

# John Deere 5075M, 5085M, 5100M, 5100MH, 5100ML, 5115M, 5115ML Tractors Diagnosis Manual (TM116519)

131, 324, 324A, 328, 328A  
and 331 Mower-  
Conditioners TM - All  
Inclusive



## TECHNICAL MANUAL

Mower Conditioners models 131, 324, 324A, 328, 328A

TM300619 01 JUL 11 (ENGLISH)



John Deere Agriculture  
Printed by Belgreen



**Covers:** 5085ML,5100ML,5075M,5115M,5115ML,5100MH

**Type:** Service Manual

**Language:** English

**Pages:** 2580

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**Compatibility:** Windows/Mac/Tablet/Mobile

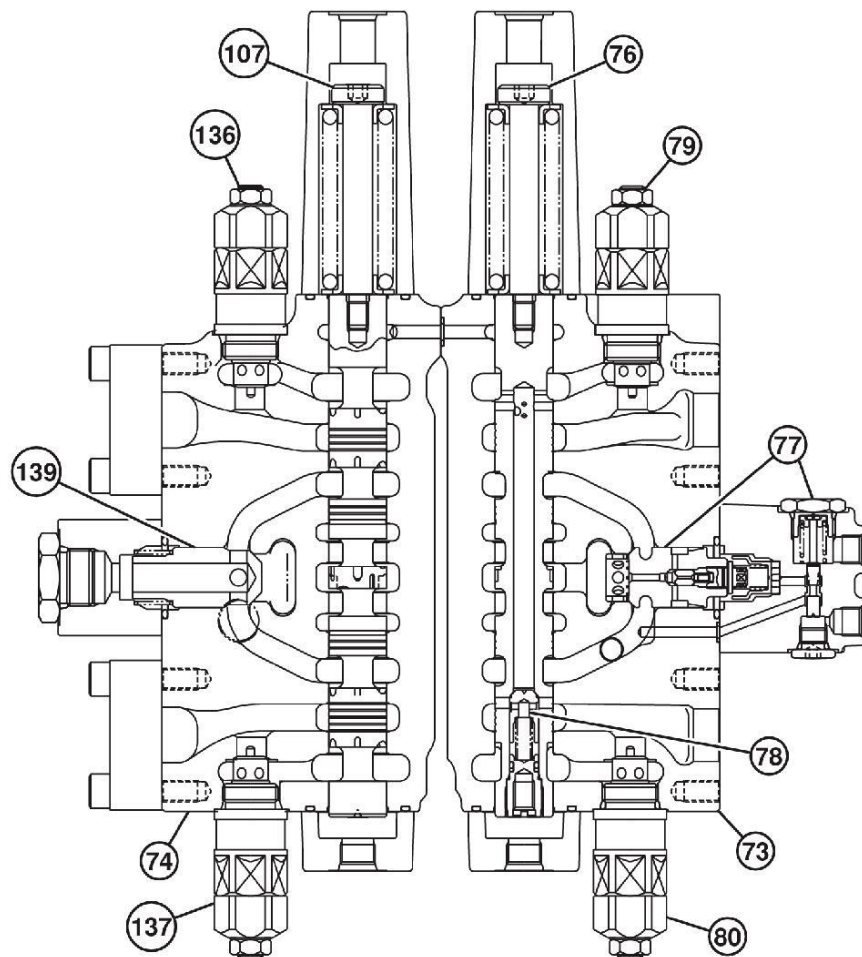
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 5075M, 5085M, 5100M, 5100MH, 5100ML, 5115M, 5115ML Tractors Diagnosis Manual (TM116519)**

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
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- Differential
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- Electrical System
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- Ignition and Charging
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- 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.



**TX1212018**

TX1212018-UN: Auxiliary and Bucket Valve Sections From Rear

**LEGEND:**

**73-Right Control Valve (4-spool)**

**74-Left Control Valve (5-spool)**

**76-Front Attachment Spool**

**77-Front Attachment Flow Rate Control Valve (valve and poppet)**

**78-Front Attachment Regenerative Valve**

**79-Front Attachment Cylinder Retract Circuit Relief and Anticavitation Valve**

**80-Front Attachment Cylinder Extend Circuit Relief and Anticavitation Valve**

**107-Auxiliary Spool**

**136-Auxiliary Circuit Relief and Anticavitation Valve**

**137-Auxiliary Circuit Relief and Anticavitation Valve**

**139-Check Valve (auxiliary parallel/flow combining circuit)**

For front attachment flow rate control valve (valve and poppet) (77), [see Front Attachment Flow Rate Control Valve Circuit Operation.](#) (Group 9025-05.)

For front attachment regenerative valve (78), [see Front Attachment Regenerative Valve Circuit Operation.](#) (Group 9025-05.)

For front attachment cylinder retract and extend circuit relief and anticavitation valves (79 and 80), [see Circuit Relief and Anticavitation Valve Operation.](#) (Group 9025-05.)

Auxiliary spool (107), auxiliary circuit relief, and anticavitation valves (136 and 137), and check valve (139) are used when optional attachments are installed on the machine.



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to get more information.