

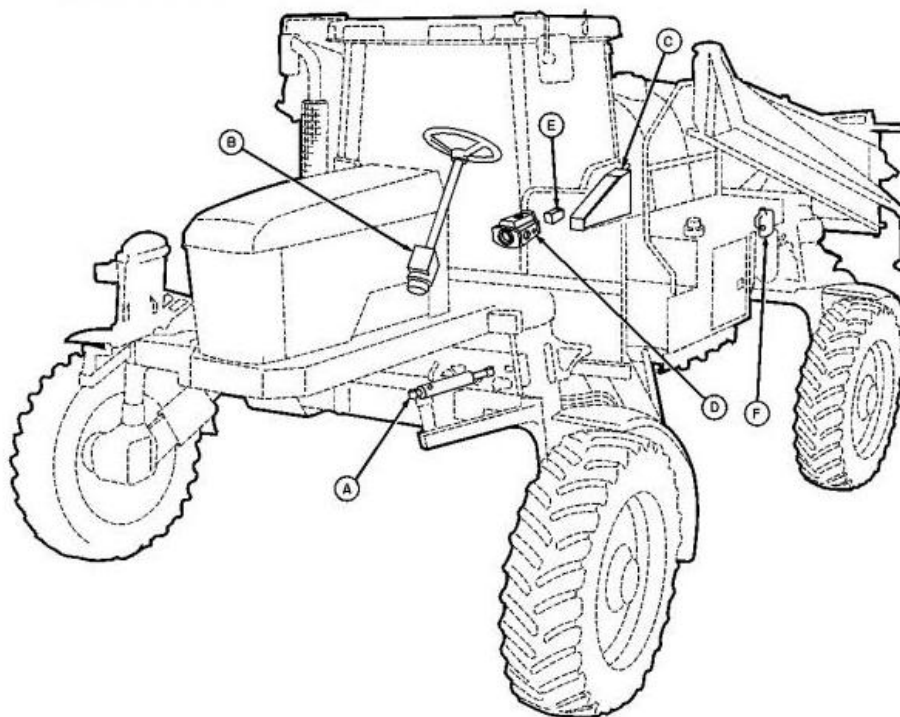
John Deere 4700 Self-Propelled Sprayers Diagnostic and Tests Service Manual (tm1833)

Section 260 - STEERING AND BRAKE OPERATION AND TESTS

Group 20: Theory of Operation

Group 20 - Theory of Operation

Component Location Drawing - Steering



Component Location

LEGEND:

A
B
C
D
E
F

Steering
Hydraulic
Hydraulic
Shuttle
Priority Valve



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Steering System Operation

The steering system is a closed-centered, non-load reactive system that provides full time steering control. The system is fully fluid linked with no mechanical connections between any of the main steering components.

The steering system consists of four main components:

- Hydraulic pump
- Priority valve
- Steering valve
- Steering cylinders

The hydraulic pump draws oil through a suction screen from the reservoir. Outlet flow from the pump flows to the priority valve. The priority valve supplies flow, on demand, to steering valve.

When the steering wheel is turned, the steering valve routes oil flow to the cylinders. Return flow from the steering cylinders

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4700 Self-Propelled Sprayer Diagnostic

Type: Service Manual

Language: English

Pages: 695

Format: PDF

Features: Bookmarked, searchable, printable

Compatibility: Windows/Mac/Tablet/Mobile

This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 4700 Self-Propelled Sprayers Diagnostic and Tests Service Manual (tm1833)**

In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

Contents:

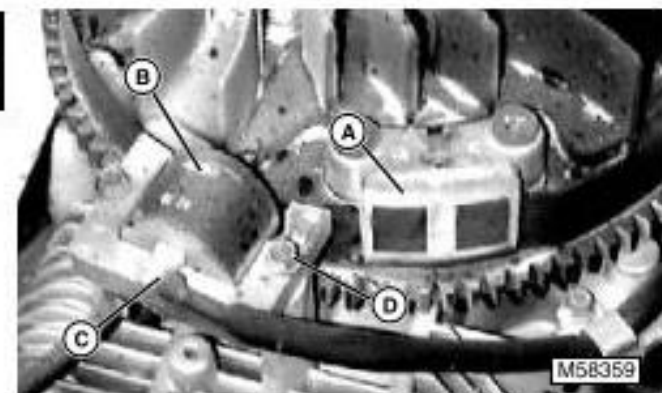
- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
- Transmission
- Axles
- Differential
- PTO
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- Electrical System
- Electrical Tests and Diagnostics
- Wiring Diagram / Schematic
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- Steering
- Brakes
- Wheels
- Operator's Platform
- Body Panels
- Disassembly and Assembly
- Diagnostics, Tests and Adjustments
- Troubleshooting
- and much more...

Please note this manual is in **downloadable PDF format only**. If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

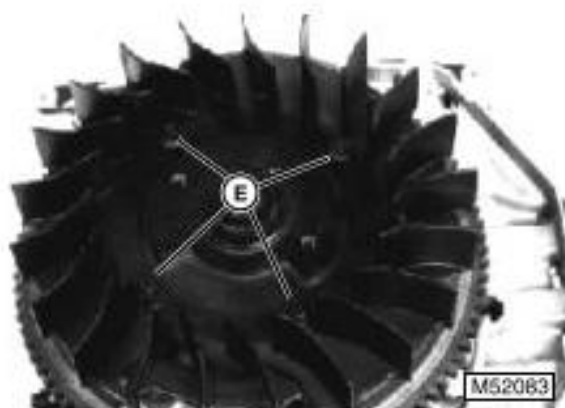
FLYWHEEL REMOVAL AND INSTALLATION

Removal:

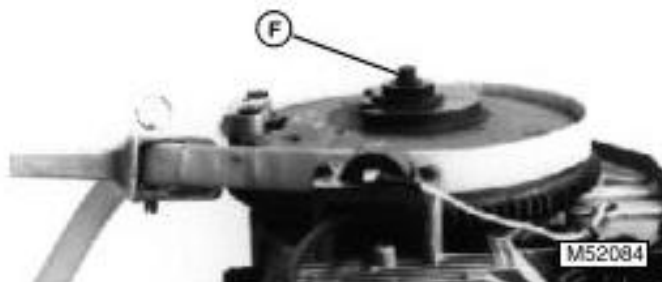
1. Remove blower housing sheet metal.



1. Turn flywheel magnet (A) away from ignition module (B).
2. Disconnect wire (C) from terminal.
3. Remove cap screws (D) and ignition module.



4. Remove four fan cap screws and washers (B) and fan.



5. Hold flywheel with strap wrench. Remove cap screw (F).



6. Remove flywheel using a puller.

NOTE: Flywheel and magnets are not serviceable.

7. Inspect flywheel for cracks, chips, and broken teeth. Replace as necessary.
8. Inspect for sheared or partially sheared key, replace as necessary.

IMPORTANT: Check that crankshaft end and flywheel hub are clean and free of lubricant, and flywheel key is installed properly in keyway. Improperly installed flywheel can cause machine damage and serious personal injury.

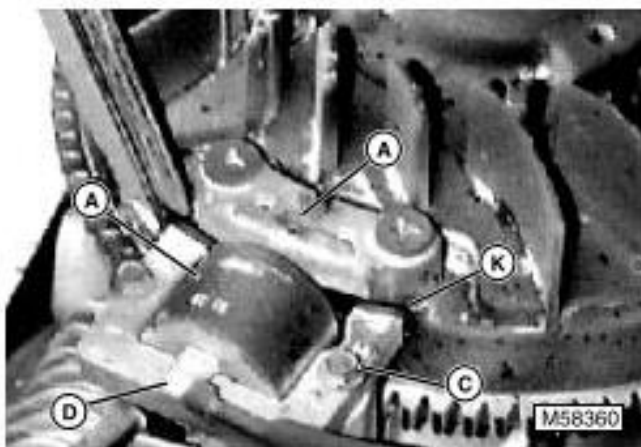
Installation:

1. Install flywheel and key on crankshaft. Install flywheel.
2. Hold flywheel with strap wrench. Install cap screw and tighten to specification.

Specification:

Flywheel Cap Screw. 68 N•m (50 lb-ft.)

3. Rotate magnet away from module mount. Install module loosely.





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for your reading.
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to get more information.