



Service Repair Manual

Models

320D RR and 320D LRR
Excavator

Product: EXCAVATOR

Model: 320D LRR EXCAVATOR EBY

Configuration: 320D RR & 320D LRR Excavators EBY00001-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

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Flywheel Housing - Remove and Install

SMCS - 1157-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	1
B	1P-0510	Driver Group	1

Start By:

- A. Remove the electric starting motor.
- B. Remove the flywheel and ring gear.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

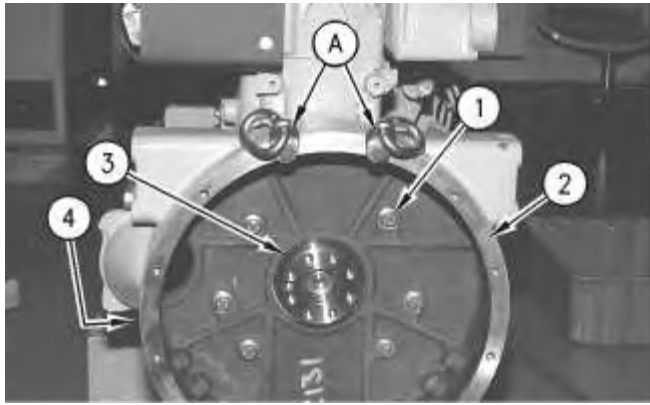


Illustration 1

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1. Install Tooling (A) , a strap, and a suitable lifting device onto flywheel housing (2) .
2. Remove bolts (1) and the washers that secure flywheel housing (2) to the cylinder block.
Note: Identify the four shorter bolts for later installation into the flywheel housing.
3. Remove flywheel housing (2) . The weight of the flywheel is approximately .29 kg (65 lb).
4. Check oil seal (3) for serviceability. If necessary, replace the oil seal and crankshaft wear sleeve.

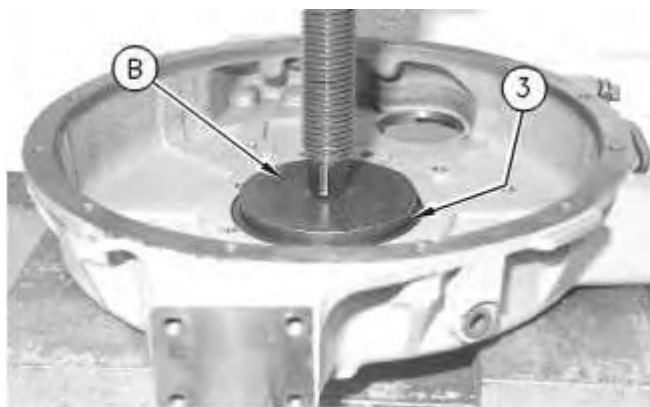


Illustration 2

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5. Use Tooling (B) in order to remove the oil seal (3) (not shown).

Installation Procedure

Table 2

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	1

NOTICE

Keep all parts clean from contaminants.

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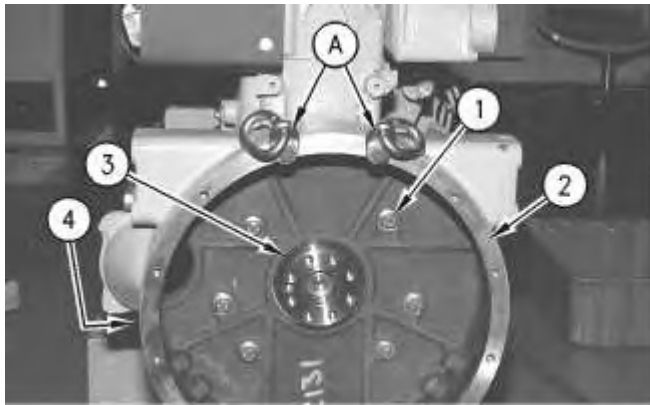


Illustration 3

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1. Clean old gasket material (4) from the mating surfaces of the cylinder block and the flywheel housing. Install a new gasket on the cylinder block.
2. Place flywheel housing (2) in position on the cylinder block.
3. Install the washers and bolts (1) in order to secure flywheel housing (2) to the cylinder block.
4. Use Tooling (B) in order to install the oil seal (3) , and the crankshaft wear sleeve (not shown).

End By:

- a. Install the flywheel.
- b. Install the electric starting motor.

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Crankshaft Pulley - Remove and Install

SMCS - 1205-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2321	Combination Puller	1
B	6V-9120	Socket ⁽¹⁾	1

⁽¹⁾ Tool (B) is a 46 mm socket.

Start By:

- A. Remove the V-belts. Refer to Disassembly and Assembly, "V-Belts - Remove and Install".

NOTICE

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