

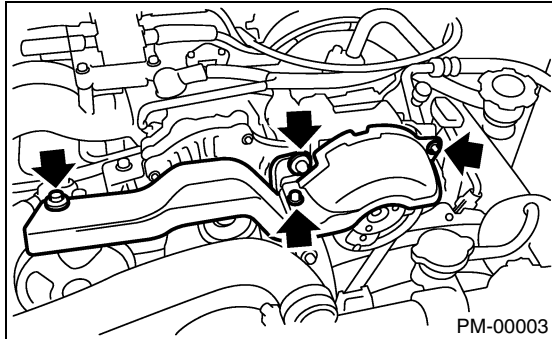
7. Camshaft Drive Belt

A: REPLACEMENT

1. NON-TURBO MODEL

1) Remove the radiator fan <Ref. to CO(H4SO)-47, Radiator Main Fan and Fan Motor.> and air conditioner fan. <Ref. to CO(H4SO)-49, Radiator Sub Fan and Fan Motor.>

2) Remove the V-belt cover.

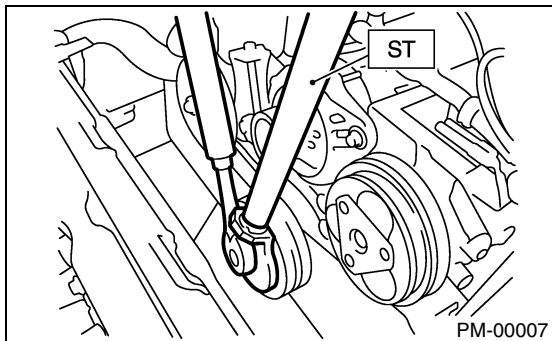


3) Remove the V-belts. <Ref. to ME(H4SO)-42, V-belt.>

4) Remove the air conditioning compressor drive belt tensioner.

5) Remove the pulley bolt. To lock crankshaft use ST.

ST 499977100 CRANKSHAFT PULLEY WRENCH

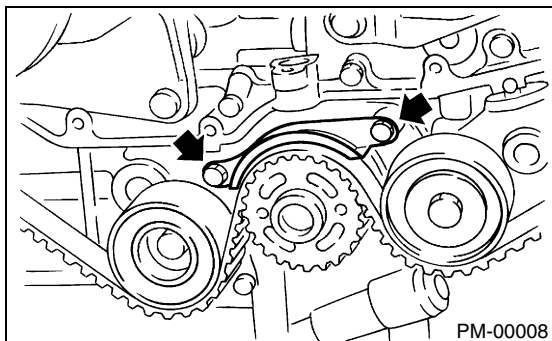


6) Remove the crankshaft pulley.

7) Remove the left side belt cover.

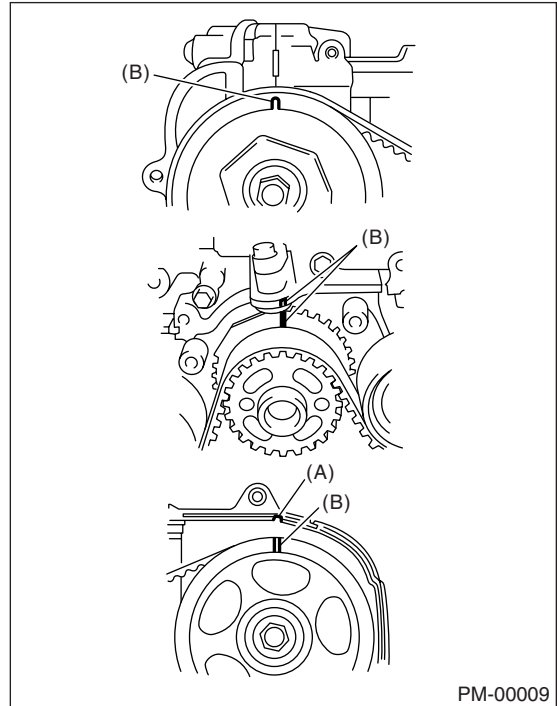
8) Remove the front belt cover.

9) Remove the timing belt guide. (MT vehicle only)



10) Turn the crankshaft and align alignment marks on crankshaft, and left and right camshaft sprockets with notches of belt cover and cylinder block:

ST 499987500 CRANKSHAFT SOCKET

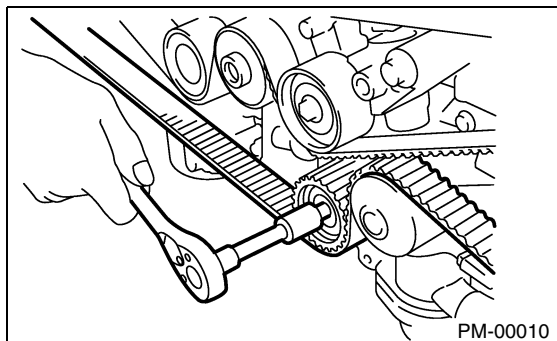


(A) Notch

(B) Alignment mark

11) Remove the belt idler.

12) Remove the belt idler (No. 2).

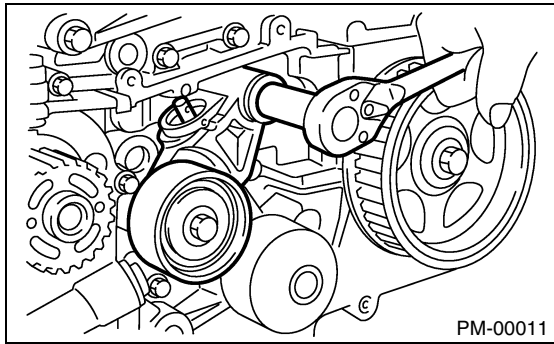


13) Remove the timing belt.

14) Remove the automatic belt tension adjuster assembly.

CAMSHAFT DRIVE BELT

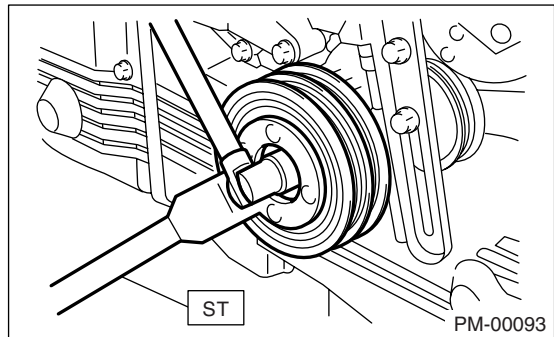
PERIODIC MAINTENANCE SERVICES



2. TURBO MODEL

- 1) Remove the radiator fan and air conditioner fan. <Ref. to CO(H4SO)-47, Radiator Main Fan and Fan Motor.> <Ref. to CO(H4SO)-49, Radiator Sub Fan and Fan Motor.>
- 2) Remove the V-belts. <Ref. to ME(H4DOTC)-44, V-belt.>
- 3) Remove the air conditioning compressor drive belt tensioner.
- 4) Remove the pulley bolt. To lock crankshaft use ST.

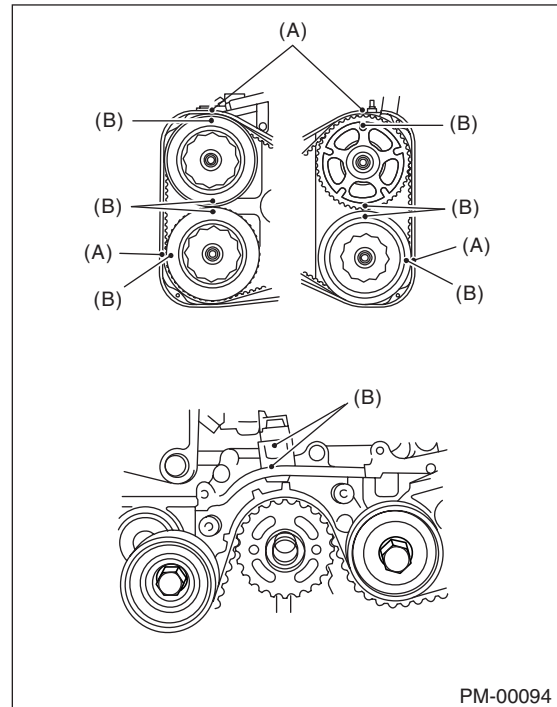
ST 499977400 CRANKSHAFT PULLEY WRENCH



- 5) Remove the crankshaft pulley.
- 6) Remove the air conditioning compressor drive belt tensioner.
- 7) Remove the left side belt cover.
- 8) Remove the right side belt cover.
- 9) Remove the front belt cover.

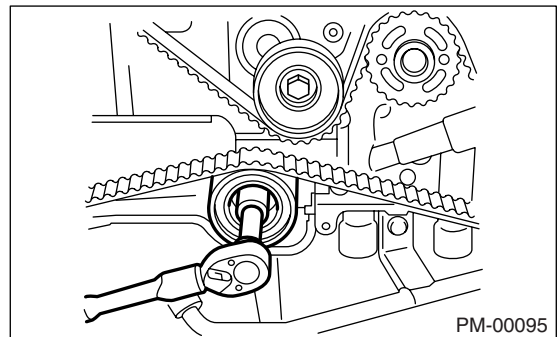
- 10) Turn the crankshaft and align alignment marks on crankshaft, and left and right camshaft sprockets with notches of belt cover and cylinder block. To turn crankshaft, use ST:

ST 499987500 CRANKSHAFT SOCKET



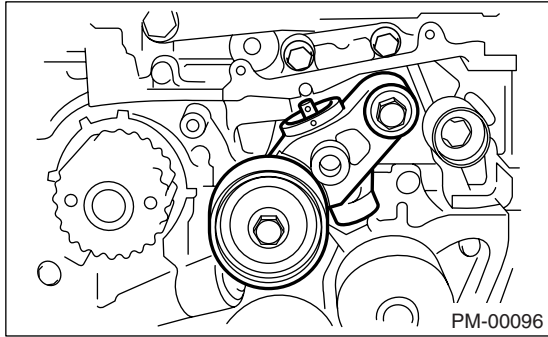
- (A) Notch
(B) Alignment mark

- 11) Remove the belt idler.



- 12) Remove the timing belt.

13) Remove the automatic belt tension adjuster assembly.



B: INSTALLATION

1. NON-TURBO MODEL

To install, reverse order of removal procedures.
<Ref. to ME(H4SO)-46, Timing Belt.>

2. TURBO MODEL

To install, reverse order of removal procedures.
<Ref. to ME(H4DOTC)-48, Timing Belt Assembly.>

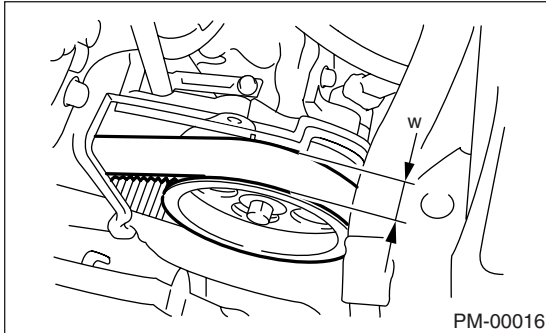
CAUTION:

When installing the timing belt, be sure to align all alignment marks on the belt with corresponding marks on the sprockets. If incorrectly installed, interference between pistons and valves may occur.

C: INSPECTION

1. NON-TURBO MODEL

- 1) Remove 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 as needed.
- 3) Measure the timing belt width W. If it is less than 27 mm (1.06 in), check the idlers, tensioner, water pump pulley and cam sprocket to determine idler alignment (squareness). Replace the worn timing belt.



- 4) Install the left and right timing belt covers.

2. TURBO MODEL

- 1) Install 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 as needed.
- 3) Measure the timing belt width W. If it is less than 30 mm (1.18 in), check the idlers, tensioner, water pump pulley and cam sprocket to determine idler alignment (squareness). Replace the worn timing belt.
- 4) Install the left and right timing belt covers.

