

John Deere 959ML Shovel Logger Operation & Test Technical Manual (TM14384X19)

959ML Shovel Logger Diagnostic

PIN: 1T0959ML__F343824—
PIN: 1T0959ML__L343824—



JOHN HARE



COLLECTION

OPERATION & TEST TECHNICAL MANUAL

959ML Shovel Logger

(PIN: 1T0959ML__F343824—; PIN: 1T0959ML__L343824—)

TM14384X19 30NOV19 (ENGLISH)

For complete service information also see:

609C PowerTech™ OPIV Diesel Engines (Final Tier 4/Stage
V platform)..... ctm117719
JDLink™ (MTG) 4G LTE Technical Manual..... tm143019
JDLink™ 2G / 3G MTG Technical Manual..... 14515
Hydraulic Cylinders..... 14515



Worldwide Construction and
Forestry Division

Covers: 959ML,1T0959ML__,F343824;1T0959ML__,L343824

Type: Service Manual

Language: English

Pages: 931

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 959ML Shovel Logger Operation & Test Technical Manual (TM14384X19)**

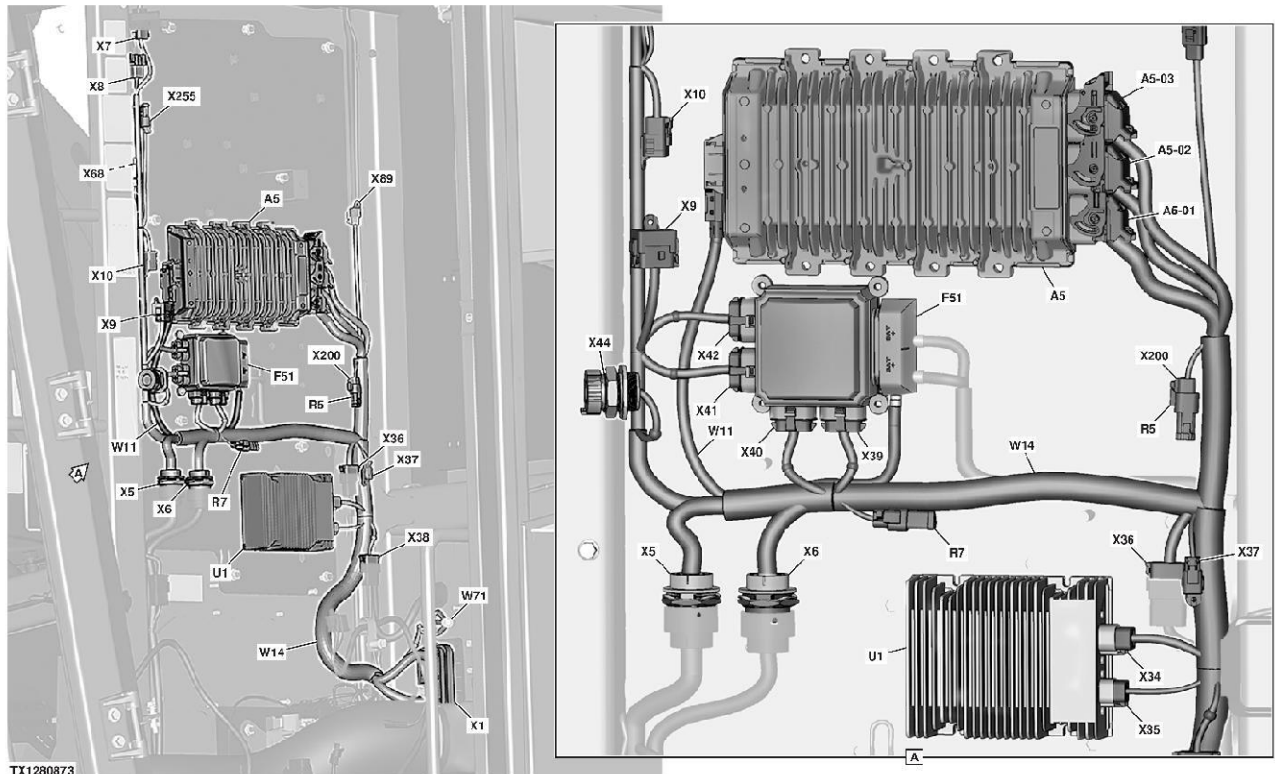
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

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.

Load Center Harness (W14) Component Location



TX1280873

TX1280873-UN: Load Center Harness (W14) Component Location

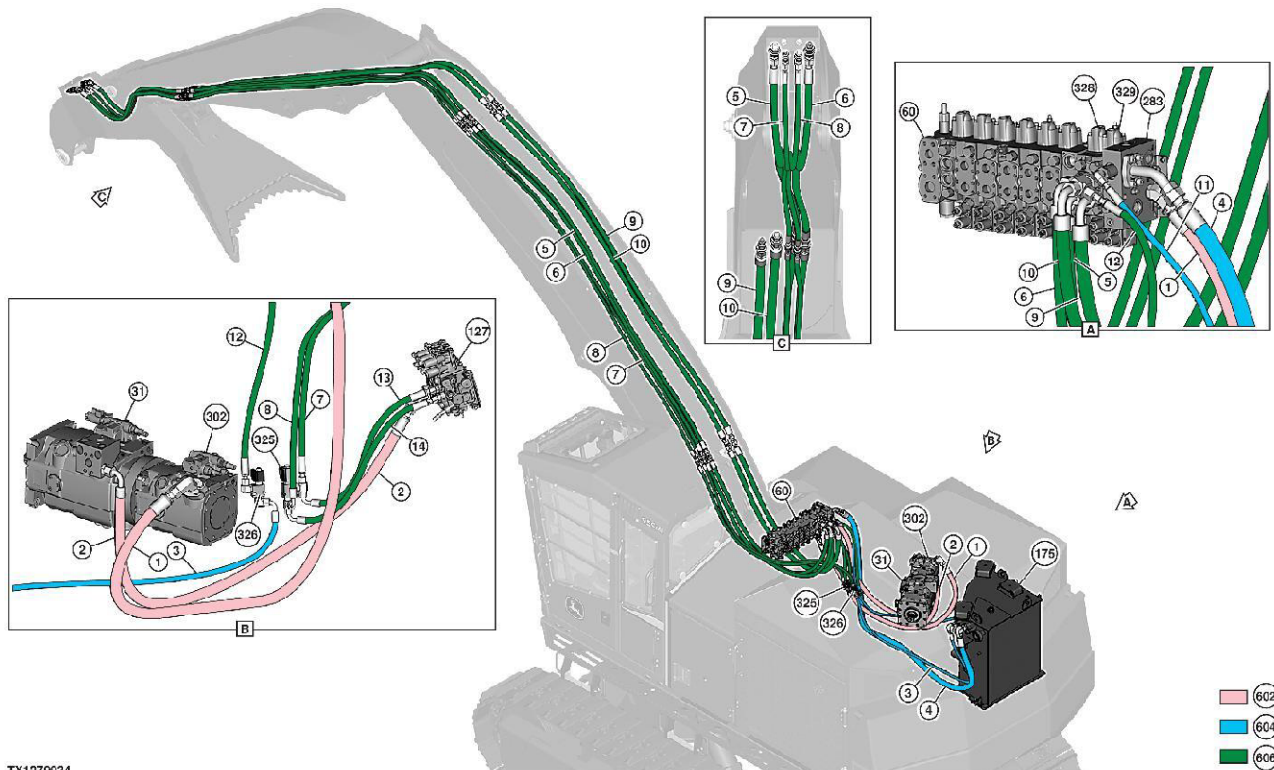
LEGEND:**A5-Vehicle Control Unit (VCU)****A5-01-Vehicle Control Unit (VCU) Connector 1****A5-02-Vehicle Control Unit (VCU) Connector 2****A5-03-Vehicle Control Unit (VCU) Connector 3****F51-Fuse Box 1 (cab)****R5-CAN 3 VCU Termination Resistor****R7-CAN 4 VCU Termination Resistor****U1-Power Converter (24 V-to-12 V DC)****W11-Vehicle Control Unit (VCU) Power Cable****W14-Load Center Harness****W71-Cab Bulkhead Ground****X1-Load Center Harness-to-Main Control Valve Harness Connector****X5-Load Center Harness-to-Right Console Harness Connector****X6-Load Center Harness-to-Seat Harness Connector****X7-Load Center Harness-to-Upper Cab Harness Connector****X8-Load Center Harness-to-Front Cab Work Light Harness Connector****X9-Load Center Harness-to-Attachment Control Module (ACM) Harness Connector 1****X10-Not Used****X34-Power Converter Connector 1****X35-Power Converter Connector 2****X36-Load Center Harness-to-Heating and Air Conditioning Harness Connector****X37-Load Center Harness-to-Fire Suppression System Cab Harness Connector****X38-JDLink™ System Harness Connector****X39-Fuse Box Connector 1 (green)****X40-Fuse Box Connector 2 (blue)****X41-Fuse Box Connector 3 (grey)****X42-Fuse Box Connector 4 (black)****X44-Service ADVISOR™ Connector 1 (cab)****X68-Optional Radio Power Connector 2****X89-Not Used****X200-CAN 3 Interconnect (non-FL100 only)****X255-12 V Customer Power**

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JL56967, 0000936-19-20190314

Valve-in-Carrier (Directional Felling Head)



TX1279634

TX1279934-UN: Attachment System Line Identification

LEGEND:

1-Attachment 1 Valve Supply Line (attachment pump [port A] to attachment 1 valve section port SAW PUMP)

2-Main Hydraulic Pump Pressure Line (main hydraulic pump [port A] to auxiliary control valve port P)

3-Return Line (attachment dump manifold to hydraulic reservoir)

4-Return Line (attachment 1 valve section port TANK to hydraulic reservoir)

5-Attachment Supply Pressure Line (grapple valve section port A to attachment)

6-Attachment Supply Pressure Line (grapple valve section port B to attachment)

7-Attachment Supply Pressure Line (attachment rotate float manifold to attachment)

8-Attachment Supply Pressure Line (attachment rotate float manifold to attachment)

9-Attachment Supply Pressure Line (saw/tilt up valve section port A to attachment)

10-Attachment Supply Pressure Line (saw/tilt up valve section port B to attachment)

11-Return Line (main control valve port MP to case drain filter)

12-Attachment Dump Line (saw/tilt up valve section port B to attachment dump manifold)

13-Attachment Supply Pressure Line (auxiliary control valve port B to attachment rotate float manifold)

14-Attachment Supply Pressure Line (auxiliary control valve port A to attachment rotate float manifold)

31-Main Hydraulic Pump

60-Main Control Valve

127-Auxiliary Control Valve

175-Hydraulic Reservoir

283-Attachment 1 Valve Section

302-Attachment Pump

325-Attachment Rotate Float Manifold

326-Attachment Dump Manifold

328-Grapple Valve Section

329-Saw/Tilt Up Valve Section

602-Low-Pressure Oil

604-Return Oil

606-Trapped Oil

JR49325, 0303560-1E-20190716



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