

## 12.V-belt

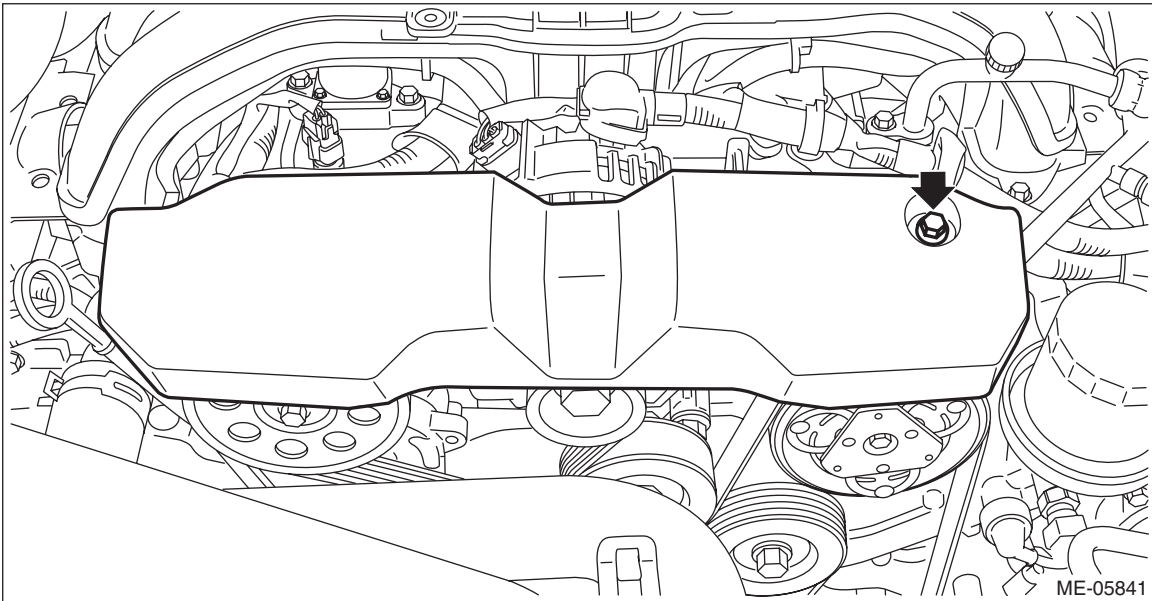
### A: REMOVAL

#### NOTE:

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

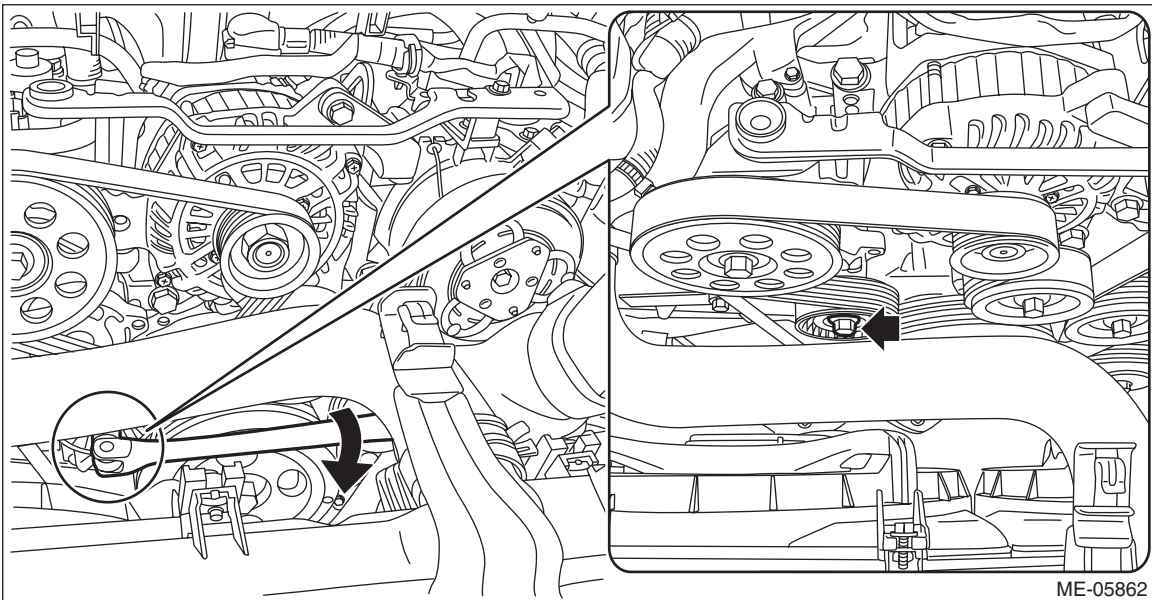
#### 1. V-BELT

- 1) Remove the V-belt covers.



- 2) Remove the air intake duct. <Ref. to IN(H4DO)-13, 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.

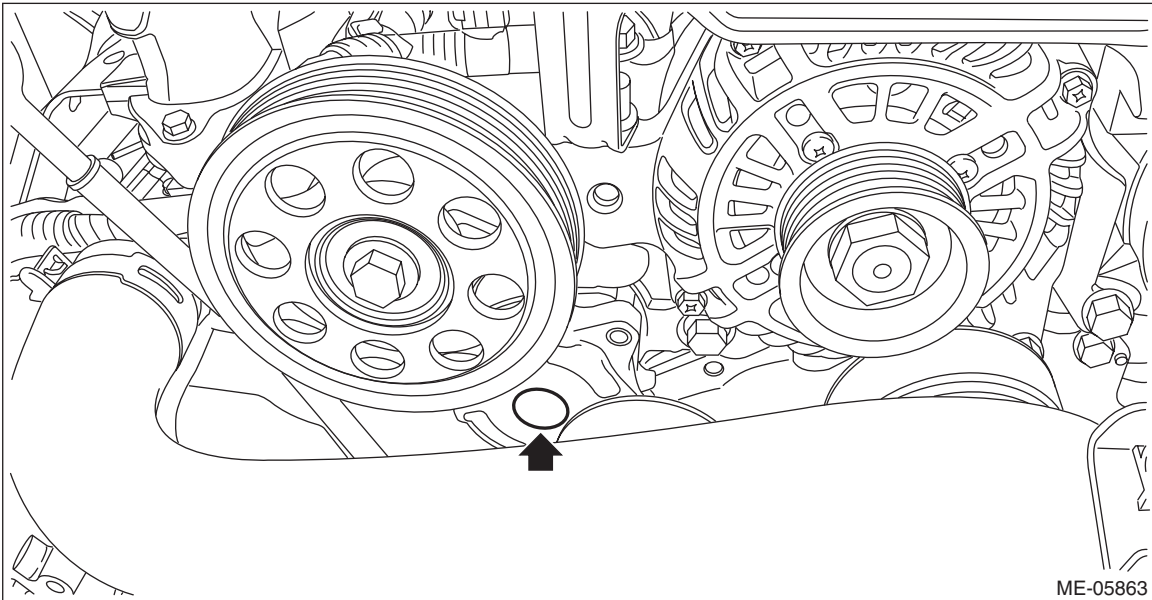


# V-belt

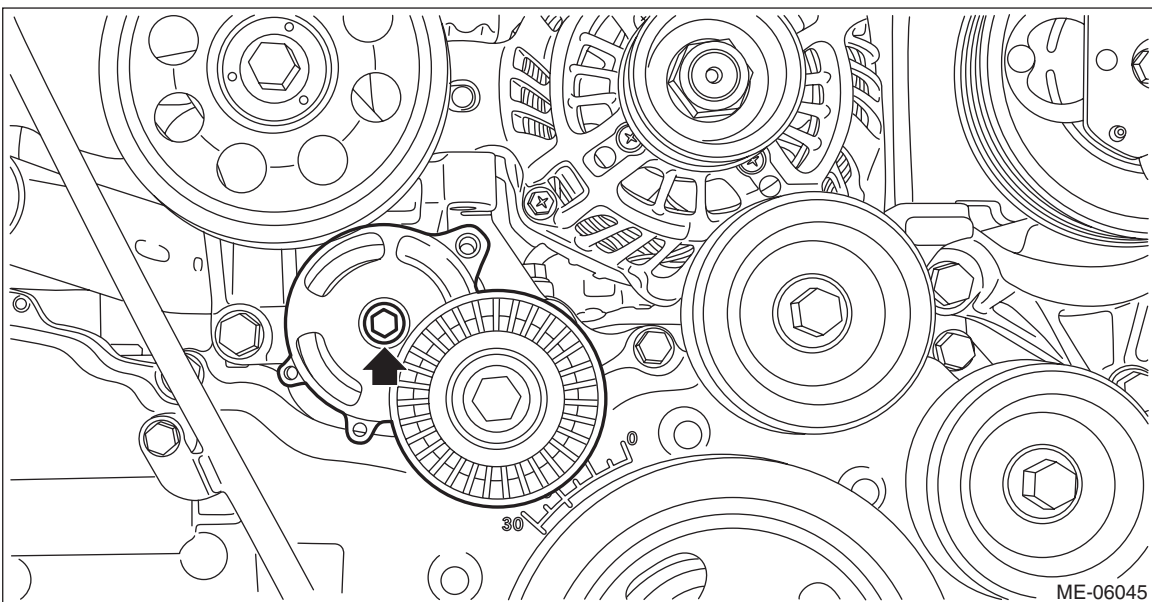
## MECHANICAL

### 2. V-BELT TENSIONER ASSEMBLY AND IDLER PULLEY

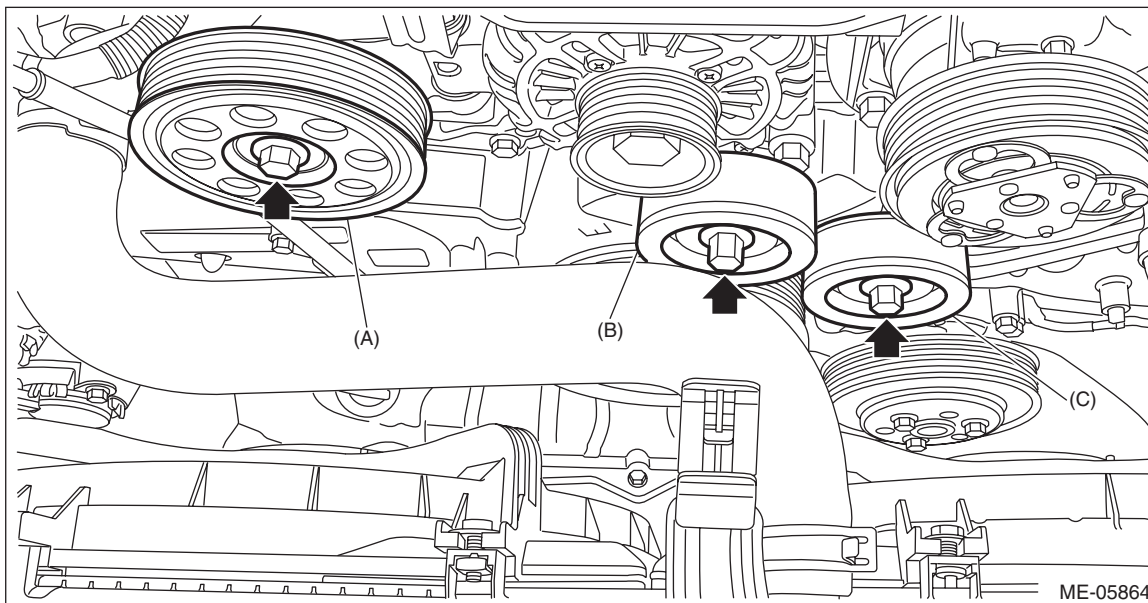
- 1) Remove the V-belts. <Ref. to ME(H4DO)-75, V-BELT, REMOVAL, V-belt.>
- 2) Remove the cap from V-belt tensioner assembly.



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



4) Remove the bolts which secure the idler pulley to the generator bracket and chain cover, and remove the idler pulley.



(A) Idler pulley A

(B) Idler pulley B

(C) Idler pulley C

## B: INSTALLATION

### 1. V-BELT

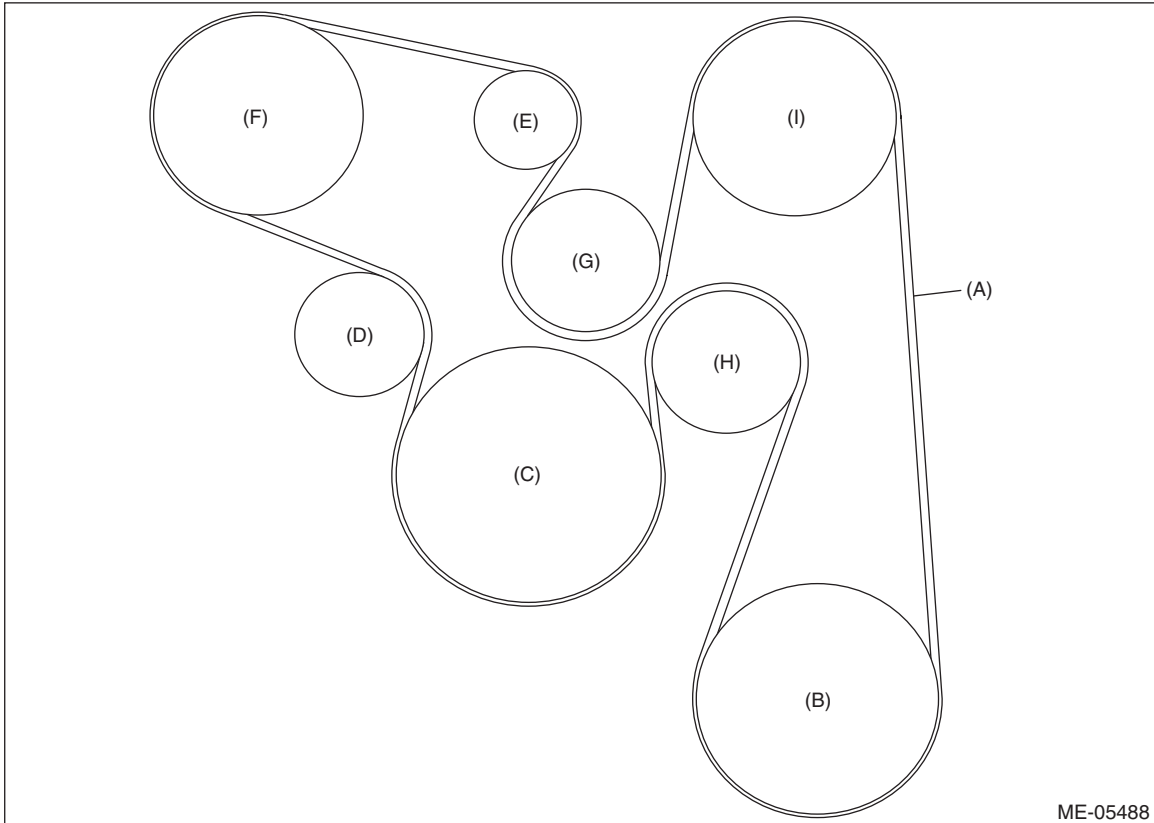
Install in the reverse order of removal.

# V-belt

## MECHANICAL

### CAUTION:

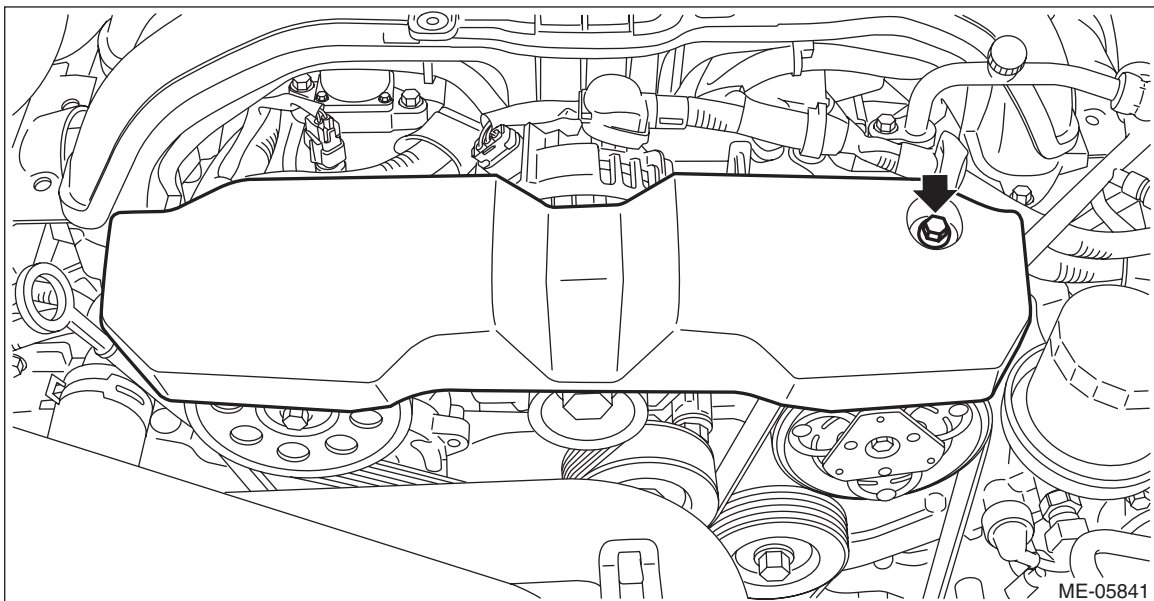
- When reusing the V-belt, wipe off dust and water with cloth.
- Do not use the V-belt if there is any oil, grease or coolant on the belt.
- Be careful not to rub the V-belt end surface with bare hands; exposed core may cause injury.
- Wipe off any dust, oil and water on the groove of each pulley with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



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

### Tightening torque:

**13 N·m (1.3 kgf·m, 9.6 ft·lb)**

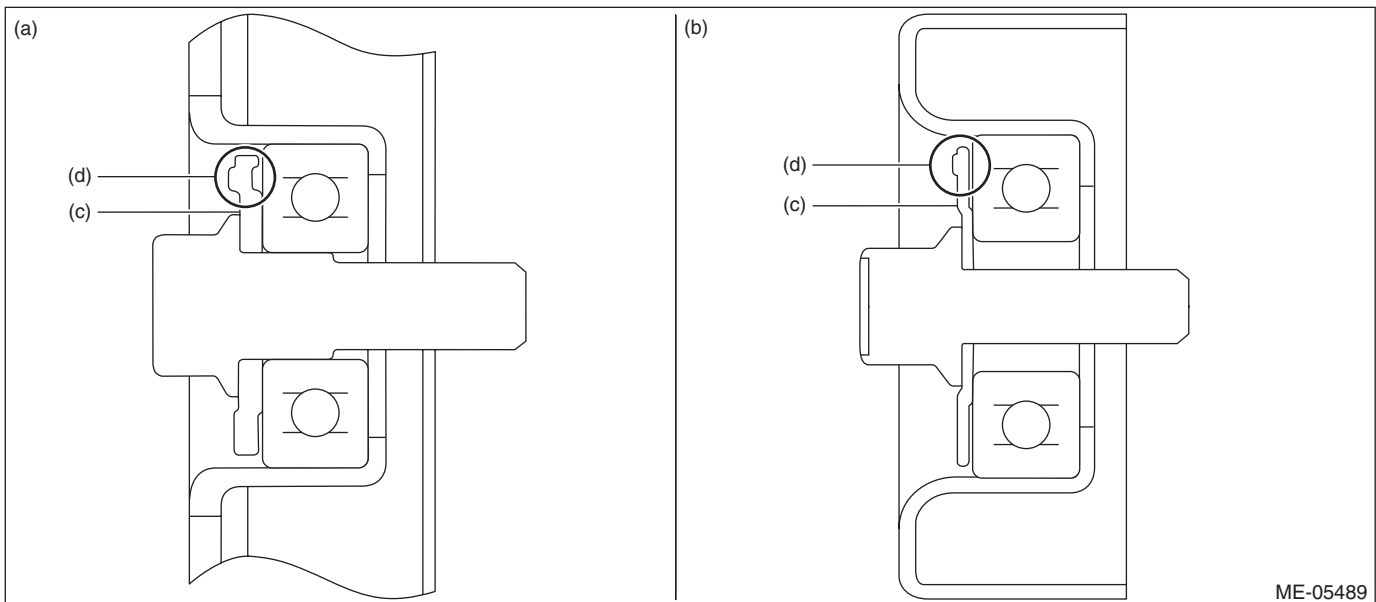


## 2. V-BELT TENSIONER ASSEMBLY AND IDLER PULLEY

1) Install the idler pulley to the generator bracket and chain cover.

NOTE:

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



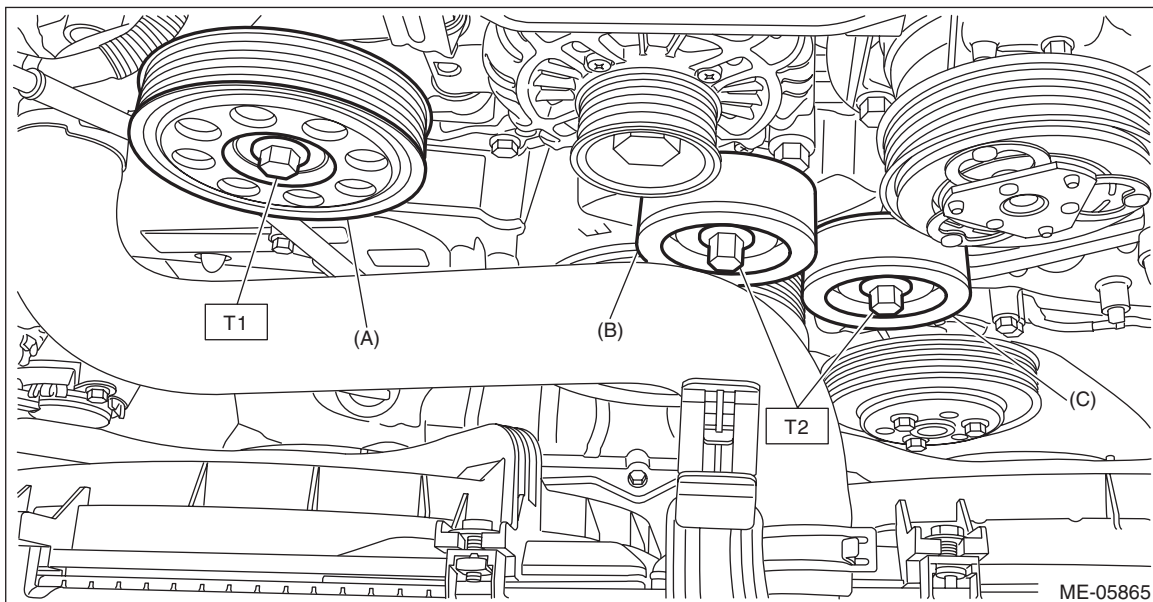
ME-05489

- (a) Generator bracket part
- (b) Chain cover part
- (c) Idler pulley cover
- (d) Protrusion (3 places)

**Tightening torque:**

**T1: 25 N·m (2.5 kgf-m, 18.4 ft-lb)**

**T2: 36 N·m (3.7 kgf-m, 26.6 ft-lb)**



ME-05865

- (A) Idler pulley A
- (B) Idler pulley B
- (C) Idler pulley C

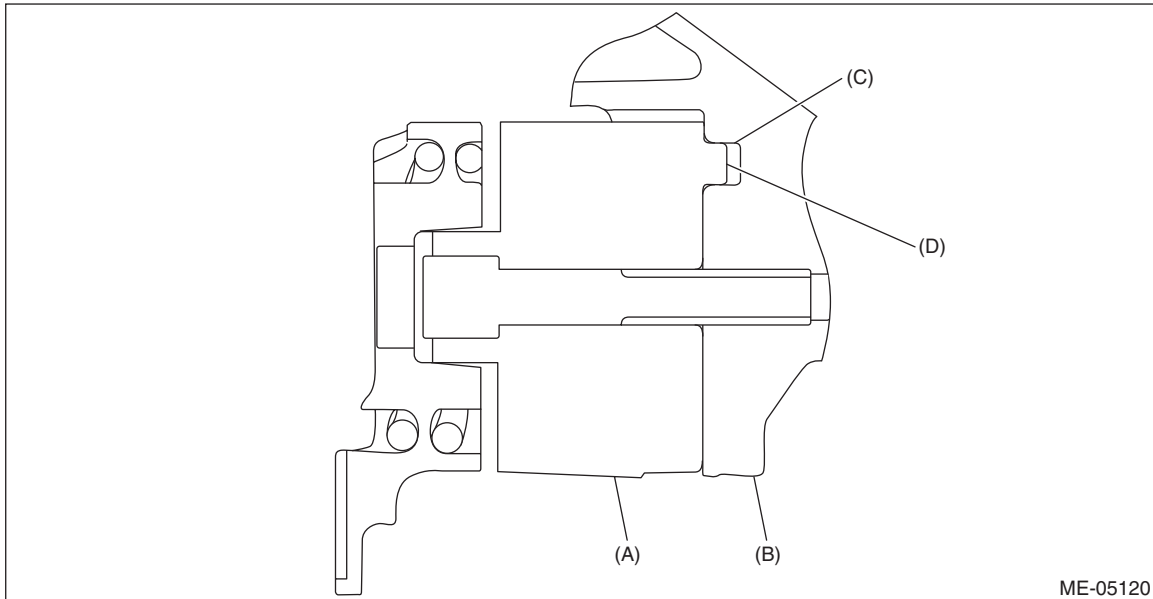
# V-belt

## MECHANICAL

2) Install the V-belt tensioner assembly onto the generator bracket.

### 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

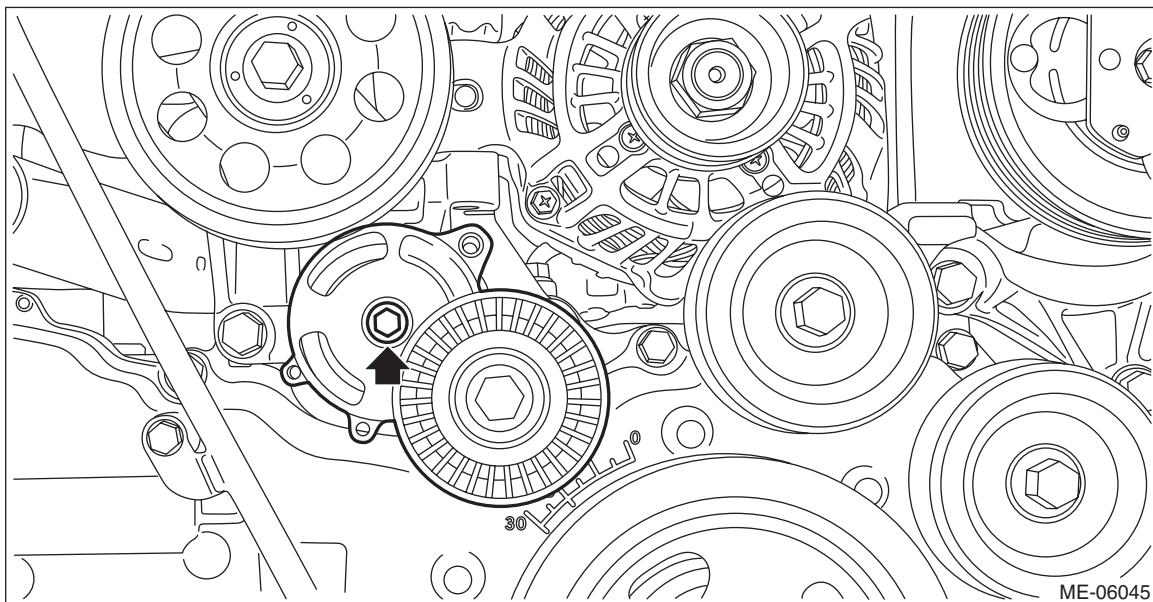
(C) Hole to prevent rotation

(D) Protrusion portion

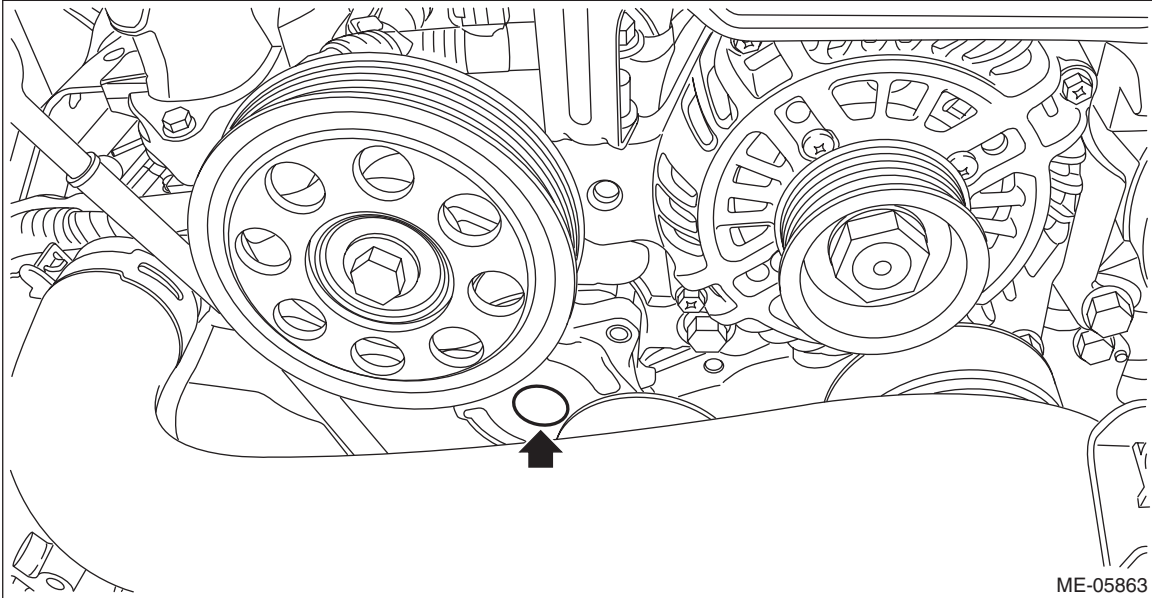
(B) Generator bracket

### Tightening torque:

**25 N·m (2.5 kgf-m, 18.4 ft-lb)**



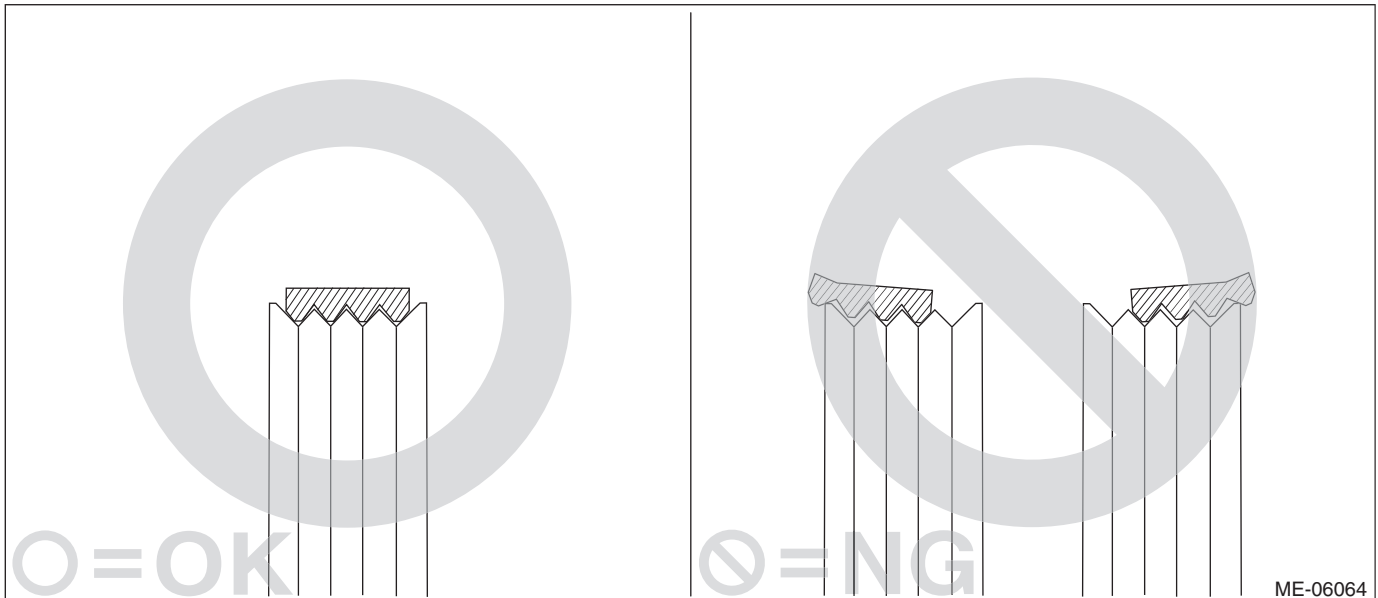
3) Install the cap to the V-belt tensioner assembly.



4) Install the V-belts. <Ref. to ME(H4DO)-77, 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.



# 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).

