



Service Repair Manual

Models

330F 330F L and 330F LN
Excavator

Product: EXCAVATOR

Model: 330F EXCAVATOR KFA

Configuration: 330F L & 330F LN Excavators KFA00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly C7.1 Engines for Caterpillar Built Machines

Media Number -UENR4468-15

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i05018640

Rear Power Take-Off (RPTO) - Remove

SMCS - 1165-011-RE

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0520	Driver Group	1

Start By:

- a. Remove the flywheel. Refer to Disassembly and Assembly, "Flywheel - Remove" for the correct procedure.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. If necessary, remove the OEM equipment from the rear power take-off (RPTO).
-

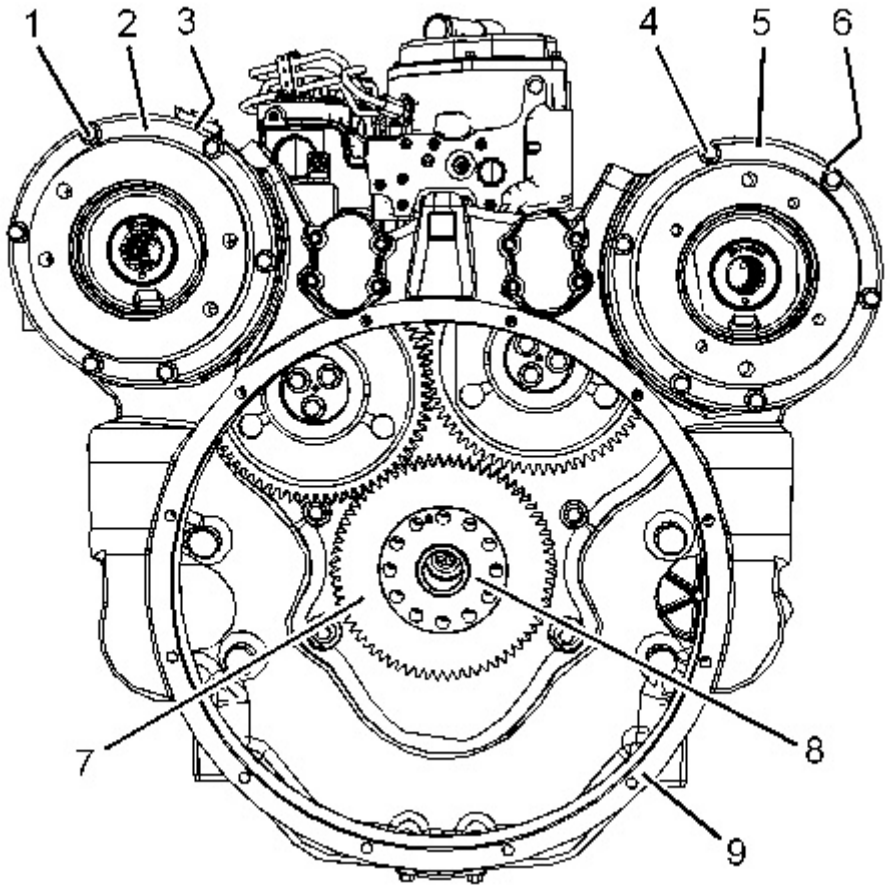


Illustration 1

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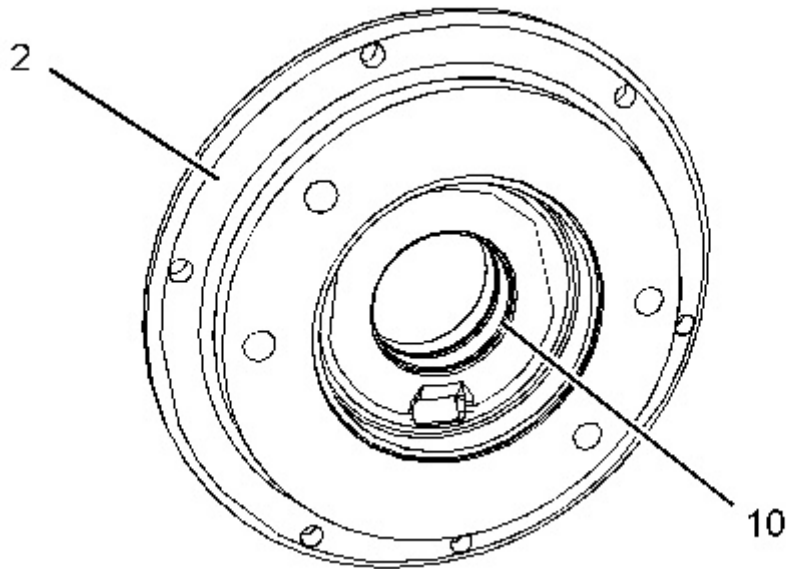


Illustration 2

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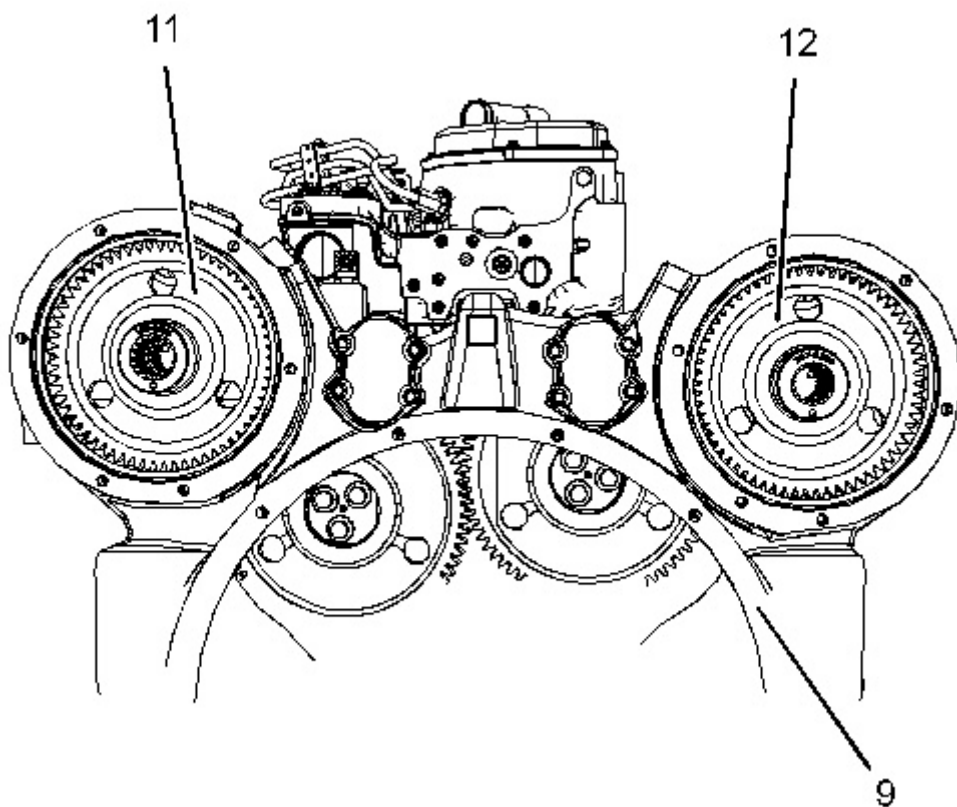
2. Remove bolts (1). Remove adapter (2) from flywheel housing (9). Remove O-ring seal (3) (not shown).

Note: Make a temporary mark on the adapter and the flywheel housing in order to show the correct orientation of the adapter.

3. Remove bolts (4). Remove adapter (5) from flywheel housing (9). Remove O-ring seal (6) (not shown).

Note: Make a temporary mark on the adapter and the flywheel housing in order to show the correct orientation of the adapter.

4. Remove gear (7) from crankshaft (8).
5. If necessary, follow Steps 5.a through Steps 5.b in order to remove the sleeve bearing from the adapter.
 - a. Place adapter (2) onto suitable support.
 - b. Use Tooling (A) and a suitable press in order to remove sleeve bearing (10) from adapter (2).
6. Repeat Steps 6.a through Step 6.b in order to remove the sleeve bearing from adapter (5).
 - a. Place adapter (5) onto suitable support.
 - b. Use Tooling (A) and a suitable press in order to remove sleeve bearing (10) from adapter (5).



7. Remove gear assembly (11) and gear assembly (12) from flywheel housing (9).

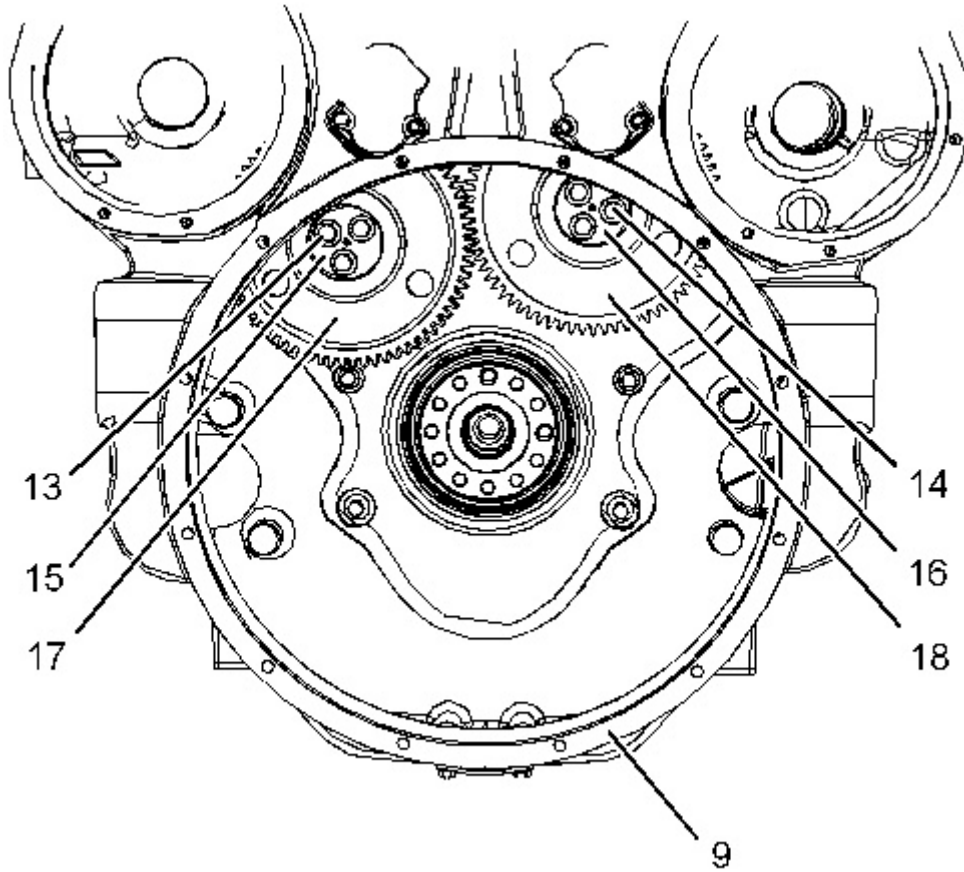


Illustration 4

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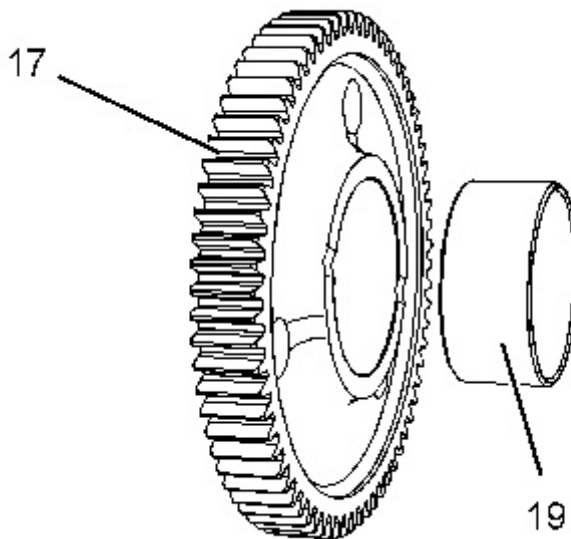


Illustration 5

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8. Remove bolts (13). Remove gear (17) and idler hub (15) from flywheel housing (9).

9. Remove bolts (14). Remove gear (18) and idler hub (16) from flywheel housing (9).
 10. If necessary, follow Steps 10.a through Steps 10.b in order to remove the sleeve bearing from the gear.
 - a. Place gear (17) onto suitable support.
 - b. Use Tooling (A) and a suitable press in order to remove sleeve bearing (19) from gear (17).
-

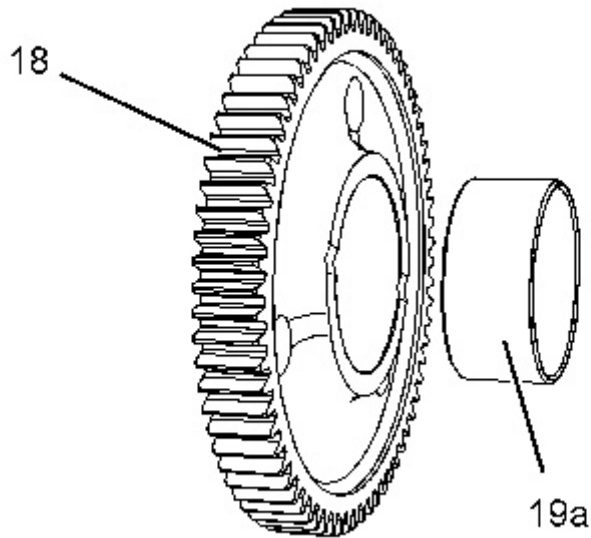


Illustration 6

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11. Repeat Steps 11.a through Step 11.b in order to remove the sleeve bearing from the remaining gear.
 - a. Place gear (18) onto suitable support.
 - b. Use Tooling (A) and a suitable press in order to remove sleeve bearing (19a) from gear (18).
-

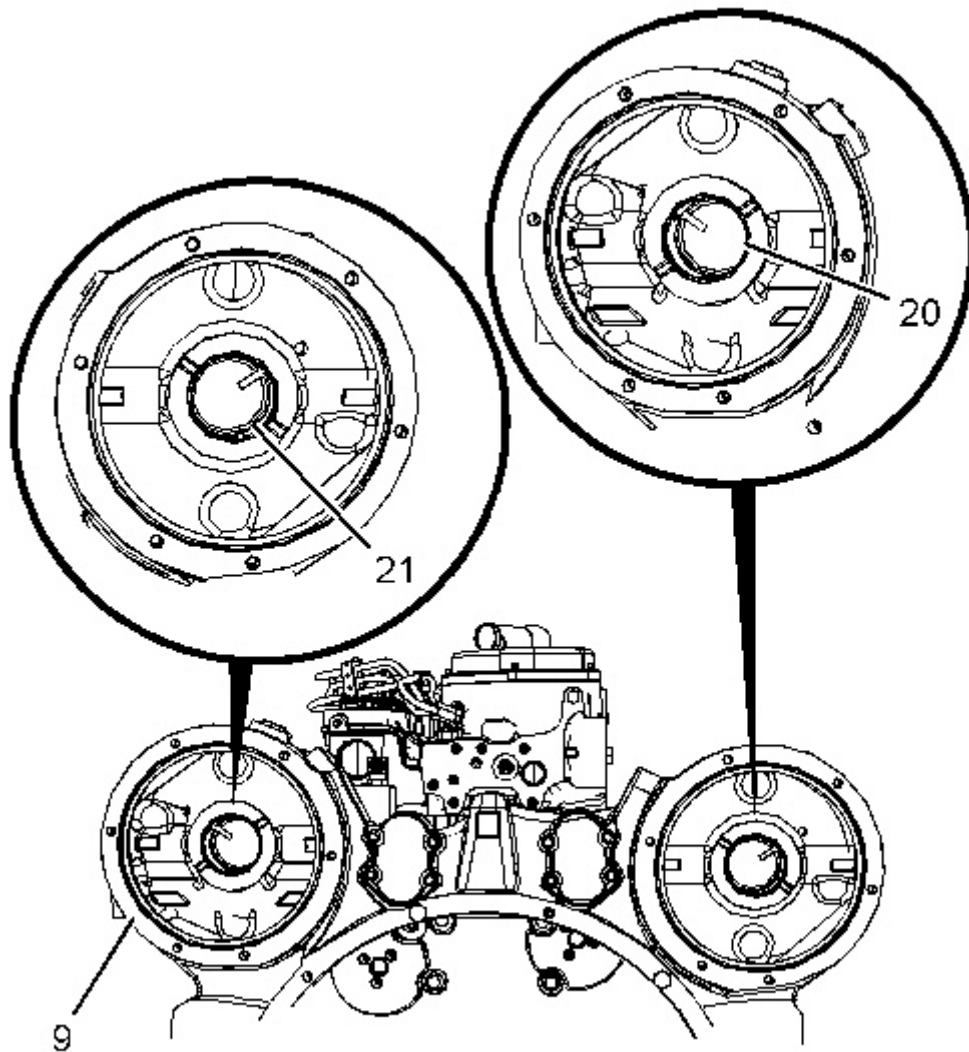


Illustration 7

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12. If necessary, follow Steps 12.a through Steps 12.b in order to remove the sleeve bearings from the flywheel housing.
 - a. Use a suitable tool in order to remove sleeve bearing (20) from flywheel housing (9).
 - b. Repeat Step 12.a in order to remove sleeve bearing (21) from flywheel housing (9).

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