

# 710D Backhoe Loader Operation and Test



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## TECHNICAL MANUAL 710D Backhoe Loader Operation and Test

TM1537 26FEB02 (ENGLISH)

For complete service information also see:

|  |        |
|--|--------|
| 710D Backhoe Loader Operation<br>and Test (Complete) ..... | TM1537 |
| 710D Backhoe Loader Repair (Complete) ..                   | TM1538 |
| Radial Piston Pump .....                                   | CTM7   |
| 6059 Engine .....  | CTM8   |
| Engine Accessories .....                                   | CTM11  |
| OEM Engine Accessories                                     |        |
| Alternators and Starting Motors                            |        |
| 6068 Engine .....  |        |
| 1200 Series Axle .....                                     | CTM43  |

Worldwide Construction  
And Forestry Division  
LITHO IN U.S.A.



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# Introduction

## Foreword

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.



This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.

Technical manuals are divided in two parts: repair and operation and tests. Repair sections tell how to repair the components. Operation and tests sections help you identify the majority of routine failures quickly.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

Technical Manuals are concise guides for specific machines. They are on-the-job guides containing only the vital information needed for diagnosis, analysis, testing, and repair.

Fundamental service information is available from other sources covering basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes.

See DB1990 Service Publications Catalog to order a complete Technical Manual (TM) or a Technical Manual Section (TMS). A complete Operation and Test manual includes the following sections:

1. 9000
  - Section 9000 General Information
2. 9005
  - Section 9005 Operational Checkout Procedure
3. 9010
  - Section 9010 Engine
4. 9015
  - Section 9015 Electrical System
5. 9020
  - Section 9020 Power Train
6. 9025
  - Section 9025 Hydraulic System
7. 9031
  - Section 9031 Heating and Air Conditioning

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## John Deere Dealers

**IMPORTANT: Please remove this page and route through your service department.**

Listed below is a brief explanation of “WHAT” was change and “WHY” it was changed.

1. Section 9000:  
To include any specifications, oil capacity and safety concerns for new rear axle, transmission, charge pump, park brake, and service brake valve.
2. Section 9005:  
To add operational checks for new transmission, park brake, differential lock, and service brake valve.
3. Section 9010:  
To include miscellaneous updates and update serial numbers.
4. Section 9015:  
To include information for new engine, front console, and side console harnesses. To add new tachometer and low brake pressure warning system.
5. Section 9020:  
To add information for new transmission and rear axle. For machines (S.N. 872257— ), information on the park brake and differential lock will now be provided in this section.
6. Section 9025:  
To make required changes because of new charge pump located on the rear of the transmission. To change plumbing and schematics required by the removal of the park brake/differential lock valve. To add information on the new service brake valve.
7. Section 9031:  
To improve format and add information on new side console harness.
8. ...

*Introduction*





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