



Service Repair Manual

Models

320D and 320D L Excavator

Product: EXCAVATOR

Model: 320D L EXCAVATOR A8F

Configuration: 320D & 320D L Excavators A8F00001-UP (MACHINE) POWERED BY C6.4 Engine

Disassembly and Assembly C6.4 Engine for Caterpillar Built Machines

Media Number -KENR8106-09

Publication Date -01/10/2017

Date Updated -18/10/2017

i01615317

Crankshaft Rear Seal - Install

SMCS - 1161-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	9U-6169	Installer	1
	9U-6171	Locator	1
	9U-6172	Bolt	2
	5P-8247	Hard Washer	1
	6V-3303	Bolt	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. To install a new wear sleeve that is complete with a seal, use **169-5464** Quick Cure Primer to clean the outer diameter of the crankshaft and the inside diameter of the wear sleeve. Apply **4C-9507** Retaining Compound to the faces of all the mating parts.
-

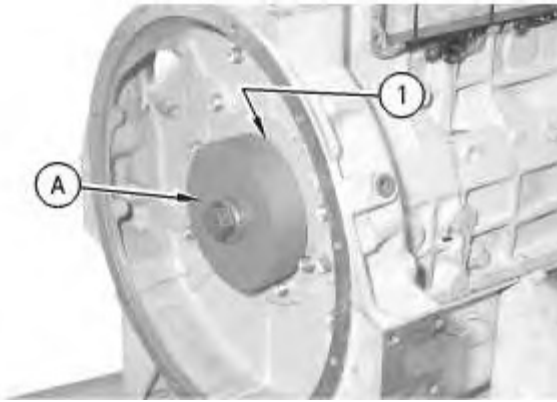


Illustration 1

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2. Install a new wear sleeve that is complete with a seal (1) (not shown) with Tool (A), as follows:

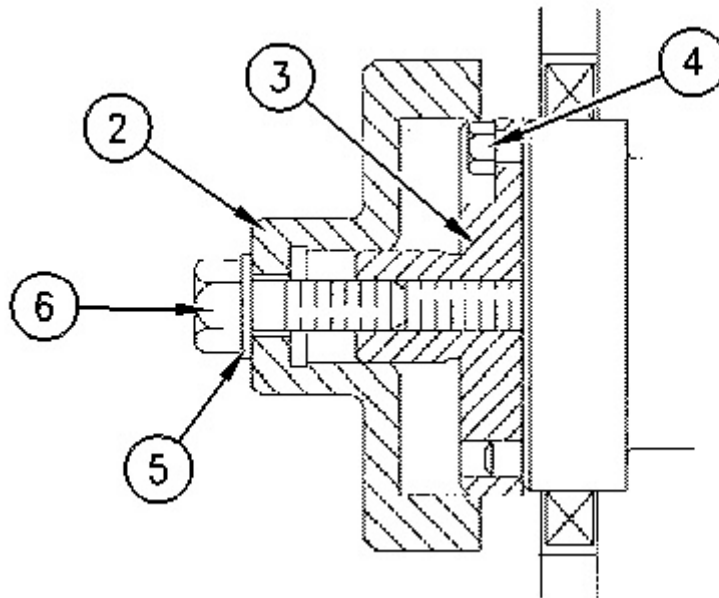


Illustration 2

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- a. Install **9U-6171** Locator (3) onto the crankshaft with **9U-6172** Bolt (4).
- b. Put the new wear sleeve that is complete with a seal in **9U-6169** Installer (2).
- c. Put **6V-3303** Bolt (6) through **5P-8247** Hard Washer (5) and **9U-6169** Installer (2) and thread into **9U-6171** Locator (3).
- d. Push the wear sleeve that is complete with a seal onto the crankshaft until **9U-6169** Installer (2) bottoms out.

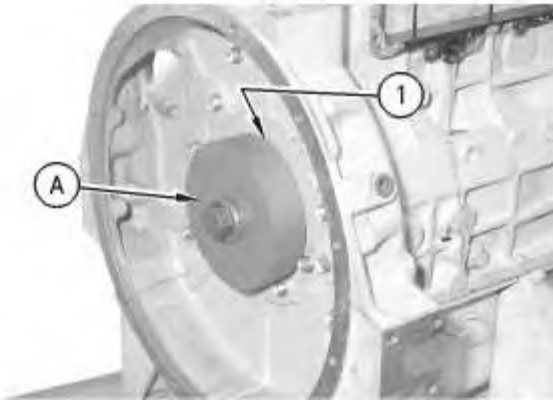


Illustration 3

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- e. Remove Tool (A) and check crankshaft rear seal (1) (not shown) for correct installation.

End By:

- a. Install the flywheel. Refer to Disassembly and Assembly, "Flywheel - Install".

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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:

- Remove the electric starting motor. Refer to Disassembly and Assembly, "Electric Starting Motor- Remove and Install".
- Remove the flywheel and ring gear. Refer to Disassembly and Assembly, "Flywheel - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

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