

Product: EXCAVATOR

Model: EL180 EXCAVATOR 4EF

Configuration: E180 EL180 HYDRAULIC EXCAVATORS 4EF00001-UP (MACHINE) POWERED BY 3204 ENGINE

General Service Information

E180, EL180, E240, EL240, E240B & EL240B EXCAVATORS ROTARY J

Media Number -SEN4831-00

Publication Date -01/09/1989

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Reassembly

Preparation

Prepare a workbench, tools, and supplies in the same way as for disassembly.

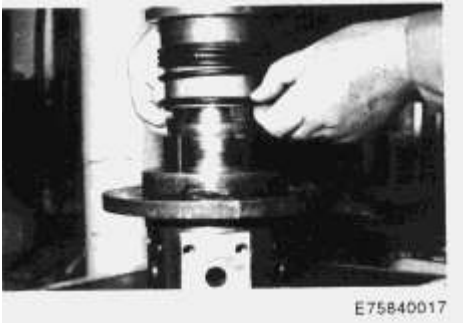
General Precautions

1. Take the same general precautions as those shown in DISASSEMBLY.
2. Check prior to reassembly to ensure that all parts are free from metal particles or foreign matters, and that parts are free from burrs or scratches. Remove any burrs or scratches with an oilstone.
3. As a rule, renew O-rings and seal. Use care when fitting O-rings and seal to prevent damage. (Apply a small amount of grease to make them smooth.)
4. Grease may be used during installation to prevent parts from falling apart.
5. Tighten bolts to the torque shown in (Tightening torque). Check tightening torque by using a torque wrench.
6. When reassembly is completed, plug all parts to prevent entry of dirt.

Reassembly Procedure



1. Combine inserters A and B and install O-rings (10) on inserter B.



2. Push inserter B all the way down into inside body (11).



3. Install O-rings (10) into the O-ring grooves on inside body (11) while moving inserter B from the low position upward.

NOTE: To move inserter B, be sure that the axial cores of inside body (11) and inserter B are aligned to prevent scratching inside body (11) due to contact while moving.



4. Form backup ring (9) in a circle by hands to obtain direction.



5. Install backup rings (9) to inside body (11).

NOTE: Refer to structural diagram for the positions to attach backup rings (9) to inside body (11).

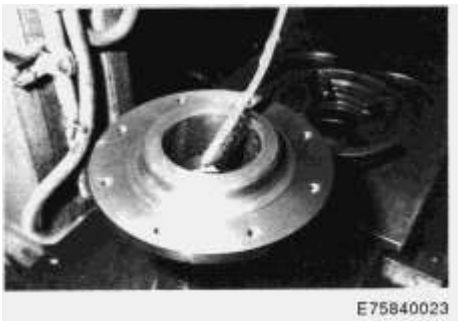


NOTE: Push backup ring (9) into inside body (11) center and closely contact the mating section.

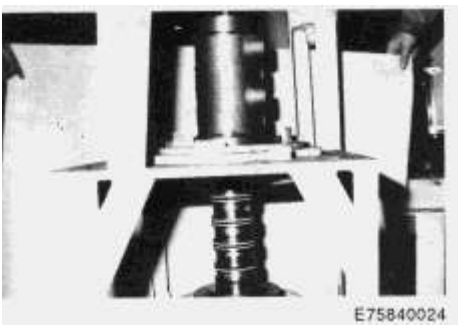


6. Apply grease onto O-ring (10) and backup ring (9) with brush.

NOTE: Apply grease like pushing into inside body (11) O-ring groove and prevent backup ring (9) swell out and O-ring (10) twist at outside body (7) insertion.



7. Apply grease onto outside body (7) sliding surfaces with brush.



8. Hold inside body (11) and outside body (7) in a press.

NOTE: For installation, align the axial cores of inside body (11) and outside body (7) to prevent damage on O-rings (10) and backup rings (9) when press fitting outside body (7).

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