



# Service Repair Manual

## **Models**

318D2 L Excavator

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Product: EXCAVATOR

Model: 318D2 L EXCAVATOR WGR

Configuration: 318D2 L Excavator WGR00001-UP (MACHINE) POWERED BY 3054C Engine

## Disassembly and Assembly 318D2 Excavator Machine Systems

Media Number -UENR0198-03

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i05453130

## Final Drive - Disassemble

SMCS - 4050-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	439-3938	Link Bracket	2
C	154-6181	Forcing Bolt	1
D	439-3940	Link Bracket	2
E	5F-7366	Forcing Bolt	1
	1P-5546	Crossblock	1
	1U-9889	Crossblock	1
	1P-0520	Driver Group	1
	6V-7888	Puller Leg	2
	1H-3112	Puller Assembly	1
	1P-5551	Adjustable Screw Assembly	1
F	-	Loctite 5127	1

### Start By:

- Remove the final drive.

**Note:** Cleanliness is an important factor. Before the disassembly procedure, thoroughly clean the exterior of the component. This action will prevent dirt from entering the internal mechanism.

1. Put an alignment mark across the sections of the final drive for assembly purposes. The parts must be reinstalled in the original locations.

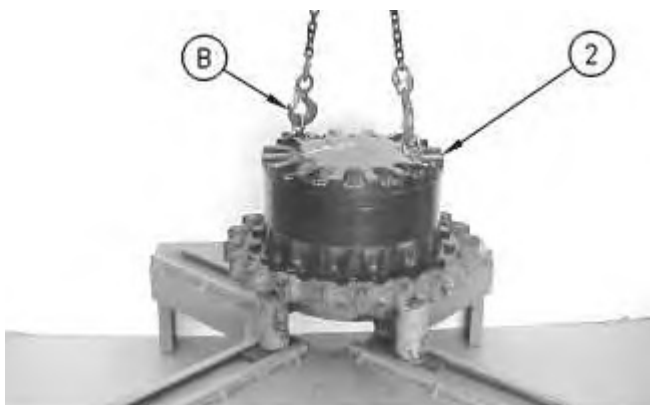


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Illustration 1

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2. Fasten the final drive to Tooling (A), as shown. The combined weight of the final drive and final drive sprocket is approximately 312 kg (688 lb).
3. Remove bolts (1) and the washers that hold the cover in position.



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Illustration 2

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4. Remove the setscrews from cover (2), and fasten Tooling (B) and a suitable lifting device to cover (2), as shown. The weight of cover (2) is approximately 32 kg (70 lb). Remove cover (2).
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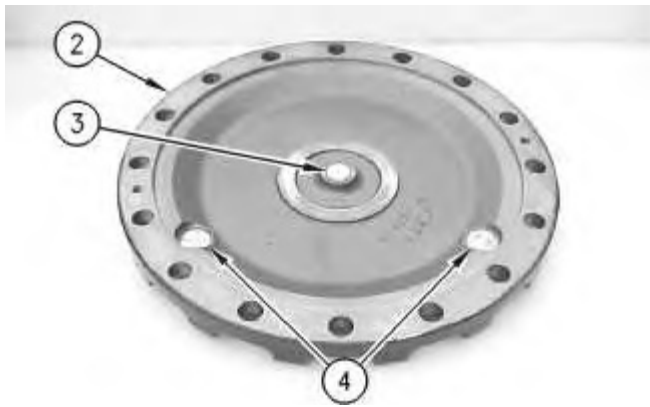


Illustration 3

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5. Remove thrust plate (3) from cover (2).
6. Remove plugs (4) from cover (2).



Illustration 4

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7. Remove O-ring seals (5) from both plugs (4) that were in the cover.

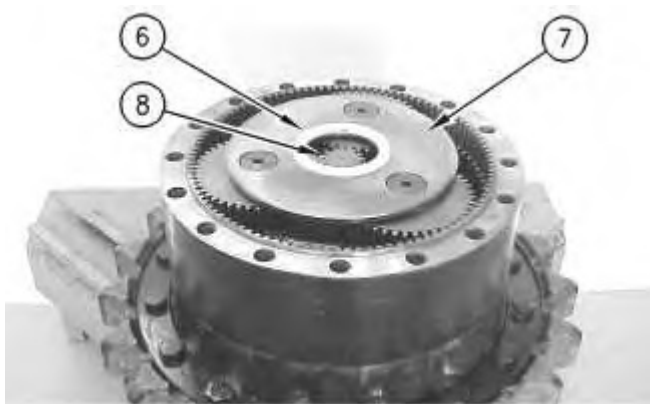


Illustration 5

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8. Remove spacer (6) from carrier assembly (7).
9. Remove sun gear (8) from carrier assembly (7).

10. Remove carrier assembly (7) by lifting the carrier assembly straight up. The weight of carrier assembly (7) is approximately 14 kg (30 lb).



Illustration 6

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11. Disassemble carrier assembly (7), as follows.

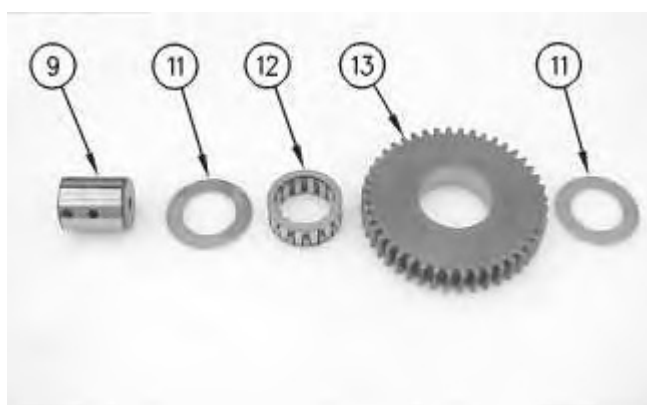
- a. Drive spring pin (10) into planetary shaft (9) with a hammer and a punch.



Illustration 7

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- b. Remove planetary shaft (9) with spring pin (10) from the carrier assembly.
- c. Remove spring pin (10) from planetary shaft (9) with a hammer and a punch.



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