

# John Deere 544L 4WD Loader Repair Technical Manual - TM14345X19

## 544L 4WD Loader Repair

PIN: 1DW544L\_\_\_F693054—



JOHN HARE



COLLECTION

### REPAIR TECHNICAL MANUAL

544L 4WD Loader (PIN: 1DW544L\_\_\_F693054—)

TM14345X19 30NOV19 (ENGLISH)

For complete service information also see:

544L 4WD Loader Diagnostic .....	TM14342X19
TeamMate™ IV 1200 Series Inboard Planetary Axles .....	ctm140119
PowerTech 6068 OEM Diesel Engines (Final Tier 4/Stage IV platform) Level 33 ECU .....	ctm120019
Hydraulic Cylinders .....	120519



Worldwide Construction and  
Forestry Division

Covers: 544L, 1DW544L\_\_\_F693054 (7 covers)

**Type:** Service Manual

**Language:** English

**Pages:** 332

**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 544L 4WD Loader Repair Technical Manual - TM14345X19**

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:**

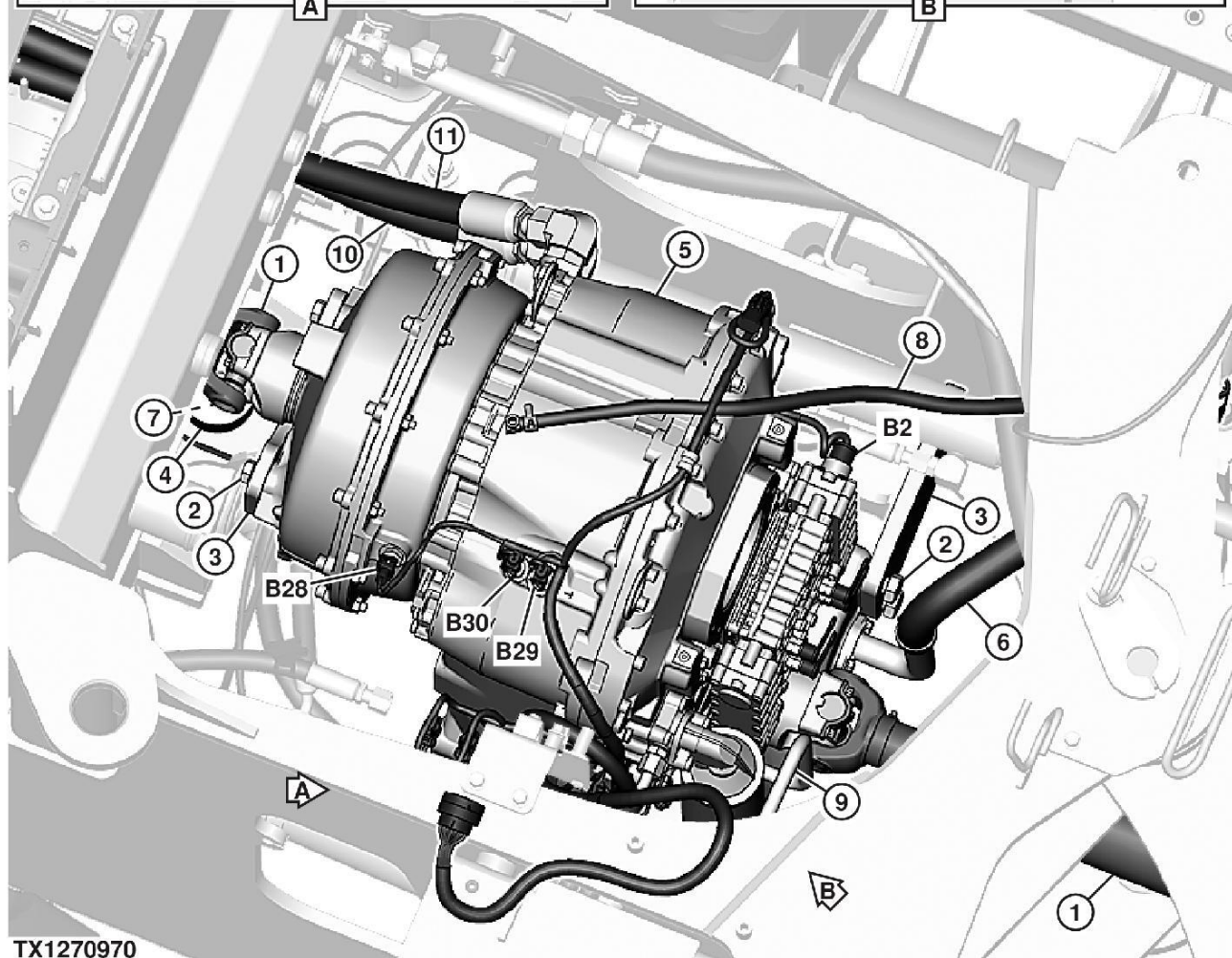
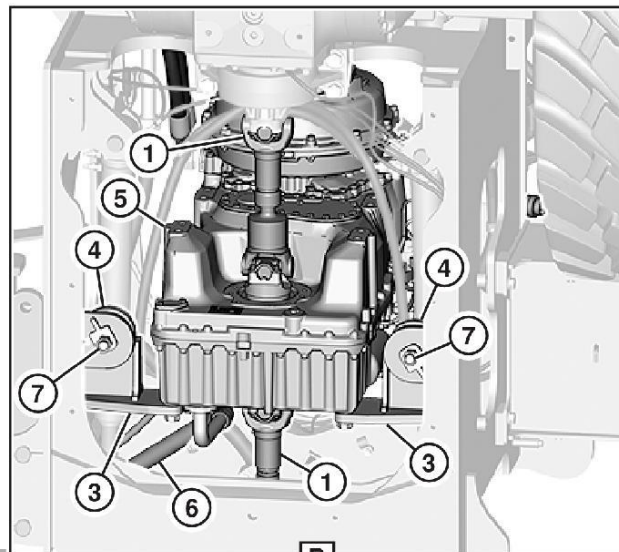
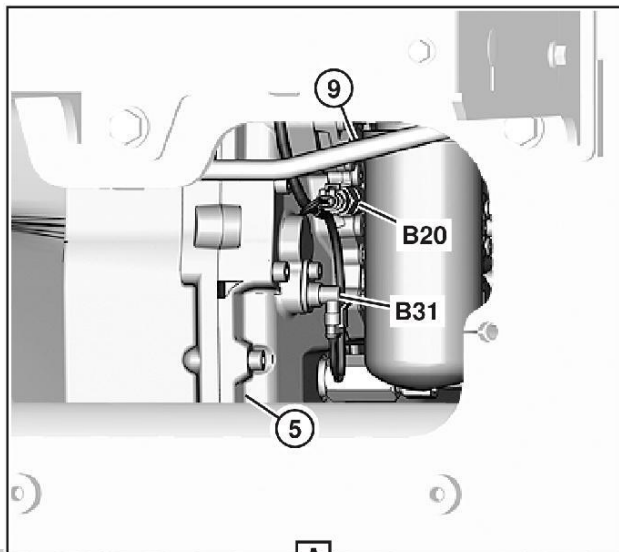
- General Information
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- and much more...

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.

**IMPORTANT:**

5. **Avoid machine damage. Do not reuse drive shaft universal joint cap screws.**

Disconnect drive shafts (1) from transmission (5). Discard universal joint cap screws. [See Universal Joint and Drive Shaft Remove and Install](#). (Group 0225.)



TX1270970

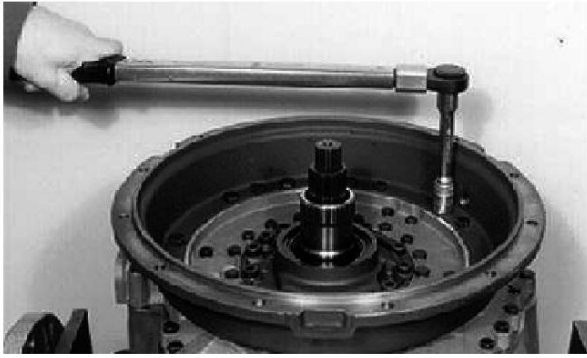
TX1270970-UN: Transmission

**LEGEND:**

- 1-Drive Shaft (3 used)
- 2-Transmission Mounting Bracket Cap Screw (8 used)
- 3-Transmission Mounting Bracket (3 used)
- 4-Transmission Isolator
- 5-Transmission

- 6-Transmission Oil Fill Tube
- 7-Transmission Isolator Nut (3 used)
- 8-Transmission Vent Line
- 9-Park Brake Manifold Return Line
- 10-Transmission Cooler Supply Line

## Torque Converter and Housing Install



T109095-UN: Torque Converter Cap Screw Install

### SPECIFICATIONS

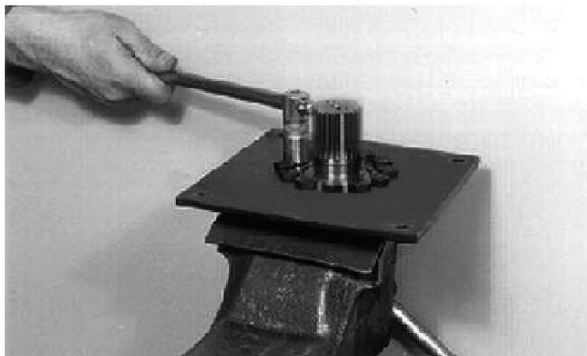
Converter Housing Cap Screw Torque	68 N·m 50 lb·ft
Input Shaft-to-Drive Plate Cap Screw Torque	115 N·m 85 lb·ft
Input Shaft Drive Plate-to-Torque Converter Cap Screw Torque	115 N·m 85 lb·ft
Input Yoke Preheat Temperature	80—120°C 175—250°F
Input Yoke Cap Screw Torque	34 N·m 25 lb·ft
Torque Converter Top Cover Cap Screw Torque	46 N·m 34 lb·ft
Output Yoke Cap Screws Torque	34 N·m 25 lb·ft

### OTHER MATERIAL

PM38654 Thread Lock and Sealer (High Strength)

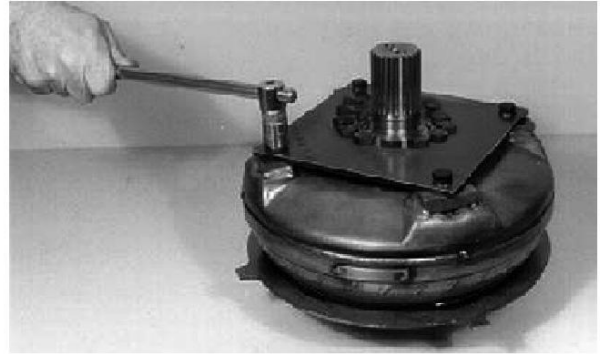
1. Install torque converter housing to the transmission case using cap screws. Tighten to specification.

Item	Measurement	Specification
Converter Housing Cap Screw	Torque	68 N·m 50 lb·ft



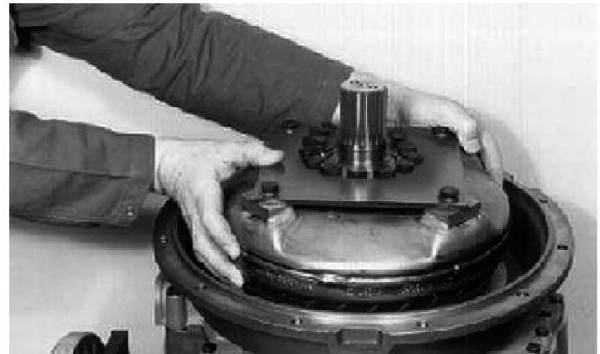
2. T112415-UN: Input Shaft-to-Converter Hex Head Screws  
Assemble the input shaft to drive plate. Tighten to specification.

Item	Measurement	Specification
Input Shaft-to-Drive Plate Cap Screw	Torque	115 N·m 85 lb·ft

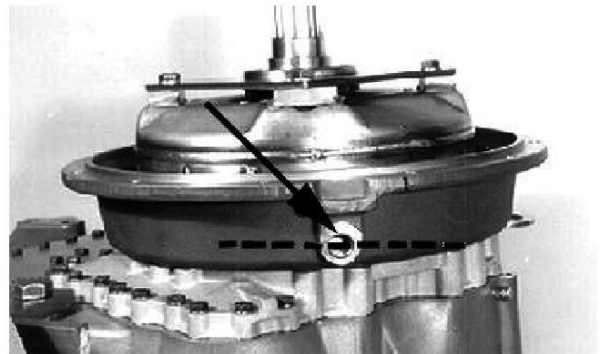


3. T112416-UN: Drive Plate-to-Converter Cap Screw  
Install input shaft drive plate assembly to torque converter. Apply PM38654 High Strength Thread Lock and Sealer to cap screws. Install washer and cap screws. Tighten to specification.

Item	Measurement	Specification
Input Shaft Drive Plate-to-Torque Converter Cap Screw	Torque	115 N·m 85 lb·ft



4. T112417-UN: Converter Installation



T109098-UN: Centered Speed Pickup Disc

Install torque converter into housing until contact is made.

### NOTE:

Speed pickup disc in the converter must be centered to the bore of the speed sensor (arrow). This ensures that the converter is seated properly.



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