



Service Repair Manual

Models

416B Backhoe Loader

Product: BACKHOE LOADER

Model: 416B BACKHOE LOADER 8SG

Configuration: 416B Backhoe Loader 8SG00001-11999 (MACHINE) POWERED BY 3054 Engine

Disassembly and Assembly 3054 Engine for Caterpillar Built Machines

Media Number -SEN6241-13

Publication Date -01/08/2008

Date Updated -04/08/2008

i04406238

Flywheel - Remove

SMCS - 1156-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.



Typical Example. Different lifting device shown than what is called out in the Table.



Illustration 2

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1. Install Tool (A) and a suitable lifting device on flywheel (1) .
2. Remove bolts (3) and bearing housing (4) .
3. Remove six bolts (2) and the washers from the flywheel.

Note: The 3054 and 3056 marine engines used several bolt patterns to attach the flywheel to the crankshaft. There are drilled holes that are not used in the crankshaft and in the flywheel.

4. Use the suitable lifting device in order to remove flywheel (1) . The weight of flywheel (1) and the flywheel ring gear is 53 kg (120 lb).
5. If removal of the flywheel ring gear is necessary, place an index mark on the chamfer of the flywheel ring gear for the installation process.



Illustration 3

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6. Use a hammer and a punch in order to remove flywheel ring gear (5) from flywheel (1) .

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Flywheel - Install

SMCS - 1156-012

Installation Procedure

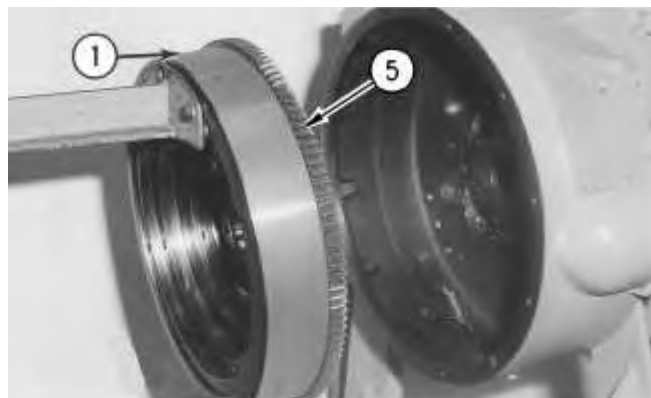
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Required Tools			
Tool	Part Number	Part Description	Qty
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WARNING

Always wear protective gloves when handling parts that have been heated.



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