

# John Deere 744 Forage Wrapping Round Baler (Europe) All Inclusive Technical Service Manual (TM300219)

**XUV590E, XUV590E S4,  
XUV590M, and XUV590M  
S4 Gator™ Utility  
Vehicles**  
(Serial No. 010001-)



JOHN HARE



COLLECTION

TECHNICAL MANUAL

**XUV590E, XUV590E S4, XUV590M, and XUV590M S4  
Gator™ Utility Vehicles (Serial No. 010001-)**

TM149719 01DEC18 (ENGLISH)



John Deere Horicon Works

**Covers: 744**

**Type:** Service Manual

**Language:** English

**Pages:** 528

**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 744 Forage Wrapping Round Baler (Europe) All Inclusive Technical Service Manual (TM300219)**

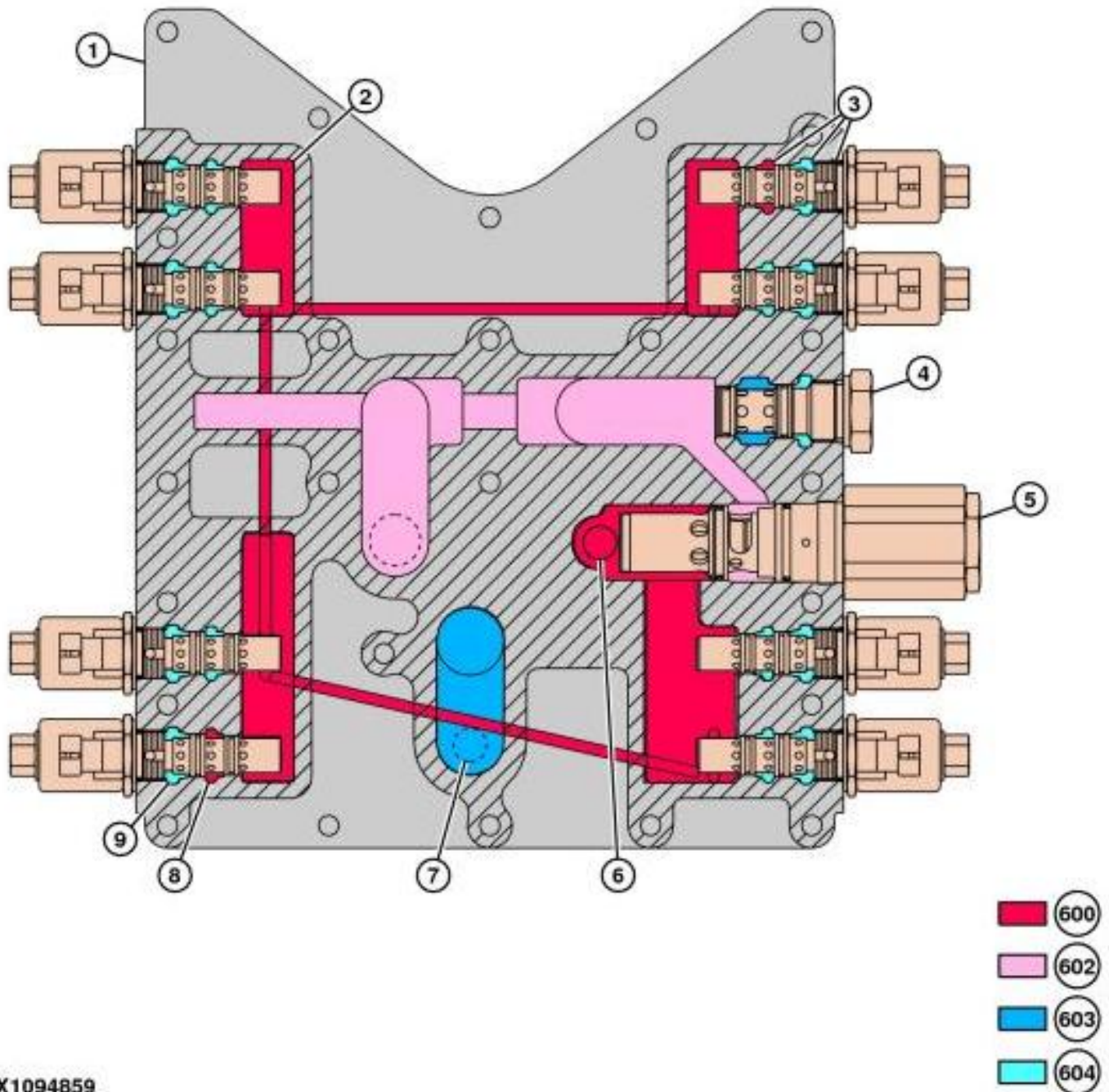
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**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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for your reading.  
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to get more information.