

Product: EXCAVATOR

Model: 329D2 EXCAVATOR TMJ

Configuration: 329D2 & 329D2 L Excavators TMJ00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly

C7.1 Engines

Media Number -UENR0633-19

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i05292267

Engine Oil Cooler - Install - Engine Oil Cooler with a Low Mounted Filter Base

SMCS - 1378-012

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Guide Stud M8 by 50 mm	2

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

Ensure that wiring harness are correctly routed and the cable straps are not over tightened. Over tightening of the cable straps will damage the wiring harness convoluting.

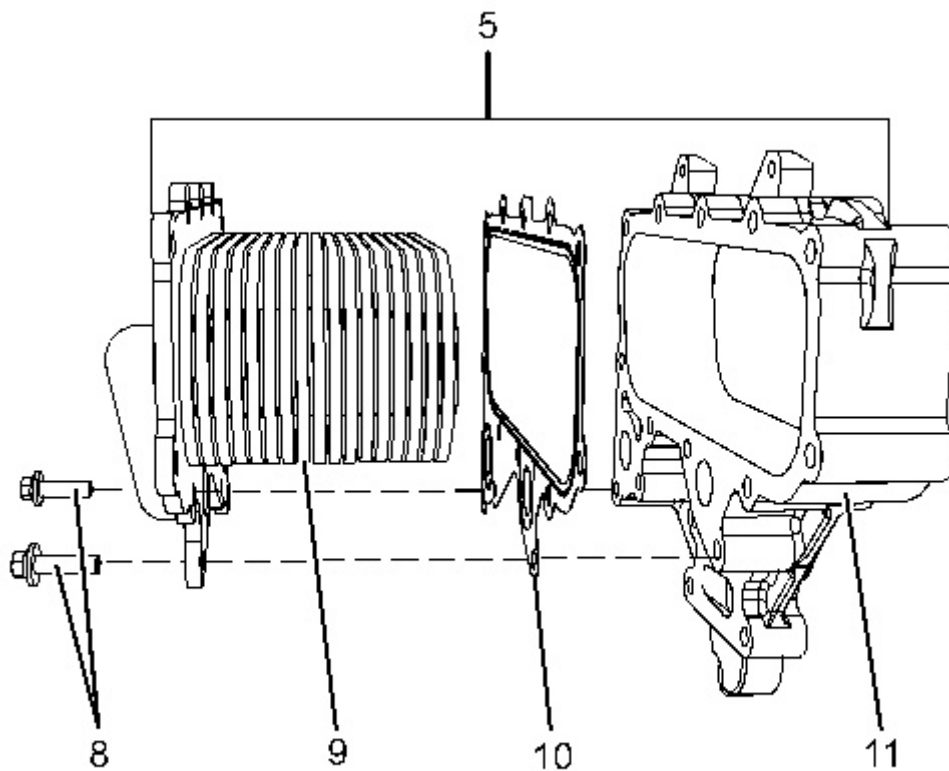


Illustration 1

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1. If necessary, follow Step 1.a through Step 1.d in order to assemble engine oil cooler (5).
 - a. Ensure that engine oil cooler matrix (10) is clean, free from damage and restriction. Replace engine oil cooler matrix (10) if damaged or restricted.
 - b. Ensure that spacer plate (11) is clean and free from damage. Replace spacer plate (11) if damaged.
 - c. Position a new gasket (10) onto spacer plate (17). Install engine oil cooler matrix (9) to the spacer plate.
 - d. Install bolts (8) finger tight.
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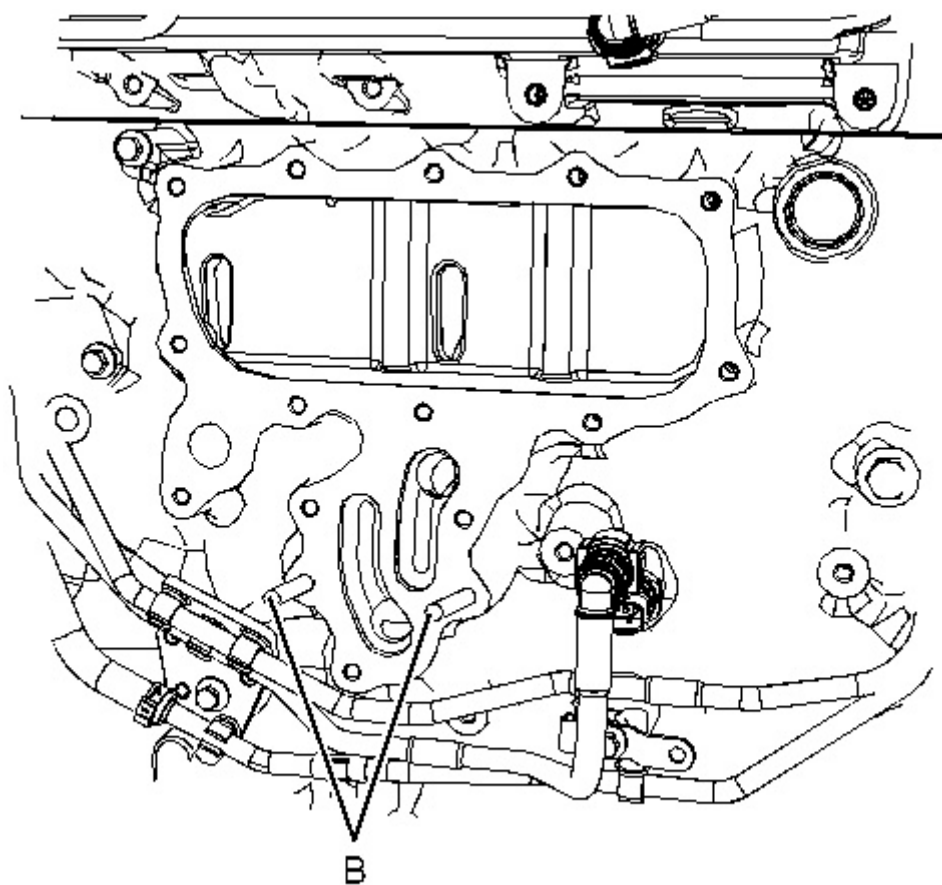


Illustration 2

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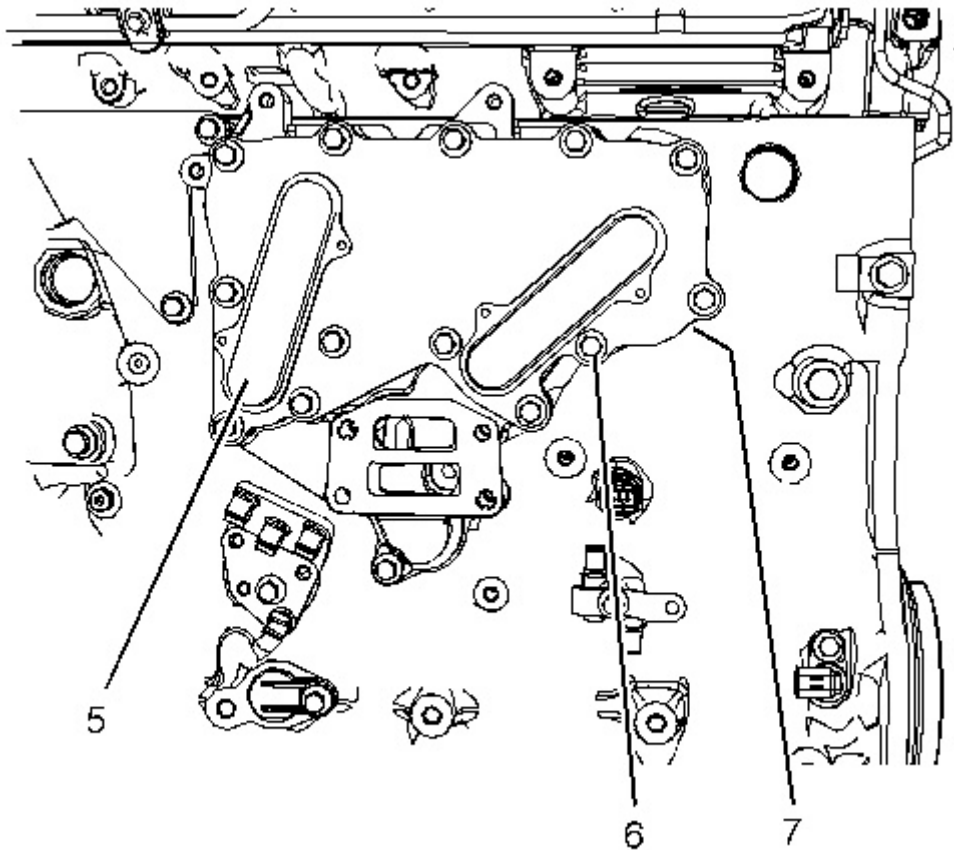


Illustration 3

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2. Clean the gasket surfaces of the cylinder block.
 3. Install Tooling (A) into Position (B).
 4. Position a new gasket (7) (not shown) onto Tooling (A). Ensure that the gasket is correctly orientated.
 5. Install the assembly of engine oil cooler (5) to the cylinder block.
 6. Install bolts (6) to engine oil cooler (5) finger tight. Support the engine oil cooler as the bolts are installed.
- Note:** Ensure that the bolts of different lengths are installed in the correct position.
7. Remove Tooling (A) and install remaining bolts (6).

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