

John Deere 853G/850, 903G/900, 953G/950 Tracked Feller Buncher Diagnostic Service Manual (tm10274)



Covers: 853G,850,903G,900,953G,950

Type: Service Manual

Language: English

Pages: 734

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 853G/850, 903G/900, 953G/950 Tracked Feller Buncher Diagnostic Service Manual (tm10274)**

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
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- 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.

Item	Measurement	Specification
Standard Z-Bar Linkage Machine	Weight (approximate) (S.N. 000288—)	16 543 kg 36 471 lb.
High Lift Z-Bar Linkage Machine	Weight (approximate) (S.N. 000288—)	16 698 kg 36 812 lb.

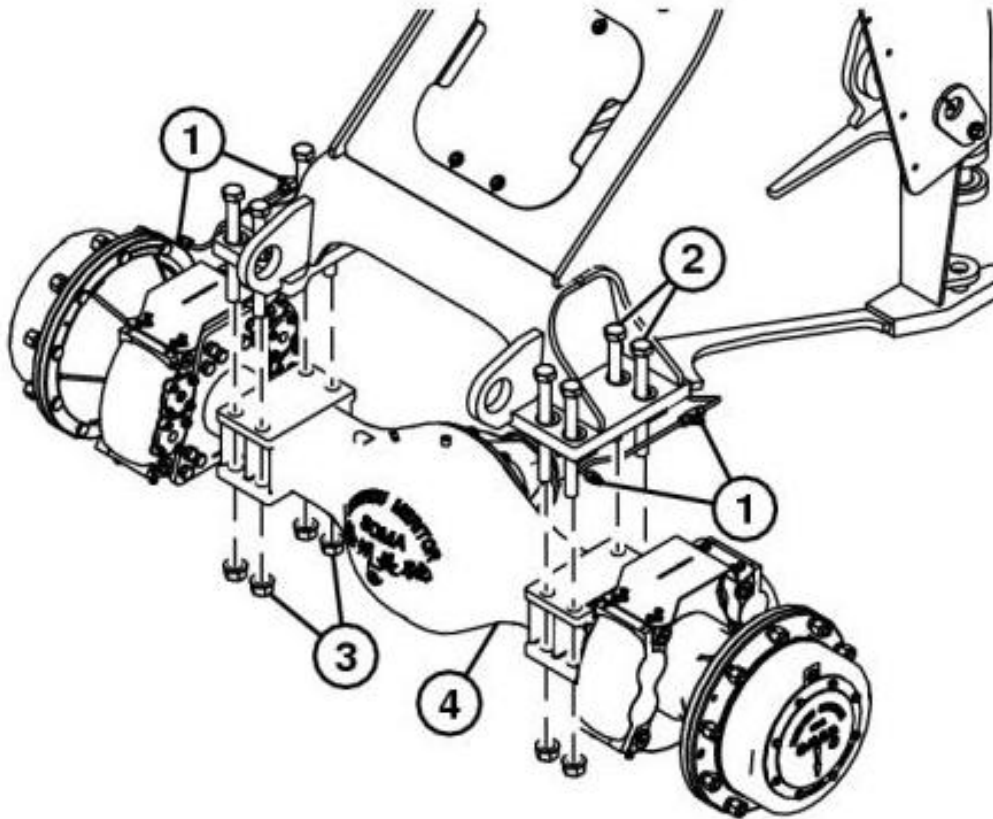
[7] -

IMPORTANT:

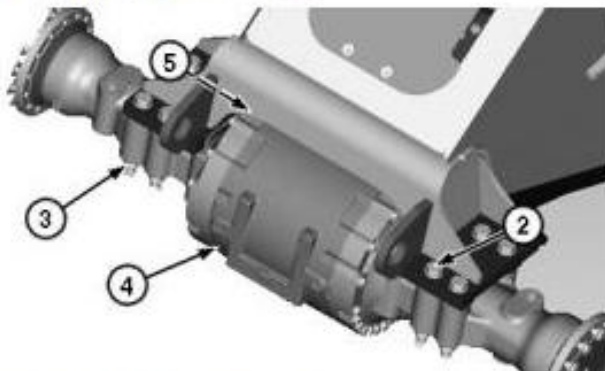
Avoid machine damage. Do not reuse drive shaft universal joint cap screws.

Disconnect drive shaft from front axle. Discard universal joint cap screws. [See Universal Joint and Drive Shaft Remove and Install](#). (Group 0225.)

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Front Axle (S.N. —000287)



Front Axle (S.N. 000288—)

Shim Installation

Install required shim to achieve end play specification.

Item	Measurement	Specification
Oil Pump-to-Oil Supply Flange	End Play	0.20—0.40 mm 0.008—0.16 in.

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**LEGEND:**

- 11 Converter Relief Valve Spring
12 Ball

Converter Relief Spring and Ball

Insert converter relief valve spring (11) and ball (12) into oil supply flange.

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**Oil Pump Installation**

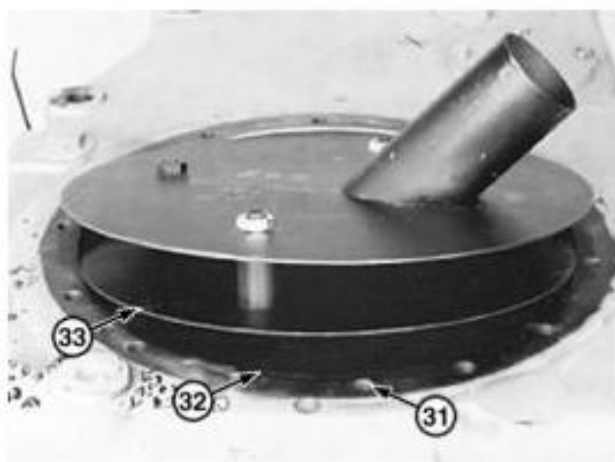
Install oil pump to oil supply flange and tighten cap screws to specification.

Item	Measurement	Specification
Cap Screws	Torque	25 N·m 221 lb.-in.

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→NOTE:

To install flange and pump in transmission housing, a temperature differential of 70° C (158°F) is required.

**LEGEND:**

- 31 Transmission Housing Flange
32 Oil Supply Flange Bore
33 DF1044 Air Deflector Bushing



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to get more information.