

# John Deere 630, 635 Hay & Forage Mower-Conditioner All Inclusive Technical Service Manual (TM301219)

630 and 635 Mower-  
Conditioners TM-All  
Inclusive



## TECHNICAL MANUAL

Mower Conditioners models 630, 635 (European Edition)

TM301219 14 JAN 14 (ENGLISH)



John Deere Agriculture  
Printed by Belgreen



TM301219

**Covers:** 630,635

**Type:** Service Manual

**Language:** English

**Pages:** 396

**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 630, 635 Hay & Forage Mower-Conditioner All Inclusive Technical Service Manual (TM301219)**

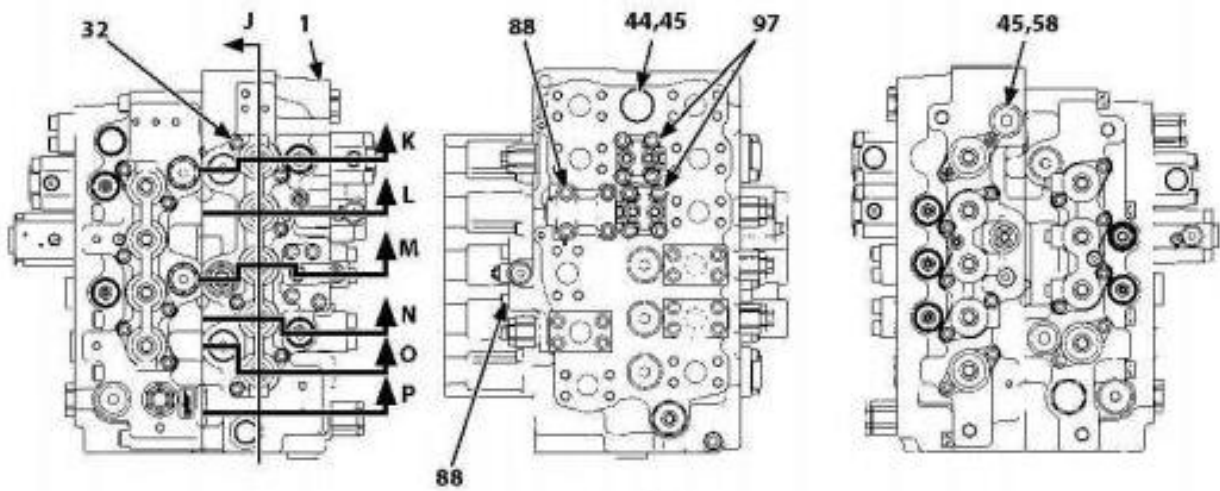
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**Contents:**

- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
- Transmission
- Axles
- Differential
- PTO
- 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...

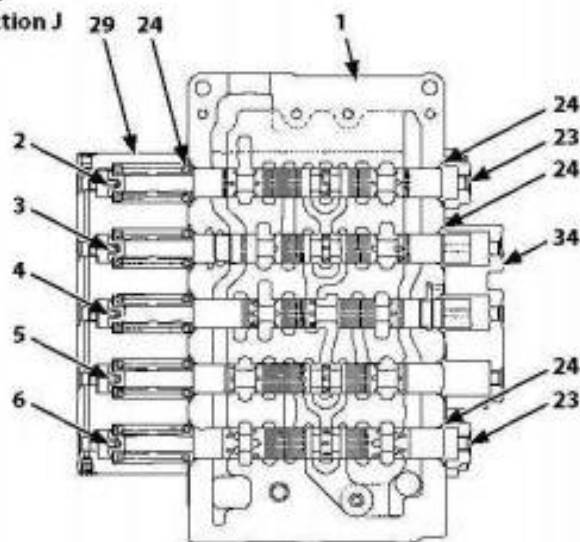
Please note this manual is in **downloadable PDF format only**. If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

# Assembly of Control Valve (5-Spool Side)



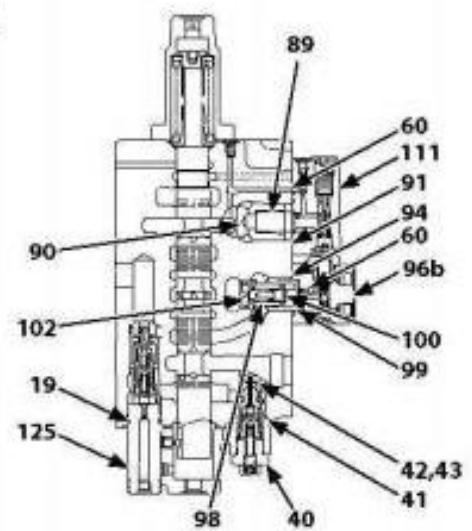
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Section J



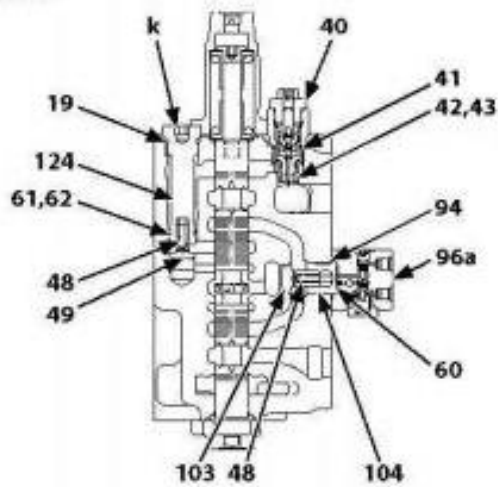
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Section L



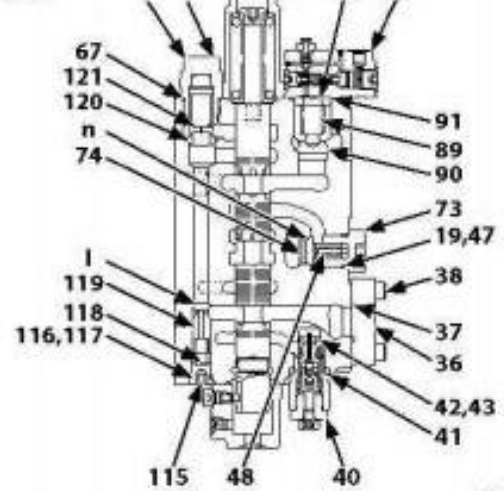
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Section K



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Section M



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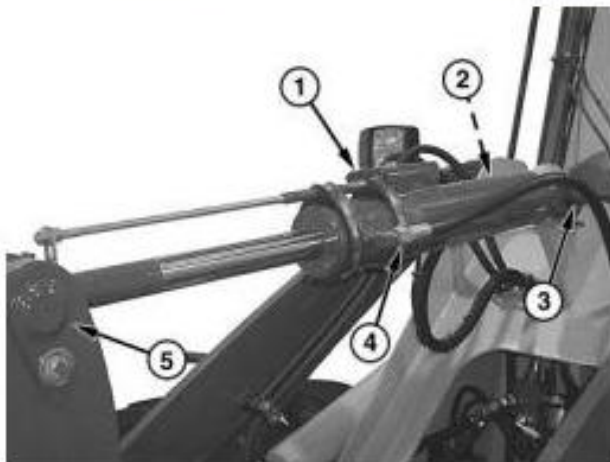
## Sections J—M of Control Valve (5-Spool Side)

## Bucket Cylinder Remove and Install

[1] -

→NOTE:

Bucket cylinder may be disassembled on the machine for seal and packing replacement.



### LEGEND:

1	Bucket Leveler
2	Hydraulic Line
3	Pin
4	Hydraulic Line
5	Pin

### Bucket Cylinder

Park machine on a level surface and lower boom and bucket to the ground.

[2] -



### CAUTION:

To avoid injury from escaping fluid under pressure, stop engine and relieve the pressure in the system before disconnecting or connecting hydraulic or other lines. Tighten all connections before applying pressure.

Stop engine. Push and hold pilot enable/boom down switch while moving loader control lever to all positions, several times, until all pressure is released from hydraulic system.

[3] -

→NOTE:

Measure length of exposed bucket leveler rod before removing bucket leveler. Record measurement and use for installation.

Remove bucket leveler (1).

[4] -



### CAUTION:

Prevent possible crushing injury from heavy component. Use appropriate lifting device.

Attach hoist to bucket cylinder, using lifting straps.

Item	Measurement	Specification
Bucket Cylinder 244]—Approximate	Weight	27 kg 60 lb
Bucket Cylinder 304]—Approximate	Weight	35 kg 77 lb

[5] - Mark and disconnect hydraulic lines (2 and 4).



Thank you very much  
for your reading.  
Please click here  
to get more information.