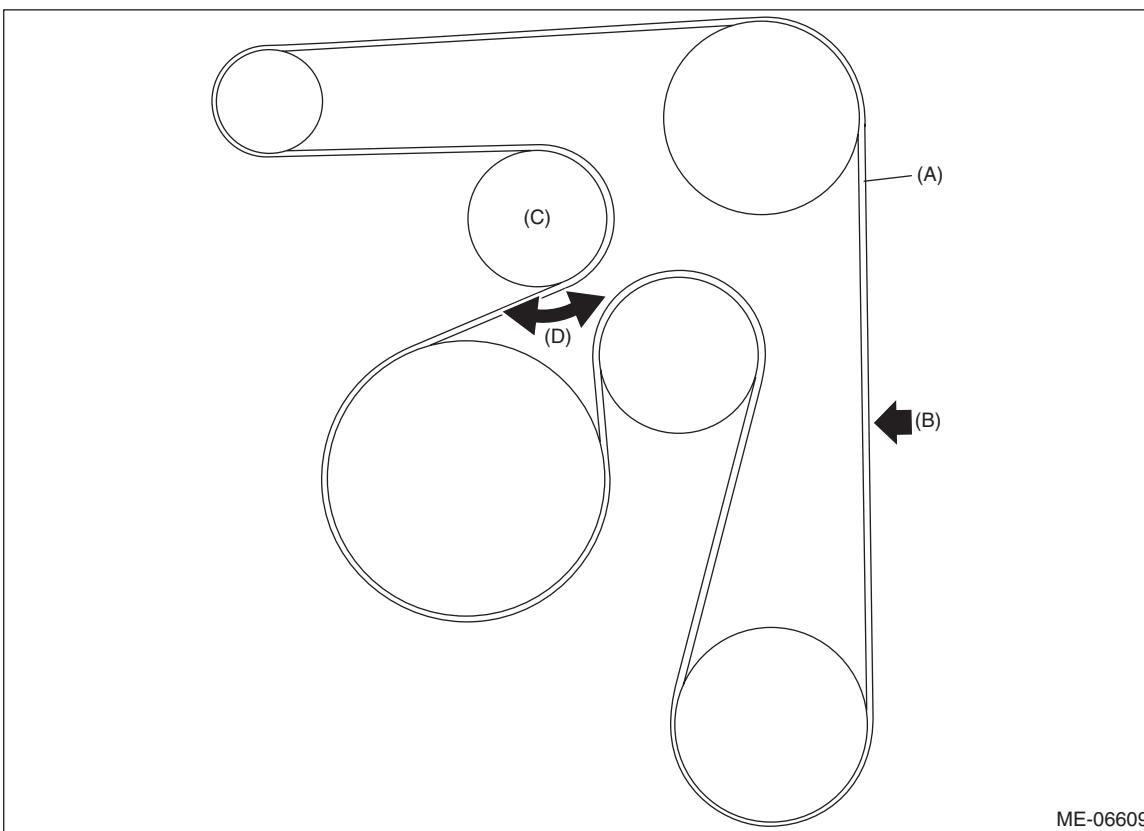


**C: INSPECTION**

- 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.