



Service Repair Manual

Models

325C FM EXCAVATOR

Product: EXCAVATOR

Model: 325C FM EXCAVATOR G1L

Configuration: 325C FOREST SWING MACHINES G1L00001-UP (MACHINE) POWERED BY 3126B Engine

Disassembly and Assembly 325C Forest Machines Machine Systems

Media Number -REN5477-00

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i02783051

Final Drive - Disassemble

SMCS - 4050-015

S/N - G1L1-UP

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	138-7573	Link Bracket	2
C	1P-1863	Retaining Ring Pliers	1
D	194-3878	Spanner Socket	1
E	138-7574	Link Bracket	2
F	5F-7366	Forcing Screw	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
G	1U-7600	Slide Hammer Puller Gp	1
	8T-0266	Bolt	1

Start By:

- a. Remove the final drive. Refer to Disassembly and Assembly, "Final Drive - Remove".

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

Note: Some of the images that are in this procedure do not show the sprocket assembly that is attached to the final drive housing. If necessary, the weights that are given include the weight of the sprocket assembly.

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



Illustration 1

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

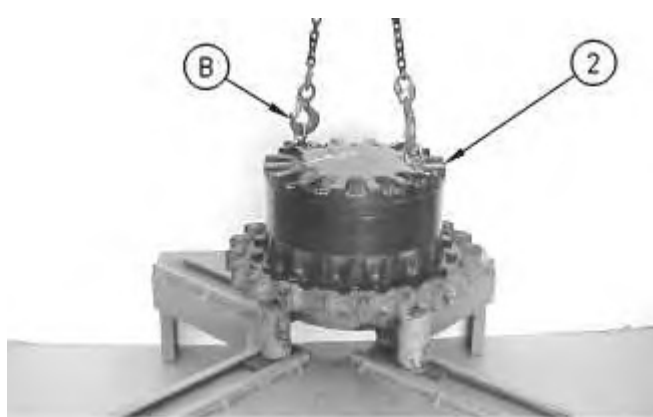


Illustration 2

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

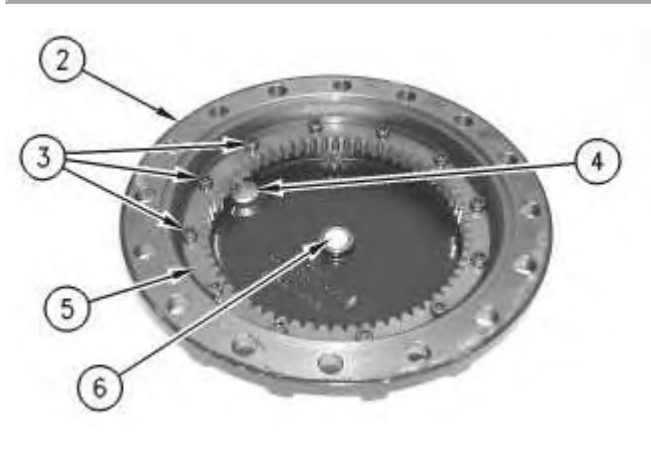


Illustration 3

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5. Remove bolts (3). Remove gear (5). Check plate (6). Replace plate (6) if wear is shown. Remove plugs (4) from cover (2).

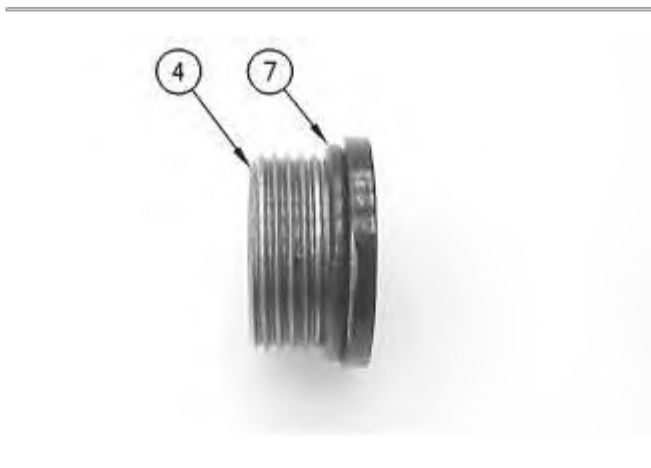


Illustration 4

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6. Remove O-ring seal (7) from plugs (4).

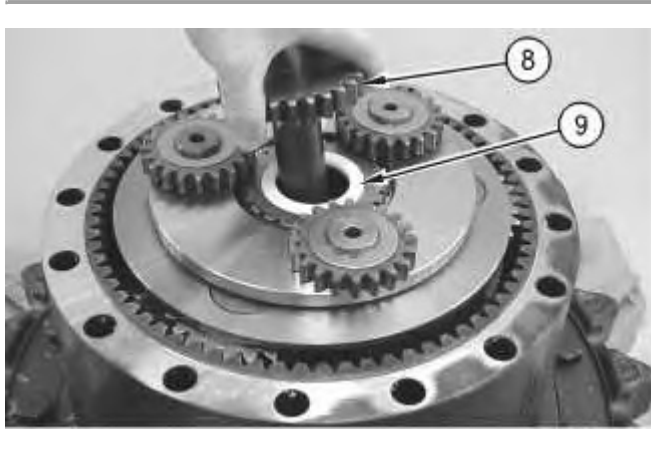


Illustration 5

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7. Remove gear (8). Remove spacer (9).



Illustration 6

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8. Remove retaining ring (10) with Tooling (C). Remove washer (11). Remove gear (12). Remove bearing assembly (13). Remove second washer (11).

9. Repeat Step 8 for the remaining two gear assemblies.

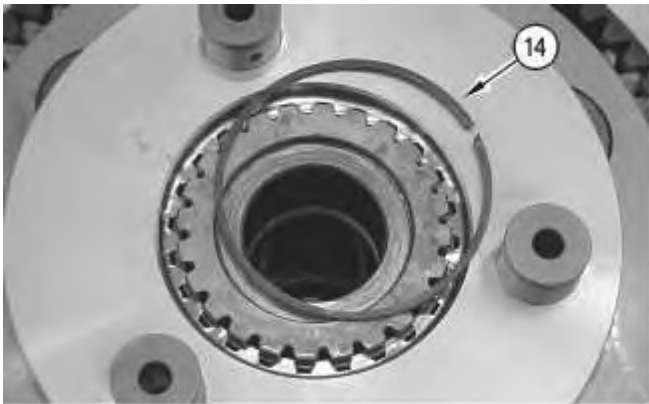


Illustration 7

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10. Remove retaining ring (15).



Illustration 8

g00781407

11. Remove carrier assembly (15).

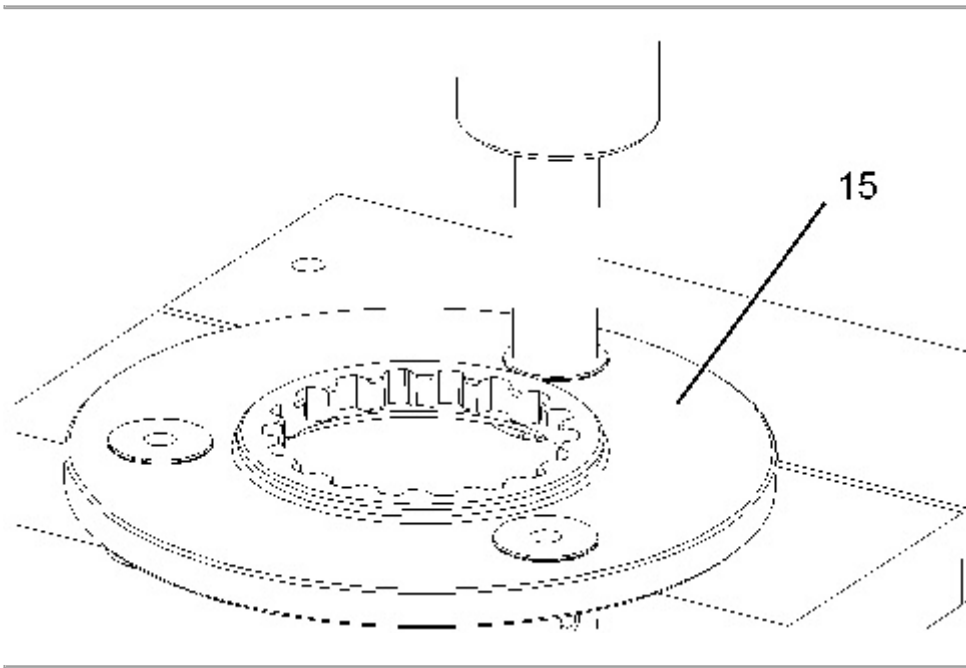


Illustration 9

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12. Use a suitable press in order to remove the shafts from carrier assembly (15).

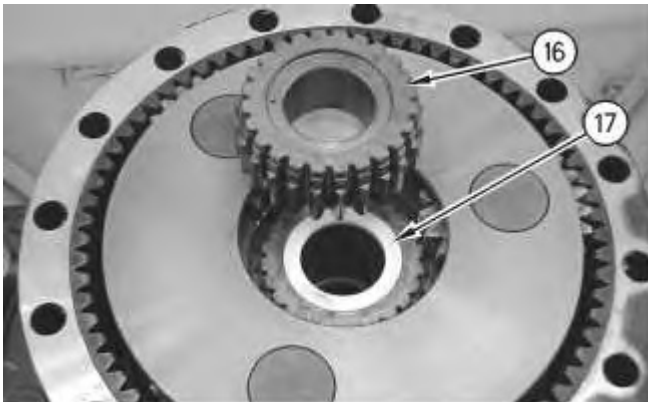


Illustration 10

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13. Remove gear (16). Remove spacer (17).



14. Remove retaining ring (18).
15. Remove carrier assembly (19).

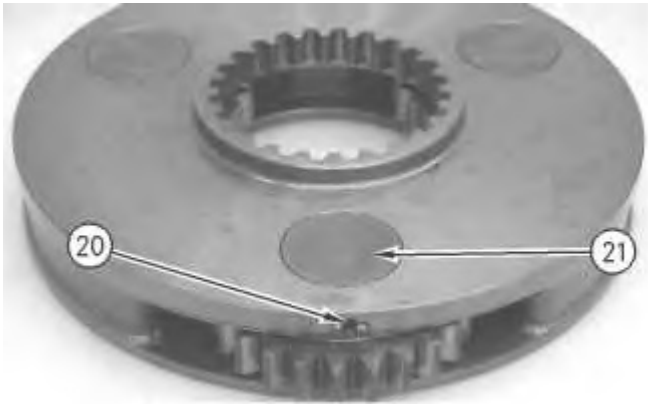


Illustration 12

16. Disassemble carrier assembly (19), as follows.
 - a. Drive spring pin (20) into planetary shaft (21) with a hammer and a punch.

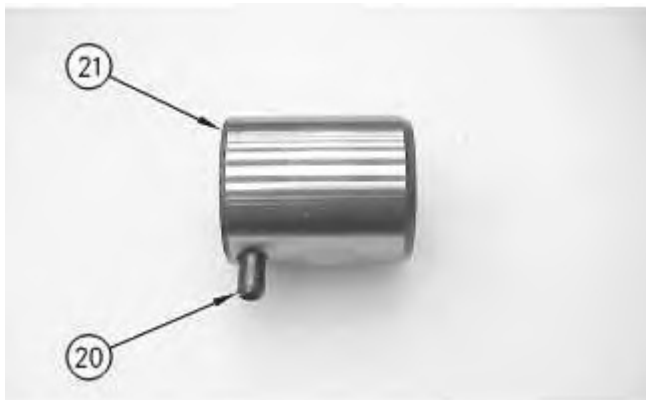


Illustration 13

- b. Remove planetary shaft (21).
 - c. Remove spring pin (20) from planetary shaft (21) with a hammer and a punch.
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