


John Deere W155 Self-Propelled Hay&Forage Windrowers Diagnostic & Repair Technical Manual (TM137819)




W155 Self-Propelled Windrower Diagnostic and Repair




TECHNICAL MANUAL
Self-Propelled Windrowers models W155
TM137819 02 APR 15 (ENGLISH)

For complete service information also see:

415D, 420D, 425D, 430D, 435D, and 440D Draper Platform Repair	TM121919
140A, 160A, and 180A Auger Platform	TM121819
JDPS Master Tool Manual	TM111119
Alternators and Starting Motors	CTM77
CTM441 - Machine	CTM441
4045 PowerTech 4 (platform) Level 34	

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John Deere Agriculture
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TM137819

Covers: W155

Type: Service Manual

Language: English

Pages: 587

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 W155 Self-Propelled Hay&Forage Windrowers Diagnostic & Repair Technical Manual (TM137819)**

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
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- PTO
- Hydraulic System
- Electrical System
- Electrical Tests and Diagnostics
- Wiring Diagram / Schematic
- Ignition and Charging
- 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.

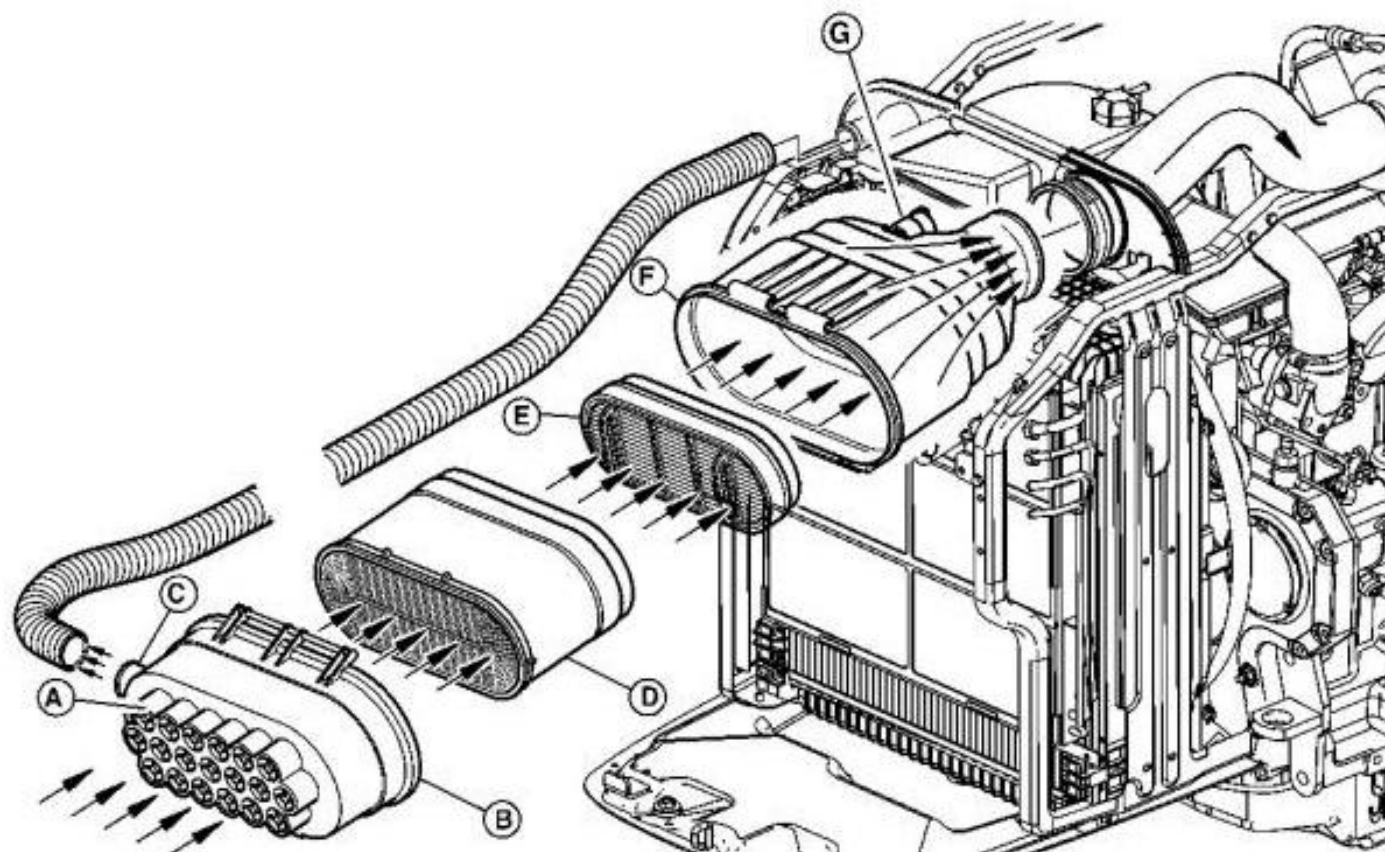
Group 15A - Air Intake System

Air Intake Theory of Operation

This information covers engine air intake functions unique to the sprayer application. For base information on the engine and turbocharger theory of operation, refer to CTM104. See [Turbocharger Operation](#) (CTM502, Section 03, Group 135).

The engine air intake system provides clean, cooled, and compressed air for the engine. The turbocharger has fixed geometry blades.

Air Cleaner



LX1037440

Air Cleaner Air Flow

LEGEND:

A	Air Intake Openings
B	Air Cleaner Housing
C	Outlet
D	Primary Air Cleaner Element
E	Secondary (Safety) Element
F	Outlet Tube
G	Switch

Intake openings (A) cause a rotating movement of the air in air cleaner housing (B).

Low pressure created by the fan blades around primary air cleaner element (D) separates most of the dirt and dust particles from the air. It then expels them via outlet (C). The remaining dirt is removed as the air flows through primary air cleaner element (D) and secondary (safety) element (E). The intake air then goes to the engine through outlet tube (F).

Secondary (safety) element (E) prevents dirt from entering the engine when the primary air cleaner element is being serviced. If primary air cleaner element (D) fails, secondary element (E) ensures that no unfiltered air is drawn into the engine.

Vacuum switch (G) located in air outlet tube (F), in conjunction with a warning light, indicates the filter condition.



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to get more information.