

# John Deere 8010, 8020 2WD or MFWD Tractors All Inclusive Technical Service Manual (sm2030)



## 8000 Series Tractors



### SERVICE MANUAL 8000 Series Tractors

SM2030 (01MAR64) English



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ENGLISH



**Covers:** 8010,8020

**Type:** Service Manual

**Language:** English

**Pages:** 574

**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 8010, 8020 2WD or MFWD Tractors All Inclusive Technical Service Manual (sm2030)**

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.

**DISASSEMBLY**

Clean the outside of the valve assembly thoroughly with solvent.

Place valve assembly on a bench and remove end caps (Fig. 160-20-9), dust seal retainer and

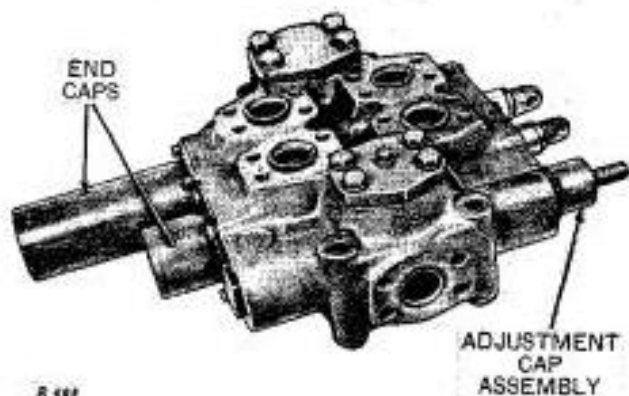


Fig. 160-20-9—Hydraulic Operating Valve

seals (Fig. 160-20-10).

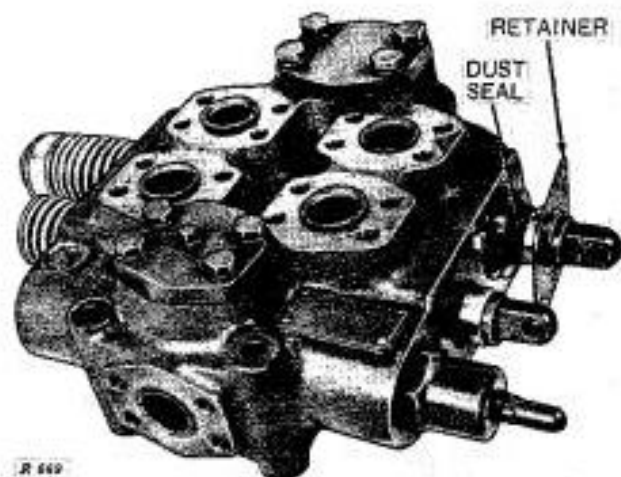


Fig. 160-20-10—Dust Seal and Retainer

**VALVE SPOOL (FLOAT)**

Insert an Allen wrench in the socket at the plug end of the spool (Fig. 160-20-11) and insert a drift through the hole in the eye of the valve spool. Hold the wrench and strike the drift a sharp blow with a hammer to loosen either the eye or the plug at the opposite end of the spool.

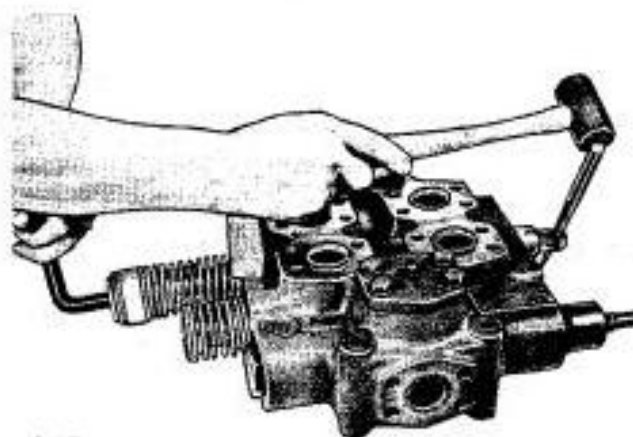


Fig. 160-20-11—Removing No. 1 Spool

If the plug loosens from the spool, remove the plug and the load check valve and spring (Fig. 160-20-12).

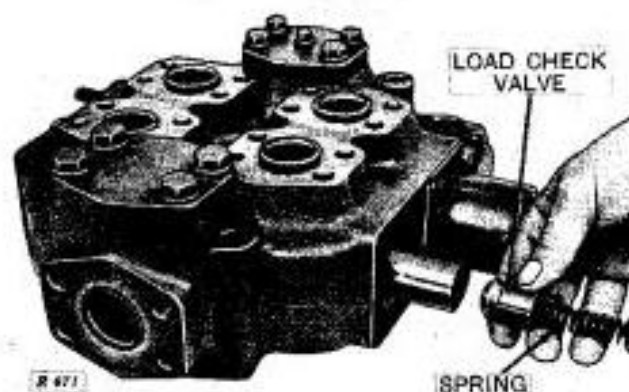


Fig. 160-20-12—Load Check Valve and Spring



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to get more information.