

Disassembly and Assembly

E120B EXCAVATOR TRAVEL DRIVE AND MOTOR

Media Number -SEN6018-00

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Disassembly

SMCS - 5451-010; 5451-015; 5451-016

Preparation

1. Prepare a work bench that is sturdy and large enough to support the components and lay down disassembled parts.
2. Prepare tools and supplies required to disassemble the travel drive and motor. See the section, "Servicing".

General Precautions

1. Select as clean and dust-free location as possible to do disassembly work. Put soft coverings on the work bench to protect parts from being damaged.
2. There are a lot of precision-finished parts. Handle them carefully and gently. No damage is permissible. Protection must be given to the precision finished parts, sealing faces, sliding faces, contacting faces, etc.
3. Never give hammer blows to, or prize with excessive force a part hard to come off easily. This could cause burring, galling, distorting, etc. Work patiently and avoid rash measures.
4. Protect parts against corrosion and dust when disassembly is interrupted for an extended period of time. Parts could rust easily due to moisture or dust, if left disassembled for hours.

Disassembly Procedure

Washing



1. Remove plug (28) from the travel drive cover and let the oil drain from the travel drive. To facilitate oil draining, remove plug (27).

2. Install the plugs and bring the integrated unit of the travel drive and motor to the cleaning area. Clean the outside of the unit with steam cleaner.

Removal Of Travel Drive



1. Remove bolts (26) and spring washers (25). Remove cover (24).

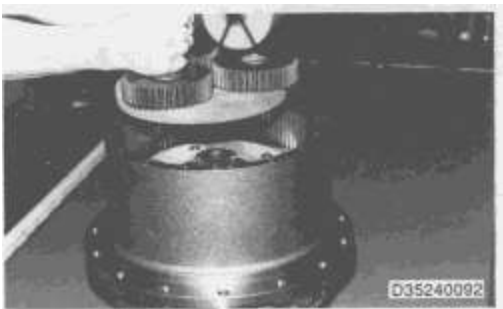


2. Remove thrust plate 1 (17).

3. Remove sun gear A (8).

NOTICE

When removing sun gear A (8), pull it straight up to avoid any damage to its teeth.



4. Remove screws (21) and remove thrust plate 2 (18), planetary gears A (9), needle bearings A (10) and carrier (11).

5. Remove sun gear B (12).