

## 12.V-belt

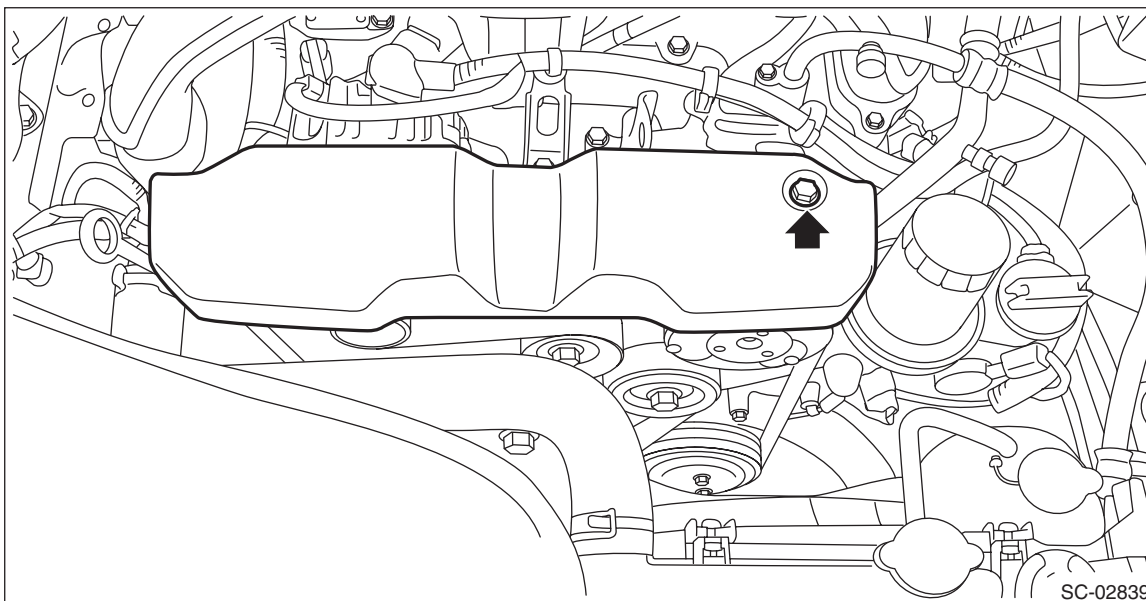
### A: REMOVAL

NOTE:

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

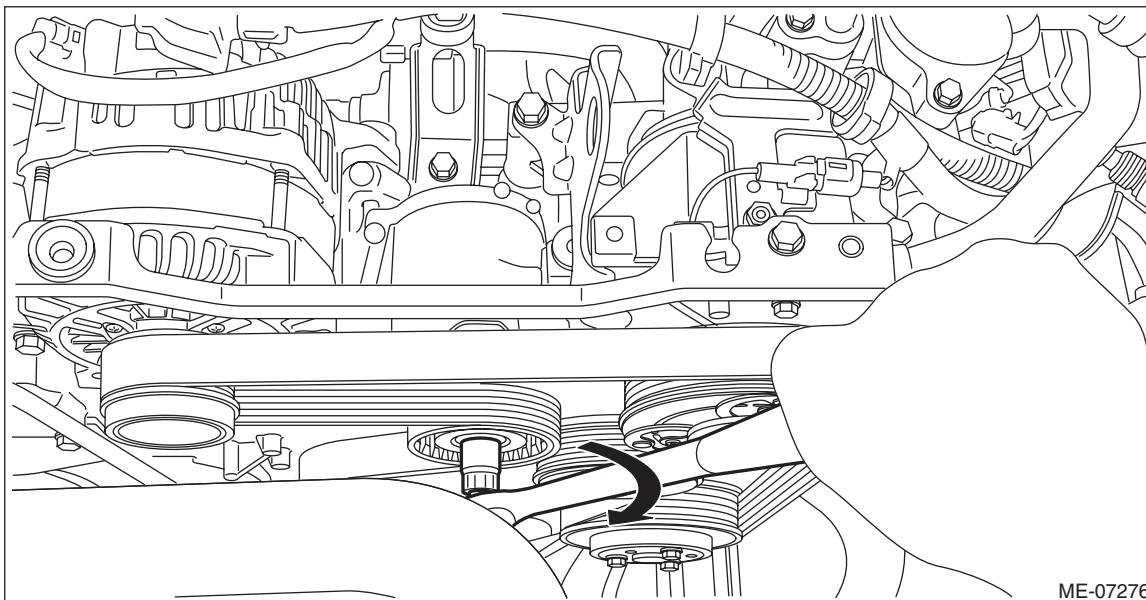
#### 1. V-BELT

1) Remove the V-belt covers.



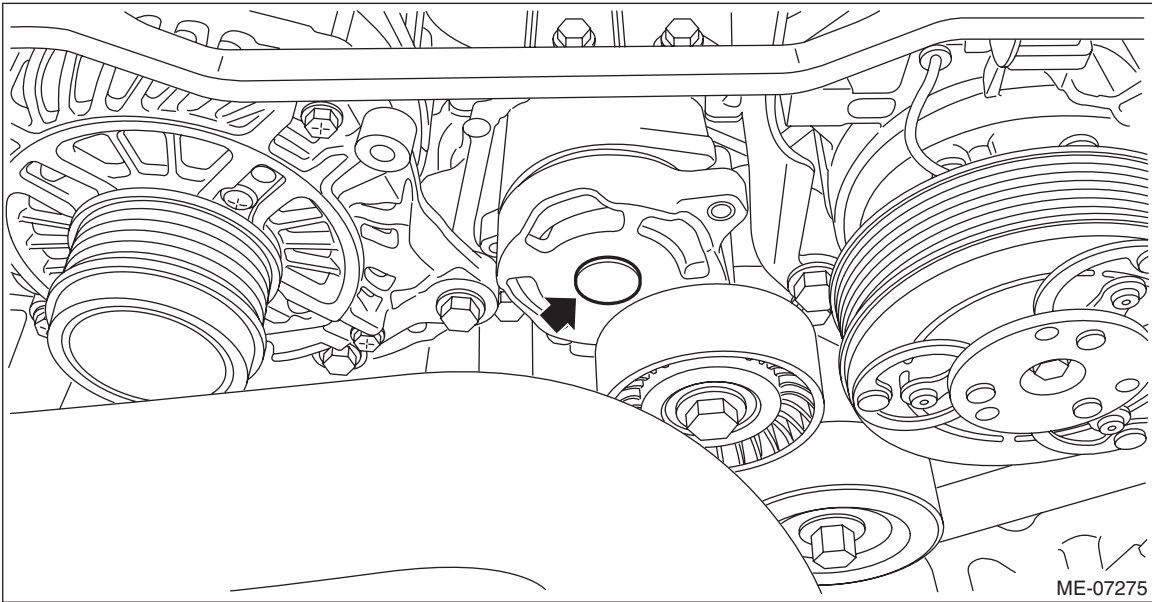
2) Remove the air intake duct (rear). <Ref. to IN(H4DO)-12, REMOVAL, Air Intake Duct.>

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

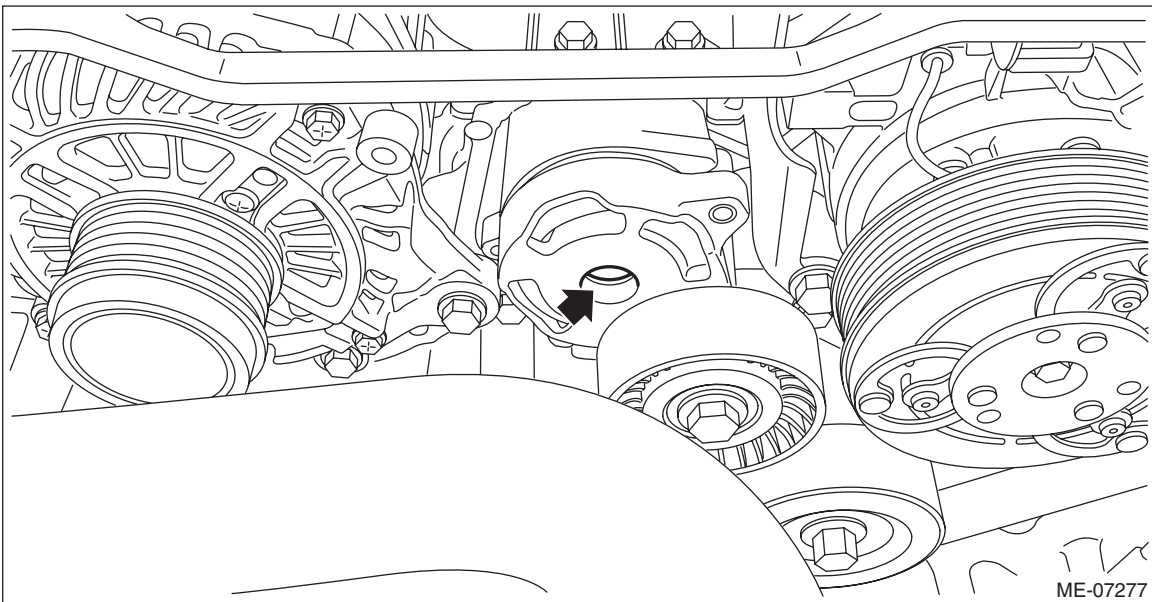


### 2. V-BELT TENSIONER ASSY

- 1) Remove the V-belts. <Ref. to ME(H4DO)-87, V-BELT, REMOVAL, V-belt.>
- 2) Remove the cap from V-belt tensioner assembly.

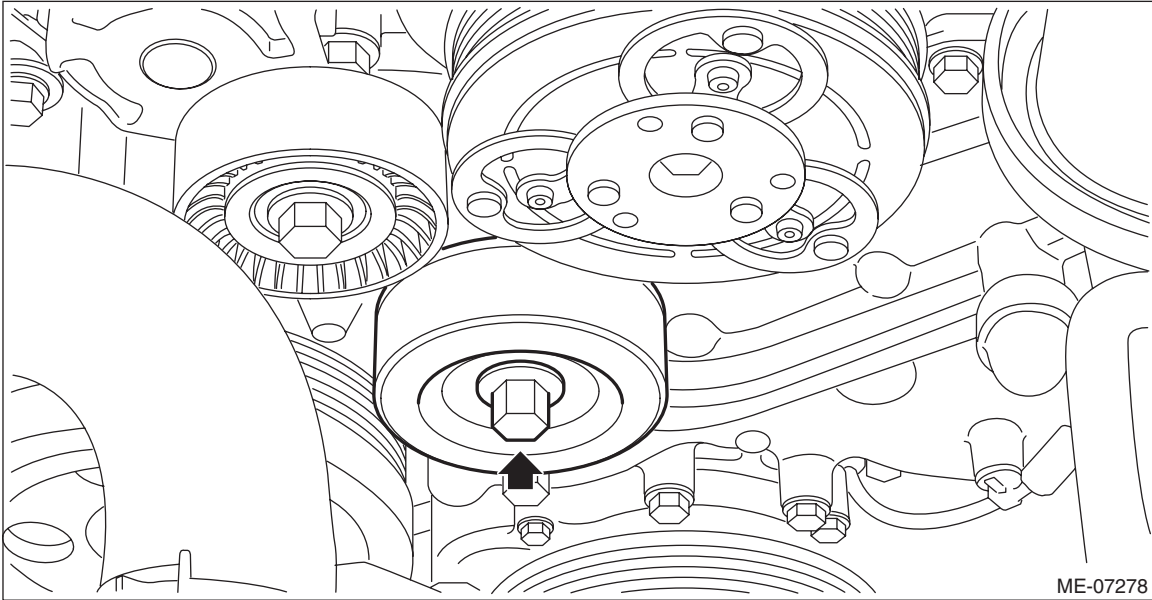


- 3) Remove the bolt securing the V-belt tensioner assembly to the generator bracket, and remove the V-belt tensioner assembly.



## 3. IDLER PULLEY

- 1) Remove the V-belts. <Ref. to ME(H4DO)-87, V-BELT, REMOVAL, V-belt.>
- 2) Remove the bolts which secure the idler pulley to the chain cover, and remove the idler pulley.



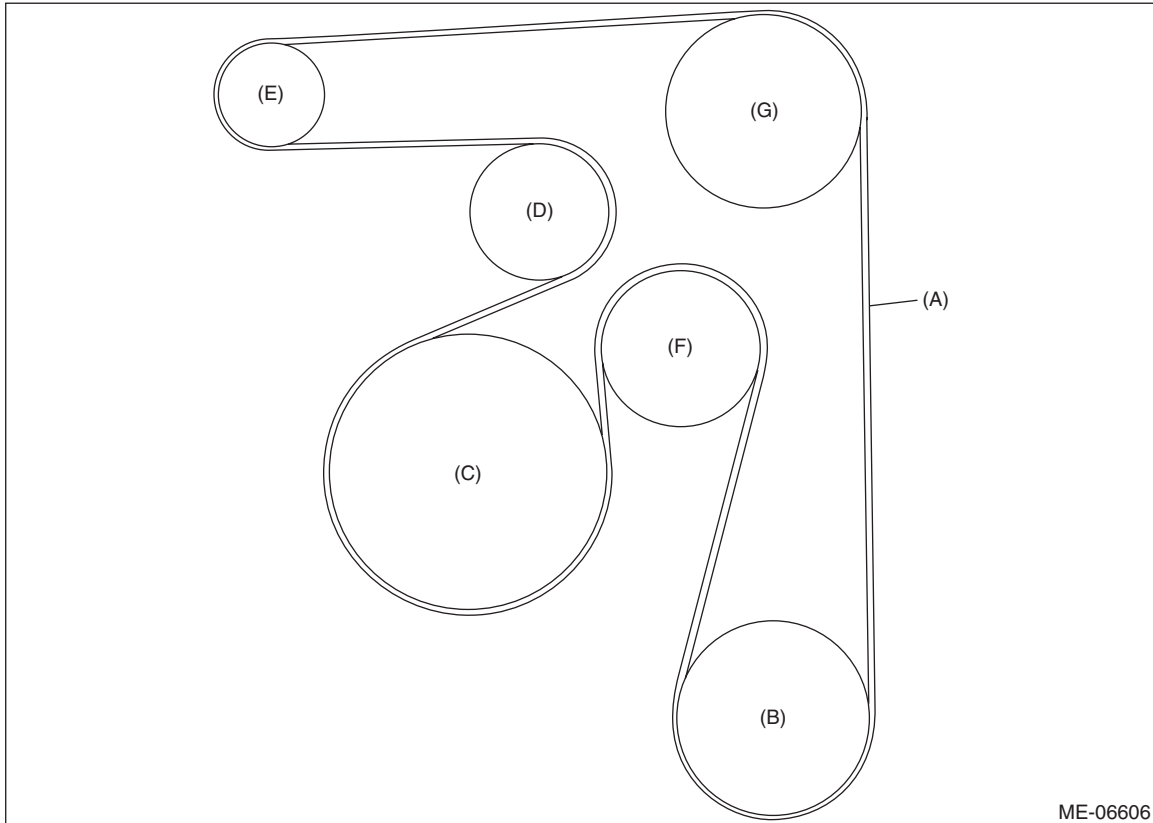
## B: INSTALLATION

### 1. V-BELT

Install in the reverse order of removal.

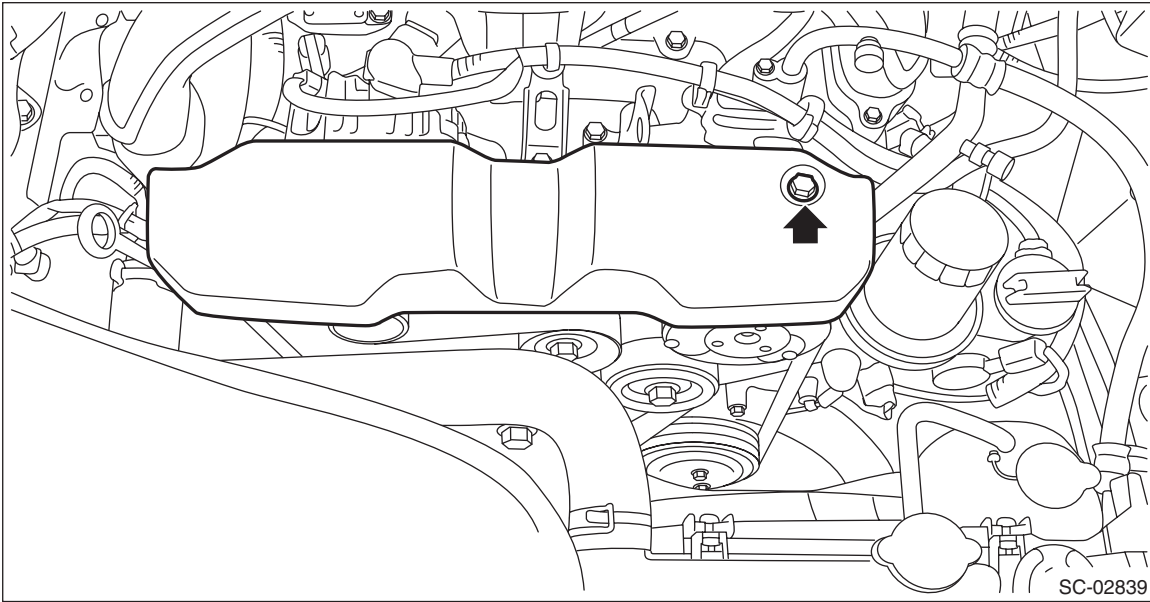
#### CAUTION:

- 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          |                           |

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

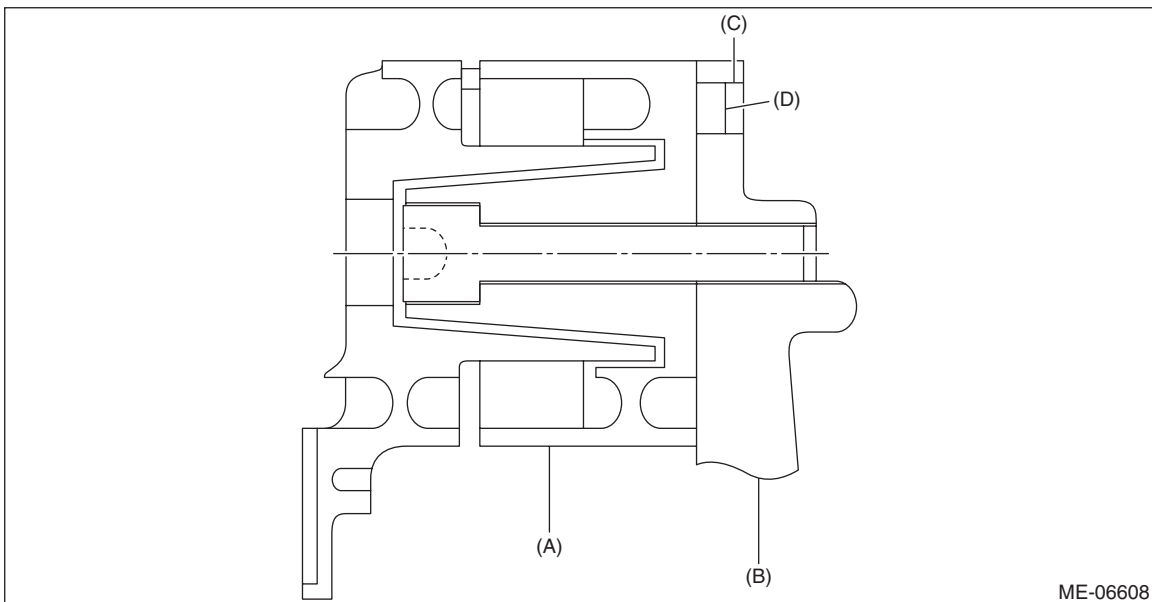


## 2. V-BELT TENSIONER ASSY

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.

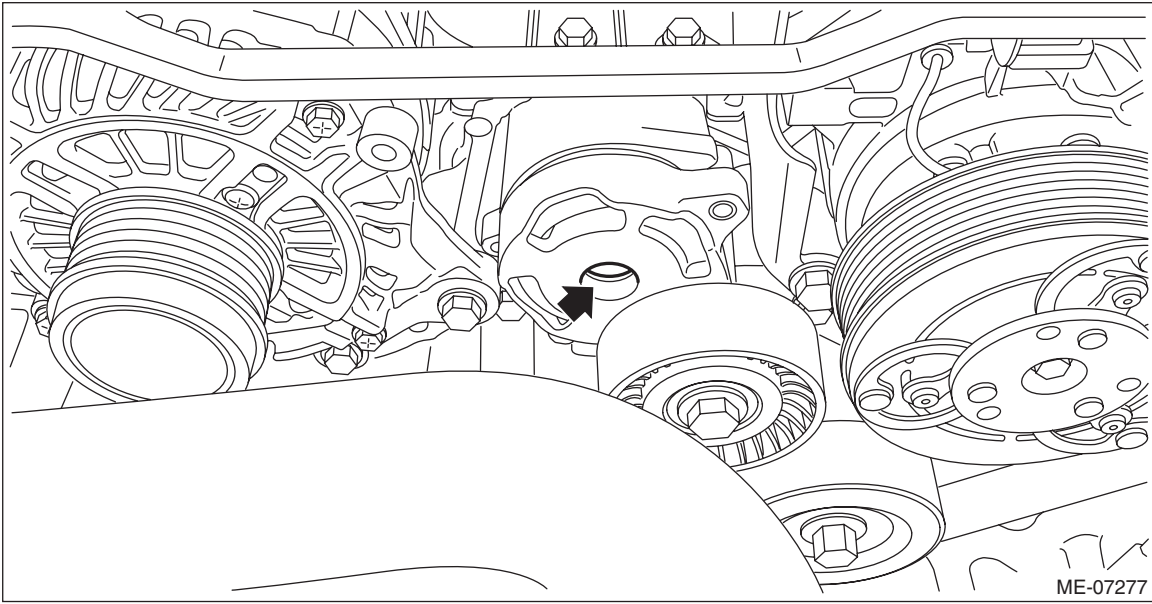


(A) V-belt tensioner ASSY  
 (B) Generator bracket

(C) Hole to prevent rotation

(D) Protrusion portion

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

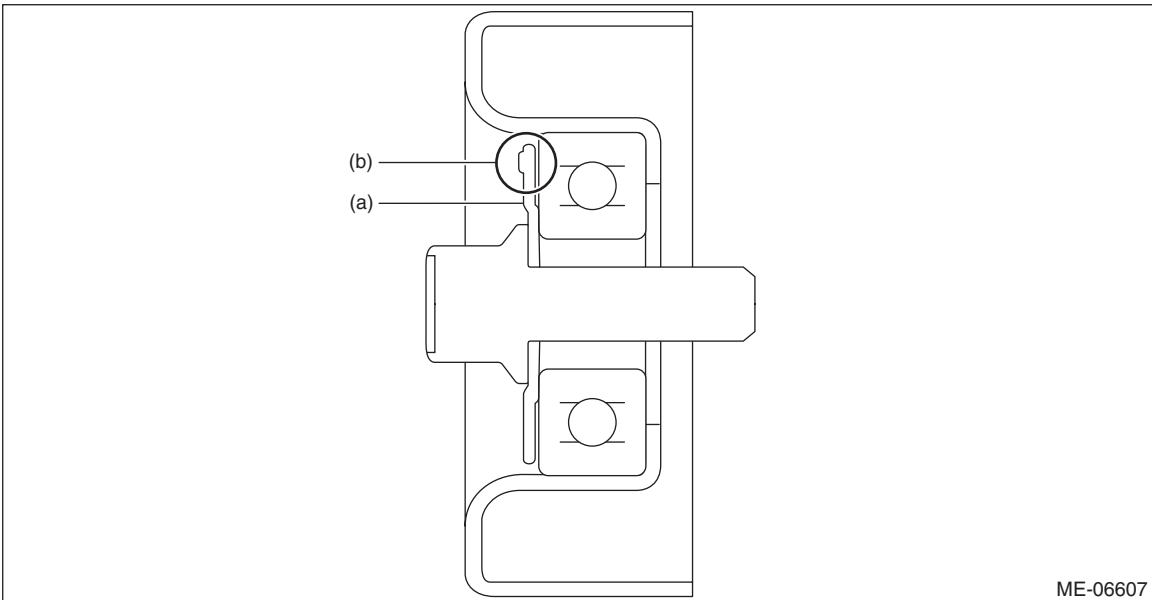


### 3. IDLER PULLEY

Install in the reverse order of removal.

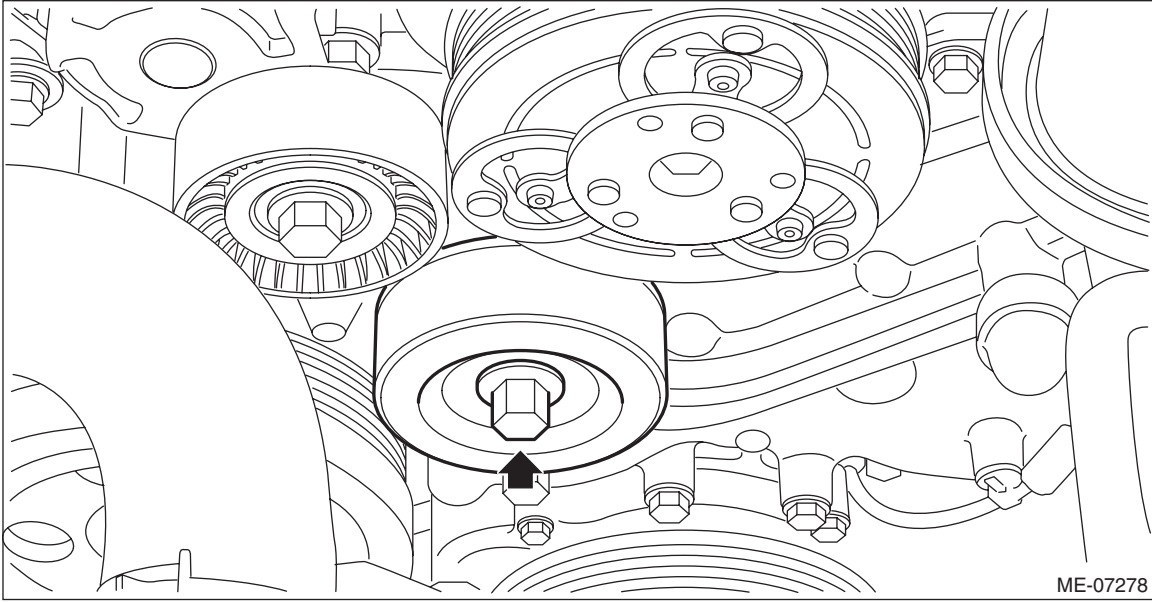
**NOTE:**

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

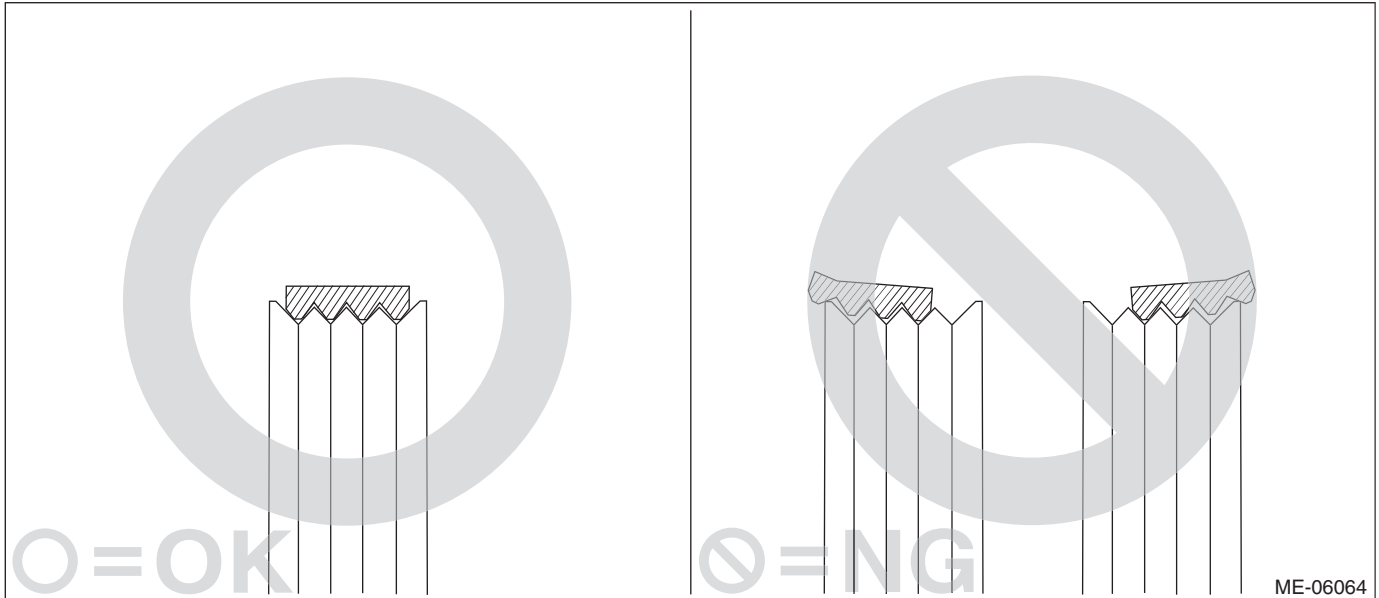


(a) Idler pulley cover

(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 pulleys.



## V-belt

### MECHANICAL

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).

