

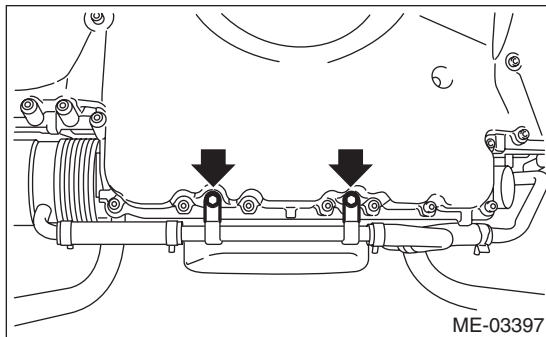
## 14.Chain Cover

### A: REMOVAL

**NOTE:**

When replacing the single part, perform the work with the engine installed to body.

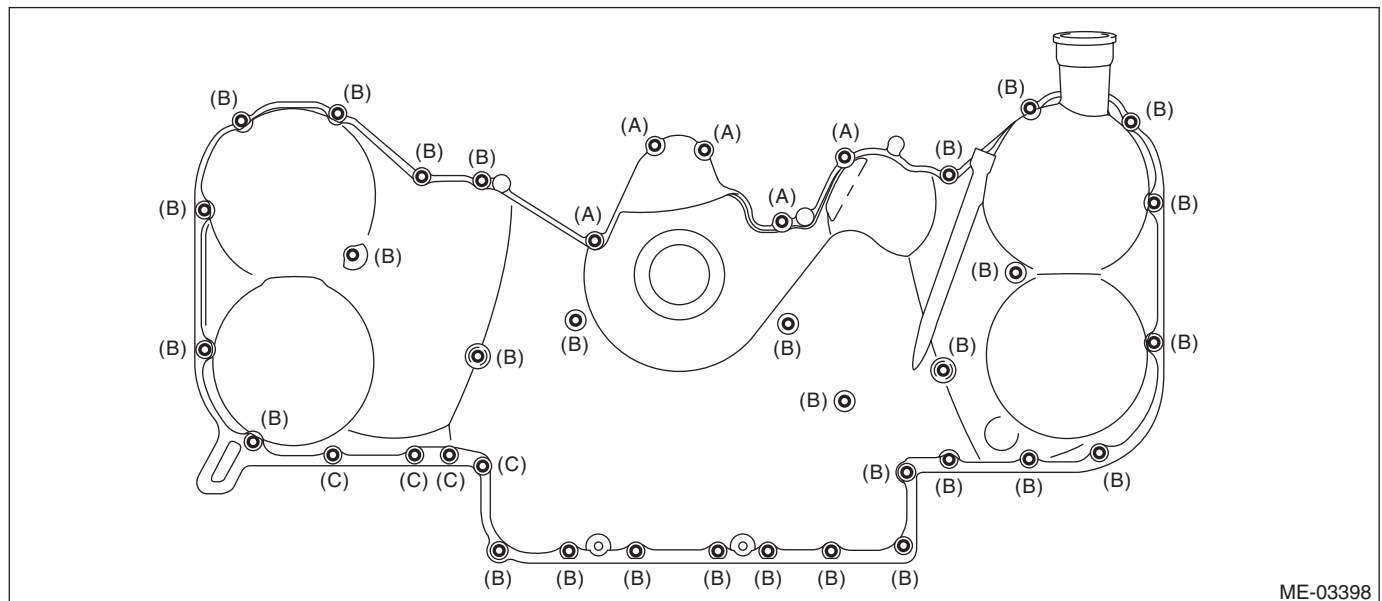
- 1) Drain the engine oil. <Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>
- 2) Remove the V-belts. <Ref. to ME(H6DO)-46, REMOVAL, V-belt.>
- 3) Remove the crank pulley. <Ref. to ME(H6DO)-47, REMOVAL, Crank Pulley.>
- 4) Remove the bolts which hold oil cooler pipe to chain cover.



- 5) Remove the chain cover.

**NOTE:**

Chain cover installation bolt has three different sizes. To prevent the confusion in installation, keep these bolts on container individually.



(A) M6 × 21

(B) M6 × 30

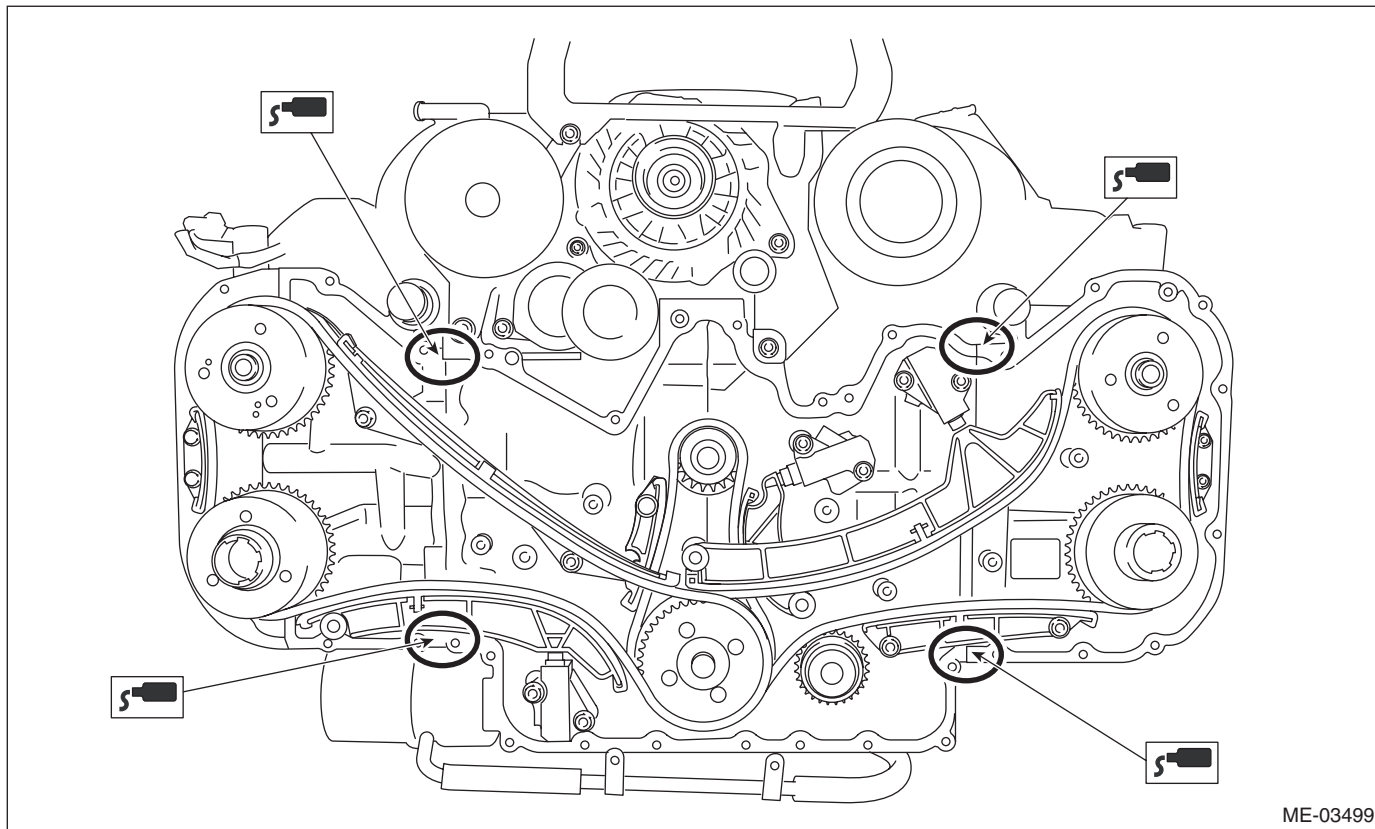
(C) M6 × 53

**B: INSTALLATION**

1) Apply liquid gasket to the mating surfaces of cylinder block, cylinder head and oil pan upper as shown in the figure.

**Liquid gasket:**

**THREE BOND 1217G (Part No. K0877Y0100) or equivalent**



# Chain Cover

## MECHANICAL

2) Apply liquid gasket to the mating surface of chain cover.

### NOTE:

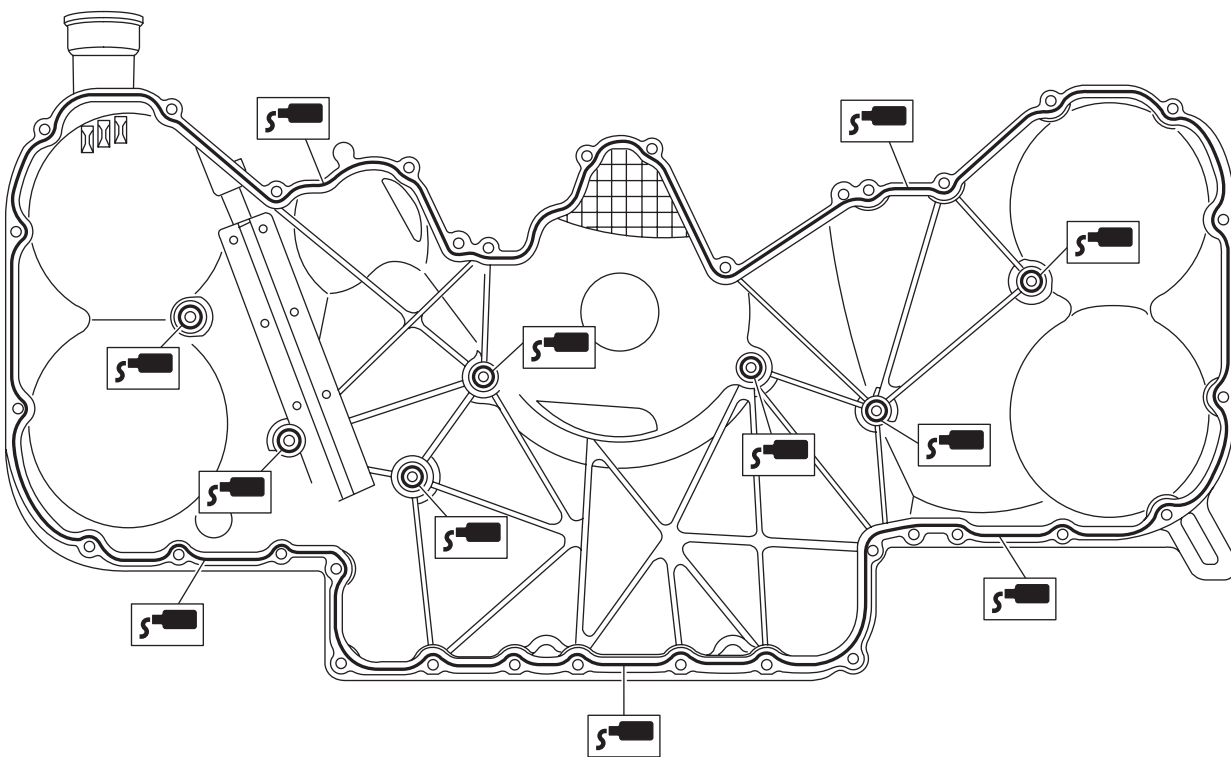
Install within 5 minutes after applying liquid gasket.

### Liquid gasket:

**THREE BOND 1217G (Part No. K0877Y0100) or equivalent**

### Applying liquid gasket diameter:

**$3.5 \pm 0.5$  mm ( $0.138 \pm 0.020$  in)**

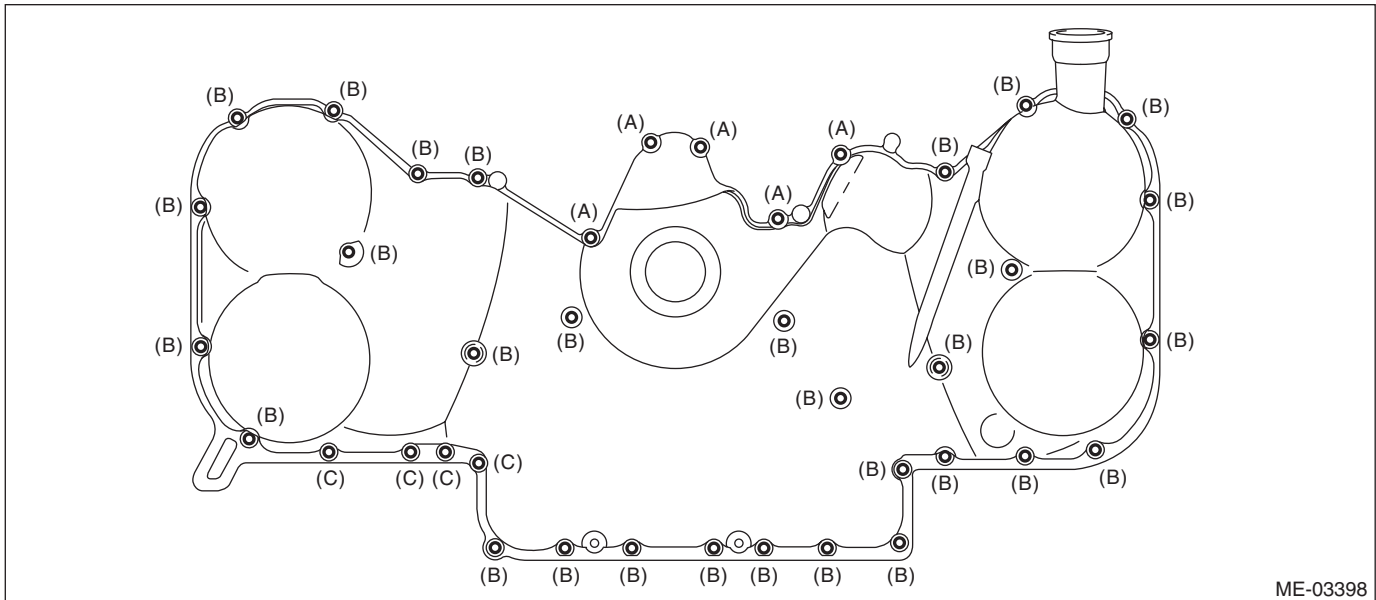


ME-03545

3) Install the chain cover and temporarily tighten the bolts.

**CAUTION:**

**Do not install the bolts in wrong place.**



(A) M6 × 21

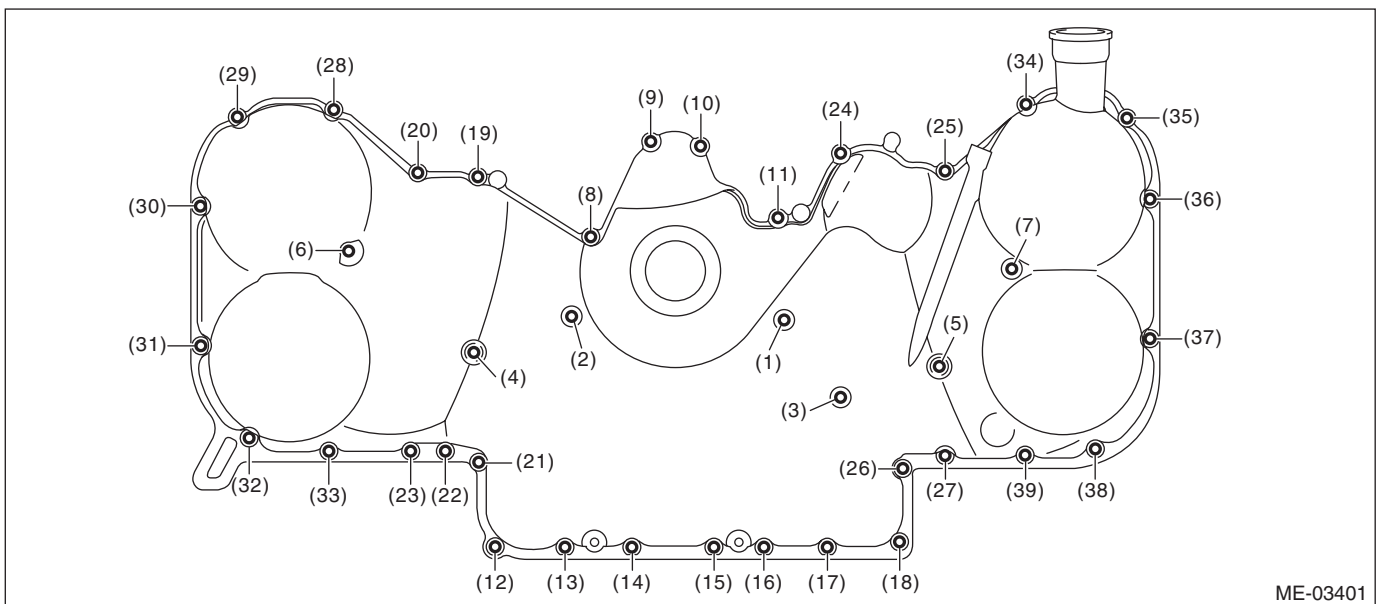
(B) M6 × 30

(C) M6 × 53

4) Tighten the bolts in the numerical order as shown in the figure.

**Tightening torque:**

**10 N·m (1.0 kgf-m, 7.4 ft-lb)**



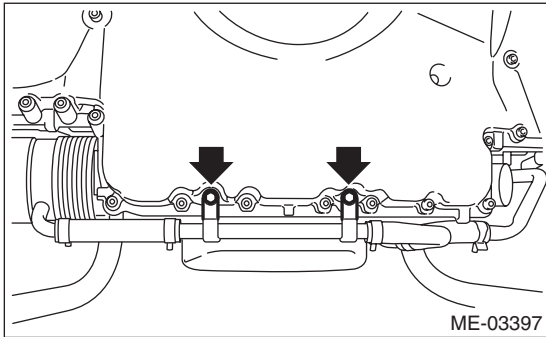
# Chain Cover

## MECHANICAL

5) Tighten the bolts which install oil cooler pipe on chain cover.

### **Tightening torque:**

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**



- 6) Install the crank pulley. <Ref. to ME(H6DO)-47, INSTALLATION, Crank Pulley.>
- 7) Install the V-belts. <Ref. to ME(H6DO)-46, INSTALLATION, V-belt.>
- 8) Fill with engine oil. <Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>
- 9) Confirm that there are no oil leakage at the chain cover mating surface.

## C: INSPECTION

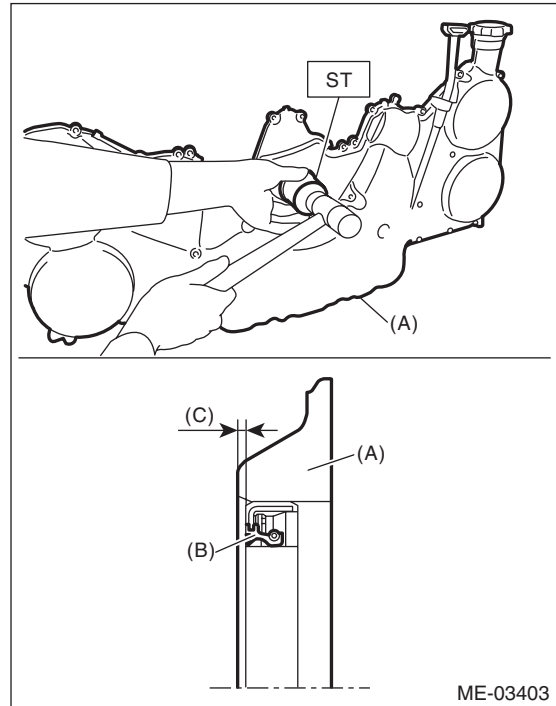
- 1) Check the cover surface for scratch or dent.
- 2) Check for oil leakage on cover mating surface and installation part of crank pulley.

If the oil leakage is found at the oil seal, replace the oil seal with a new part.

ST 499585700 OIL SEAL GUIDE

### **Oil seal press-fit position:**

**Chain cover edge — -1 mm (-0.039 in) position from chain cover edge**



- (A) Chain cover
- (B) Oil seal
- (C) Oil seal press-fit position (Chain cover edge — -1 mm (-0.039 in) position from chain cover edge)