

# John Deere 1790 Front-Fold Planters (SN.705101◆◆◆◆◆◆◆740100) Diagnostic and Tests Service Manual (TM2159)

1640, 1840, 2040  
and 2040 S Tractors



John Deere Werke Mannheim  
John Deere Ibérica S.A. Getafe  
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**Covers:** 1790,(SN.705101◆◆◆◆◆◆◆740100)

**Type:** Service Manual

**Language:** English

**Pages:** 719

**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 1790 Front-Fold Planters (SN.705101◆◆◆◆◆◆740100) Diagnostic and Tests Service Manual (TM2159)**

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
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- Differential
- PTO
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- 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...

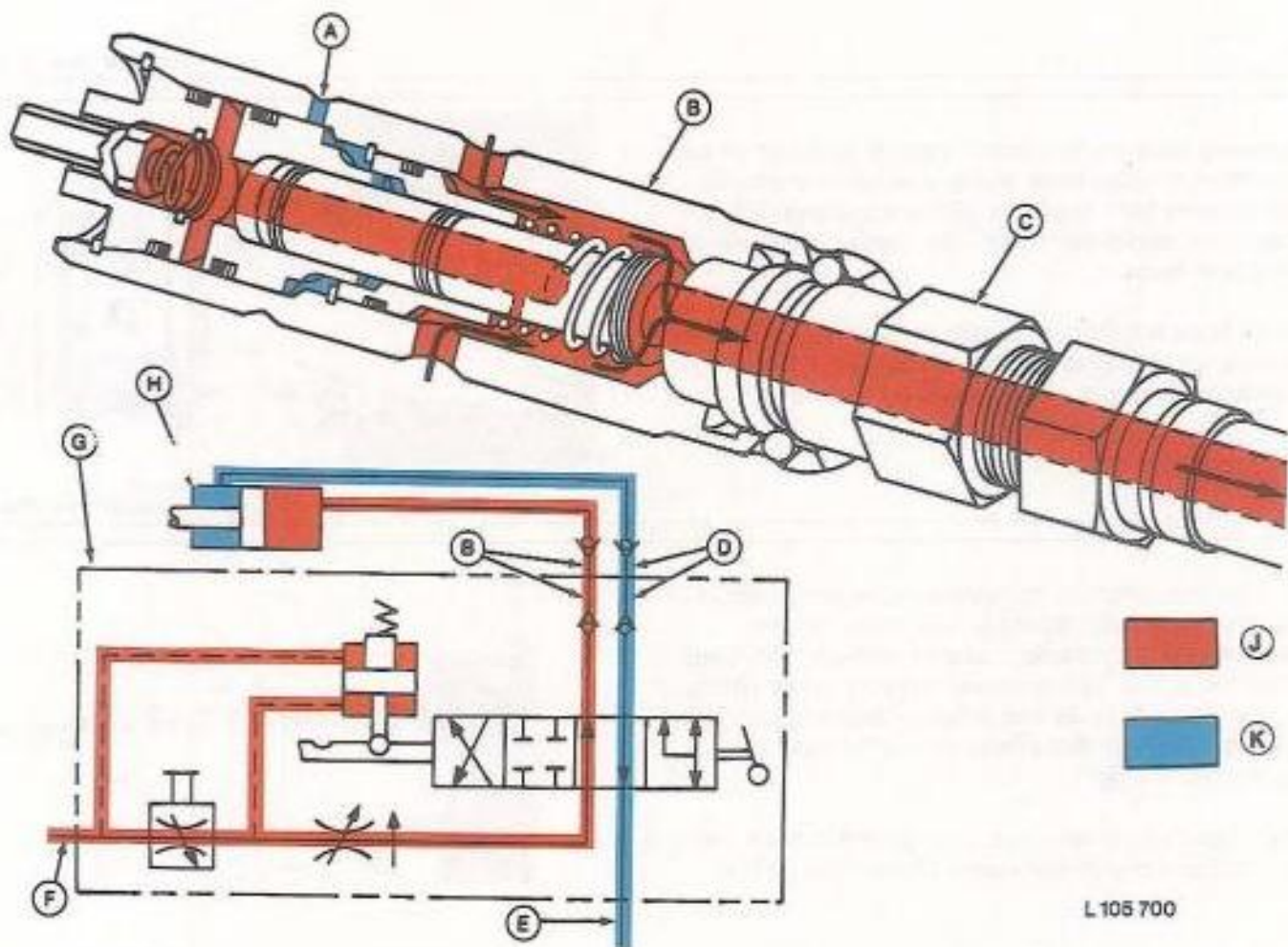
Please note this manual is in **downloadable PDF format only**. If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

## OPERATION

Example shown is left-hand coupler (B) with SCV operating to extend cylinder (H). Attaching remote cylinder hose (C) opens path for pressure oil from SCV to cylinder. Right-hand coupler (D)

provides return path for oil from back side of cylinder.

Passage (A) allows leak-off of oil to prevent hydraulic lock during hose attachment.



A-Leak-off passage  
B-Left-hand coupler  
C-Remote cylinder hose

D-Right-hand coupler  
E-To sump

F-From pressure control valve  
G-SCV housing  
H-Remote cylinder

J-High pressure oil  
K-Return oil

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