

## 6. V-belt

### A: INSPECTION

#### 1. 2.5 L NON-TURBO AND 2.5 L TURBO MODEL

- 1) Replace the belts if cracks, fraying or wear are found.
- 2) Check the V-belt tension and adjust it if necessary by changing the generator installing position or idler pulley installing position. <Ref. to PM-14, REPLACEMENT, V-belt.>

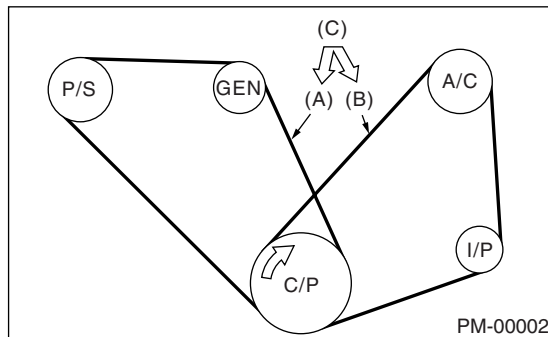
#### **Belt tension (without belt tension gauge):**

(A)

**When installing new part: 7 — 9 mm**  
**(0.276 — 0.354 in)**  
**At inspection: 9 — 11 mm**  
**(0.354 — 0.433 in)**

(B)

**When installing new part: 7.5 — 8.5 mm**  
**(0.295 — 0.335 in)**  
**At inspection: 9.0 — 10.0 mm**  
**(0.354 — 0.394 in)**



(A) Front side belt

(B) Rear side belt

C/P Crank pulley

GEN Generator

P/S Power steering oil pump pulley

A/C A/C compressor pulley

I/P Idler pulley

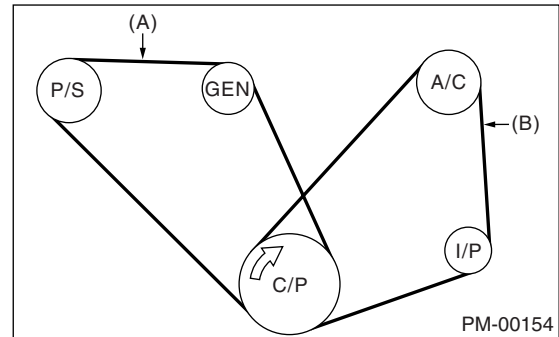
#### **Belt tension (with belt tension gauge):**

(A)

**When installing new part: 640 — 785 N**  
**(65.3 — 80.0 kgf, 144 — 176 lbf)**  
**At inspection: 490 — 640 N**  
**(50 — 65 kgf, 110 — 144 lbf)**

(B)

**When installing new part: 620 — 760 N**  
**(63 — 77 kgf, 140 — 170 lbf)**  
**At inspection: 350 — 450 N**  
**(36 — 46 kgf, 79 — 101 lbf)**



(A) Front side belt

(B) Rear side belt

C/P Crank pulley

GEN Generator

P/S Power steering oil pump pulley

A/C A/C compressor pulley

I/P Idler pulley

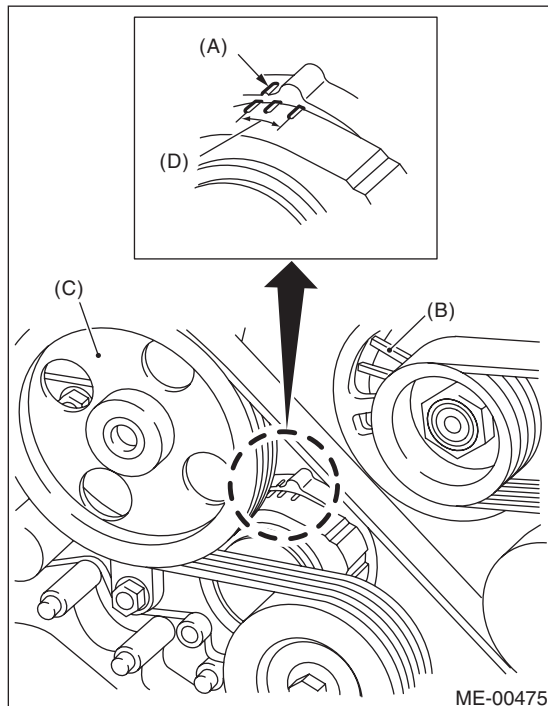
#### 2. 3.0 L MODEL

- 1) Replace the belts if cracks, fraying or wear are found.

## V-belt

### PERIODIC MAINTENANCE SERVICES

2) Check that the V-belt automatic belt tensioner indicator (A) is within the range (D).



- (A) Indicator
- (B) Generator
- (C) Power steering oil pump
- (D) Service limit

## B: REPLACEMENT

### 1. FRONT SIDE BELT (FOR POWER STEERING OIL PUMP AND GENERATOR)

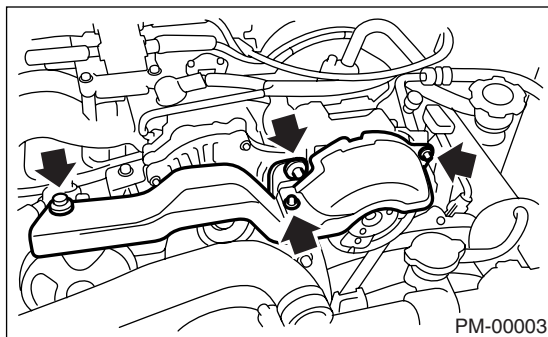
#### NOTE:

Wipe off any oil and water on the belt and pulley.

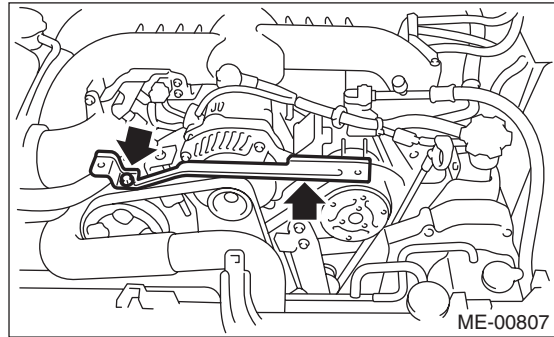
1) Remove the collector cover. (If equipped)

2) Remove the V-belt covers.

- 2.5 L non-turbo model



- 2.5 L turbo model



- 3) Loosen the lock bolt (A).
- 4) Loosen the slider bolt (B).
- 5) Remove the front side belt (C).
- 6) Install a new V-belt, and tighten the slider bolt so as to obtain the specified belt tension.
- 7) Tighten the lock bolt (A).
- 8) Tighten the slider bolt (B).

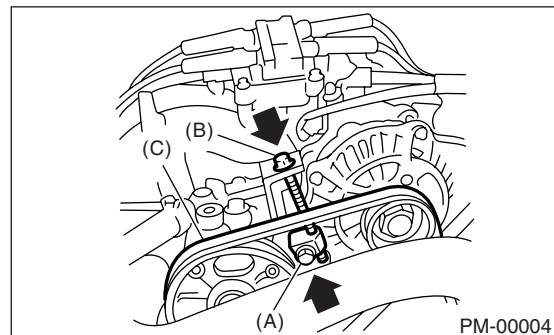
#### Tightening torque:

##### Lock bolt

**25 N·m (2.5 kgf-m, 18.1 ft-lb)**

##### Slider bolt

**8 N·m (0.8 kgf-m, 5.8 ft-lb)**



### 2. REAR SIDE BELT (FOR A/C)

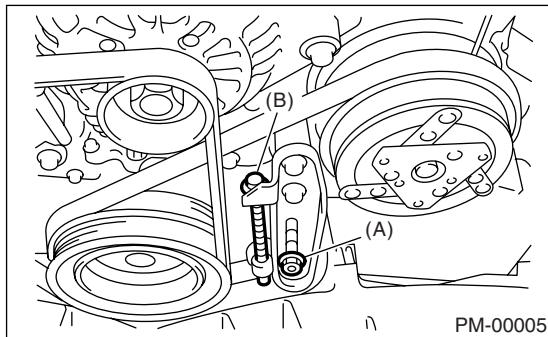
#### NOTE:

Wipe off any oil and water on the belt and pulley.

- 1) Remove the front side belts.
- 2) Loosen the lock nut (A).
- 3) Loosen the slider bolt (B).
- 4) Remove the rear side belt.
- 5) Install a new V-belt, and tighten the slider bolt so as to obtain the specified belt tension.
- 6) Tighten the lock nut (A).

#### Tightening torque:

**23 N·m (2.3 kgf-m, 17.0 ft-lb)**

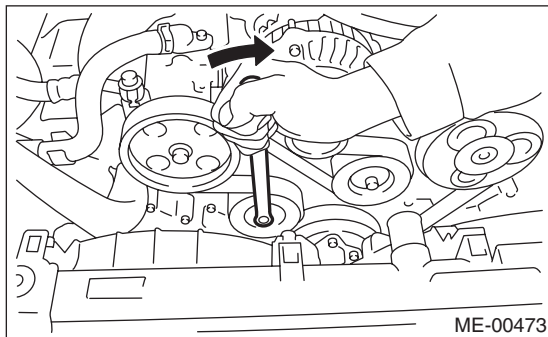


- 7) Install the front side belt.

- 2.5 L non-turbo model <Ref. to ME(H4SO)-37, FRONT SIDE BELT, INSTALLATION, V-belt.>
- 2.5 L turbo model <Ref. to ME(H4DOTC)-38, FRONT SIDE BELT, INSTALLATION, V-belt.>

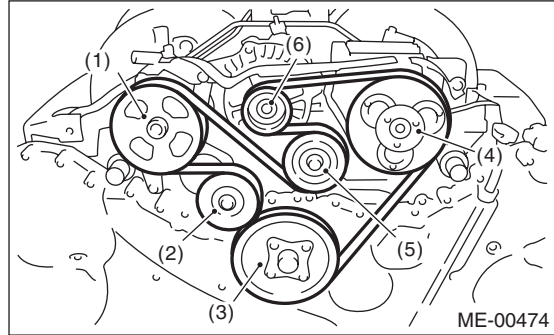
### 3. 3.0 L MODEL

- 1) Fit the tool to the belt tensioner mounting bolt.
- 2) Turn the tool clockwise, and loosen the V-belt to remove.



- 3) Remove the V-belt cover.

- 4) Install in the reverse order of removal.



- (1) Power steering oil pump
- (2) Belt tension adjuster
- (3) Crank pulley
- (4) A/C compressor
- (5) Belt idler
- (6) Generator