

# John Deere 1050J Crawler Dozer Diagnostic, Operation and Test Service Manual (TM10113)

## 1050J Crawler Dozer Diagnostic

### OPERATION AND TEST MANUAL

Dozer models 1050J

TM10113 28 JAN 16 (ENGLISH)

For complete service information also see:

1050J Crawler Dozer	TM10114
Alternators and Starting Motors	CTM77
Super Caddy Oil Cleanup Procedure	CTM310
Hydrostatic Pump Repair Instructions	CTM10010
Hydrostatic Motor Repair Instructions	CTM10009
Ultrasonic Undercarriage Measurement Gauge	CTM10001



John Deere Construction and Forestry

**Type:** Service Manual

**Language:** English

**Pages:** 1075

**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 1050J Crawler Dozer Diagnostic, Operation and Test Service Manual (TM10113)**

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...

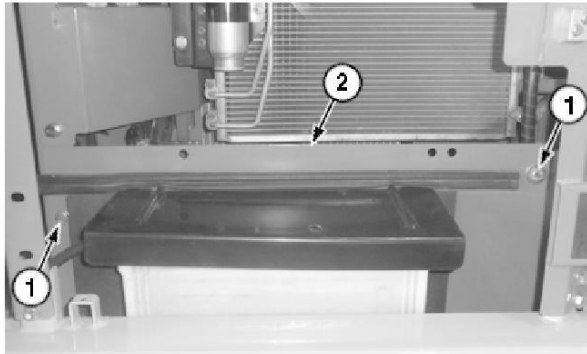
Please note this manual is in **downloadable PDF format only**. If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

## Battery Remove and Install



- CAUTION:**  
Prevent personal injury from exploding battery. Keep sparks and flames away from batteries. Always remove grounded (-) battery clamp first and replace it last.

Park machine and prepare for service. See Park and Prepare for Service Safely. (Group 9000-01.)

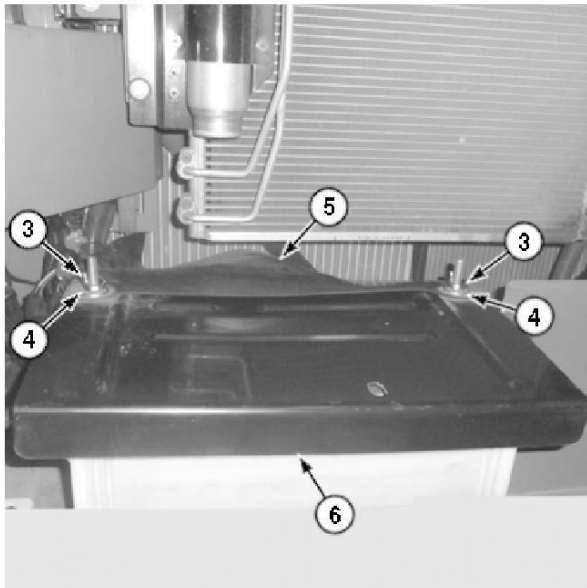


TX1119352A-UN: Bracket Removal

**LEGEND:**

- 1-Cap Screw (2 used)**  
**2-Bracket**

- Remove cap screws (1) and bracket (2).

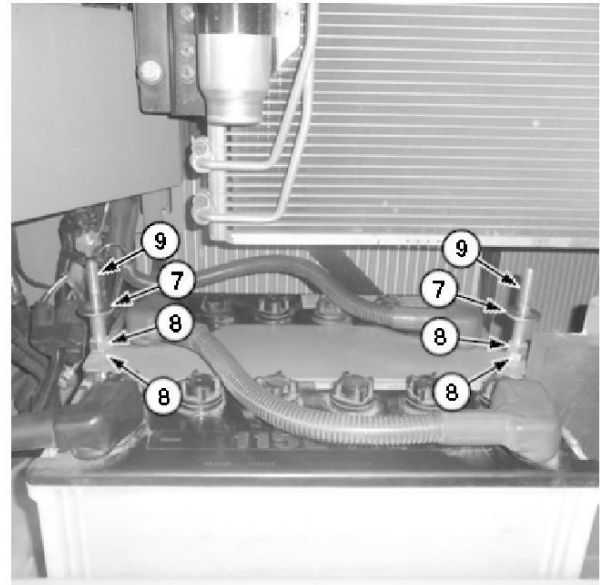


- TX1119362A-UN: Cover Removal

**LEGEND:**

- 3-Wing Nut (2 used)**  
**4-Washer (2 used)**  
**5-Rubber Mat**  
**6-Battery Cover**

Remove wing nuts (3), washers (4), rubber mat (5), and battery cover (6).

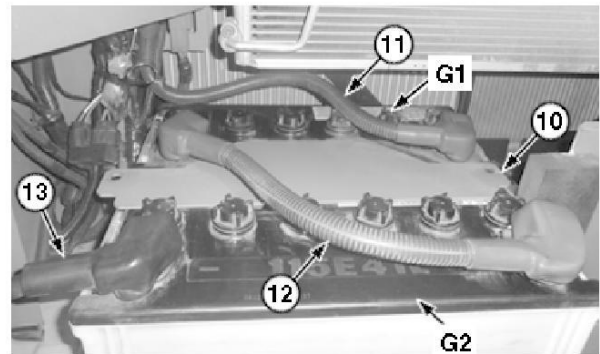


- TX1119364A-UN: Battery Hold Down Bracket Removal

**LEGEND:**

- 7-Washer (2 used)**  
**8-Nut (4 used)**  
**9-J-Bolt (2 used)**

Remove washers (7), nuts (8), and J-bolts (9).



- TX1119367A-UN: Battery Removal

**LEGEND:**

- 10-Battery Hold-Down Bracket**  
**11-Positive Cable**  
**12-Jumper Cable**  
**13-Negative Cable**  
**G1-Battery**  
**G2-Battery**

Disconnect cables (11—13), remove battery hold-down bracket (10), and remove batteries (G1 and G2).

- Check cables and clamps for wear or corrosion. Verify batteries are fully charged.

**IMPORTANT:**

- Prevent electrical system damage. If one battery in a 24-volt system has failed, replace both batteries.**

Install batteries.

- Connect cables.
- Install hold-down bracket, J-bolts, nuts, and washers.
- Install cover, rubber mat, washers, and wing nuts.
- Install bracket and cap screws.

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