

John Deere 6095MC,6105MC, 6115MC, 6095RC, 6105RC, 6115RC Tractors MY2016-17 Repair Manual (TM409419)

644K 4WD Loader (SN.
E634315-658064) with
Engine 6090HDW13 (iT4)
Repair



REPAIR TECHNICAL MANUAL

**4WD Loaders with Engines 6090HDW13 models 644K (PIN:
1DW644KZ**E634315-658064)**

TM12107 22 FEB 16 (ENGLISH)

For complete service information also see:

644K 4WD Loader Engine 6090HDW13 (IT4) Diagnostic	TM12105
JDLink (MTG) Technical Manual	TM114519
JDPS Master Tool Manual	TM111119
TMIV1200 - 1400 S	CTM442
120 Series Hydraulic Cylinders	
185 Series Hydraulic Cylinders	
120 Series Hydraulic Cylinders	
125 Series Hydraulic Cylinders	
6090 PowerTech Diesel Engine (Interim) Level 21 ECU	CTM104819
JDLINK/ZXLINK Machine Monitoring System	CTM10006

PDF



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John Deere Construction and Forestry
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TM12107

Covers: (MY16,MY17):,6095MC,6105MC,6115MC,6095RC,6105RC,6115RC

Type: Service Manual

Language: English

Pages: 738

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 6095MC, 6105MC, 6115MC, 6095RC, 6105RC, 6115RC Tractors MY2016-17 Repair Manual (TM409419)**

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.

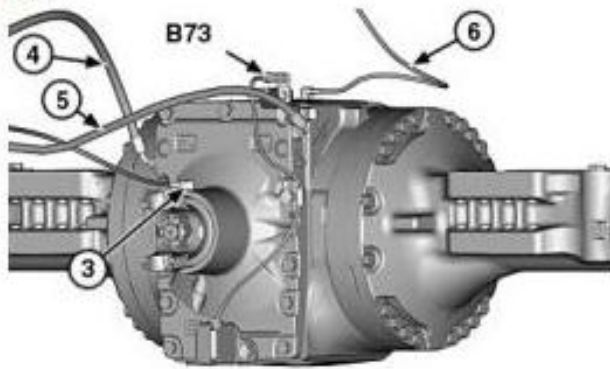
Contents:

- 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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- Electrical System
- Electrical Tests and Diagnostics
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- 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.

Disconnect drive shaft from front axle. Discard universal joint cap screws. [See Universal Joint and Drive Shaft Remove and Install](#). (Group 0225.)

[8] -



LEGEND:

- 3 Grease Line
- 4 Differential Lock Line
- 5 Service Brake Line
- 6 Breather Line
- B73 Front Axle Oil Temperature Sensor (if equipped)

Front Axle

Tag and disconnect lines (3–6). Close all openings using caps and plugs.

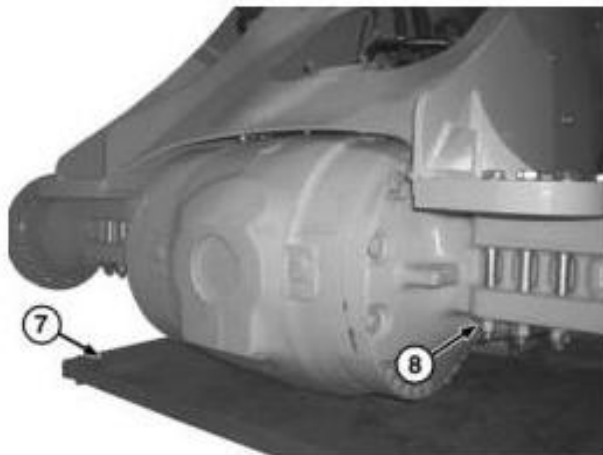
[9] - Disconnect front axle oil temperature sensor (B73) (if equipped) from loader frame harness.

[10] -



CAUTION:

Prevent possible crushing injury from heavy component. Use appropriate lifting device.



LEGEND:

- 7 JT01642A Low-Lift Transmission Jack
- 8 Axle Mounting Nut (12 used)

JT01642A Low-Lift Transmission Jack

Install JT01642A Low-Lift Transmission Jack (7) under front axle and differential.

Item	Measurement	Specification
Front Axle and Differential	Weight (approximate)	953 kg 2100 lb.

Low-Lift Transmission Jack

JT01642A

For removal and installation of axle and differential

[11] - Remove axle mounting nuts (8), washers, and cap screws.

[12] - Lower axle and differential assembly.

[13] - Clean and inspect parts. Repair or replace axle or differential as necessary. [See TeamMate™ IV 1200 - 1400 Series Inboard Planetary Axles](#). (CTM442.)

[14] - Clean mating surfaces on axle housing and loader frame.



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for your reading.
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to get more information.