



# Service Repair Manual

## **Models**

# E120B EXCAVATOR

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Product: EXCAVATOR

Model: E120B EXCAVATOR 6JF

Configuration: E120B TRACK-TYPE EXCAVATOR 6JF00001-UP (MACHINE) POWERED BY 3114 ENGINE

## Disassembly and Assembly E120B EXCAVATOR VEHICLE SYSTEM

Media Number -SEN4577-01

Publication Date -01/06/2005

Date Updated -07/06/2005

SEN45770024

## Travel Drives

SMCS - 4050-017

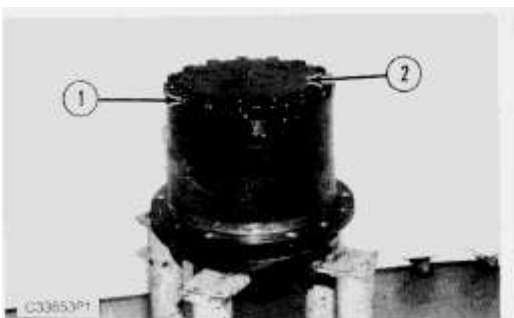
### Disassemble And Assemble Travel Drives

Tools Needed		A	B	C
1P2420	Transmission Repair Stand	1		
6V2157	Link Bracket		2	
8M7912	Seal Installer			1

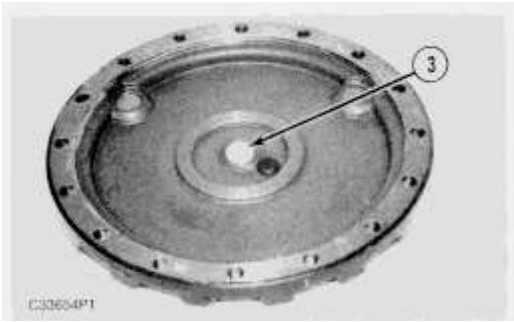
Start By:

a. remove travel drives and travel motors

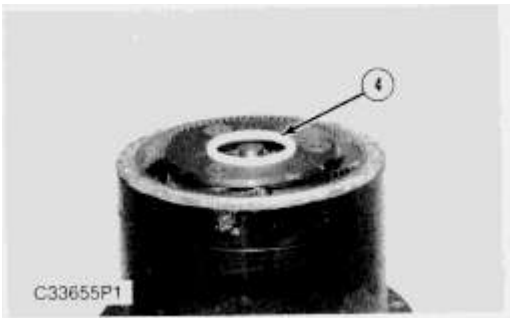
1. Thoroughly clean the outside of the travel drive and travel motor prior to disassembly.
2. Fasten the travel drive and travel motor to tool (A) as shown. The combined weight of the travel drive and travel motor is 215 kg (475 lb).
3. Put an alignment mark across the outside of the travel drive and travel motor so the components of the unit can be reinstalled in their original positions.



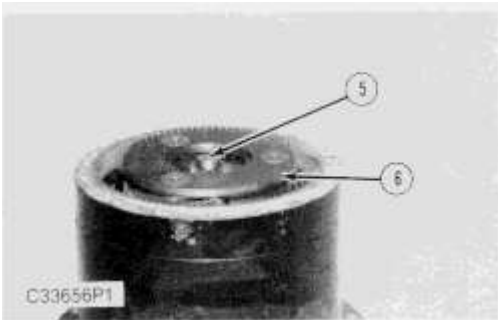
4. Remove sixteen bolts (1) and cover (2) from the ring gear.



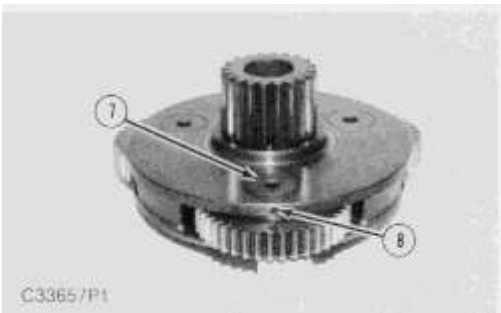
5. Remove plate (3) from cover (2).

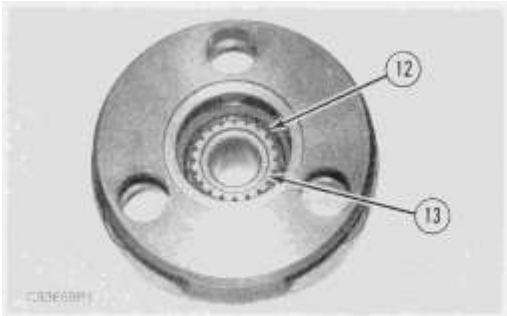
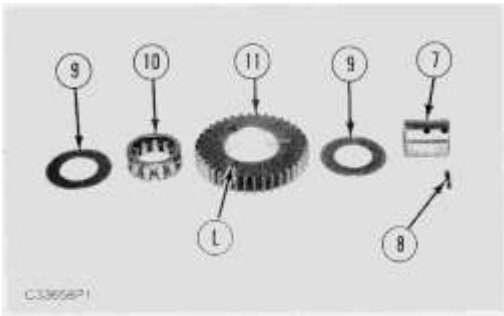


6. Remove plate (4) from the carrier.



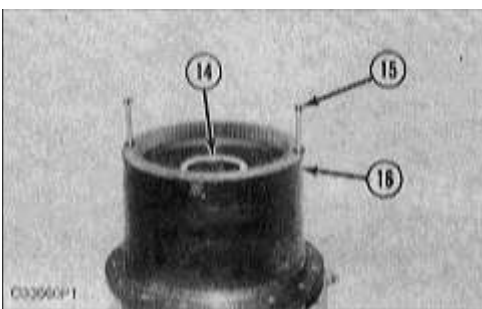
7. Remove sun gear (5) from carrier assembly (6). Remove carrier assembly (6) from the ring gear. Weight of the carrier assembly is 15 kg (33 lb).





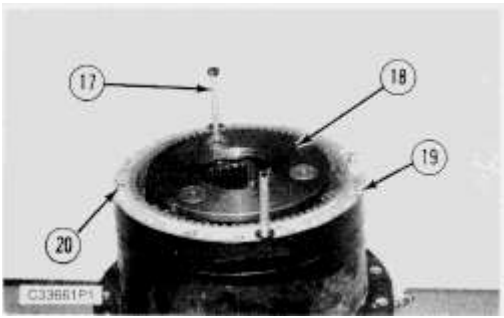
**8.** Disassemble carrier assembly (6) as follows:

- a. Drive spring pin (8) into planetary shaft (7) with a hammer and a punch.
- b. Remove planetary shaft (7), two thrust washers (9) and planetary gear (11) from the carrier.
- c. Remove bearing (10) from the planetary gear.
- d. Drive spring pin (8) out of planetary shaft (7) with a hammer and a punch.
- e. Remove the other two planetary gears from the carrier as in Steps 8a through 8d.
- f. Remove snap ring (12) that holds sun gear (13) in the carrier. Use a screwdriver to remove the snap ring. Remove the sun gear from the carrier.



**9.** Remove plate (14) from the carrier assembly.

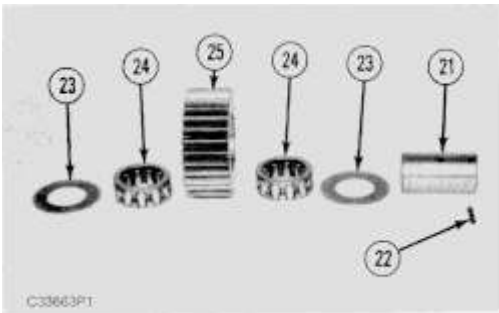
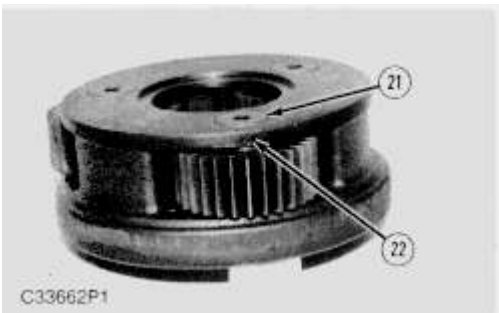
**10.** Install two forcing screws (15) of the appropriate size in ring gear (16). Tighten the forcing screws evenly to separate ring gear (16) from the unit.



**11.** Install two forcing screws (17) of the appropriate size in ring gear (19). Tighten the forcing screws evenly to separate ring gear (19) from the unit.

**12.** Remove locating pins (20) from the main case.

**13.** Remove carrier assembly (18). Weight of the carrier assembly is 20 kg (45 lb).



**14.** Disassemble carrier assembly (18) as follows:

- a.** Drive spring pin (22) into planetary shaft (21) with a hammer and a punch.
- b.** Remove planetary shaft (21), two thrust washers (23) and planetary gear (25) from the carrier.
- c.** Remove two bearings (24) from the planetary gear.
- d.** Drive spring pin (22) out of planetary shaft (21) with a hammer and a punch.
- e.** Remove the other two planetary gears from the carrier as in Steps 14a through 14d.

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