



Service Repair Manual

Models

305E2 CR Mini Hydraulic
Excavator

Product: MINI HYD EXCAVATOR

Model: 305E2 CR MINI HYD EXCAVATOR DJX

Configuration: 305E2 CR Mini Hydraulic Excavator DJX00001-UP (MACHINE) POWERED BY C2.4 Engine

Disassembly and Assembly

C1.7, C1.8 and C2.4 Tier 4 Interim and EU Stage 3A Engines for Caterpillar Built Machines

Media Number -UENR0128-11

Publication Date -01/08/2015

Date Updated -09/06/2016

i05243487

Crankshaft Rear Seal - Remove

SMCS - 1161-011

Removal Procedure

Start By:

- a. Remove the flywheel.

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.

Dispose of all fluids according to local regulations and mandates.

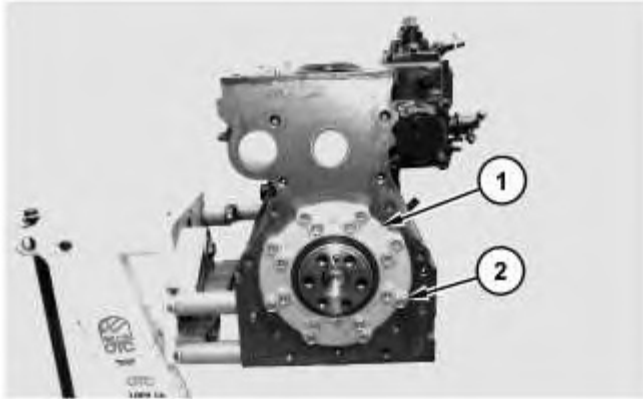


Illustration 1

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1. Remove bolts (2), bearing case cover (1), and the gaskets.

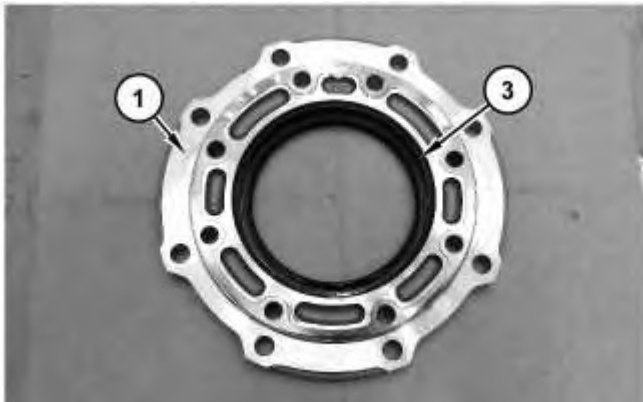


Illustration 2

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2. Remove crankshaft rear seal (3) from bearing case cover (1).

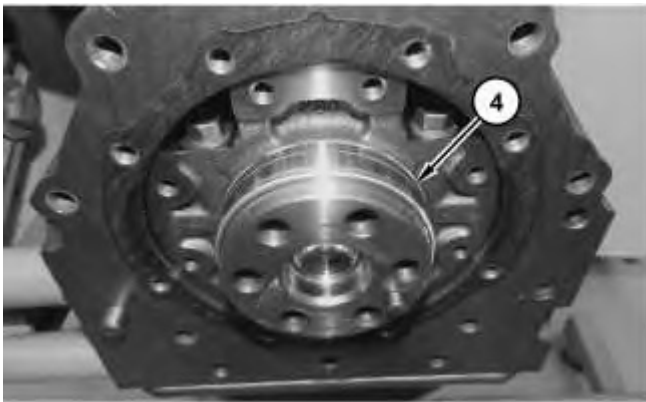


Illustration 3

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3. Use a chisel to remove wear sleeve (4) from the crankshaft.

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Crankshaft Rear Seal - Install

SMCS - 1161-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	387-1352	Wear Sleeve Installer and Guide	1
B	1P-0520	Driver	1
C	-	Loctite 17430	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

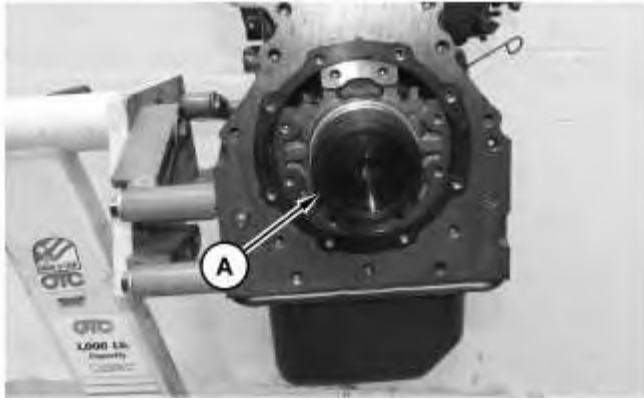


Illustration 1

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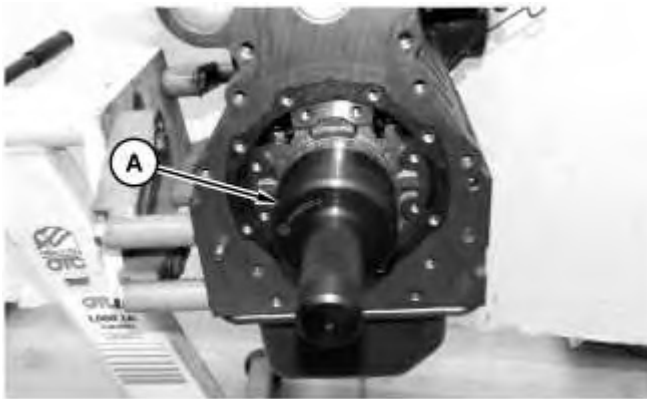


Illustration 2

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1. Position wear sleeve (4) on Tooling (A). Ensure that the crankshaft flange is clean, dry, and free from damage.
2. Apply Tooling (C) and use Tooling (A) to install the wear sleeve.

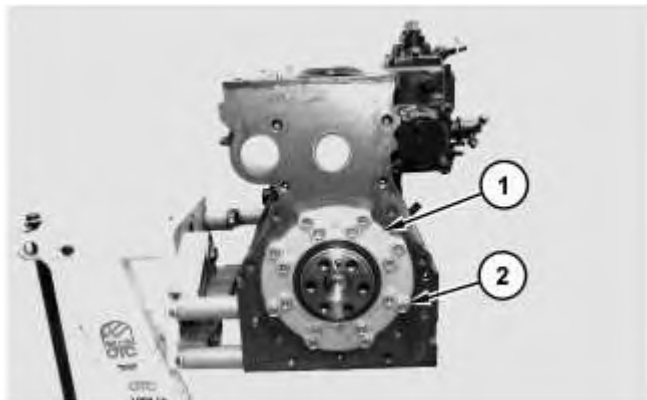


Illustration 3

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