



Service Repair Manual

Models

323E L, 323E LN, 323E SA
Excavator

Product: EXCAVATOR

Model: 323E LN EXCAVATOR TDW

Configuration: 323E L, 323E LN & 323E SA Excavators TDW00001-UP (MACHINE) POWERED BY C6.6 Engine

Disassembly and Assembly 320E and 323E Excavators Machine Systems

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i04609390

Swing Drive

SMCS - 5459

Specifications

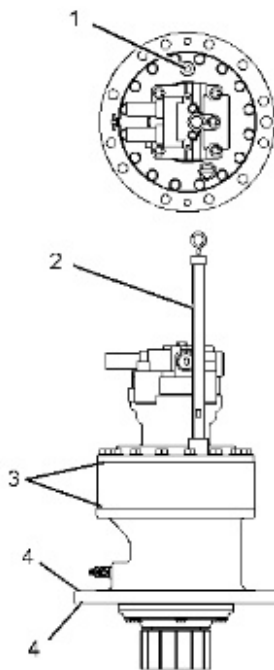


Illustration 1

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Table 1

Specification for 148-4679 Swing Drive Gp			
Item	Qty	Part	Specification Description
1	1		Torque to 45.0 ± 4.5 N·m (33.2 ± 3.3 lb ft).

		227-6221 Breather As	
2	1	114-1399 Gauge Pipe	Torque to 60 ± 6 N·m (44 ± 4 lb ft).
3	-	-	Apply blue Loctite High Flex GM to the mating surfaces of the ring gear and the housing.
4	-	-	Surfaces of the mounting area, contact area of the bolt and surfaces of the pinion shaft must be free of paint. Before assembly, the contact surfaces of the bolt, the washer, and the tightened parts must be clean and free of protective coating and oil.

Disassembly Procedure

Table 2

Required Tools			
Tool	Part Number	Part Description	Qty
A	5P-1863	Retaining Ring Pliers	1
B	138-7575	Link Brackets	2
C	4C-5660	Adapter	2
	5F-7369	Puller Leg	2
	3H-0465	Push-Puller Plate	2
	1P-0820	Hydraulic Puller	1
	3H-0468	Puller Plate	2
	350-7768	Electric Hydraulic Pump Gp ⁽¹⁾	1
	1U-9889	Crossblock	1
D	138-7573	Link Brackets	2
E	FT-3023	Sleeve	1
F	5F-7343	Bearing Puller Gp	1
	3H-0465	Push-Puller Plate	4
	5F-7369	Puller Leg	2
	5F-7342	Adapter	2
	1P-0820	Hydraulic Puller	1
	350-7768	Electric Hydraulic Pump Gp ⁽¹⁾	1

⁽¹⁾ 350-7769 (230 V)

Start By:

- a. Remove the swing motor and swing drive.

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.

NOTICE

Keep all parts clean from contaminants.

Contamination of the hydraulic system with foreign material will reduce the service life of the hydraulic system components.

To prevent contaminants from entering the hydraulic system, always plug or cap the lines, fittings, or hoses as they are disconnected. Cover any disassembled components and clean them properly before assembly.

Clean the hydraulic system properly after any major component exchange or especially after a component failure, to remove any contamination.

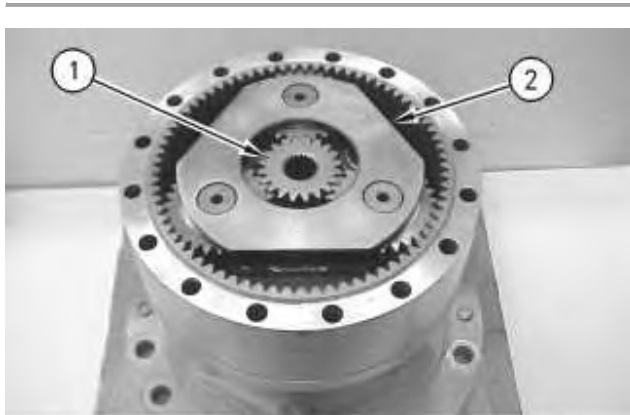


Illustration 2

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1. Remove sun gear (1) from carrier assembly (2).
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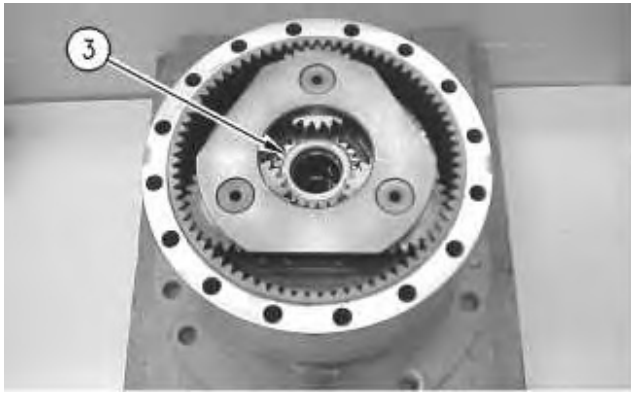


Illustration 3

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2. Remove spacer (3).

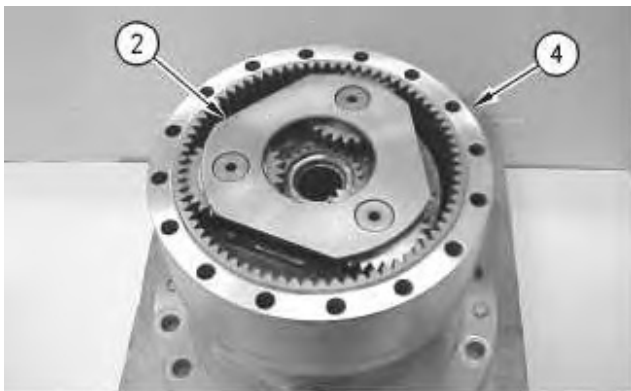


Illustration 4

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3. Remove carrier assembly (2) from ring gear (4).

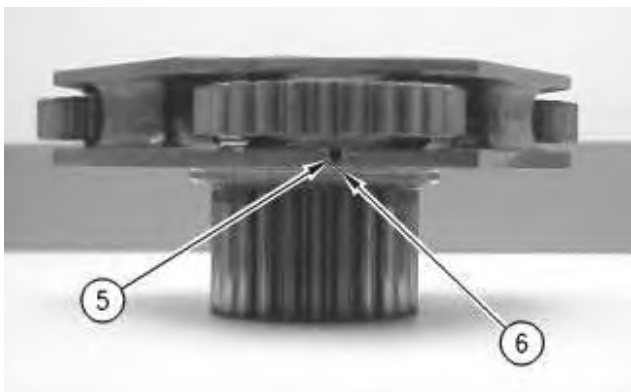


Illustration 5

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4. Drive roll pin (5) into shaft (6). Remove shaft (6) and the gear assembly.

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