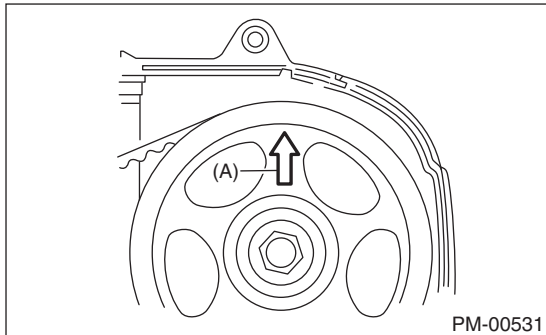


7. Timing Belt

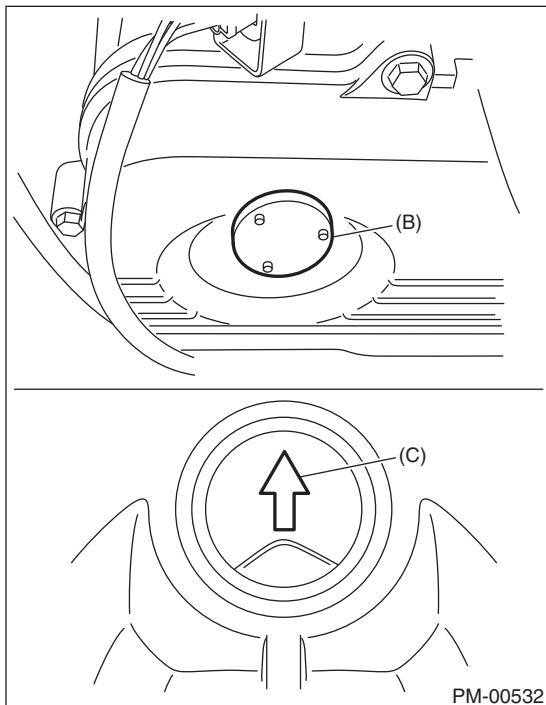
A: INSPECTION

1. SOHC MODEL (INSPECTION OF TIMING BELT POSITION)

- 1) Remove the timing belt cover (LH).
- 2) Rotate the crank pulley to set #1 cylinder piston to top dead center of compression stroke and check the followings.
 - (1) Confirm that the arrow (A) of camshaft pulley LH points in an upward direction.



- (2) Remove the sealing rubber (B) of timing belt cover RH.
- (3) Confirm that the arrow (C) of camshaft pulley RH points in an upward direction.



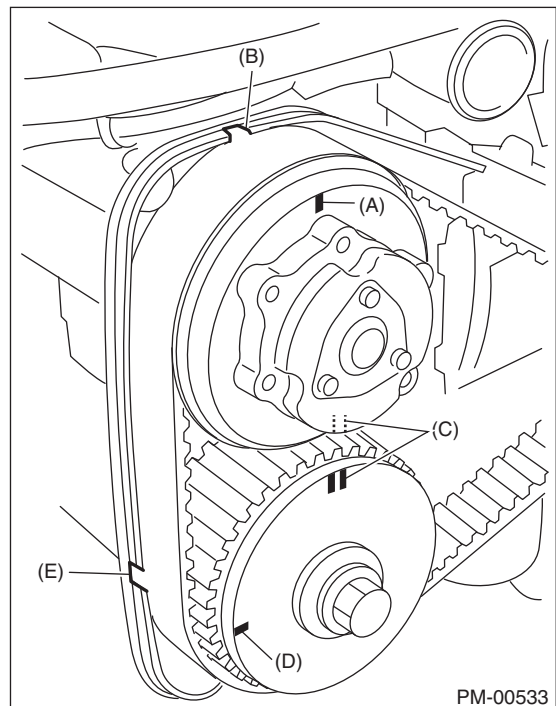
- 3) If the camshaft pulley or timing belt position is not appropriate, check the faulty part and repair or replace as required.

2. SOHC MODEL (OTHER INSPECTIONS)

- 1) Remove the front timing belt cover and timing belt cover (LH).
- 2) While cranking engine at least four rotations, check the timing belt back surface for cracks or damage. Replace the faulty timing belt with new part as needed.
- 3) When the side part of timing belt is abnormally worn (fluff or jumping out of core) or damaged, check the idlers, tensioner, water pump pulley and cam sprocket to determine idler alignment (squareness). Replace the worn timing belt with new part.
- 4) Install the front timing belt cover and timing belt cover (LH).

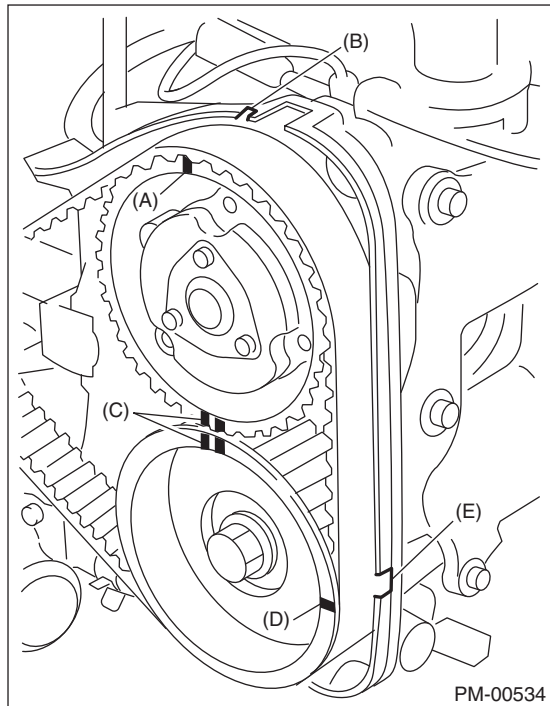
3. DOHC MODEL (INSPECTION OF TIMING BELT POSITION)

- 1) Remove the timing belt cover (LH) and (RH).
- 2) Rotate the crank pulley to align single line mark (A) on the intake camshaft pulley RH with notch (B) on timing belt cover and check the followings.
 - (1) Confirm that the double line marks (C) on intake camshaft pulley RH and exhaust camshaft pulley RH are aligned.
 - (2) Confirm that the single line mark (D) on exhaust camshaft pulley RH and notch (E) on timing belt cover are aligned.



- (3) Confirm that the single line mark (A) on intake camshaft pulley LH and notch (B) on timing belt cover are aligned.
- (4) Confirm that the double line marks (C) on intake camshaft pulley LH and exhaust camshaft pulley LH are aligned.

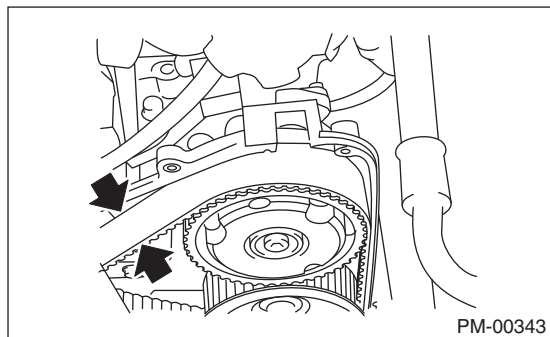
- (5) Confirm that the single line mark (D) on exhaust camshaft pulley LH and notch (E) on timing belt cover are aligned.



- 3) If the camshaft pulley position is not appropriate, check the faulty part and repair or replace as required.

4. DOHC MODEL (OTHER INSPECTIONS)

- 1) Remove the timing belt cover (LH).
- 2) While cranking engine at least four rotations, check the timing belt back surface for cracks or damage. Replace the faulty timing belt with new part as needed.
- 3) When the side part of timing belt (arrow direction shown in the figure) is abnormally worn (fluff or jumping out of core) or damaged, check the idlers, tensioner, water pump pulley and cam sprocket to determine idler alignment (squareness). Replace the worn timing belt with new part.



- 4) Install the timing belt cover (LH).

B: REPLACEMENT

Refer to “ME” section for timing belt replacement.
<Ref. to ME(H4SO)-47, Timing Belt.> <Ref. to ME(H4DOTC)-51, Timing Belt.>