



Service Repair Manual

Models

246D Skid Steer Loader

Product: SKID STEER LOADER

Model: 246D SKID STEER LOADER JSL

Configuration: 246D Skid Steer Loader JSL00001-UP (MACHINE) POWERED BY C3.3B Engine

Disassembly and Assembly C2.6 and C3.3B Engines for Caterpillar Built Machines

Media Number -UENR0137-11

Publication Date -01/08/2015

Date Updated -12/07/2018

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Crankshaft Rear Seal and Wear Sleeve - Remove - Includes Crankshaft Gear

SMCS - 1161-011; 7558-011

Removal Procedure

Start By:

- a. Remove the flywheel.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Place the engine at top dead center.



2. Use a screw driver to remove rear seal (1).



Illustration 2

3. Check the alignment of crankshaft gear (2) and camshaft gear (3). Remove crankshaft gear (2) and ring seal.

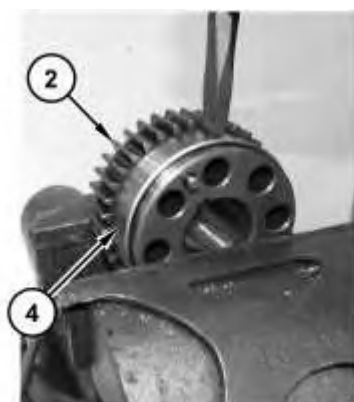


Illustration 3

4. Place crankshaft gear (2) with wear sleeve (4) in a suitable vice. Remove wear sleeve (4) with a suitable chisel.

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Crankshaft Rear Seal and Wear Sleeve - Install - Includes Crankshaft Gear

SMCS - 1161-012; 7558-012

Installation Procedure

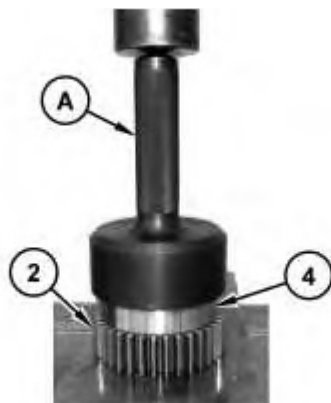
Table 1

| Required Tools | | | |
|----------------|-------------|---|-----|
| Tool | Part Number | Part Description | Qty |
| A | 390-1146 | Crankshaft Rear Seal and Wear Sleeve Driver ⁽¹⁾ | 1 |
| | 423-9665 | Crank shaft Rear Seal and Wear Sleeve Driver ⁽²⁾ | 1 |

⁽¹⁾ Used for the C3.3B

⁽²⁾ Used for the C2.6

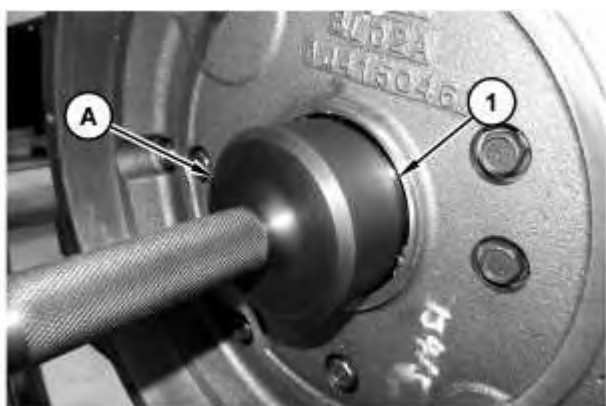
Note: Refer to Specification UENR0995 "Engine Design" for non-specified engine Torque Values.



1. Place wear sleeve (4) on crankshaft gear (2). Position Tooling (A). Use a suitable press and install wear sleeve (4).



2. Align crankshaft gear (2) with camshaft gear (3). Install crankshaft gear (2) into the flywheel housing.



3. Apply clean engine oil on the lip of crankshaft rear seal (1). Use Tooling (A) in order to install crankshaft rear seal (1).

End By:

- a. Install the flywheel.

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