

## 6. V-belt

### A: INSPECTION

#### 1. WITHOUT USING BELT TENSION GAUGE

- 1) Replace the belts, if cracks, fraying or wear is found.
- 2) Check the V-belt tension and adjust it if necessary by changing the generator installing position and/or idler pulley installing position. <Ref. to PM-9, REPLACEMENT, V-belt.>

#### Belt tension

(A)

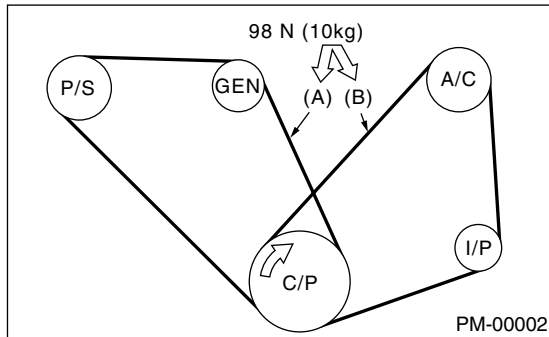
**Replaced: 7 — 9 mm (0.276 — 0.354 in)**

**Reused: 9 — 11 mm (0.354 — 0.433 in)**

(B)

**Replaced: 7.5 — 8.5 mm (0.295 — 0.335 in)**

**Reused: 9.0 — 10.0 mm (0.354 — 0.394 in)**



- (A) Front side belt
- (B) Rear side belt
- C/P Crankshaft pulley
- GEN Generator
- P/S Power steering oil pump pulley
- A/C Air conditioning compressor pulley
- I/P Idler pulley

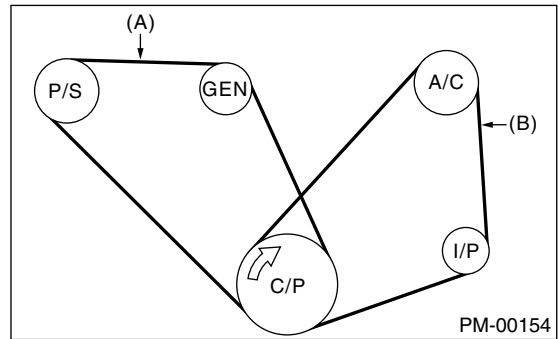
#### 2. WITH USING BELT TENSION GAUGE

- 1) Replace the belts, if cracks, fraying or wear is found.
- 2) Remove the V-belt cover and radiator reservoir tank.
- 3) Check the belt tension using belt tension gauge. And adjust it if necessary by changing the generator installing position and/or idler pulley installing position.

#### Belt tension

(A) 490 — 640 N (50 — 65 kgf, 110 — 144 lb)

(B) 350 — 450 N (36 — 46 kgf, 79 — 101 lb)



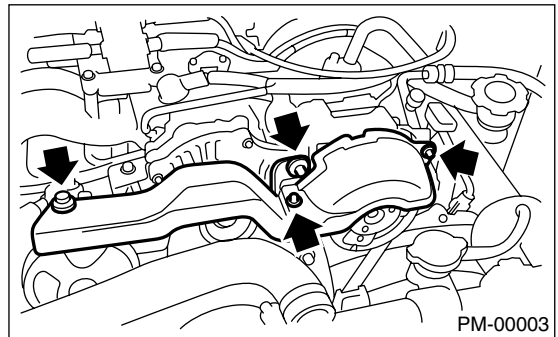
- (A) Front side belt
- (B) Rear side belt
- C/P Crank pulley
- GEN Generator
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### B: REPLACEMENT

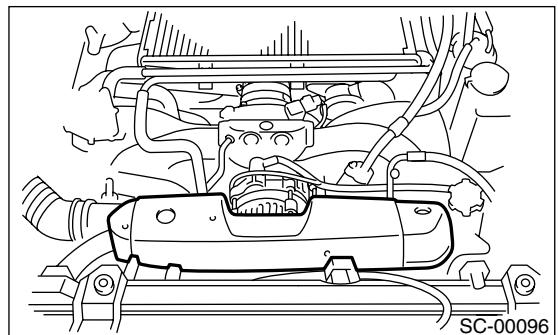
#### 1. V-BELT COVER

Remove the V-belt cover.

NON-TURBO MODEL



TURBO MODEL



# V-BELT

## PERIODIC MAINTENANCE SERVICES

### 2. FRONT SIDE BELT (DRIVING POWER STEERING OIL PUMP AND GENERATOR)

#### NOTE:

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

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

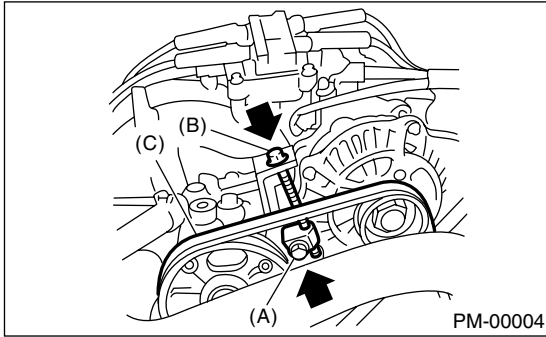
#### Tightening torque:

##### Lock bolt:

**25 N·m (2.5 kgf-m, 18 ft-lb)**

##### Slider bolt:

**8 N·m (0.8 kgf-m, 5.8 ft-lb)**



- 7) Idle the engine for approx. 5 min. to normalize the V-belt. (With using tension gauge)
- 8) Stop the engine, and then check the belt tension and adjust it. (With using tension gauge)
- 9) Idle the engine for approx. 1 min. to normalize the V-belt. (With using tension gauge)
- 10) Stop the engine, and then check the belt tension is within specified value. (With using tension gauge)
- 11) Adjust the belt tension until the value within specification. (With using tension gauge)

### 3. REAR SIDE BELT (DRIVING AIR CONDITIONER)

#### NOTE:

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

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

- 7) Install the front side belt.

Non-turbo model

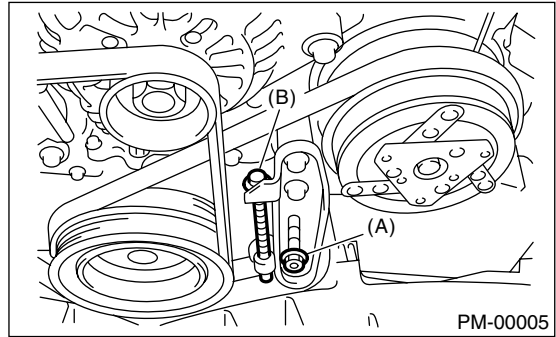
<Ref. to ME(H4SO)-40, FRONT SIDE BELT, INSTALLATION, V-belt.>

Turbo model

<Ref. to ME(H4DOTC)-41, FRONT SIDE BELT, INSTALLATION, V-belt.>

#### Tightening torque:

**23 N·m (2.3 kgf-m, 17.0 ft-lb)**



- 8) Idle the engine for approx. 5 min. to normalize the V-belt. (With using tension gauge)
- 9) Stop the engine, and then check the belt tension and adjust it. (With using tension gauge)
- 10) Idle the engine for approx. 1 min. to normalize the V-belt. (With using tension gauge)
- 11) Stop the engine, and then check the belt tension is within specified value. (With using tension gauge)
- 12) Adjust the belt tension until the value within specification. (With using tension gauge)