



Service Repair Manual

Models

336D2 L Excavator

Product: EXCAVATOR

Model: 336D2 L EXCAVATOR LAM

Configuration: 336D2 L Excavator LAM00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly C9 Engines for Caterpillar Built Machines

Media Number -REN9579-20

Publication Date -01/02/2015

Date Updated -15/08/2018

i06737900

Unit Injector Sleeve - Remove

SMCS - 1713-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-3042	Plug Tap	1
B	221-0052	Guide Sleeve	1
C	9U-6858	Bridge Plate	1
	1B-2886	Bolts	2
	221-9778	Puller Stud	1
	4K-0367	Full Nut	1
	5P-8247	Hard Washer	1
	9U-6877	Thrust Bearing	1
D	221-9803	Rubber Stopper	1

Start By:

- a. Remove the unit injectors. Refer to Disassembly and Assembly, "Unit Injector - 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.

1. Drain the coolant from the cooling system into a suitable container for storage or disposal. Refer to Operation and Maintenance Manual, "Refill Capacities and Recommendations".
 2. Position Tooling (D) at the bottom of the unit injector sleeve.
 3. Coat Tooling (A) with clean grease. Use Tooling (A) and Tooling (B) to cut threads into the unit injector sleeve.
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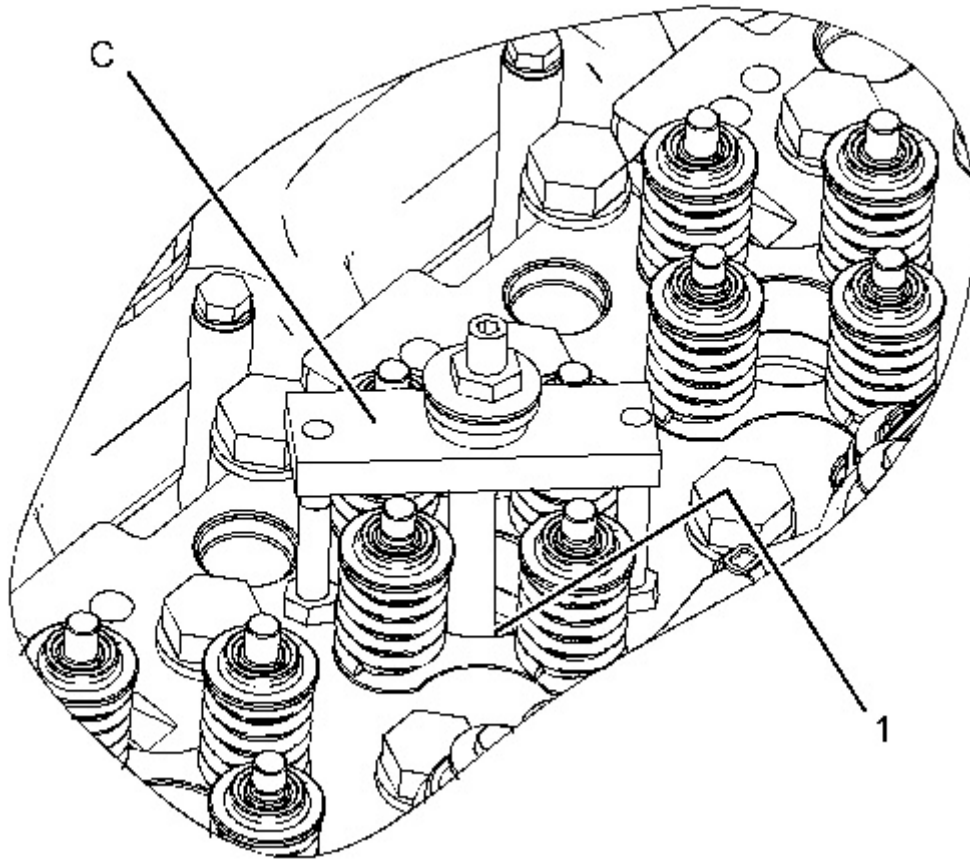


Illustration 1

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4. Install Tooling (C) in unit injector sleeve (1).
5. Remove unit injector sleeve (1). Remove the O-ring seals.

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i03742983

Unit Injector Sleeve - Install

SMCS - 1713-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
E	221-9777	Sleeve Installer	1
F	4C-5552	Large Bore Brush	1
G	4C-9507	Retaining Compound	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Thoroughly clean the unit injector sleeves and the bores for the unit injectors with Tooling (F) .
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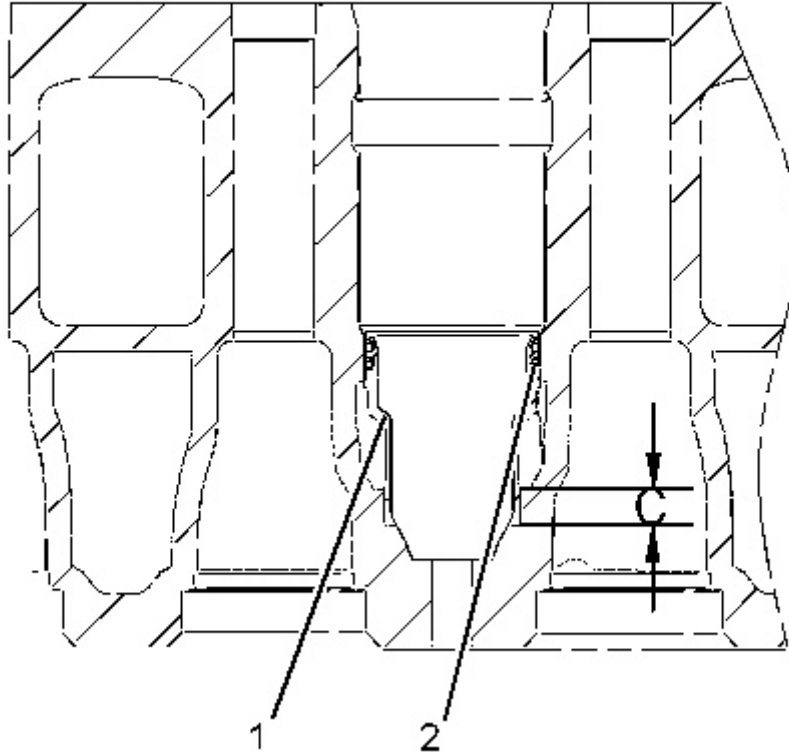


Illustration 1

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2. Apply clean engine oil to O-ring seals (2) . Install O-ring seals (2) on unit injector sleeve (1) .
3. Position unit injector sleeve (1) on Tooling (E) .
4. Apply a thin coating of Tooling (G) around the outer circumference of unit injector sleeve (1) at Area (C) .
5. Position unit injector sleeve (1) in the cylinder head. Use a hammer to install unit injector sleeve (1) in the cylinder head.

Note: Allow Tooling (G) to cure for two hours at 21 °C (70 °F) before filling the engine with fuel or coolant. Longer curing time is required for lower temperatures.

6. Fill the cooling system with coolant to the correct level. Refer to Operation and Maintenance Manual, "Refill Capacities and Recommendations".

End By: Install the unit injectors. Refer to Disassembly and Assembly, "Unit Injector - Install".

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Unit Injector Hydraulic Pump - Remove

SMCS - 1714-011

Removal Procedure for Non-Dual Tapered Roller Bearing HEUI Pump

Start By:

- A. Remove fuel filter base, if necessary.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

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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.

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