



# Service Repair Manual

## **Models**

# 325C FM EXCAVATOR

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Product: EXCAVATOR

Model: 325C FM EXCAVATOR S3M

Configuration: 325C FOREST SWING MACHINES S3M00001-UP (MACHINE) POWERED BY 3126B Engine

## Disassembly and Assembly 325C Forest Machines Machine Systems

Media Number -REN5477-00

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i02012672

### Final Drive - Disassemble

SMCS - 4050-015

S/N - S3M1-UP

S/N - Y4P1-UP

### Disassembly Procedure

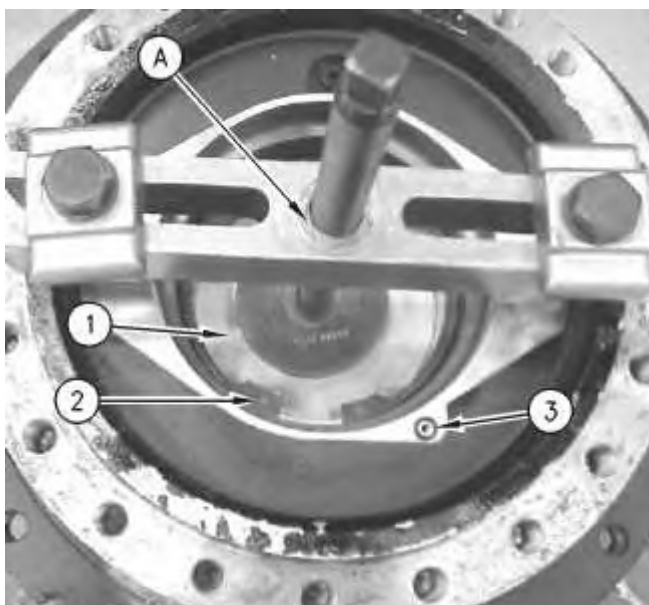
#### Start By:

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

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	3H-0468	Puller Plate	2
	5F-7366	Forcing Screw	1
	8B-7548	Push-Puller Tool Gp	1
	8T-0070	Bolt	2
	8T-3282	Hard Washer	2
	1P-0520	Driver Gp	1
B	1U-8223	Lifting Sling	2
C	1P-2321	Combination Puller	1
D	4C-8358	Eyebolt	3
E	156-7100	Slide Hammer Puller Gp	1

		M5x0.8x1.5 Bolt	1
F		10mm Drill	1
G	1P-7407	Eyebolt	2
H	199-6557	Spanner Socket	1
I	4C-8359	Eyebolt	2
J	127-8458	Final Drive Bench Ar	1
K	127-8468	Reaction Bar As	1
	3S-6224	Electric Hydraulic Pump Gp	1
	8T-0820	Hydraulic Pressure Gauge	1
L	3B-7722	Pipe Bushing	2
	1P-2376	Quick Connect Coupler	2
	1P-2377	Dust Plug	2
	8F-0024	Hose As	2
M	128-4075	Shaft As	1
N	194-3885	Adapter Plate	1
Q	4C-8359	Eyebolt	2
R	1U-8758	Retaining Ring Pliers	1
S	1P-1863	Retaining Ring Pliers	1
T	1P-1859	Retaining Ring Pliers	1





**Personal injury can result from being struck by parts propelled by a released spring force.**

**Make sure to wear all necessary protective equipment.**

**Follow the recommended procedure and use all recommended tooling to release the spring force.**

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1. Install Tooling (A). Apply slight pressure to plate (1). Use Tooling (R) to remove retaining ring (2) .
2. Carefully remove Tooling (A) .
3. Remove plate (1) .
4. Remove O-ring seal (3) .



Illustration 2

5. Remove springs (4) .
  6. Remove piston (5) .
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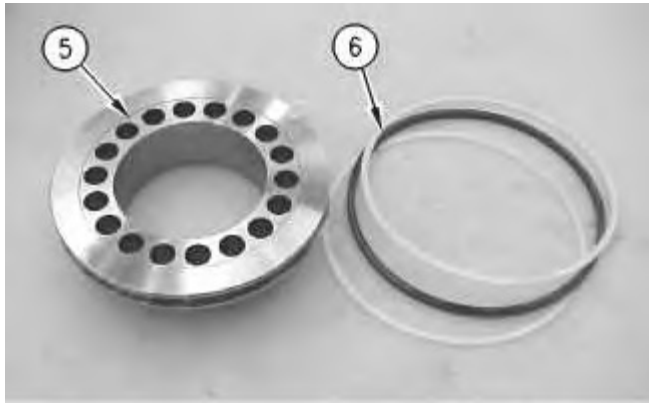


Illustration 3

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- a. Remove piston seals (6) from piston (5) .



Illustration 4

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7. Remove coupler (7) .
8. Remove brake discs (8) .



Illustration 5

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9. Remove bottom brake plate (9) .

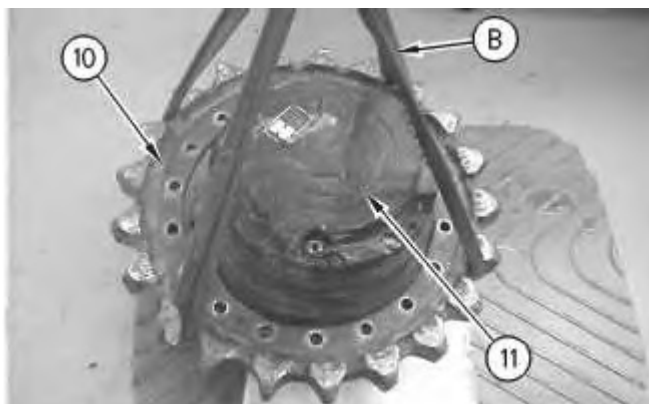


Illustration 6

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10. Turn over the final drive.

11. Attach Tooling (B). Use a suitable lifting device. Remove sprocket (10). The weight of sprocket (10) is approximately 48 kg (106 lb).

12. Remove cover (11).

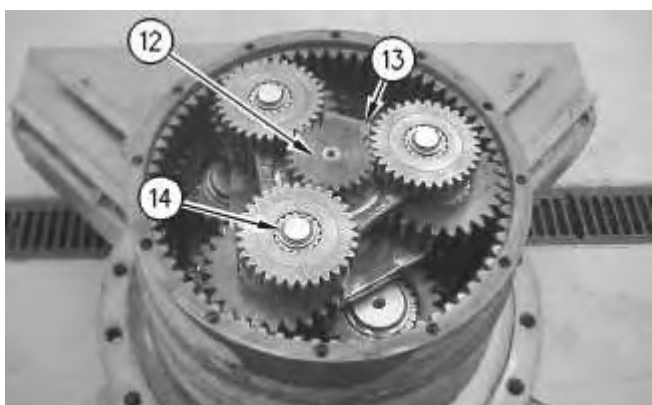


Illustration 7

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13. Remove sun gear (12). Remove planetary gear set (13). Use Tooling (S) to remove retaining rings (14) .

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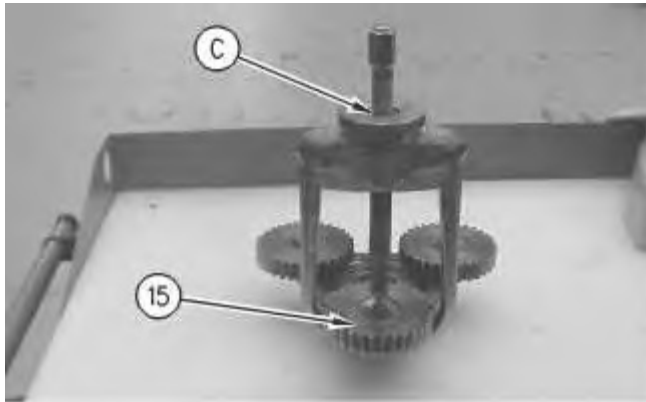


Illustration 8

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Typical example

- a. Install Tooling (C). Remove gears (15) .

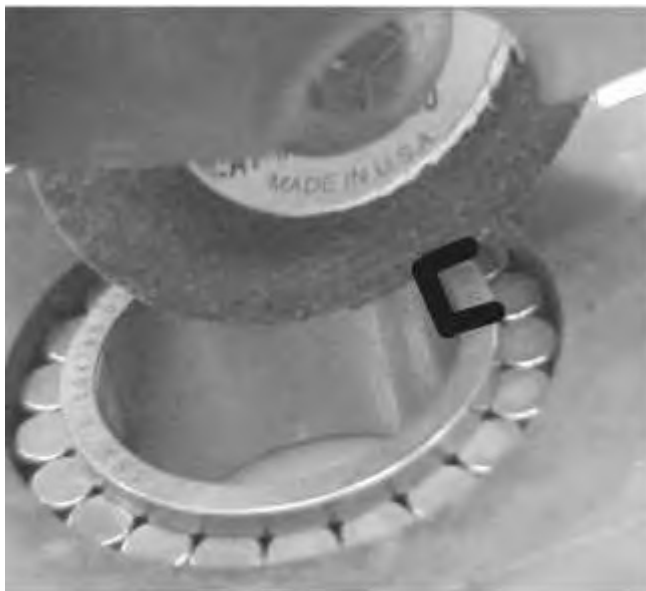


Illustration 9

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- b. Cut a notch in the bearing cup. Remove one row of bearing rollers through the notch. After the bearing rollers are out, the remaining parts will drop out. Remove the retaining ring from the bearing cup.
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