

John Deere C440 Combine (SN. 020000-) Technical Service Manual (TM702919)

C440 Combine
(SN. 020000—)



JOHN HARE



COLLECTION

TECHNICAL MANUAL
C440 Combine (SN. 020000—)

TM702919 01DEC18 (ENGLISH)



John Deere

Covers: C440,020000)

Type: Service Manual

Language: English

Pages: 806

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 C440 Combine (SN. 020000-) Technical Service Manual (TM702919)**

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.

Main Hydraulic System-Theory of Operation

NOTE:

The hydraulic components names and codes refer to the following section. (See Main Hydraulic System-Schematic in Section 270, Group 30.)

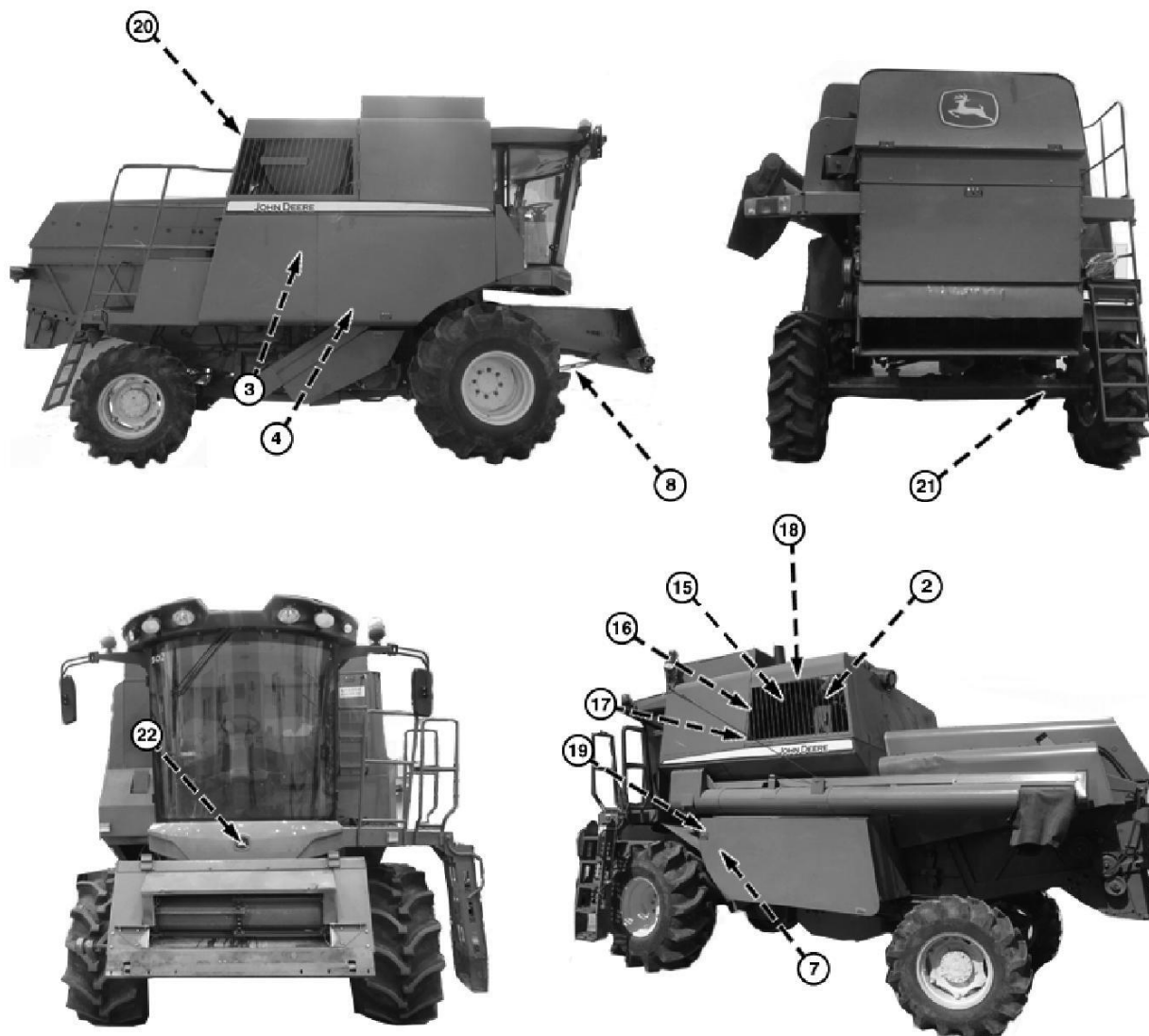
Combine is equipped with an open hydraulic system. System has reservoir, pumps, control valves, cylinders and so on. Oil flows through the system whenever the engine is running. Control valves and cylinders are used to raise and lower header, adjust reel height, adjust cylinder speed, adjust unloading auger position, steer combine, engage header power, engage unloading power and engage threshing power.

The main hydraulic system includes operating hydraulic system, steering hydraulic system and engage hydraulic system. Operating hydraulic system, steering hydraulic system and engage hydraulic system share the same hydraulic reservoir (20). Operating hydraulic system and steering hydraulic system share the same hydraulic pump (Operating System) (2). Hydraulic pump (Operating System) (2) is a double gear pump. Pump provides one direction oil to steering system and pumps another direction oil to operating hydraulic system. Hydraulic pump (Engage System) (15) is a single gear pump and provides pressured oil to engage hydraulic system.

Operating hydraulic system component includes control valve (3), header lift cylinder (8), reel lift cylinder-right hand (6), reel lift cylinder-left hand (5), unloading auger swing cylinder (7), threshing cylinder speed adjust cylinder (4), hydraulic lines and so on.

Steering hydraulic system component includes steering metering valve (22), steering cylinder (21), hydraulic lines and so on.

Engage hydraulic system component includes control valve (16), header power engage cylinder (19), threshing power engage cylinder (18), unloading auger swing cylinder (17), hydraulic lines and so on.





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to get more information.