

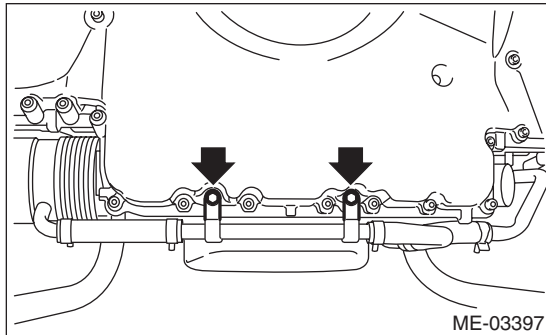
## 14.Chain Cover

### A: REMOVAL

**NOTE:**

Perform the work with the engine installed to body when replacing a single part.

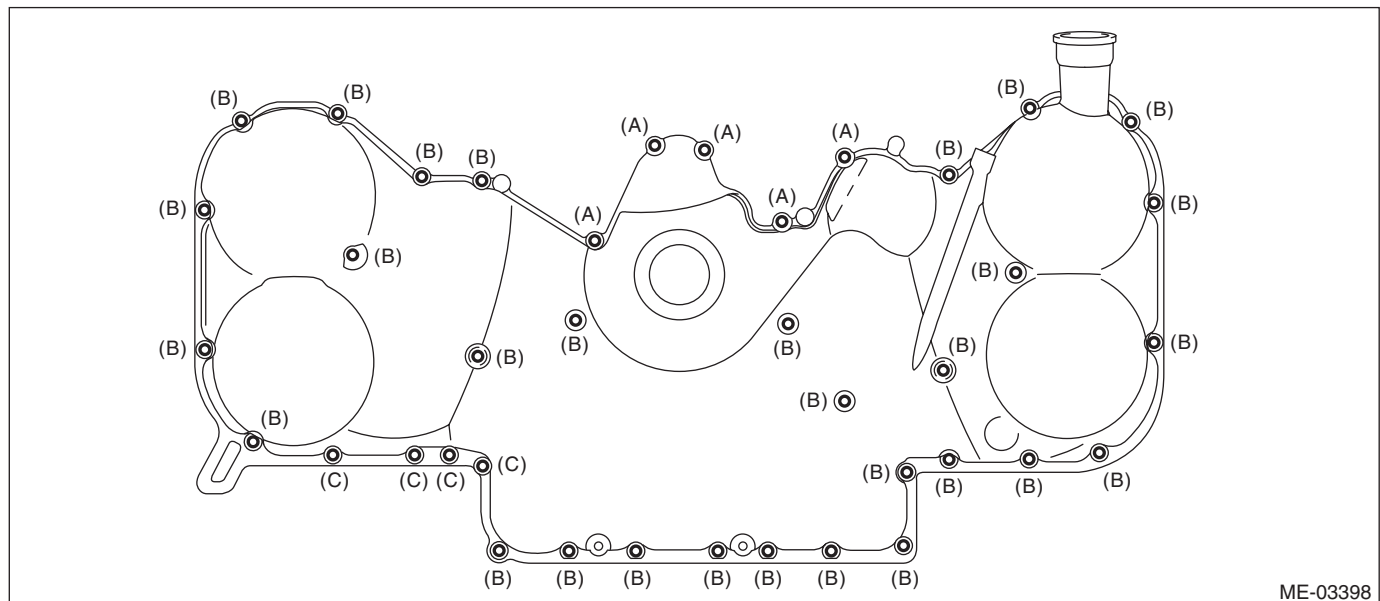
- 1) Drain the engine oil. <Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>
- 2) Remove the V-belt. <Ref. to ME(H6DO)-46, REMOVAL, V-belt.>
- 3) Remove the crank pulley. <Ref. to ME(H6DO)-47, REMOVAL, Crank Pulley.>
- 4) Remove the bolts which hold oil cooler pipe to chain cover.



- 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

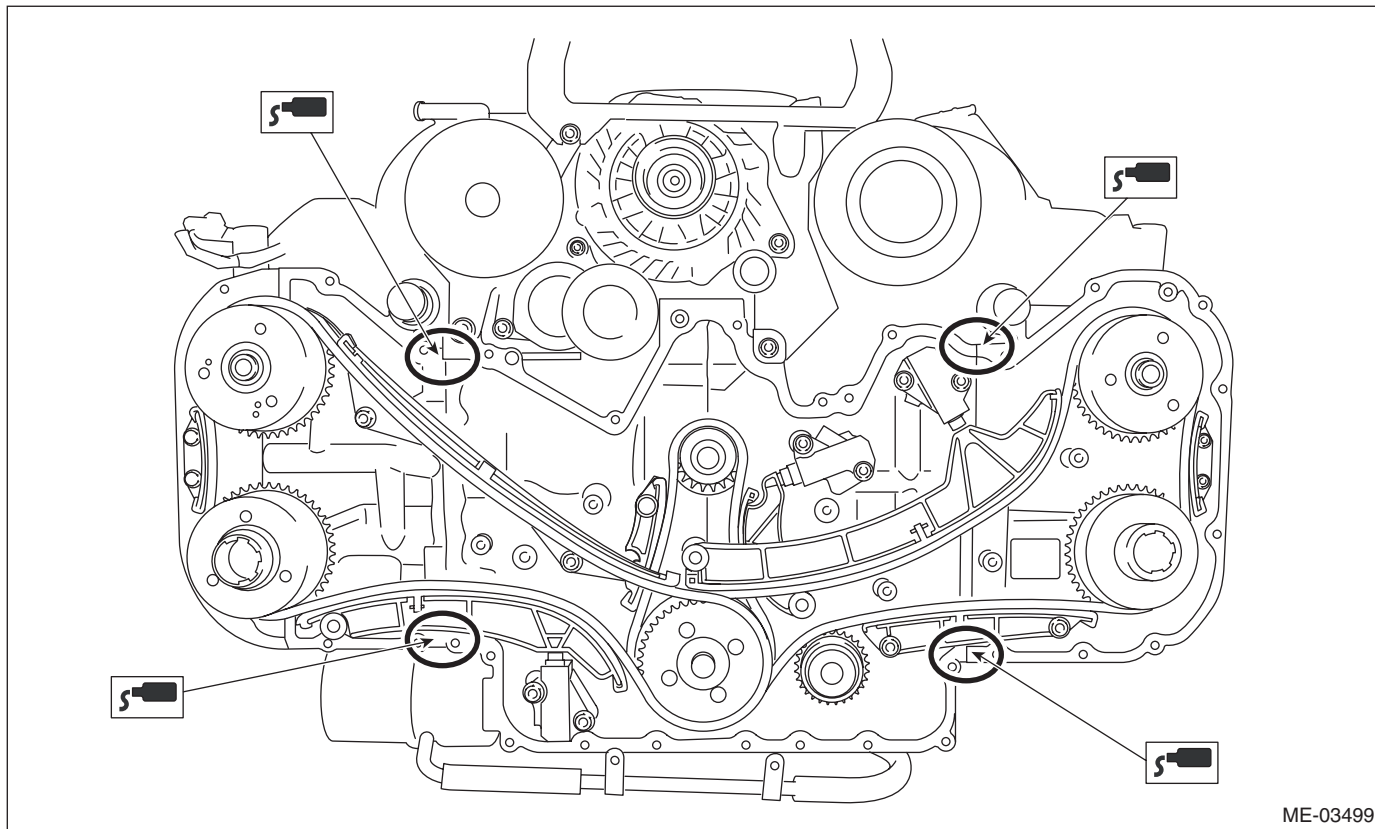
(C) M6 × 53

**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:

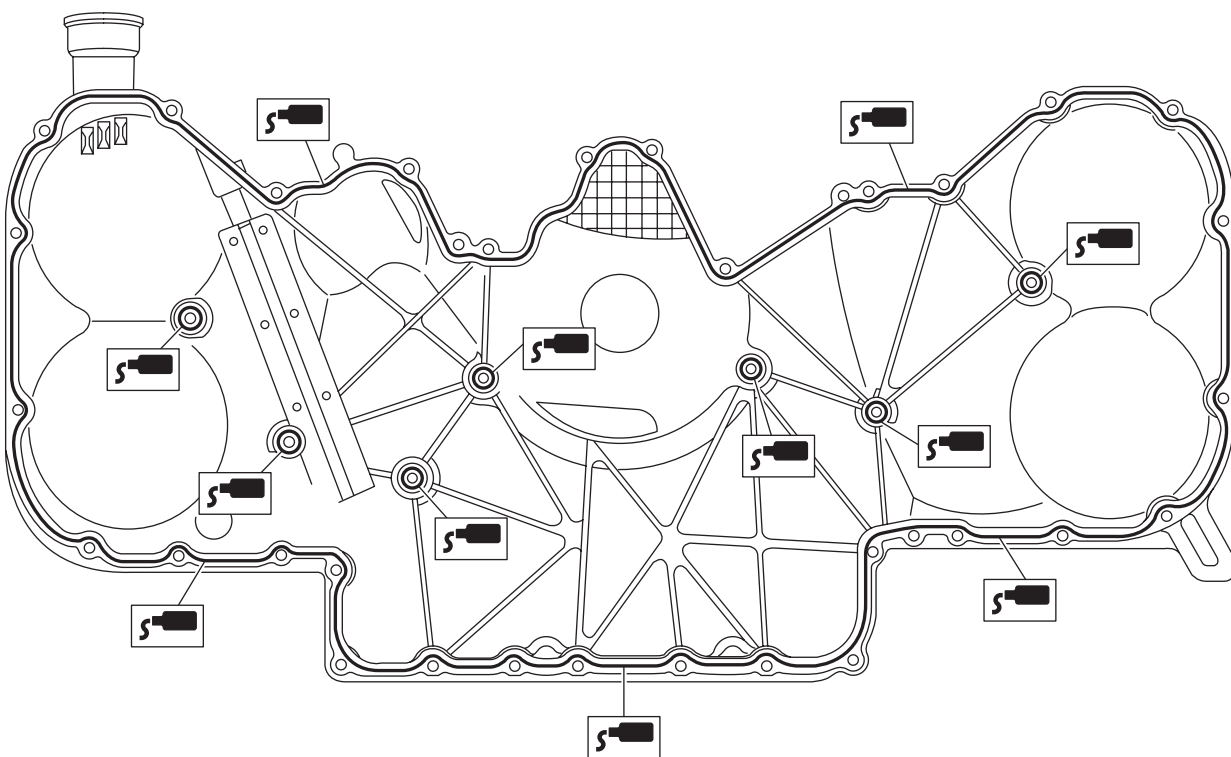
Install within 5 min. after applying liquid gasket.

#### **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)**

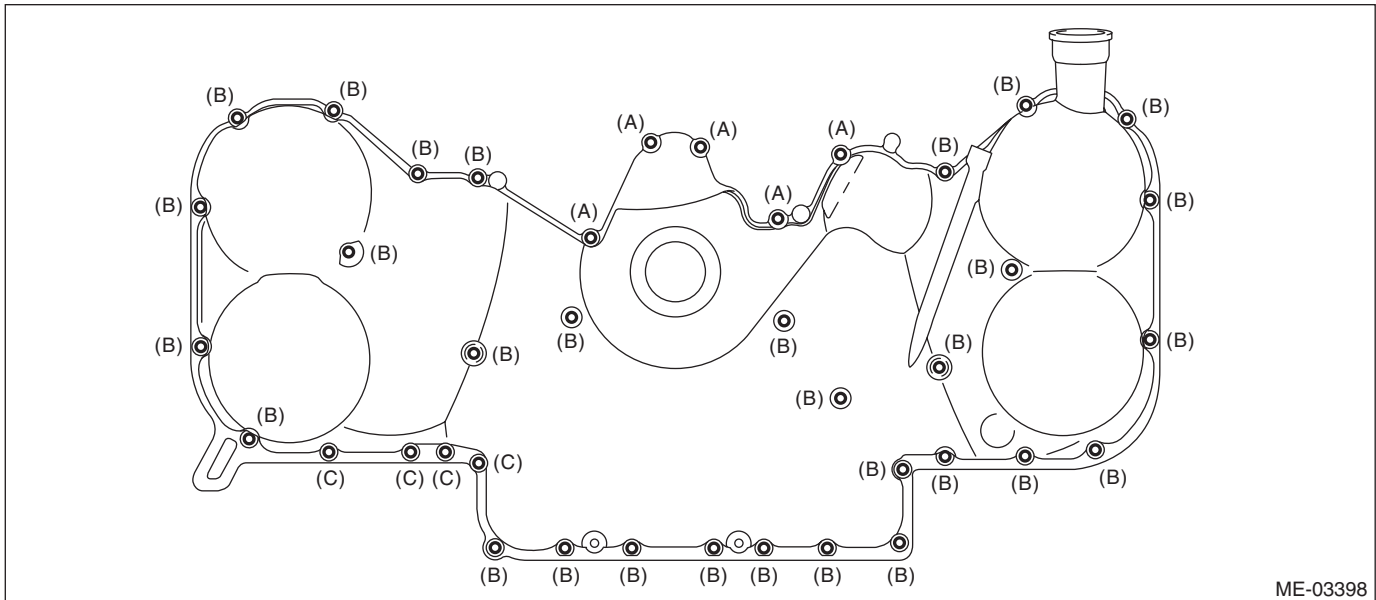


ME-03545

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

**CAUTION:**

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



(A) M6 × 21

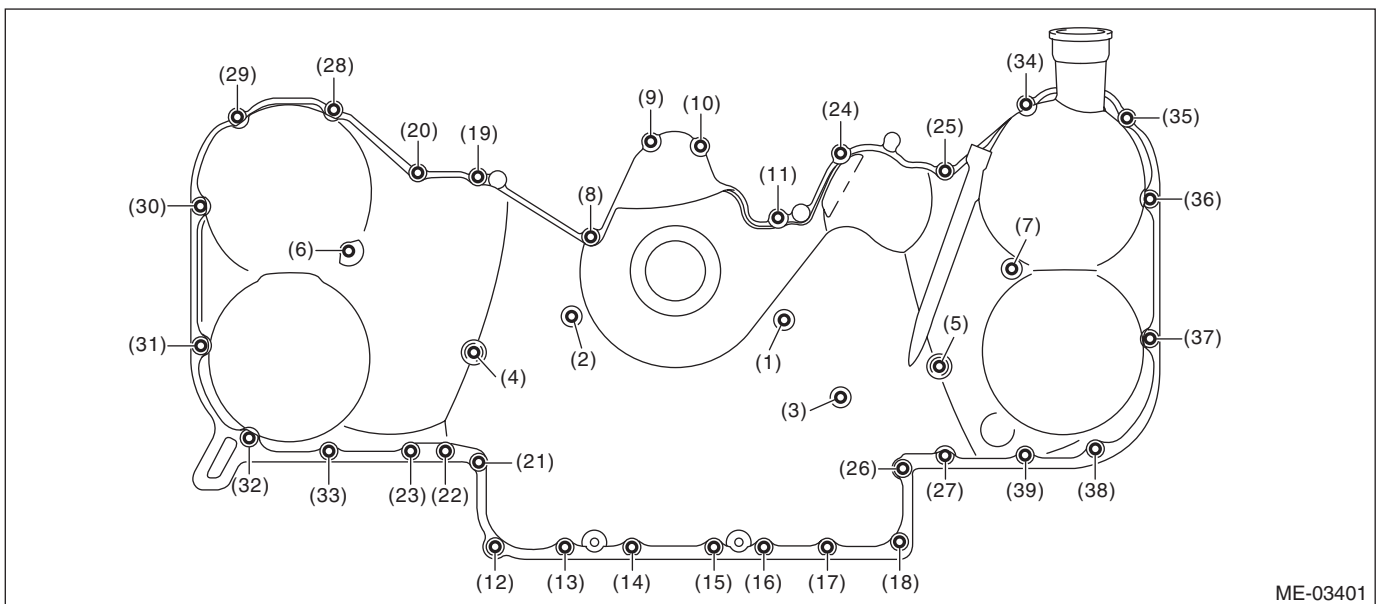
(B) M6 × 30

(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)**



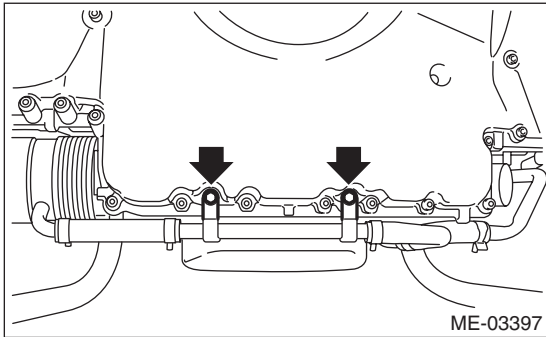
# Chain Cover

## 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-belt. <Ref. to ME(H6DO)-46, INSTALLATION, V-belt.>

8) Fill engine oil. <Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>

9) Make sure that there is no oil leakage from the mating surface of chain cover.

## **C: INSPECTION**

1) Check the cover surface for scratch or dent.

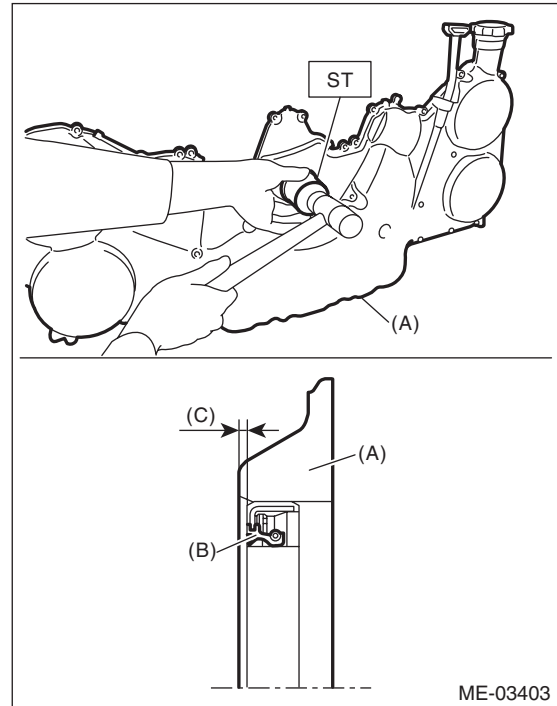
2) Check for oil leakage on cover mating surface and installation part of crank pulley.

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)