



Service Repair Manual

Models

316E L Excavator

5. Carefully remove final drive (1). The weight of final drive (1) and the sprocket is approximately 312 kg (688 lb).
6. Remove Tooling (C) from the frame.

Disassembly Procedure

Table 4

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	439-3938	Link Bracket	2
C	1P-1863	Retaining Ring Pliers	1
D	439-3940	Bracket As	3
E	4C-8359	Eyebolt	2
F	439-3939	Link Bracket As	2
G	439-3941	Link Bracket As	2

Start By:

- a. Remove the final 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.

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



Illustration 7

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2. Use Tooling (G) and a suitable lifting device to position the final drive assembly onto Tooling (A). The weight of the final drive assembly is approximately 550 kg (1200 lb).
3. Remove bolts (1).

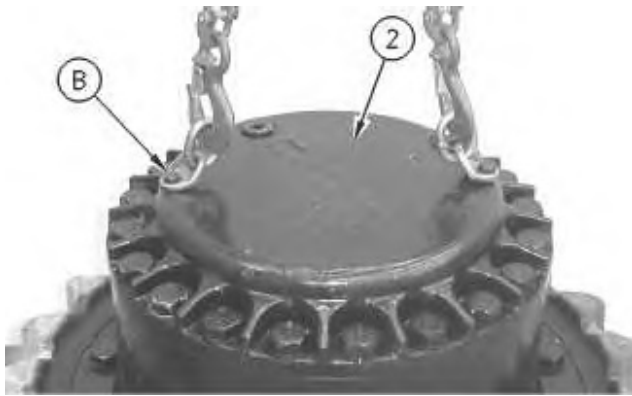


Illustration 8

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4. Use Tooling (B) and a suitable lifting device to remove cover (2). The weight of cover (2) is approximately 32 kg (70 lb).

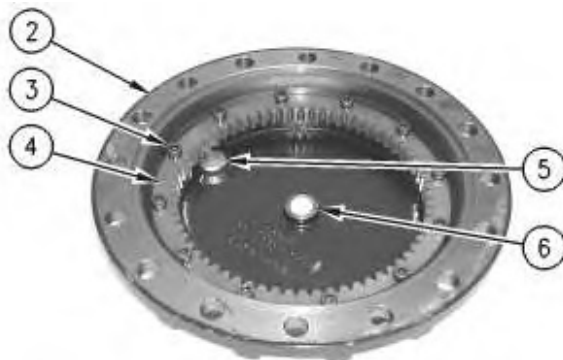


Illustration 9

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



Illustration 10

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6. Remove O-ring seals (7) from plugs (5).
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Illustration 11

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



Illustration 12

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8. Use Tooling (C) to remove retaining ring (10). Remove washer (11) and gear (12). Remove bearing assembly (13) and washer (14).
9. Repeat Step 8 for the other two gear assemblies.

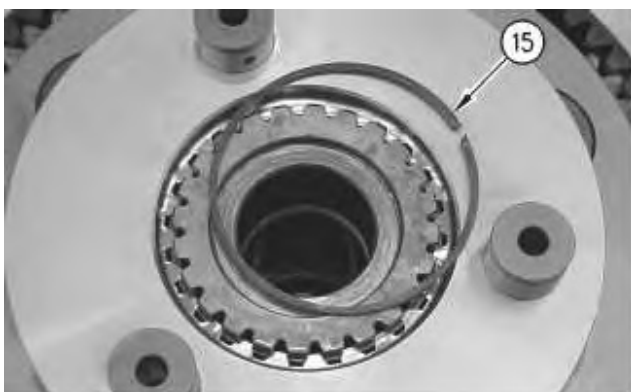


Illustration 13

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10. Remove retaining ring (15).

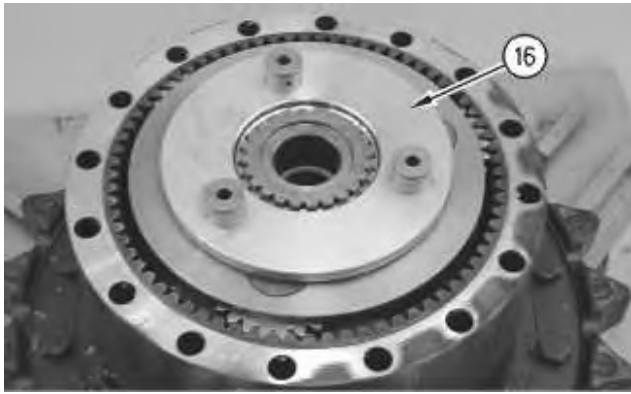


Illustration 14

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11. Remove carrier assembly (16).

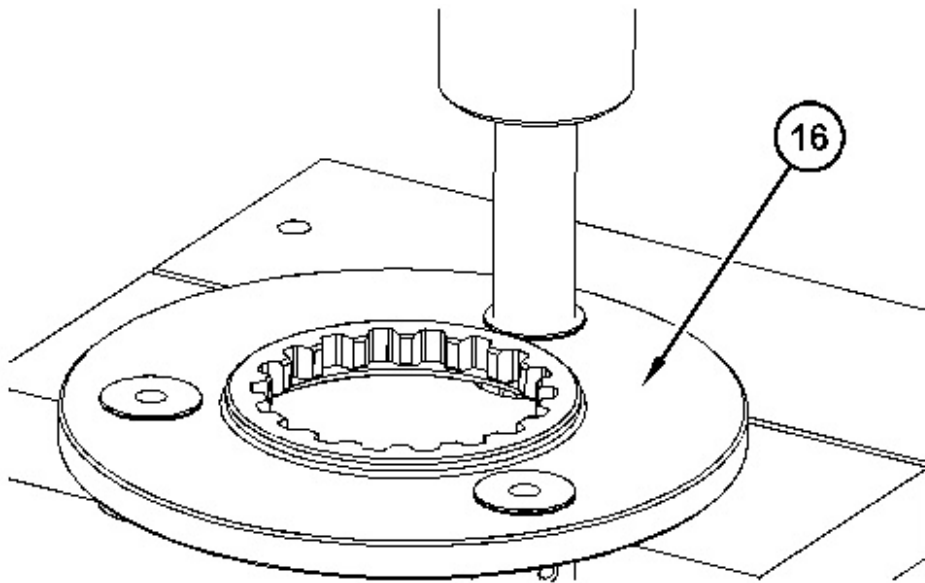


Illustration 15

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12. Use a suitable press to remove the shafts from carrier assembly (16).

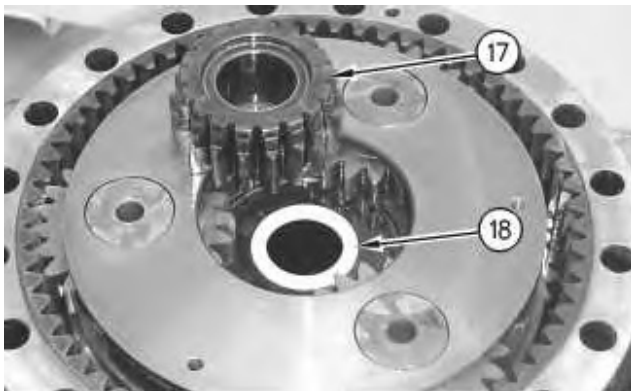


Illustration 16

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13. Remove gear (17) and spacer (18).

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