

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)

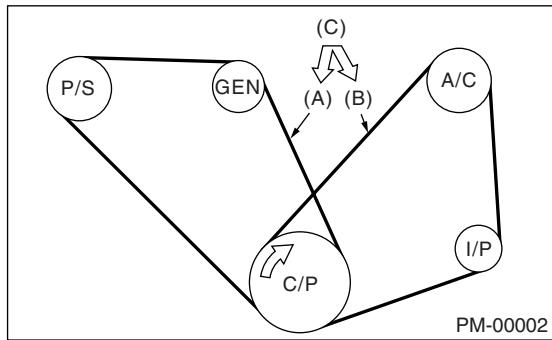
*When installing new part: 7 — 9 mm
(0.276 — 0.354 in)*

*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)

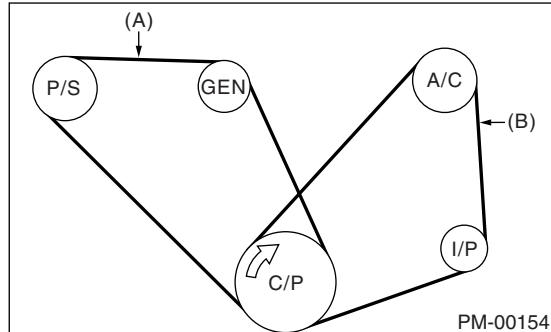
*When installing new part: 640 — 785 N
(65.3 — 80.0 kgf, 144 — 176 lbf)*

*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

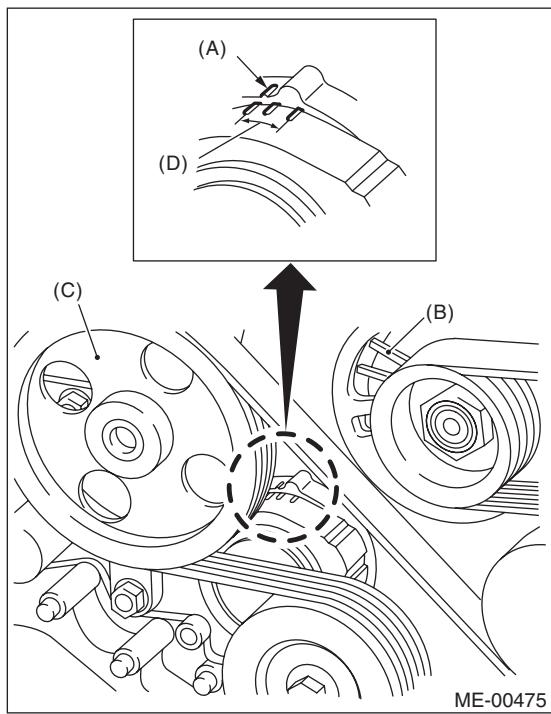
I/P Idler pulley

2. 3.0 L MODEL

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

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

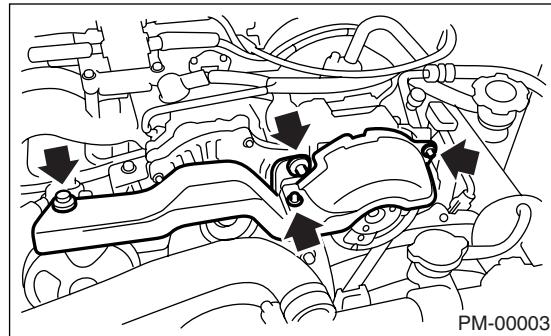
B: REPLACEMENT

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

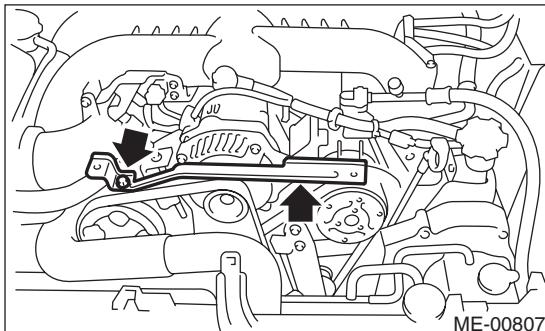
NOTE:

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).

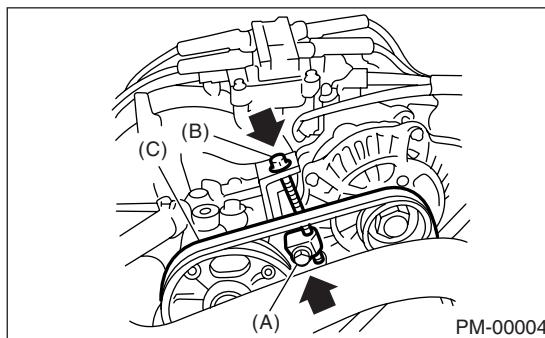
Tightening torque:

Lock bolt

$25 \text{ N}\cdot\text{m} (2.5 \text{ kgf}\cdot\text{m}, 18.1 \text{ ft-lb})$

Slider bolt

$8 \text{ N}\cdot\text{m} (0.8 \text{ kgf}\cdot\text{m}, 5.8 \text{ ft-lb})$



2. REAR SIDE BELT (FOR A/C)

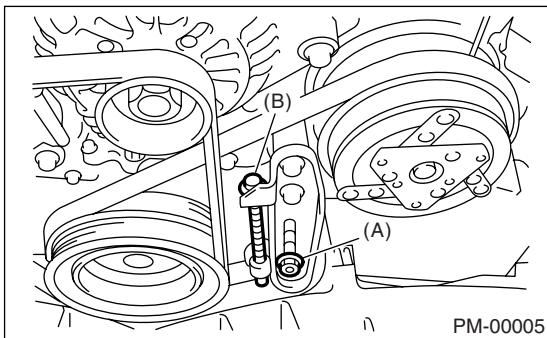
NOTE:

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

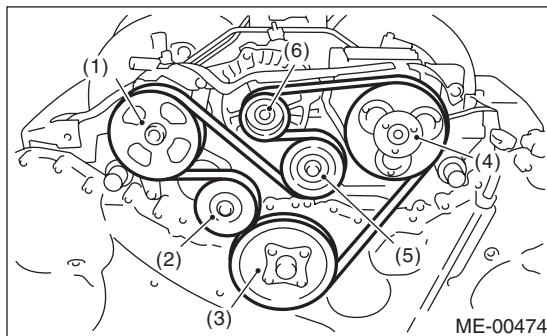
- 1) Remove the front side belts.
- 2) Loosen the lock nut (A).
- 3) Loosen the slider bolt (B).
- 4) Remove the rear side belt.
- 5) Install a new V-belt, and tighten the slider bolt so as to obtain the specified belt tension.
- 6) Tighten the lock nut (A).

Tightening torque:

23 N·m (2.3 kgf·m, 17.0 ft·lb)



- 4) Install in the reverse order of removal.



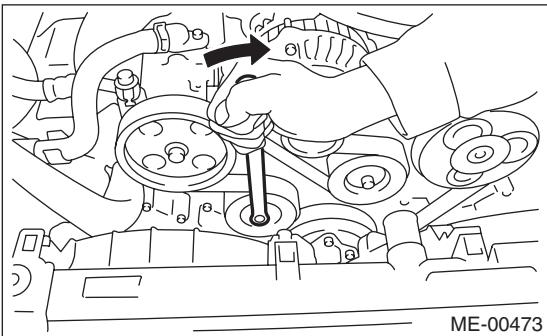
- (1) Power steering oil pump
- (2) Belt tension adjuster
- (3) Crank pulley
- (4) A/C compressor
- (5) Belt idler
- (6) Generator

- 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.