

# John Deere 844K-III AH, 844K-III (SN. F677782-) 4WD Loader Diagnostic Technical Manual (TM14158X19)

844K-III AH, 844K-III 4WD  
Loader Operation and  
Test

(PIN: 1DW844KA\_\_F677782—;  
PIN: 1DW844KC\_\_F677782—)



JOHN HARE



COLLECTION

OPERATION & TEST TECHNICAL MANUAL

844K-III AH, 844K-III 4WD Loader

(PIN: 1DW844KA\_\_F677782—; PIN: 1DW844KC\_\_F677782—)

TM14158X19 01DEC18 (ENGLISH)

For complete service information

6135 Diesel Engine — L  
844K-III AH, 844K-III 4W  
JDLink™ 2G / 3G MTG Technical Ma



Worldwide Construction and  
Forestry Division

Covers: 844K-III, 1DW844KA\_\_, F677782 ( ), 844K-III, 1DW844KC\_

**Type:** Service Manual

**Language:** English

**Pages:** 1039

**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 844K-III AH, 844K-III (SN. F677782-) 4WD Loader Diagnostic Technical Manual (TM14158X19)**

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
- 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.

**HCU 051- Left Draft Sensor Signal Circuit**

Service Code HCU 051 indicates that the signal voltage of the left draft sensor on the hitch is not in spec

**Service Code Diagnosis****→NOTE:****Caused by:**

- a faulty draft sensor (B20).
- a wrong adjusted draft sensor.
- a faulty signal lead.
- an internal HCU failure.

**Additional References:**

- Theory of Operation: [“Rockshaft Control”](#), Section 270, Group 20D.
- Theory of Operation: [“Draft Sensor”](#), Section 270, Group 20D.
- [“Checking and Adjusting Draft Sensors”](#), Section 270, Group 15.
- [“Electrical Circuit Malfunctions”](#), Section 240, Group 05.

**[ 1 ] LH Draft Sensor Signal Circuit Check****Action:****→NOTE:**

Recall, record and clear codes before proceeding (See reference [“Recall Codes Procedure”](#), Section 245, Group 05) to ensure that the Service Code which you are trouble shooting is an active code.

**IMPORTANT:**

*Check signal voltage of LH Draft Sensor not under load. There should not be any draft links on the draft sensor bearing pin*

Access Address HCU 04 and perform [“LH Draft Sensor \(B20\) Signal Circuit Test”](#), Section 245, Group 05.



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for your reading.  
Please click here  
to get more information.