

Product: EXCAVATOR

Model: 320-A N EXCAVATOR 1XM

Configuration: 320, 320L & 320N TRACK-TYPE EXCAVATORS 1XM00001-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

i01135944

Crankshaft Rear Seal - Remove

SMCS - 1161-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-7600	Slide Hammer Puller	1
B	5P-7312	Seal Distorter	1
	5P-7338	Distorter Ring	2

Start By:

- a. Remove the flywheel. Refer to Disassembly and Assembly, "Flywheel - 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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

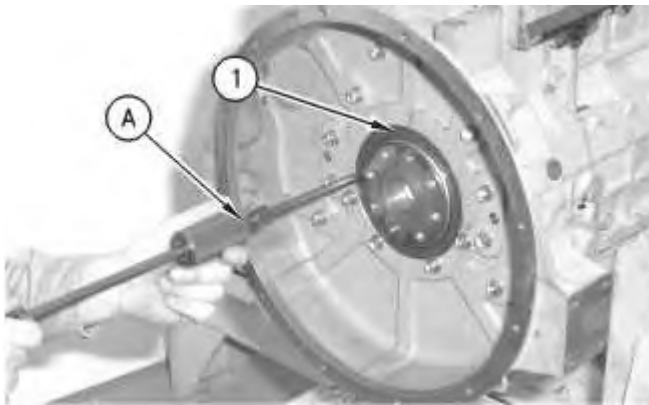


Illustration 1

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Note: If the oil seal shows a sign of oil leaks, remove the wear sleeve and the oil seal.

1. Drill three evenly spaced 3 mm (0.12 inch) holes in crankshaft rear seal (1).
2. Use Tool (A) to remove the crankshaft rear seal.

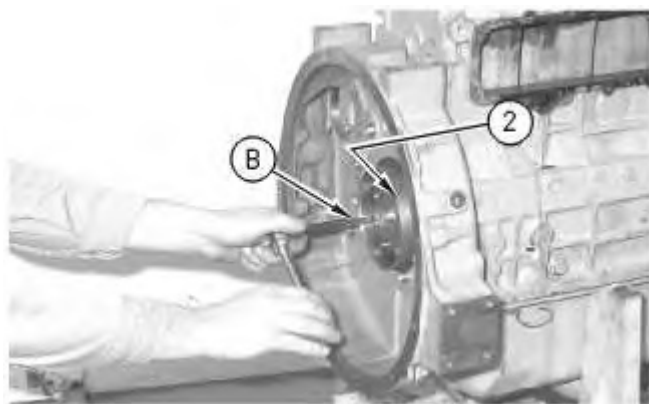


Illustration 2

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3. Use Tool (B) to remove the wear sleeve (2) (not shown) from the rear of the crankshaft.

Note: When you are removing the wear sleeve, take extreme care not to damage the crankshaft.

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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.
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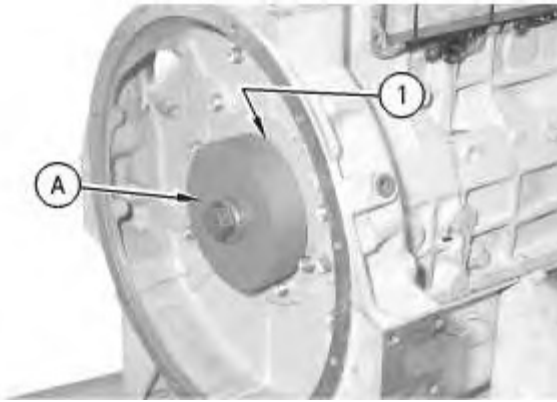


Illustration 1

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

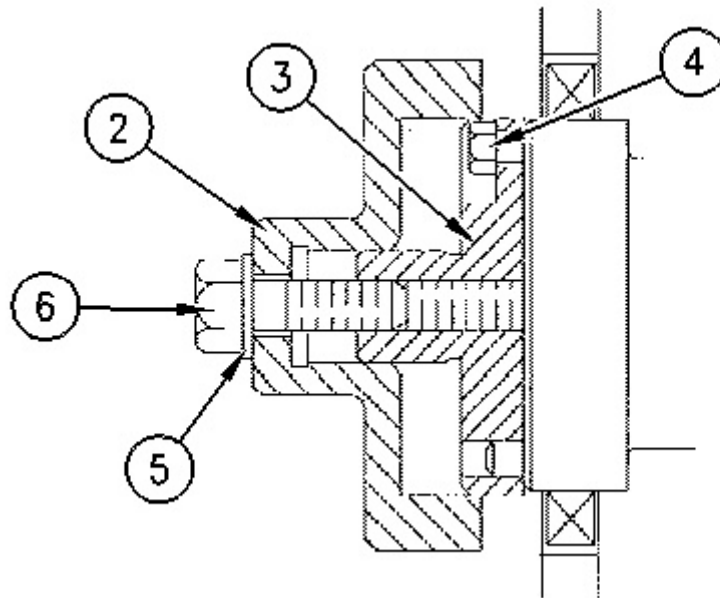


Illustration 2

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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.

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