



# Service Repair Manual

## **Models**

# 436C BACKHOE LOADER

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Product: BACKHOE LOADER

Model: 436C BACKHOE LOADER 2AR

Configuration: 436C Backhoe Loader Center Pivot, Parallel Lift 2AR01604-01874 (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

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#### NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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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

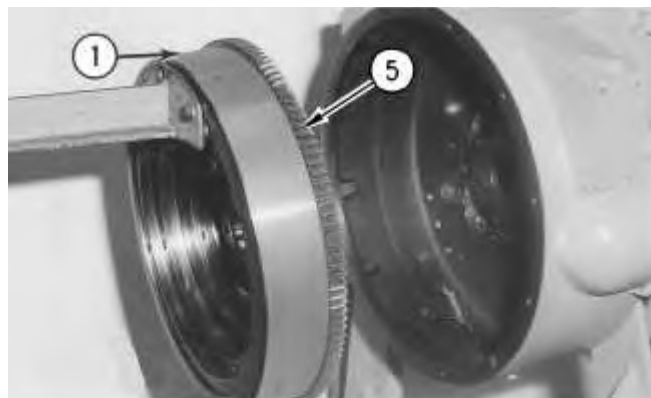
Table 1

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



**WARNING**

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



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