

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-15, REPLACEMENT, V-belt.>

Belt tension (without belt tension gauge):

(A)

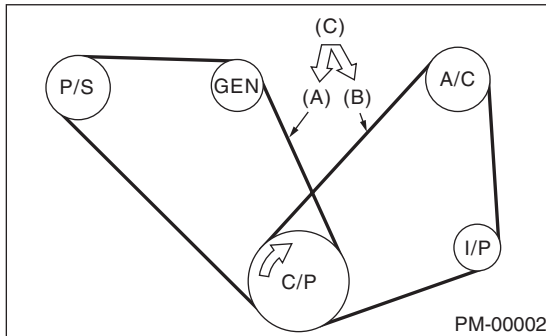
When installing new part: 7 — 9 mm (0.276 — 0.354 in)

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)

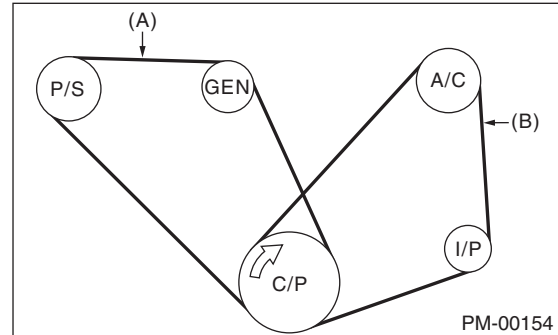
When installing new part: 640 — 785 N (65.3 — 80.0 kgf, 144 — 176 lbf)

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)

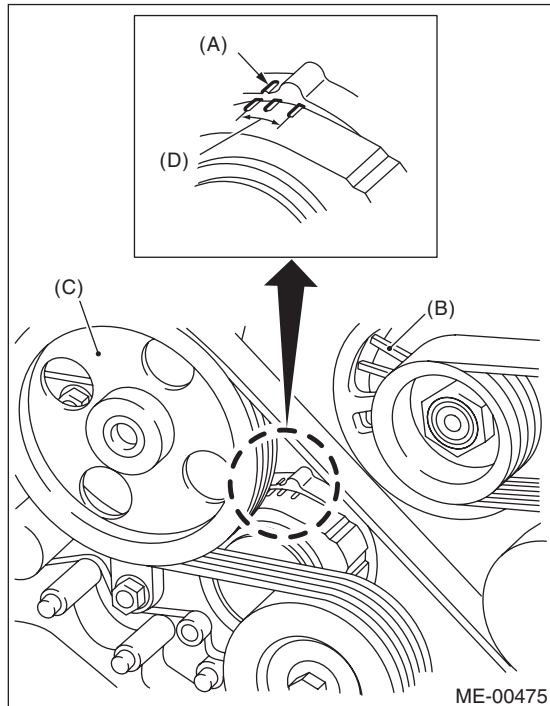
At inspection: 350 — 450 N (36 — 46 kgf, 79 — 101 lbf)



- (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.
- 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

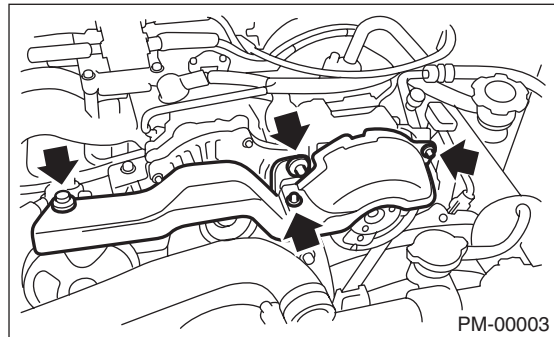
B: REPLACEMENT

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

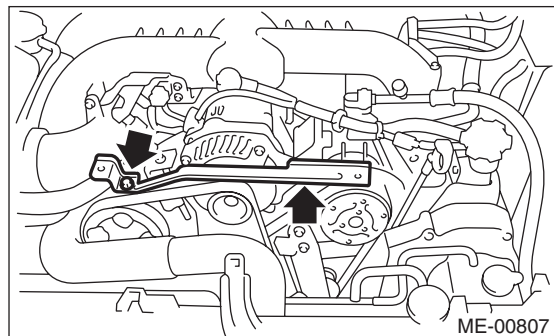
NOTE:

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).

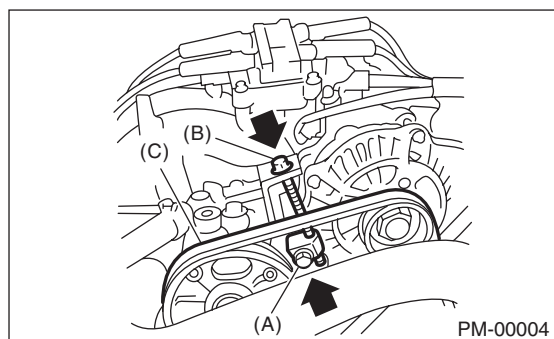
Tightening torque:

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)



V-belt

PERIODIC MAINTENANCE SERVICES

2. REAR SIDE BELT (FOR A/C)

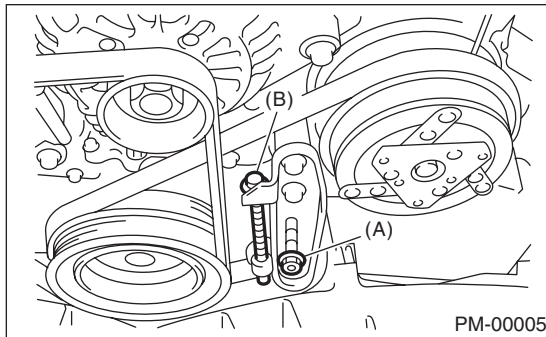
NOTE:

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)

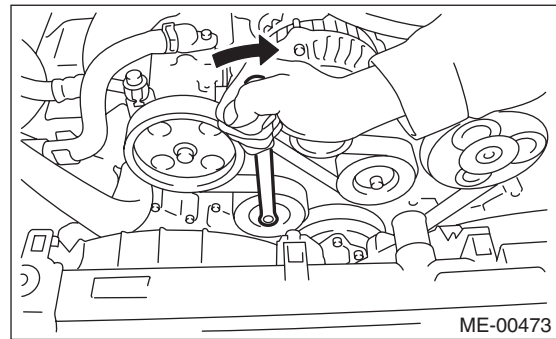


- 7) Install the front side belt.

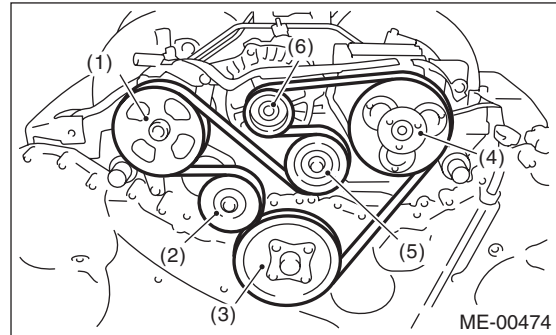
- 2.5 L non-turbo model <Ref. to ME(H4SO)-36, FRONT SIDE BELT, INSTALLATION, V-belt.>
- 2.5 L turbo model <Ref. to ME(H4DOTC)-37, FRONT SIDE BELT, INSTALLATION, V-belt.>

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