John Deere 859M (SN. F293917-, L343918-) Feller Bunchers (Open-Loop) Diagnostic Manual (TM14087X19)



Type: Service Manual **Language:** English

Pages: 1003 **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 859M (SN. F293917-, L343918-) Feller Bunchers (Open-Loop) Diagnostic Manual (TM14087X19)

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.	

Section 09 - STEERING SYSTEM Group 0960: Hydraulic System

Secondary Steering Valve Remove and Install—If Equipped

[1] - Prepare machine for service. See Park and Prepare for Service Safely. (Group 0001.)

[2] -

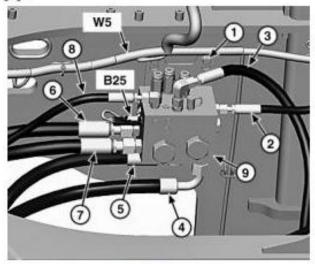


To avoid injury from escaping fluid under pressure, stop engine and relieve the pressure in the system before disconnecting or connecting hydraulic or other lines. Tighten all connections before applying pressure.

Relieve hydraulic system pressure. See Hydraulic System Pressure and Accumulators Discharge. (Group 9025-25.)

- [3] Turn battery disconnect switch to the OFF position or remove battery negative (-) cable.
- [4] Apply vacuum to or drain hydraulic reservoir. If draining hydraulic reservoir, See Drain, Flush, and Refill Hydraulic System Oil. (Operator's Manual.)

[5] -



LEGEND:

- 1 Cap Screw (3 used)
- 2 Secondary Steering Valve-to-Hydraulic Reservoir Line
- 3 Secondary Steering Valve-to-Secondary Steering Pump Line
- 4 Joystick Steering Valve-to-Secondary Steering Valve Line (if equipped)
- 5 Secondary Steering Valve-to-Hydraulic Pump Manifold Line (joystick steering)
- 6 Secondary Steering Valve-to-Hydraulic Pump Manifold Line (orbital steering)
- 7 Secondary Steering Valve-to-Orbital Steering Valve
- Secondary Steering Valve-to-Hydraulic Pump Manifold
- Load Sense Line
- 9 Secondary Steering Valve
- B25 Steering System Pressure Switch
- W5 Engine Frame Harness

Secondary Steering Valve Plumbing

Tag and disconnect hydraulic lines (2-8). Close all openings using caps and plugs.

- [6] Disconnect steering system pressure switch (B25) electrical connector from engine frame harness (W5).
- [7] Remove secondary steering valve (9).
- [8] Repair or replace as necessary.
- [9] Install secondary steering valve.
- [10] Connect steering system pressure switch (B25) electrical connector. <u>See Engine Frame Harness (W5) Component Location</u>. (Group 9015-10.)
- [11] Connect hydraulic lines. See Steering and Hydraulic Cooling Fan Circuit Component Location. (Group 9025-15.)
- [12] Remove vacuum or fill hydraulic reservoir. See Drain, Flush, and Refill Hydraulic System Oil. (Operator's Manual.)
- [13] Turn battery disconnect switch to the ON position or install battery negative (-) cable.

Section 09 page 16
TM12108-REPAIR TECHNICAL MANUAL



Thank you very much for your reading.

Please click here to get more information.