

John Deere 325G Compact Track Loader Operation & Test Technical Manual - TM14293X19

325G Compact Track Loader Diagnostic

PIN: 1T0325G__G328658—



JOHN HARE



COLLECTION

OPERATION & TEST TECHNICAL MANUAL

325G Compact Track Loader

(PIN: 1T0325G__G328658—)

TM14293X19 01DEC18 (ENGLISH)

For complete service information also see:

4TNV98 and 4TNV98T Diesel Engines.....	ctm130319
325G Compact Track Loader Repair.....	tm14297x19
JDLink™ (MTG) 4G LTE Technical Manual.....	tm143019
Hydraulic Cylinders.....	tm143019



Worldwide Construction and
Forestry Division

Covers: 325G,1T0325G__,G328658)

Type: Service Manual

Language: English

Pages: 591

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 325G Compact Track Loader Operation & Test Technical Manual - TM14293X19**

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.

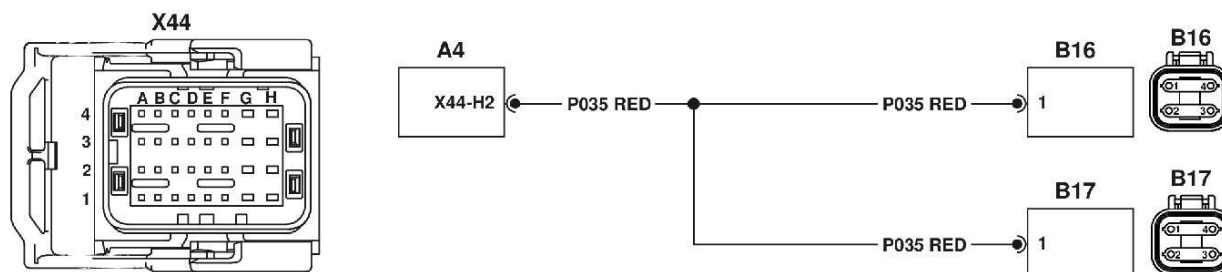
Contents:

- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
- Transmission
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- 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.

003512.03— Sensor Supply 4 Circuit Fault

Sensor supply 4 circuit voltage is above normal.



TX1252974

TX1252974-UN: Sensor Supply 4 Circuit Schematic

LEGEND:

A4-Hydraulic Control Unit (HCU)

B16-Left Motor Speed Sensor

B17-Right Motor Speed Sensor

X44-Hydraulic Control Unit (HCU) 32-Pin Connector 1

X44—H2-Supply

Alarm Level:

No Warning Indicator

Code-Induced Condition:

None

Circuit Information:

See Hydrostatic System Control Circuit Theory of Operation. (Group 9015-05.)

Component Location:

See Right Main Harness (W4) Component Location. (Group 9015-10.)

Diagnostic Test Box Information:

Not Applicable

Additional References:

NOTE:

Vehicle control unit (VCU) software is contained within hydraulic control unit (HCU) (A4), but VCU software functions independently of HCU.

Intermittent DTCs: See Intermittent Diagnostic Trouble Code (DTC) Diagnostics. (Group 9015-15.)

Possible Causes:

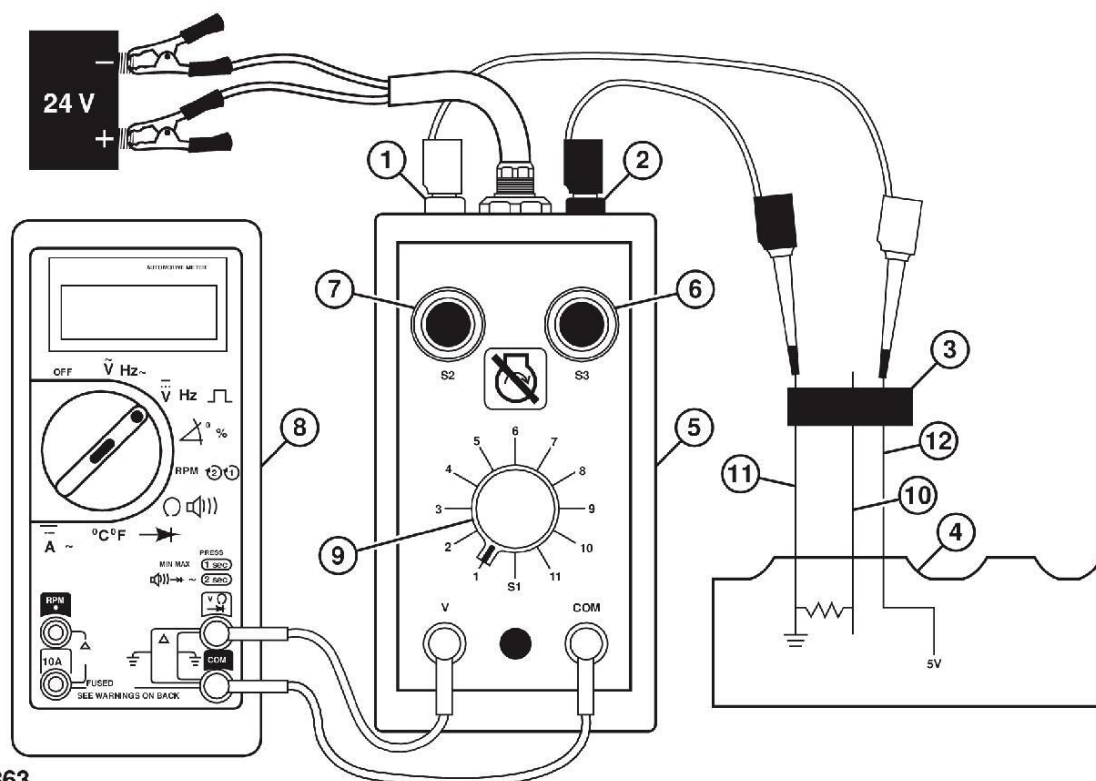
Circuit is short to power.
Software malfunction. Program controller.

BB07533, 0000290-19-20180305

Three Wire Sensor Circuit Check—Out of Range High

This condition can be caused by:

Supply, signal, or ground wire short to power
Sensor malfunction



TX1137863

TX1137863-UN: Three Wire Test Box Setup

LEGEND:

1-Terminal A (yellow)
2-Terminal B (blue)
3-Sensor Harness Connector
4-Control Unit

5-JDG10273 Diagnostic Test Box
6-S3 Switch
7-S2 Switch
8-Digital Multimeter

9-S1 Switch
10-Signal Wire
11-Ground Wire
12-Supply Wire

1. Disconnect sensor.
2. Using wire leads and flex probe kit, connect JDG10273 Diagnostic Test Box (5) to terminals of sensor harness connector (3) as follows:
 Test box V terminal to digital multimeter (8) V+ terminal
 Test box COM terminal to digital multimeter COM terminal
 Test box terminal A (1) to sensor harness connector supply wire terminal
 Test box terminal B (2) to sensor harness connector ground wire terminal

3. View voltage on digital multimeter.

Result	Condition	Action
Voltage is approximately 5 volts.	Short signal wire or sensor.	Continue diagnostics. See step 4.
Voltage is greater than 5 volts.	Supply or ground wire is short to power.	Press S2 switch (7). Voltage Unchanged: Replace supply wire. Voltage Decreases: Replace ground wire.

4. Connect Service ADVISOR™. [See Service ADVISOR™ Connection Procedure](#). (Group 9015-15.)
5. Move connection of test box terminal A to sensor harness connector signal wire terminal.
6. View appropriate Service ADVISOR™ reading as indicated by diagnostic procedure.
7. Set digital multimeter to measure voltage.
8. Set S1 switch (9) on test box to number as indicated by diagnostic procedure.



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