

Product: MINI HYD EXCAVATOR

Model: 305.5E2 MINI HYD EXCAVATOR CR5

Configuration: 305.5E2 Mini Hydraulic Excavator CR500001-UP (MACHINE) POWERED BY C2.4 Engine

Disassembly and Assembly

C2.4 Tier 4 Final Engines for Caterpillar Built Machines

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i06546123

Flywheel - Remove and Install

SMCS - 1156-010

Removal Procedure

Table 1

Required Tooling			
Tool	Part Number	Part Description	Qty
A	421-5660	Lifting Eye Assembly	1
B	—	Guide Stud 12 mm - 1.25 - by 100 mm	2

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

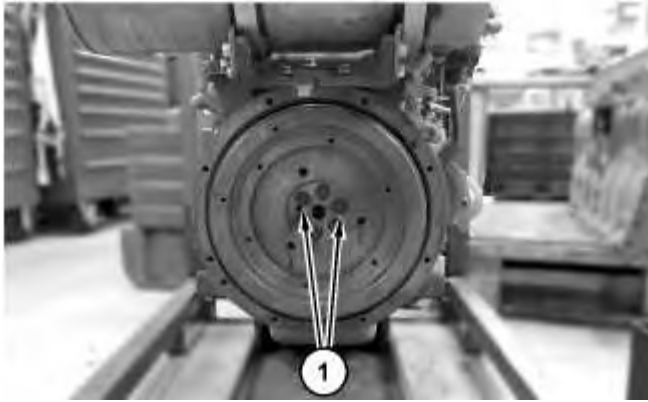


Illustration 1

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1. Insert the flywheel stopper tool.
2. Remove bolts (1).

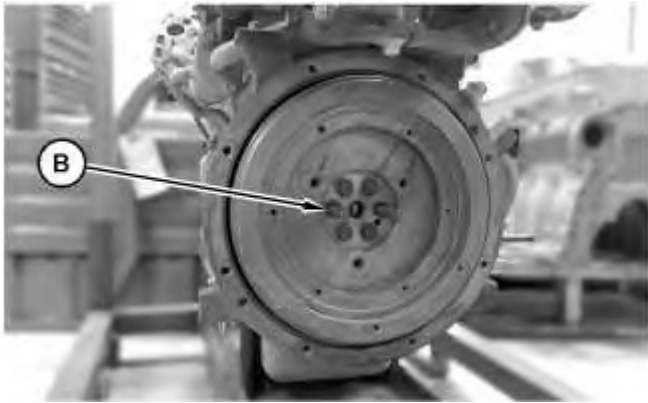


Illustration 2

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3. Insert Tooling (B).



Illustration 3

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4. Use Tooling (A) and a suitable lifting device to remove flywheel (2). The weight of flywheel (2) is approximately 25 kg (55 lb).

5. Remove remaining bolts (1) and flywheel (2).

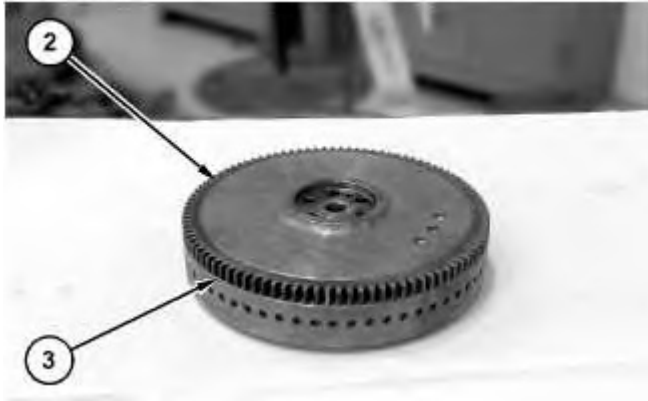


Illustration 4

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6. Inspect flywheel (2) and ring gear (3) for wear and damage. Replace any worn components or damaged components.
7. If necessary, remove flywheel gear (3), follow Step 7.a through Step 7.b
 - a. Place flywheel (2) on a suitable support.
 - b. Use a suitable hammer and a punch to remove ring gear (3) from flywheel (2). If necessary, a torch may be needed to heat ring gear (3).

Note: Identify the orientation of the teeth on the flywheel ring gear (3).

Installation Procedure

1. Install flywheel (2) in the reverse order of removal.
 - a. Apply clean engine oil to the threads of bolts (1).
 - b. Tighten bolts (1) to a torque of 98 N·m to 108 N·m (72 lb ft to 80 lb ft).

Note: Do not use a pneumatic device, serious damage will occur.

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