

# CAMSHAFT DRIVE BELT

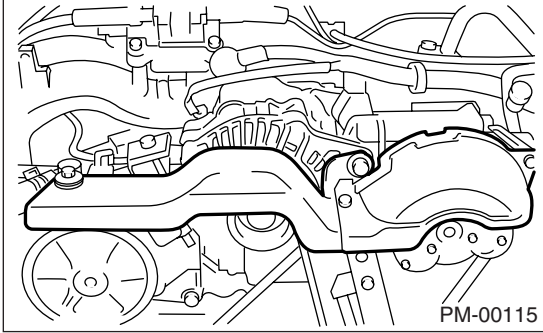
## PERIODIC MAINTENANCE SERVICES

### 7. Camshaft Drive Belt

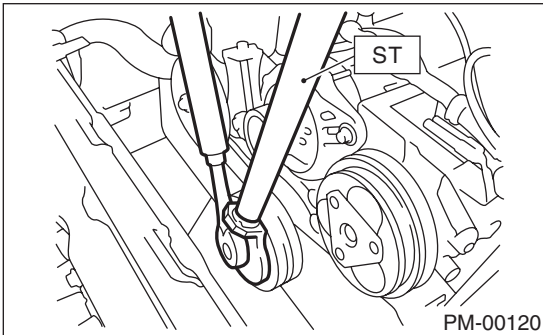
#### A: REPLACEMENT

##### 1. NON-TURBO MODEL

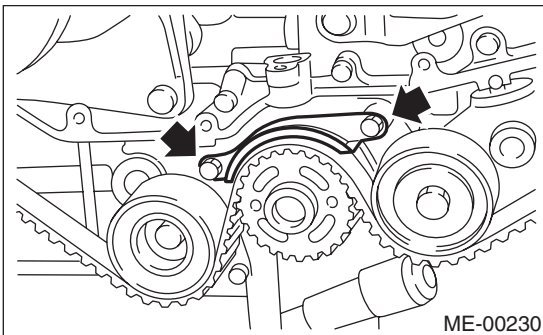
- 1) Remove radiator fan. <Ref. to CO(H4SO)-25, Radiator Main Fan and Fan Motor.> and <Ref. to CO(H4SO)-27, Radiator Sub Fan and Fan Motor.>
- 2) Remove V-belt cover.



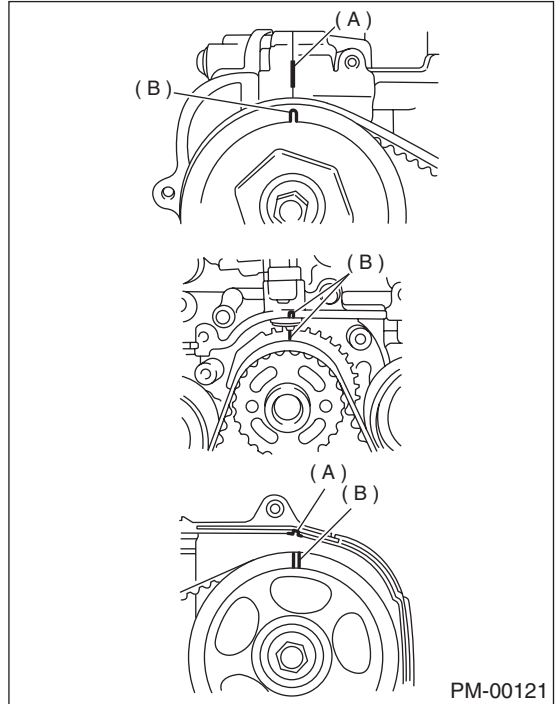
- 3) Remove V-belts. <Ref. to ME(H4SO)-40, V-belt.>
- 4) Remove air conditioning compressor drive belt tensioner.
- 5) Remove pulley bolt. To lock crankshaft use ST. 499977100 CRANKSHAFT PULLEY WRENCH



- 6) Remove crankshaft pulley.
- 7) Remove left side belt cover.
- 8) Remove front belt cover.
- 9) Remove timing belt guide (MT model).

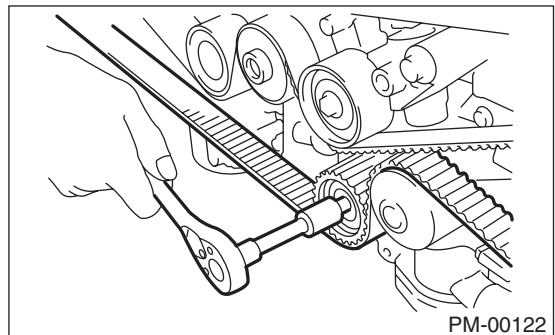


- 10) Turn crankshaft and align alignment marks on crankshaft, and left and right camshaft sprockets with notches of belt cover and cylinder block:  
ST 499987500 CRANKSHAFT SOCKET



- (A) Notch
- (B) Alignment mark

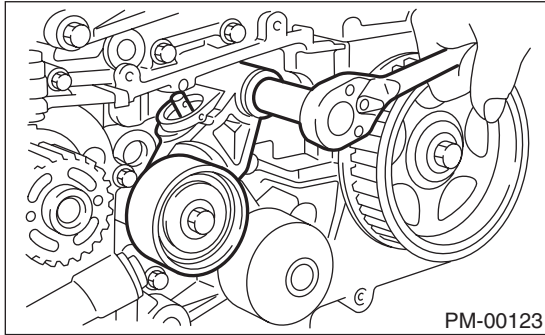
- 11) Remove belt idler.
- 12) Remove belt idler (No. 2).



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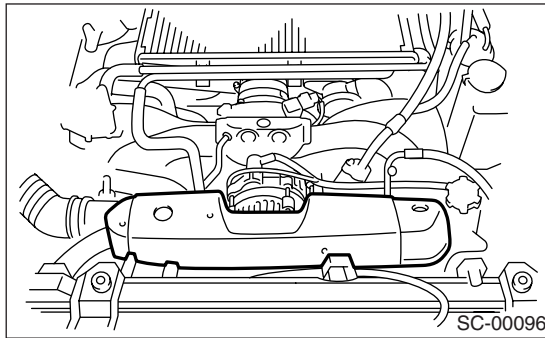
PERIODIC MAINTENANCE SERVICES

- 13) Remove timing belt.
- 14) Remove automatic belt tension adjuster assembly.



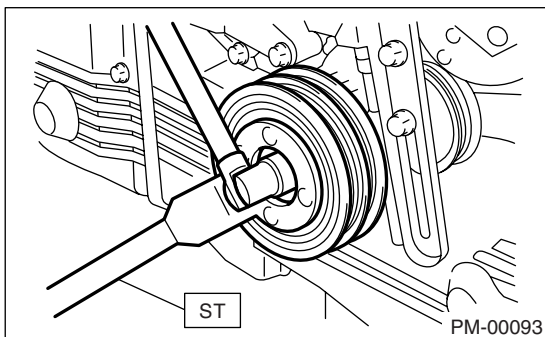
## 2. TURBO MODEL

- 1) Remove the radiator fan and air conditioner fan. <Ref. to CO(H4SO)-25, Radiator Main Fan and Fan Motor.>, <Ref. to CO(H4SO)-27, Radiator Sub Fan and Fan Motor.>
- 2) Use cardboard and blanket to protect the radiator.
- 3) Remove V-belt cover.



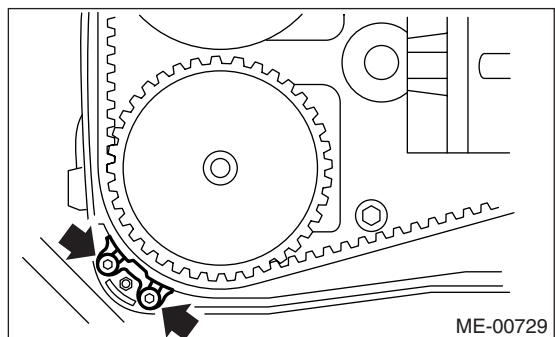
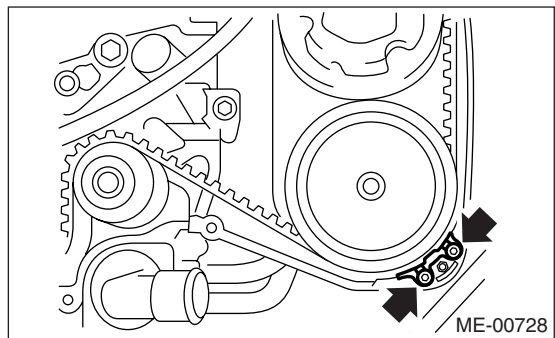
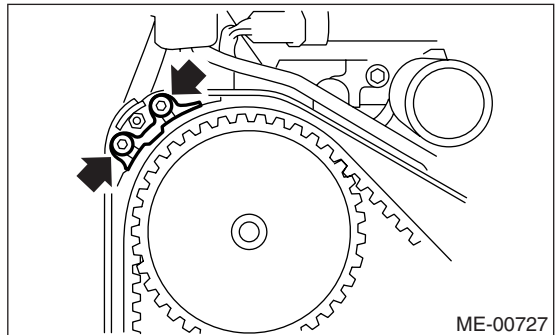
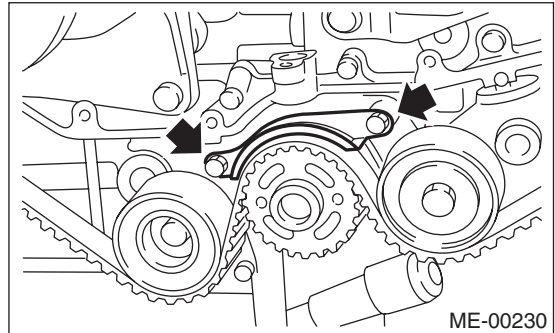
- 4) Remove the V-belts. <Ref. to ME(H4SO)-40, V-belt.>
- 5) Remove the air conditioning compressor drive belt tensioner.
- 6) Remove the pulley bolt. To lock the crankshaft use ST.

ST 499977100 CRANKSHAFT PULLEY WRENCH



- 7) Remove the crankshaft pulley.

- 8) Remove the air conditioning compressor drive belt tensioner.
- 9) Remove the left side belt cover.
- 10) Remove the right side belt cover.
- 11) Remove the front belt cover.
- 12) Remove timing belt guide (MT model).

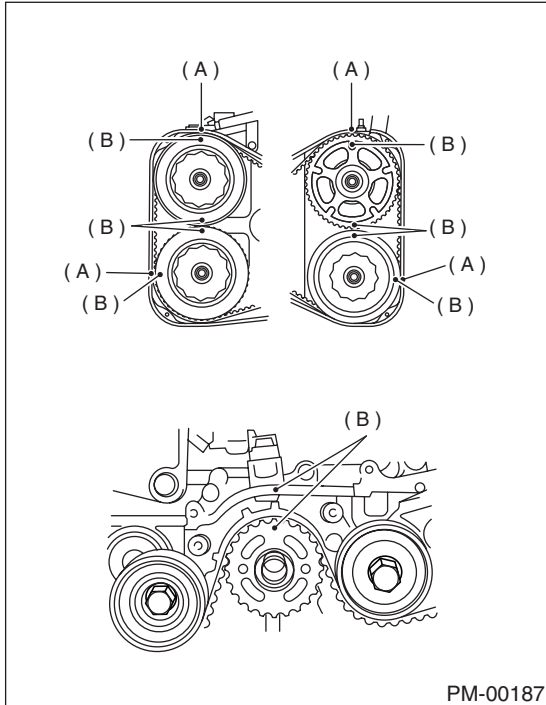


- 13) Turn the crankshaft and align the alignment marks on crankshaft, and left and right camshaft sprockets with notches of belt cover and cylinder block. To turn the crankshaft, use ST:

# CAMSHAFT DRIVE BELT

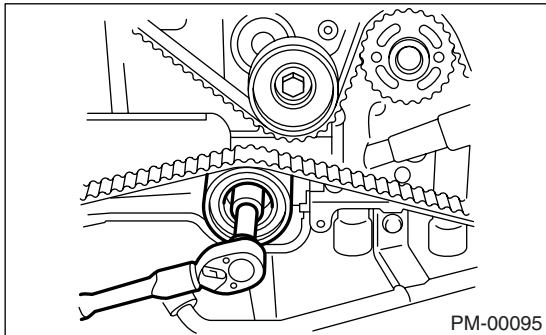
## PERIODIC MAINTENANCE SERVICES

ST 499987500 CRANKSHAFT SOCKET



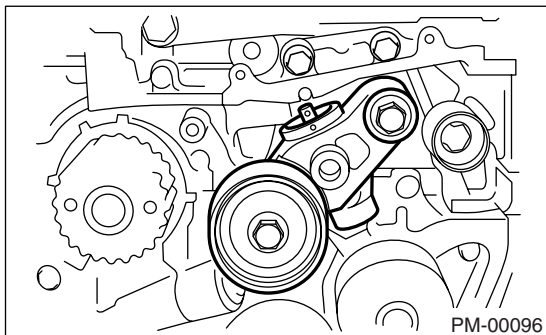
- (A) Notch
- (B) Alignment mark

14) Remove the belt idler.



15) Remove the timing belt.

16) Remove the automatic belt tension adjuster assembly.



17) Install in the reverse order of removal.  
<Ref. to ME(H4SO)-40, V-belt.>

### CAUTION:

When installing the timing belt, be sure to align all alignment marks on the belt with corresponding marks on the sprockets.

### B: INSTALLATION

Install in the reverse order of removal.

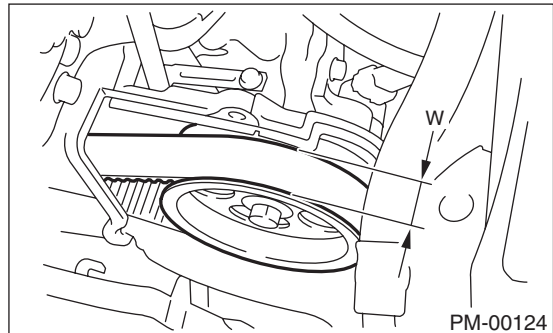
### NOTE:

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 timing belt back surface for cracks or damage. Replace faulty timing belt as needed.
- 3) Measure timing belt width  $W$ . If it is less than 27 mm (1.06 in), check idlers, tensioner, water pump pulley and cam sprocket to determine idler alignment (squareness). Replace worn timing belt.



4) Install front timing belt cover and timing belt cover (LH).

## 2. TURBO MODEL

- 1) Remove the timing belt cover (LH).
- 2) While cranking the 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 timing belt cover (LH).

