

Product: EXCAVATOR

Model: EL240 EXCAVATOR 4JF

Configuration: E240, EL240 HYDRAULIC EXCAVATORS 4JF00001-UP (MACHINE) POWERED BY 3304 ENGINE

## **General Service Information**

### **E180, EL180, E240, EL240, E240B, EL240B, E300 & EL300 EXCAVA**

Media Number -SEN4826-00

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## **Disassembly**

SMCS - 7555-012

## **Preparation**

Prior to disassembly, make the following preparations.

### **1. Workbench**

The workbench must have solid structure and enough space to hold parts during work.

### **2. Supplies**

Prepare the supplies, maintenance material, and special tools shown in the previous section.

## **General Precautions**

- 1. Do this disassembly work in a clean and dust-free place. Put a rubber sheet or cloth on the workbench to protect parts from scratches.**
- 2. Use care in handling precision parts during work to avoid damage caused by striking other parts or from being dropped. Use special care in handling the contact surfaces of seals such as an O-ring, oil seal, etc., to avoid scratches.**
- 3. Never strike or prize parts forcibly when they are held fast, to prevent damage, burring, oil leakage or deteriorated performance. Use care and patience.**
- 4. Protect parts from corrosion and dust when disassembly is interrupted for some time. Parts rust easily due to moisture or dust when left disassembled.**

## **Disassembly Procedures**



1. Clean the carrier roller with kerosene.
2. Remove tapered plug (14) from cover (8).
3. Drain engine oil from the carrier roller.



4. Loosen bolt (6), and remove bolt (6), spring washer (7) and cover (8) from roller (4).
5. Remove O-ring (9) from cover (8).



6. Set shaft (1) in a vise, loosen bolts (15), and remove bolts (15), spring washers (16) and thrust washers (10) from shaft (1).
7. Pull roller (4) out of shaft (1).



8. Remove floating seal (11) from roller (4) using a spatula.
9. Pull out seal support (3) from shaft (1).
10. Loosen set screw (17), and pull out seal support (3) from shaft (1). (EL300)



11. Remove floating seal (11) from seal support (3) using a spatula.

**NOTE:** Do not reuse floating seal (11).



12. Remove O-ring (12) from shaft (1), and remove snap ring (13) from shaft (1).

13. Remove O-ring (12) from seal support. (E300)

**NOTE:** Do not reuse O-ring (12).



14. Pull out spring pin (2) from seal support (3) using a puller. (Except EL300)

**NOTE:** If spring pin (2) and seal support (3) are engaging correctly, there is no need to pull out spring pin (2).

Do not reuse spring pin (2).

15. Pull bushing (5) out of roller (4).

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