

# John Deere F441M, F441R Round Balers Diagnostic Technical Service Manual (TM301519)

540H and 548H Skidder  
(SN. from 630436)  
Diagnostic



JOHN HARE



COLLECTION

## OPERATION AND TEST MANUAL

Cable models 540H, 548H (SN. 630436—)

TM11794 30 JUN 15 (ENGLISH)

**For complete service information also see:**

|   |           |
|---|-----------|
| 540H and 548H Skidder (S.N. 630436-) Repair   | TM11810   |
| JDLink (MTG) Technical Manual   | TM114519  |
| Alternators and Starting Motors   | CTM77     |
| TM1V1200 - 1400 Series Inboard Planetary Gears  | CTM442    |
| 60 and 6000 Winches   | CTM41     |
| PowerTech 4045, 6045, 6045E Diesel Engines  |           |
| Denso High Pressure Fuel Pumps  |           |
| Super Caddy Oil Cleanup Product   |           |
| DF180 Series Powershift Transmissions   |           |
| 40 and 4000 Winches   | CTM25     |
| 120 Series Hydraulic Cylinders  | CTM120519 |
| 120 Series Hydraulic Cylinders  | CTM114319 |
| PowerTech 4.5L & 6.8L Diesel Engines Tier 1/Stage I, Tier 2/Stage II, Tier 3/Stage IIIA, Tier 3/Stage IIA Tier 3/Stage III, (Base Engine) | CTM104    |
| JDLINK/ZXLINK Machine Monitoring System   | CTM10006  |



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John Deere Construction and Forestry  
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TM11794

Covers: F441M,F441R

**Type:** Service Manual

**Language:** English

**Pages:** 414

**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 F441M, F441R Round Balers Diagnostic Technical Service Manual (TM301519)**

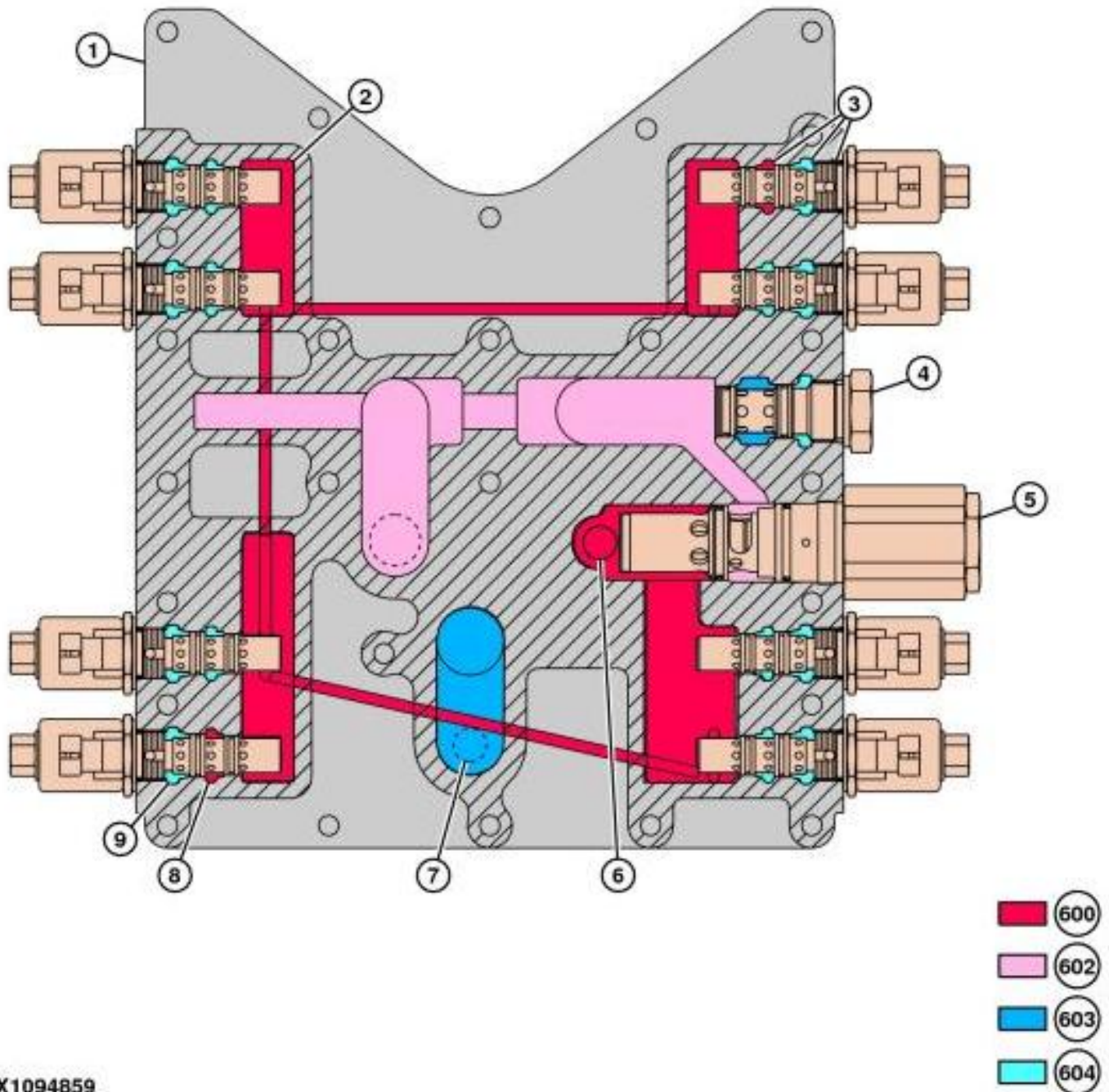
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**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.

## Transmission Control Valve Operation



TX1094859

### Transmission Control Valve Cross Section View

#### LEGEND:

|     |                                       |
|-----|---------------------------------------|
| 1   | Valve Housing                         |
| 2   | Proportional Solenoid Valve (8 used)  |
| 3   | O-Ring (24 used)                      |
| 4   | Cooler Pressure Relief Valve          |
| 5   | Transmission Pressure Regulator Valve |
| 6   | Charge Pump Pressure Port             |
| 7   | Lubrication In Port                   |
| 8   | Clutch Pressure                       |
| 9   | Sump Passage                          |
| 10  | To Transmission Oil Cooler            |
| 600 | System Pressure Oil                   |
| 602 | Low Pressure Oil                      |
| 603 | Lubrication Oil                       |
| 604 | Pressure Free Oil                     |



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