



Service Repair Manual

Models

320C LN EXCAVATOR

Product: EXCAVATOR

Model: 320C EXCAVATOR AXK

Configuration: 320C LN Excavator AXK00001-UP (MACHINE) POWERED BY 3066 Engine

Disassembly and Assembly 3064 and 3066 Engines for Caterpillar Built Machines

Media Number -SEN5553-10

Publication Date -01/05/2012

Date Updated -15/05/2012

i01146335

Engine Oil Pump - Remove

SMCS - 1304-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2320	Combination Puller	1
B	1P-0510	Driver Group	1

Start By:

- A. Remove the front housing. Refer to Disassembly and Assembly, "Housing (Front) - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers

before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

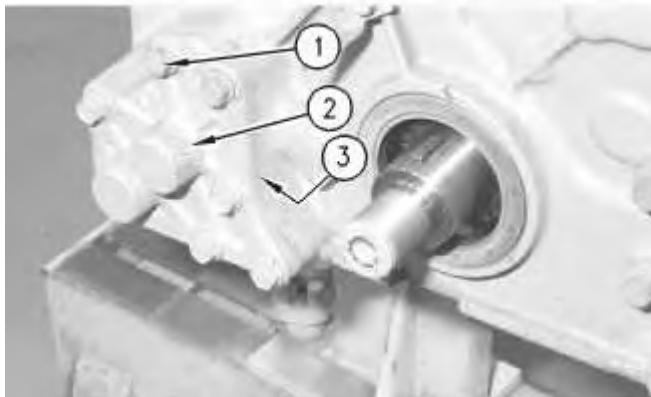


Illustration 1

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Note: Illustration 1 does not show that the front housing is removed from the cylinder block.

1. Remove bolt (1) from the cover (2) .
2. Remove cover (2) for the engine oil pump from the front housing. Check gasket (3) (not shown) for damage or wear. Replace the gasket, if the gasket is worn or damaged.

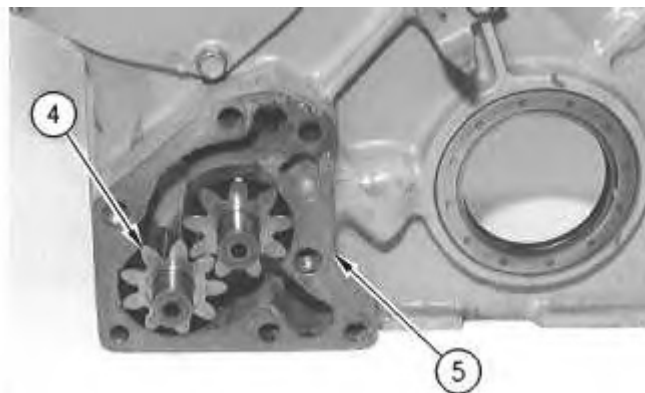


Illustration 2

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3. Remove driven gear (4) for the oil pump. Pull the gear straight out of the front housing (5) (slip fit).

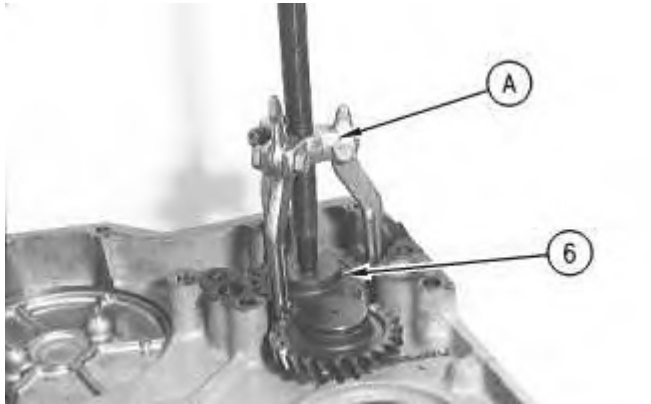


Illustration 3

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4. Position the front housing on a work bench in order to remove the oil pump gear from the rear of the housing.
5. Use Tool (A) to remove oil pump gear (6) from the front housing.

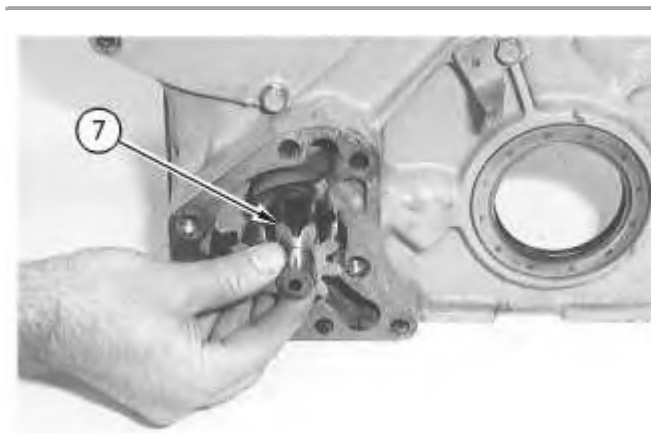


Illustration 4

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6. Position the front housing on a work bench in order to remove the drive gear from the front of the housing.
 7. Remove drive gear (7) from the front housing.
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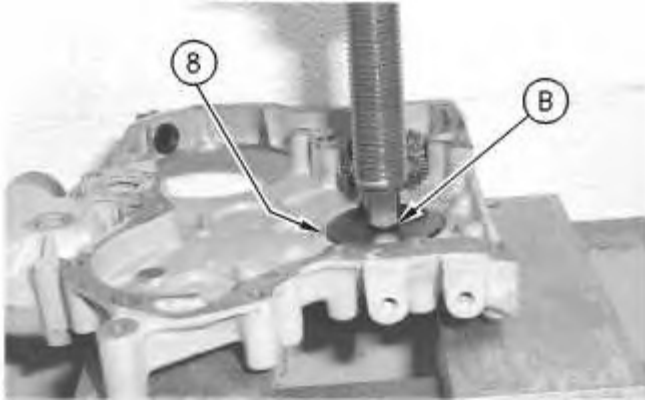


Illustration 5

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8. Use Tool (B) to remove front oil seal (8) (not shown) from the front housing.

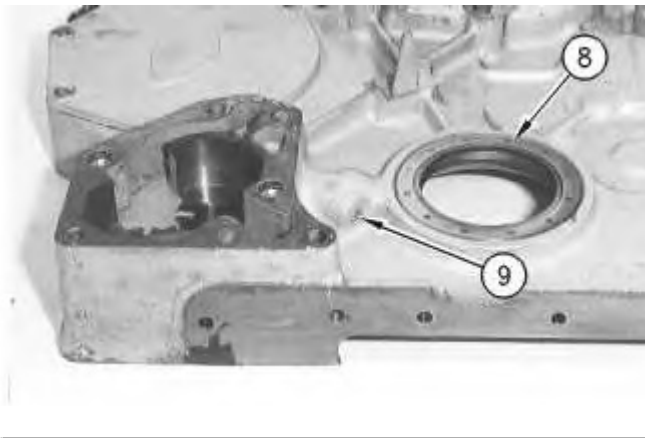


Illustration 6

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Note: Illustration 6 does not show that the front seal (8) is removed.

9. Remove set screw (9) from the front housing.

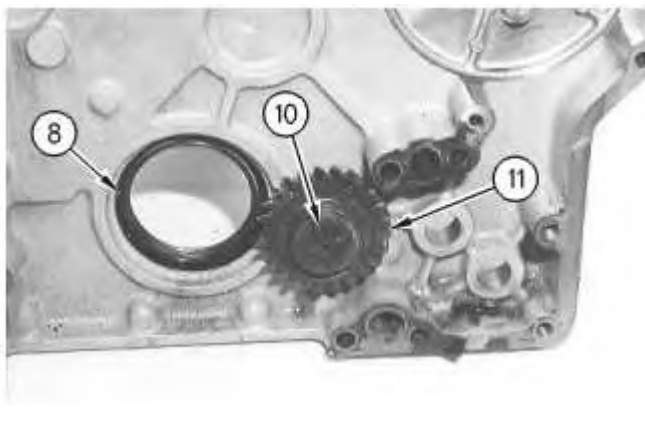


Illustration 7

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