



Service Repair Manual

Models

420F2 Backhoe Loader

Product: BACKHOE LOADER

Model: 420F2 BACKHOE LOADER LBS

Configuration: 420F2 Center Pivot Backhoe Loader LBS00001-UP (MACHINE) POWERED BY 3054C, C4.4 Engine

Disassembly and Assembly 3054C Engines for Caterpillar Built Machines

Media Number -SEN5069-18

Publication Date -01/05/2015

Date Updated -19/09/2018

i02293555

Flywheel - Remove

SMCS - 1156-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Guide Bolt (1/2 inch - 20 NF by 4 inch)	2
B	138-7575	Link Bracket	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

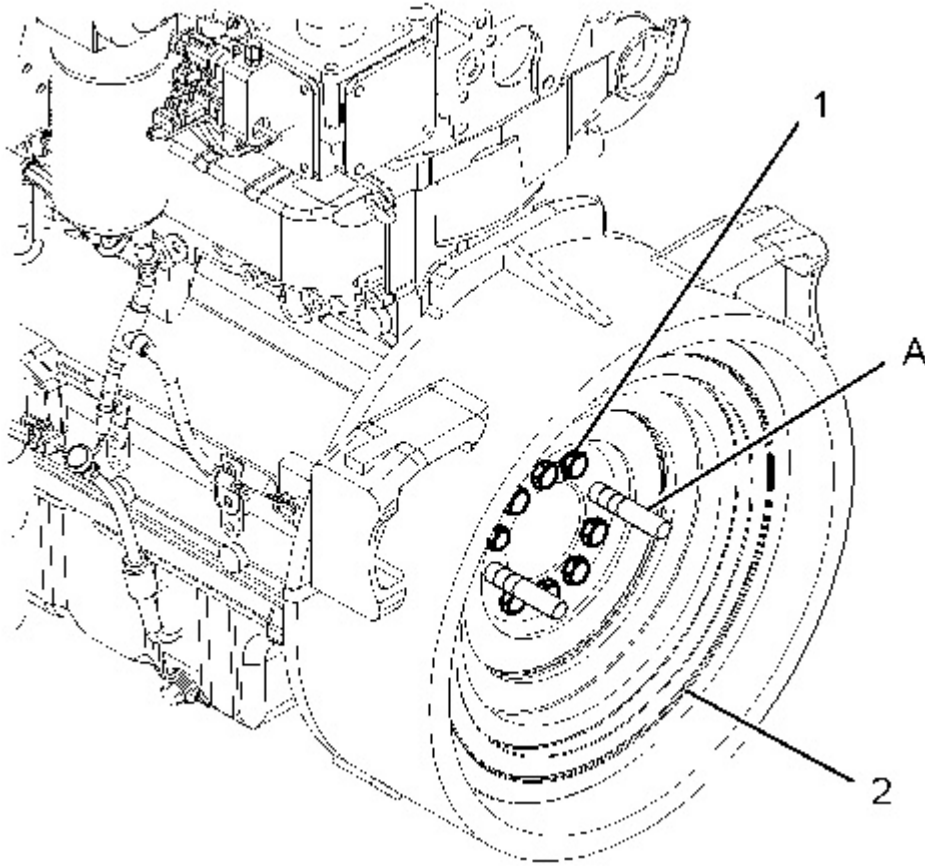


Illustration 1
Typical example

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1. Remove the two setscrews and install the Tooling (A) as guides.

Note: The weight of the flywheel (2) is approximately 54 kg (119 lb). Install the Tooling (B) in order to support the flywheel (2) before the remainder of the setscrews (1) are removed.

2. Remove the remaining setscrews (1) that secure flywheel (2) to the crankshaft.
 3. Remove the flywheel (2) from the engine.
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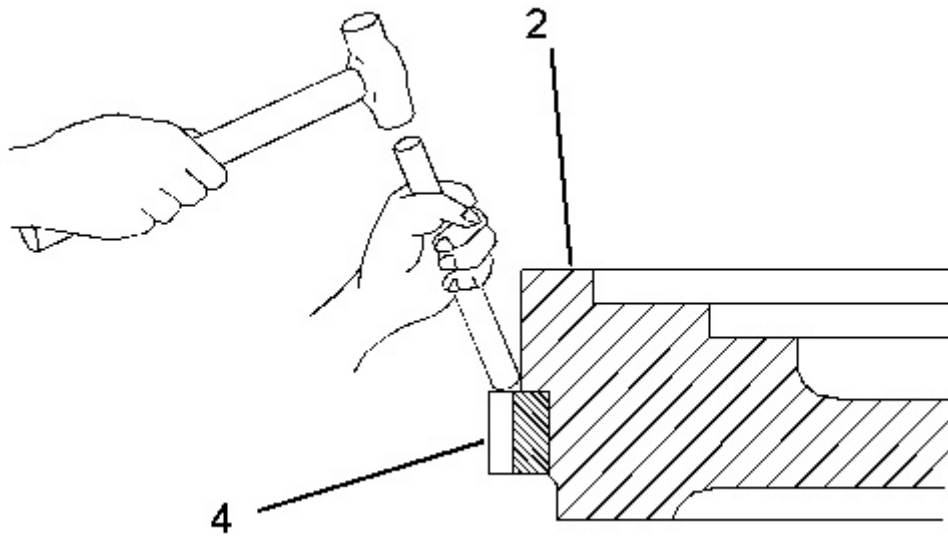


Illustration 2

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4. Check the condition of the ring gear (4). Remove the ring gear (4) if the ring gear is worn or damaged.

Note: Identify the orientation of the ring gear (4) on the flywheel (2) and the position of the chamfer on the teeth for the correct positioning when the new ring gear is installed.

5. Place the flywheel (2) and the ring gear (4) on a suitable support. Use a hammer and a chisel in order to remove the ring gear (4) from the flywheel (2).

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Disassembly and Assembly 3054C Engines for Caterpillar Built Machines

Media Number -SEN5069-18

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i07030444

Flywheel - Install

SMCS - 1156-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Guide Bolt (1/2 inch - 20 NF by 4 inch)	2
B	138-7575	Link Bracket	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Thoroughly clean the flywheel housing. Inspect the crankshaft rear seal for leaks. If there are any oil leaks, refer to this Disassembly and Assembly Manual, "Crankshaft Rear Seal - Remove" for the correct procedure.
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