John Deere 850L Crawler Dozer Repair Technical Manual - TM14354X19

850L Crawler Dozer Repair

PIN: 1T0850LX_ _F352989—

JOHN HARE

COLLECTION

REPAIR TECHNICAL MANUAL

850L Crawler Dozer (PIN: 1T0850LX_ _F352989—)

TM14354X19 30NOV19 (ENGLISH)

For complette service information also see:

Worldwide Construction and Foresty Division

Covers: 850L,1T0850LX_,_F352989)

Type: Service Manual
Language: English
Pages: 354
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 850L Crawler Dozer Repair Technical Manual - TM14354X19**

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
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- Hydraulic System
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- Electrical Tests and Diagnostics
- Wiring Diagram / Schematic
- Ignition and Charging
- Steering
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- Wheels
- Operator's Platform
- Body Panels
- Disassembly and Assembly
- Diagnostics, Tests and Adjustments
- Troubleshooting
- and much more...

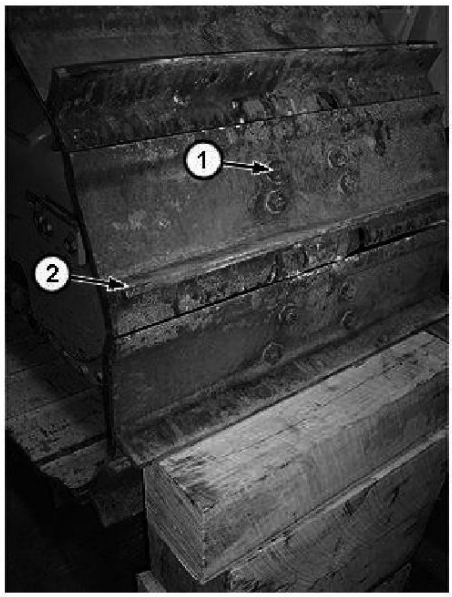
Please note this manual is in **downloadable PDF format only.** If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

Lubricated Track Chain Remove and Install

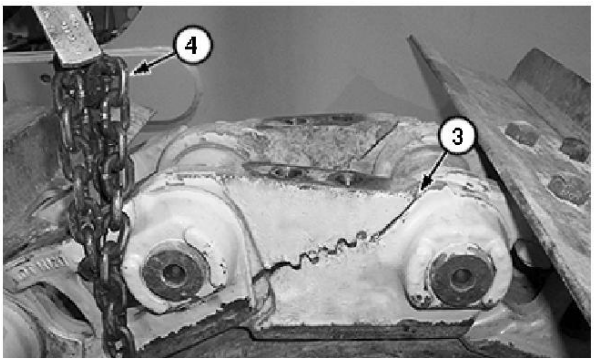
SPECIFICATIONS	
Cap Screw (1) Torque Turn	270 N·m + 1/2 Turn (180°) 199 lb·ft + 1/2 Turn (180°)

OTHER MATERIAL
NEVER-SEEZ® Anti-Seize Lubricant

1. Remove rear storage/counterweight (if equipped). See Rear Storage/Counterweight Remove and Install. (Group 1749.)
2. Release track tension. See Track Sag Adjustment. (Group 0130.)
3. Raise machine off the ground. See Machine Supporting Procedure - document TM14353X19 - (Group 9026-25.)



4. T211292A-UN: Track Shoe



TX1279469A-UN: Split Link

LEGEND:

1-Cap Screw (4 used)
2-Track Shoe
3-Split Link
4-Chain

Rotate track until split link (3) is positioned in front of idler.

5. To prevent track from falling, block track as shown.
6. NOTE:

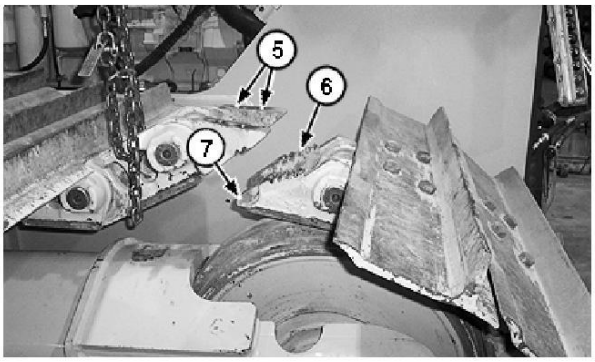
   Cap screws (1) must be replaced once removed. Do not reuse.

   Remove cap screws and track shoe (2). Disassemble split link.
7. Attach chain (4) to track and support track chain with hoist to avoid damage to split link.
8. Start machine and slowly rotate drive sprocket in reverse direction to move track off drive sprocket.
9. Clean and inspect parts. Repair or replace parts as necessary.

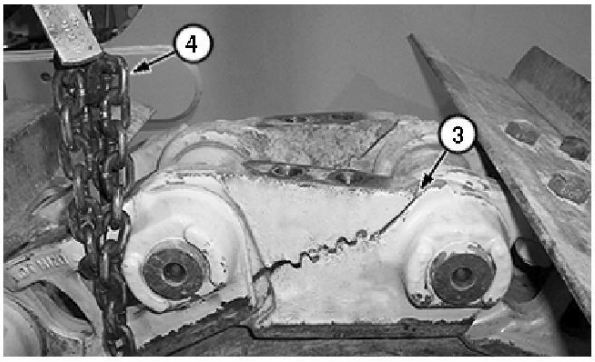
IMPORTANT:

10. **Track chain must be installed under track frame with wide end of links toward rear of machine or accelerated wear to track chain will occur.**

    Install track chain by putting chain under track frame with the wide end of links toward rear of machine.
11. Block track shoes so split link is positioned directly over idler.



12. TX1279470A-UN: Track Chain Installation



TX1279469A-UN: Split Link Alignment

LEGEND:

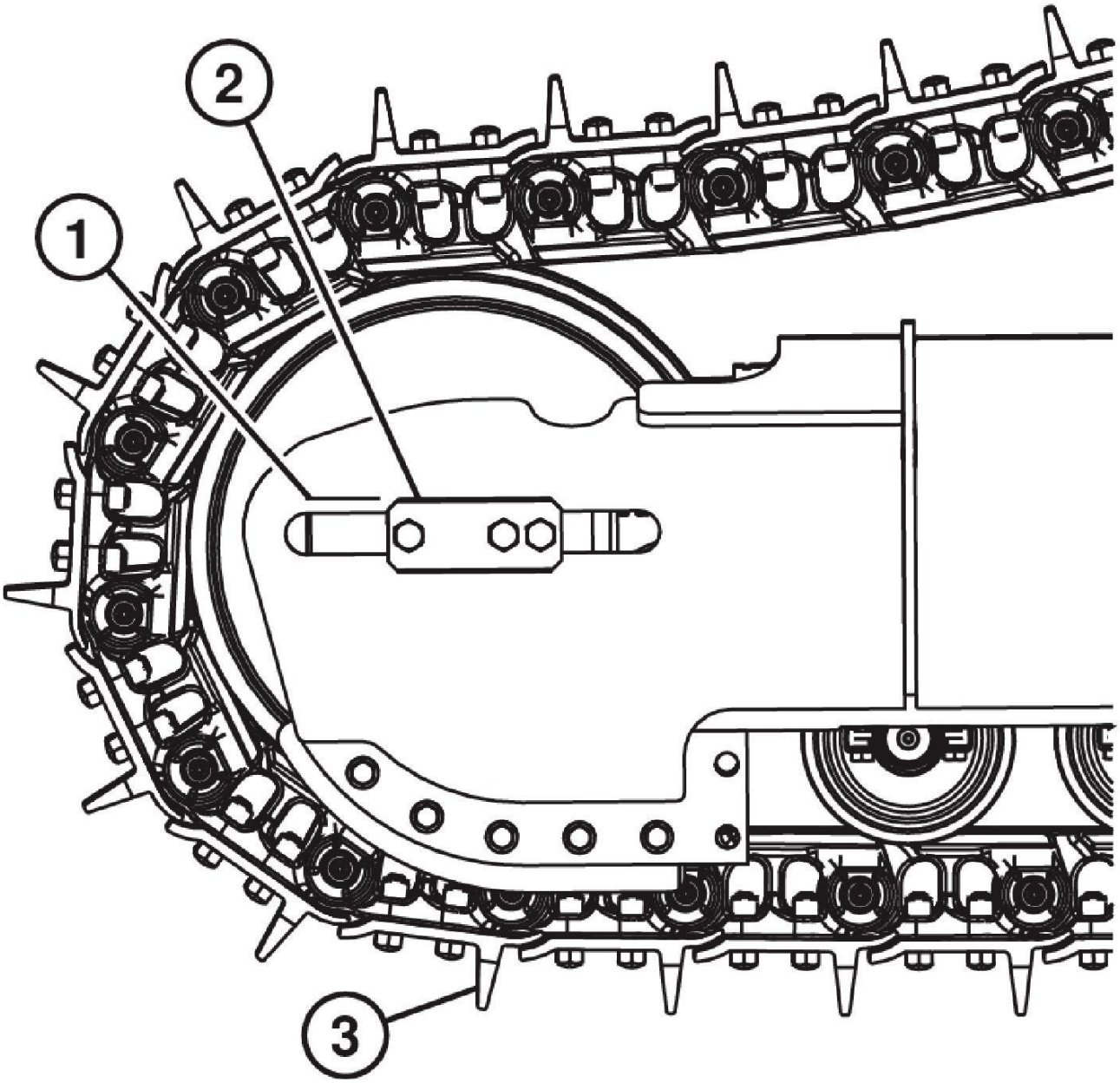
3-Split Link
4-Chain
5-Cap Screw Hole (4 used)
6-Ramp Surface (4 used)
7-Tip of Split Link Ramp (4 used)

Attach chain and hoist near end of track chain for support.

13. While operator drives machine slowly forward, guide the track chain over the sprocket, carrier rollers, and front idler.
14. Stop machine when ends of split link meet.

1. NOTE:

   Procedure for left idler is shown. Procedure for right idler is similar.



TX1124309-UN: Plate (idler)

LEGEND:

1-Scribe Line

2-Plate

3-Track Grouser (block position)

With machine sitting on a flat, concrete floor, make a scribe line (1) to mark the position of plate (2) on track frame as shown.

2. Drive crawler onto a wood block so the front idler is centered on top of the block.
3. Check the scribe line position in relation to plate (2).