



# Service Repair Manual

## **Models**

# 992K Wheel Loader

---

Product: WHEEL LOADER

Model: 992K WHEEL LOADER KK2

Configuration: 992K Wheel Loader KK200001-UP (MACHINE) POWERED BY C32 Engine

## Disassembly and Assembly C27 and C32 Engines for Caterpillar Built Machines

Media Number -KENR8148-13

Publication Date -01/09/2018

Date Updated -05/09/2018

i07416060

# Crankshaft Rear Seal - Remove and Install

SMCS - 1161-010

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-7600	Slide Hammer Puller	1
B	-	Pry Bar	1
C	5P-7312	Seal Distorter	1
D	5P-7314	Distorter Ring	1
E	249-2937 <sup>(1)</sup>	Seal Locator As	1
	5P-7310 <sup>(1)</sup>	Bolt	3
	9S-8858 <sup>(1)</sup>	Nut (Seal Installer)	1
	6V-6143 <sup>(1)</sup>	Seal Installer	1
	5P-1733 <sup>(2)</sup>	Seal Locator As	1
	5P-7309 <sup>(2)</sup>	Bolt	3
	9S-8858 <sup>(2)</sup>	Nut (Seal Installer)	1
	6V-6143 <sup>(2)</sup>	Seal Installer	1

<sup>(1)</sup> Large pilot for crankshaft gear (approximately 85 mm (3.3 inch) diameter)

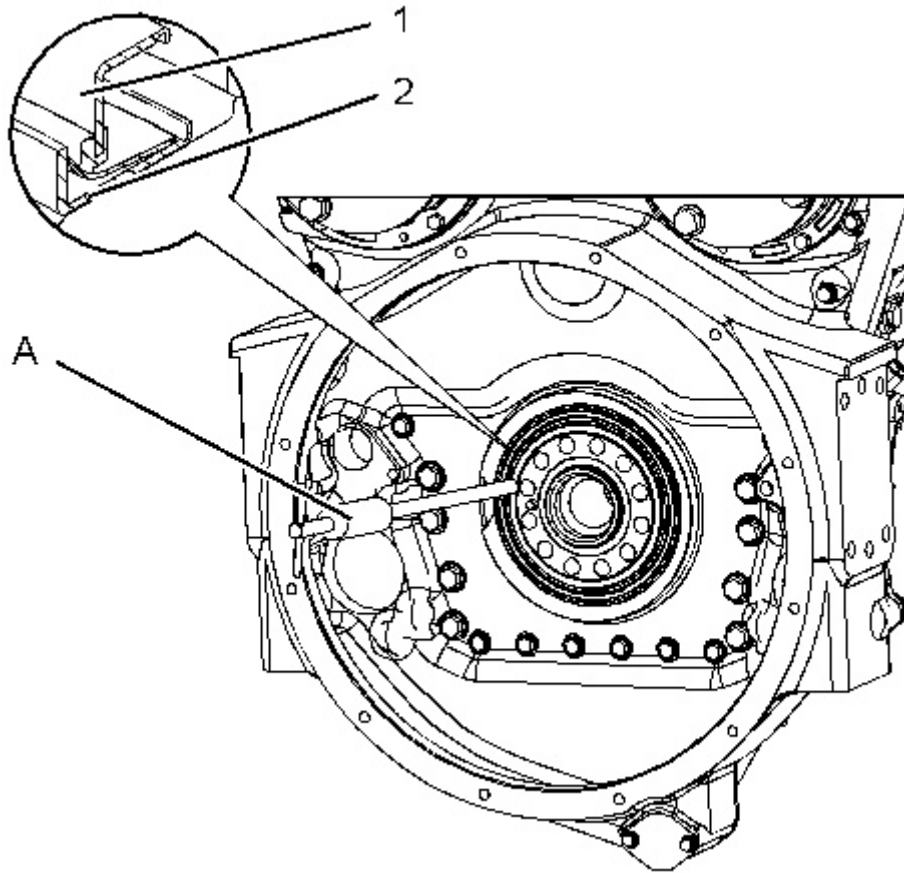
<sup>(2)</sup> Small pilot for crankshaft gear (approximately 52 mm (2.0 inch) diameter)

**Start By:**

- a. Remove the flywheel.

**Note:** Ensure that the rear gear remains in place when the crankshaft rear seal and crankshaft wear sleeve are removed.

1. Install two bolts from the flywheel and suitable washers through the rear gear in the crankshaft.



---

Illustration 1

g01146630

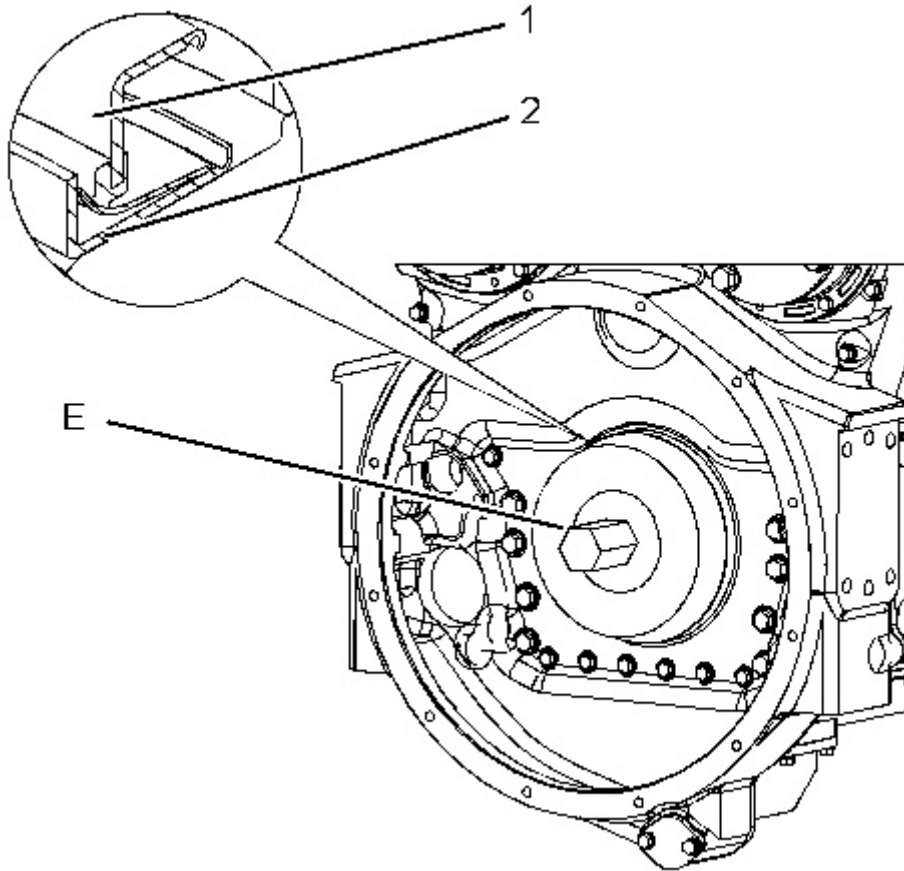
**Note:** Ensure that you do not damage the flywheel housing with Tooling (B).

**Note:** If the crankshaft wear sleeve starts to slide off the crankshaft, go to Step 3.

2. Use Tooling (B) to pry around the lip of crankshaft wear sleeve (2).
3. Use Tooling (A) or a punch and hammer in order to puncture three or more holes in crankshaft rear seal (1).
4. Use Tooling (A) to remove crankshaft rear seal (1).
5. If necessary, use Tooling (C) and Tooling (D) to remove crankshaft wear sleeve (2).

## Installation Procedure

---



---

Illustration 2

g01513824

1. Clean the outside diameter of the crankshaft.

**Note:** Install the crankshaft rear seal with the arrow that shows the direction of crankshaft rotation toward the rear of the engine.

2. Use Tooling (E) to install crankshaft wear sleeve (2) and crankshaft rear seal (1) as a unit.

**End By:**

- a. Install the flywheel.

Product: WHEEL LOADER

Model: 992K WHEEL LOADER KK2

Configuration: 992K Wheel Loader KK200001-UP (MACHINE) POWERED BY C32 Engine

## Disassembly and Assembly C27 and C32 Engines for Caterpillar Built Machines

Media Number -KENR8148-13

Publication Date -01/09/2018

Date Updated -05/09/2018

i04591909

# Rear Power Take-Off (RPTO) - Remove and Install

SMCS - 1165-RE

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2
B	5J-0490	Bolt	4
C	1P-0510	Driver Gp	1
D	5P-6190	Wear Sleeve	1
	5P-6209	Sleeve Driver	1

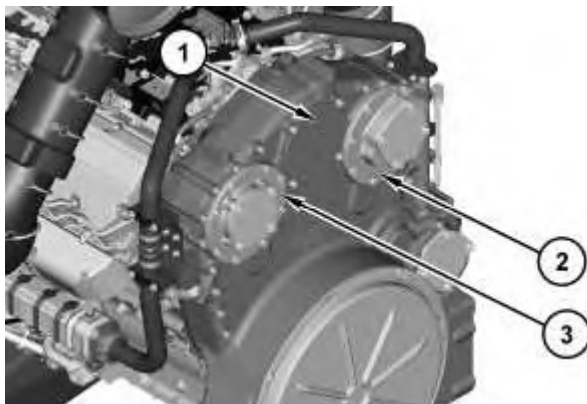


Illustration 1

g02745206

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)