



Service Repair Manual

Models

130G MOTOR GRADER

Product: MOTOR GRADER

Model: 130G MOTOR GRADER 74V

Configuration: 130G Motor Grader 74V02321-UP (MACHINE) POWERED BY 3304 Engine

Disassembly and Assembly 3304B and 3306B Engines for Caterpillar Built Machines

Media Number -SEN5598-09

Publication Date -01/01/2013

Date Updated -25/01/2013

i04406240

Flywheel - Remove

SMCS - 1156-011

Removal Procedure

Table 1

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

Start By:

- A. Remove the electric starting motor. Refer to Disassembly and Assembly, "Electric Starting Motor - Remove and Install".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.



Illustration 1

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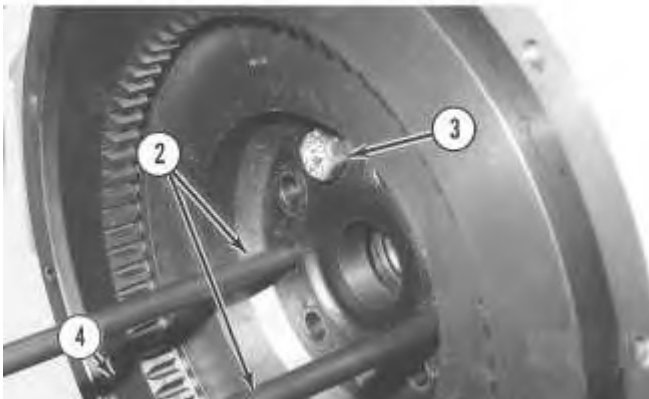


Illustration 2

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1. Install Tool (A) on the flywheel and attach a hoist.
2. Remove bolts (1) and flywheel (2) from the crankshaft. The weight of the flywheel is 72 kg (160 lb).
3. If necessary, use a hammer and a punch in order to remove the ring gear from the flywheel.
4. Use the following removal procedures to remove flywheels that cannot be mounted to Tooling (A) :
 - a. Remove eight bolts (1) .

Note: Secure the flywheel to the engine block by leaving one bolt at the top of the flywheel. Mark the flywheel and mark the crankshaft locations for installation purposes.
 - b. Install two 5/8 inch by 18 NF bolts.
 - c. Remove bolt (3) .
 - d. Slide flywheel (4) out of the flywheel housing onto bolts (2) .

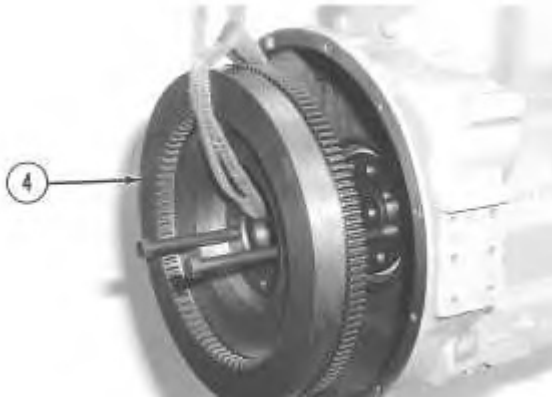


Illustration 3

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5. Attach a strap and a suitable lifting device to flywheel (4) .
6. Remove bolts (2) and flywheel (4) from the engine. The weight of the flywheel is 54 kg (120 lb).

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Flywheel - Install

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Installation Procedure

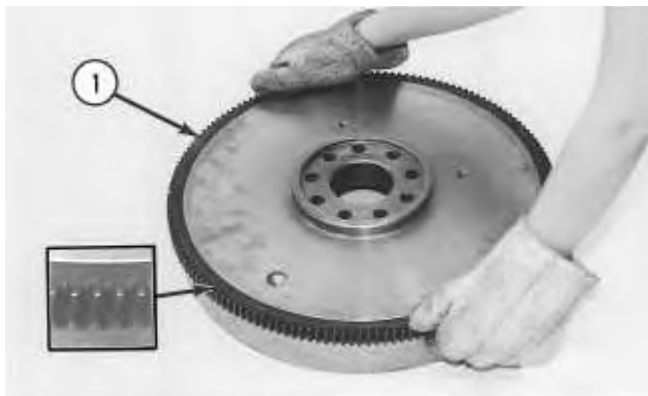
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