

# John Deere 6140R, 6150R, 6150RH, 6170R, 6190R, 6210R, 6210RE Tractor Service Repair Manual (TM403919)

**6140R, 6150R,  
6150RH, 6170R,  
6190R, 6210R and  
6210RE Tractor  
(Repair Only)**

## REPAIR MANUAL

**6140R, 6150R, 6150RH, 6170R, 6190R, 6210R, 6210RE**

TM403919 13OCT15 (ENGLISH)

For complete service information also see:

6105R, 6170R, 6115R, 6125R, 6130R,  
6140R, 6150R, 6190R & 6210R Tractors TM403819  
(Worldwide Edition)

725, 730, 733, 735, 740, 745, 750, 755  
and 755HD Front Drive Axles, 2-Piece DANA CTM4820

AutoPowr/IVT Transmission Repair CTM406019

Special Tools (6R Series) CTM404019

6068 PowerTech™  
Above 130kW (174 hp) (In  
4/Stage III B platform)

6068 PowerTech™ OEM D  
Below 130kW (174 hp) (In  
4/Stage III B platform)



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John Deere Agriculture

**Covers:** 6170R,6190R,6140R,6150R,6210RE,6150RH

**Type:** Service Manual

**Language:** English

**Pages:** 2025

**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 6140R, 6150R, 6150RH, 6170R, 6190R, 6210R, 6210RE Tractor Service Repair Manual (TM403919)**

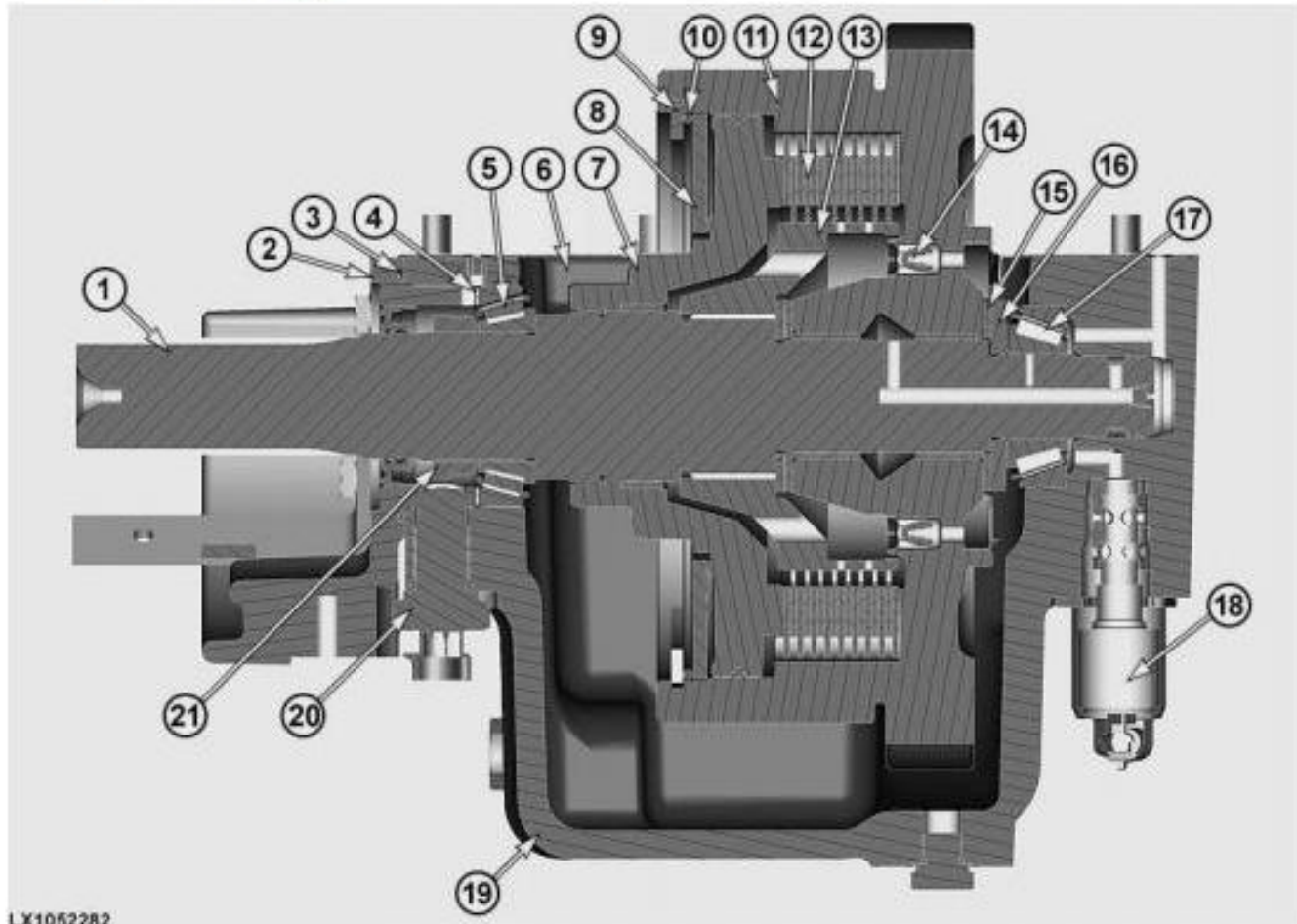
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**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.

## Mechanical Front-Wheel Drive - Sectional View (AutoPowr™/IVT™ Transmission)



LX1052282

### Mechanical Front-Wheel Drive - Sectional View (AutoPowr™/IVT™ Transmission)

#### LEGEND:

1	Output Shaft
2	Bearing Quill
3	O-Ring
4	Shim
5	Tapered Roller Bearing
6	Shield
7	Piston
8	Belleville Spring
9	Snap Ring
10	Ring
11	Clutch Housing
12	Disk Pack
13	Hub
14	Check Valve
15	Thrust Washer
16	Pressure Ring
17	Tapered Roller Bearing
18	Solenoid Valve
19	Front-Wheel Drive Housing
20	Speed Sensor
21	Impulse Disk



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for your reading.  
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to get more information.