



Service Repair Manual

Models

336E and 336E L Excavator

Product: EXCAVATOR

Model: 336E EXCAVATOR KED

Configuration: 336E & 336E L Excavators KED00001-UP (MACHINE) POWERED BY C9.3 Engine

Disassembly and Assembly

336E Excavator and 336E MHPU Mobile Hydraulic Power Unit Machine Systems

Media Number -KENR8157-05

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i07175112

Travel Motor - Assemble

SMCS - 4351-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-7506	Adapter	1
	8T-4244	Nut	6
	8T-4223	Hard Washer	6
	-	M12 x 1.75 X 250 mm (10 inch) Threaded Rod	1
C	3E-3882	Eyebolt	1
D	1P-1859	Retaining Ring Pliers	1
E	1P-0510	Driver Gp	1
	9S-9152	Bearing Puller Gp	1
F	1P-1861	Retaining Ring Pliers	1
G	-	Loctite 242	-



Illustration 1

g00887762

1. Install O-ring seal (35) onto the housing of the travel motor.



Illustration 2

g00887754

2. Install seal (34) and piston actuator (33). Lubricate the surfaces of piston actuator (33) with lubricant that is being sealed.

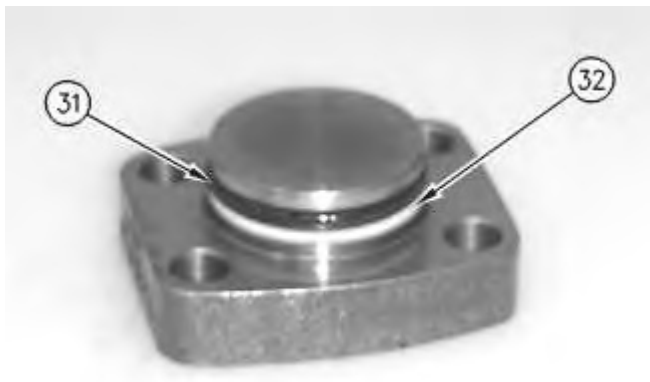


Illustration 3

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3. Install backup ring (32) and seal (31).

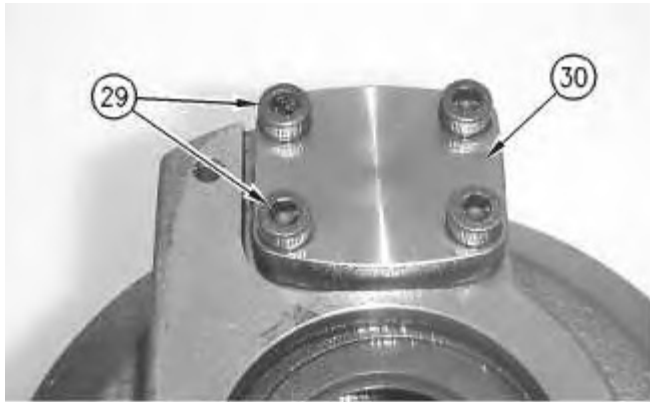


Illustration 4

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4. Install cover (30) and bolts (29). Tighten bolts (29) to a torque of 28 ± 7 N·m (21 ± 5 lb ft).



Illustration 5

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5. Apply Tooling (G) to the mating surface of lip seal (28). Use Tooling (E) to install lip seal (28). Lubricate the sealing lip of lip seal (28) with lubricant that is being sealed.
6. Use Tooling (F) to install retaining ring (27).

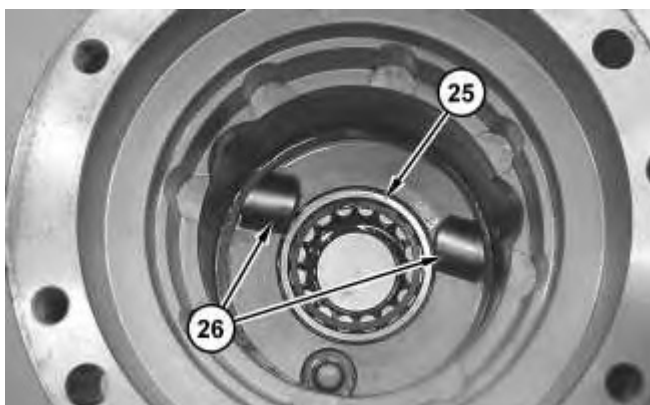


Illustration 6

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7. Rotate the housing.

8. Install keys (26) and locating pins (not shown) into the body of the travel motor.
9. Install bearing (25).



Illustration 7

g00887558



WARNING

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

10. Install springs (24) into the barrel assembly. Install ball (23) onto springs (24). Lubricate ball (23) with lubricant that is being sealed.



Illustration 8

g00887520

11. Lubricate the piston assemblies with lubricant that is being sealed. Install piston assemblies and retainer plate (22) into barrel assembly (21).

Note: Take note of the mark on the piston assembly and the barrel assembly. The pistons must be returned to the same position.

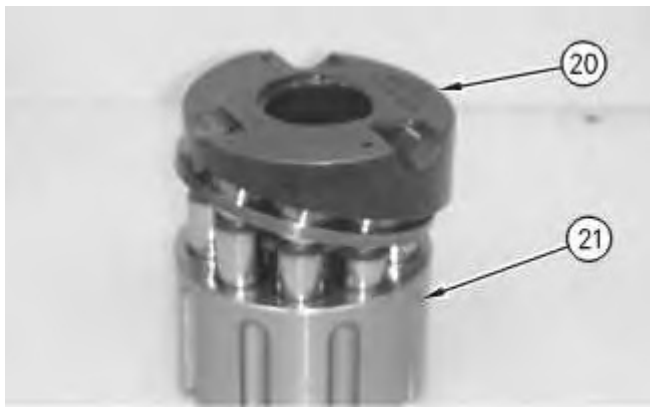


Illustration 9

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12. Lubricate cam plate (20) with lubricant that is being sealed. Install cam plate (20) onto barrel assembly (21).

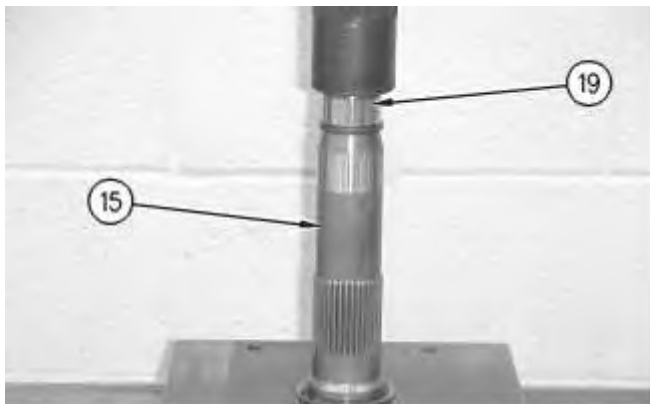


Illustration 10

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13. Install shaft (15) into a suitable press. Install bearing race (19) onto shaft (15).

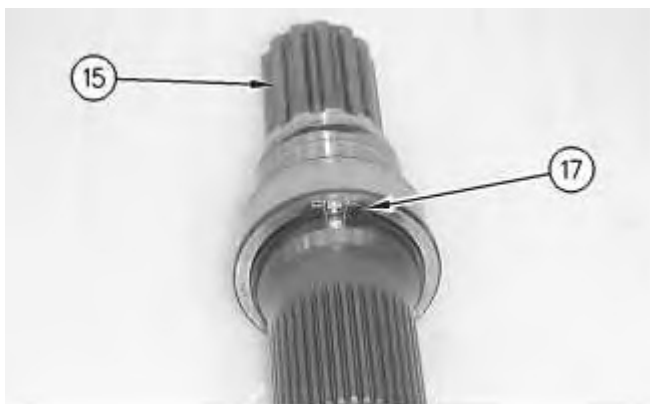


Illustration 11

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14. Rotate shaft (15) in the suitable press. Use Tooling (D) to install retaining ring (17) onto shaft (15).

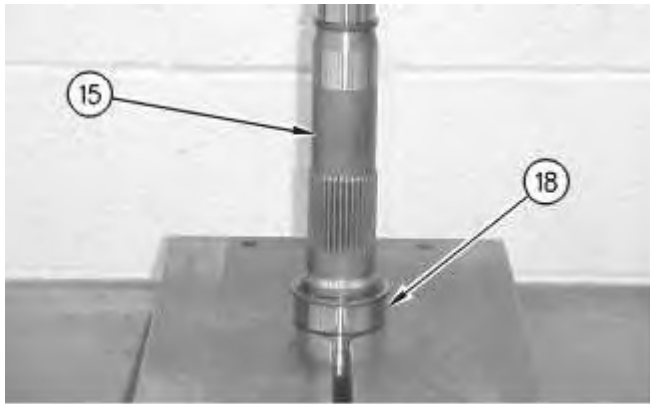


Illustration 12

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15. Install bearing race (18) onto shaft (15).

Note: Bearing race (18) must contact retaining ring (17).

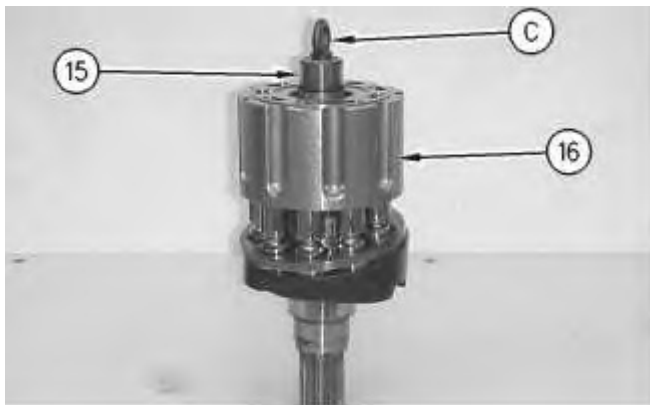
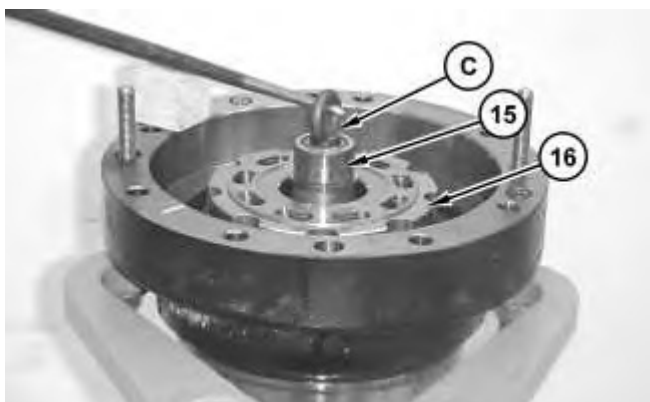


Illustration 13

g00887405

16. Install Tooling (C) into shaft (15). Install shaft (15) into rotating assembly (16).

17. Place the pump housing into Tooling (A).



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