



Service Repair Manual

Models

279D COMPACT TRACK LOADER

Product: COMPACT TRACK LOADER

Model: 279D COMPACT TRACK LOADER RCX

Configuration: 279D Compact Track Loader RCX00001-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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Engine Oil Relief Valve - Remove and Install

SMCS - 1315-010

Removal Procedure

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

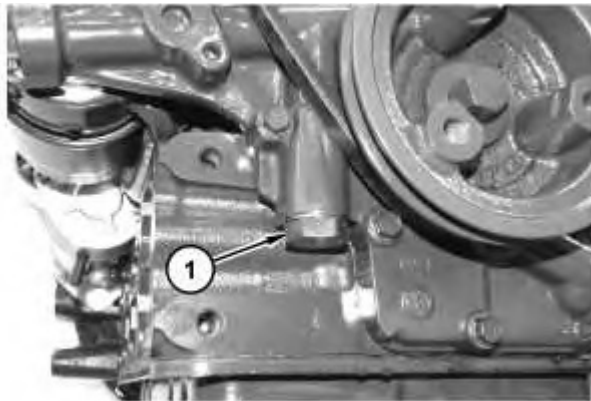


Illustration 1

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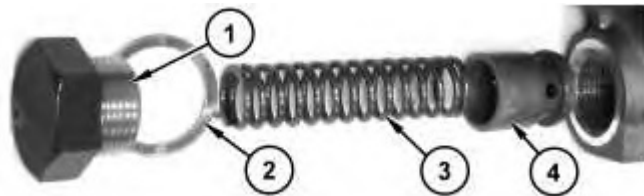


Illustration 2

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Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

1. Loosen plug (1). Carefully remove cap (1) from the front housing cover.

Note: The spring force will be released when the cap is removed.

2. Remove plug (1), washer (2), spring (3), and plunger (4) from the bore for the relief valve in the front housing cover.

Installation Procedure

1. Install engine oil relief valve (1) in the reverse order of removal.

- a. Install plug (1) and tighten plug (1) to a torque of 69 to 78 N·m (51 to 57 lb ft).

Note: Ensure that the spring is properly located inside the plunger and the cap.

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Engine Oil Pump - Remove and Install

SMCS - 1304-010

Removal Procedure

Start By:

- a. Remove the front housing.

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

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 screws (2) and cover (1).



Illustration 2

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2. Remove inner rotor (4) from outer rotor (3).

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	129-1967	White Grease	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

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