

# John Deere 7720, 7820, 7920 Tractors Service Repair Technical Manual (TM2080)

## 7720, 7820, 7920 Tractors - Repair

### REPAIR MANUAL

7720, 7820, 7920

TM2080 26FEB11 (ENGLISH)

For complete service information also see:

|  |        |
|--|--------|
| Original GreenStar (AMS) Diagnosis and Tests Manual                            | TM2240 |
| 7720, 7820 and 7920 Tractors - Operation and Test                              | TM2025 |
| Series 450, 6081 Diesel Engines  | CTM86  |
| Alternators and Starting Motors  | CTM77  |
| OEM Engine Accessories   | CTM67  |
| PowerTech 8.1L Diesel Engine<br>Electronic Fuel System<br>Pressure Common Rail | CTM104 |
| PowerTech 4.5 L and 6.8 L<br>Level 11 Electronic Fuel System<br>Denso HPCR     | CTM104 |
| PowerTech Plus® 4.5L & 6.8L<br>Engines Base Engine                             | CTM104 |

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John Deere Agriculture

Covers: 7720,7820,7920

**Type:** Service Manual

**Language:** English

**Pages:** 1402

**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 7720, 7820, 7920 Tractors Service Repair Technical Manual (TM2080)**

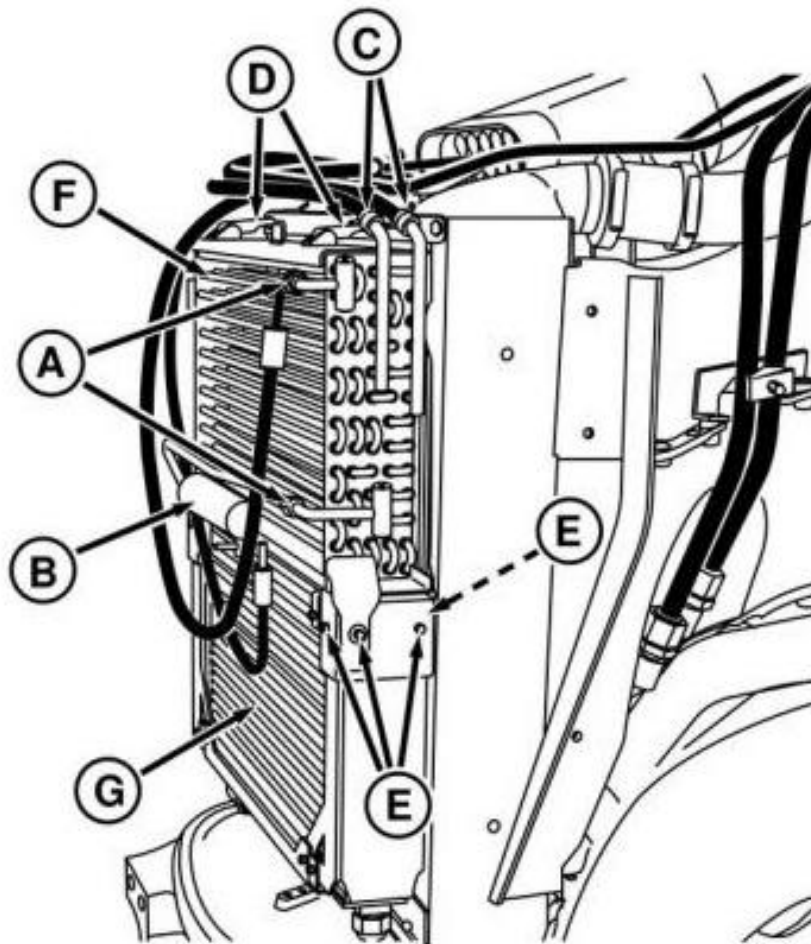
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**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.

## Remove Air Conditioning Condenser/Fuel Cooler

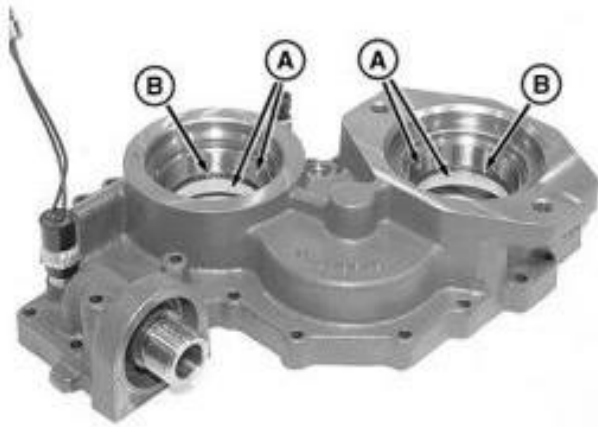


### Fuel Cooler, A/C Condenser & Lines

#### LEGEND:

|   |                        |
|---|------------------------|
| A | A/C Condenser Lines    |
| B | Receiver-Dryer         |
| C | Fuel Cooler Hoses      |
| D | Latch (2 used)         |
| E | Cap Screws (8 used)    |
| F | Fuel and A/C Condenser |
| G | Hydraulic Oil Cooler   |

- [1] - Open hood.
- [2] - Discharge air conditioning system. (See Discharge Air Conditioning System in Section 90, Group 10.)
- [3] - Disconnect A/C condenser lines (A). Cap lines to prevent contamination.
- [4] - Remove receiver-dryer (B) and brackets.
- [5] - Disconnect both fuel cooler hoses (C). Clamp lines to prevent fuel spillage.
- [6] - Release latches (D) from top of the cooler and tilt coolers forward.
- [7] - Remove retaining cap screws (E) from both sides of the cooler.

**LEGEND:**

- A Bearing Cups
- B Spacer

**Bearing Cups**

Replace bearing cups (A) and spacer (B).

[5] -

**LEGEND:**

- A Bearing Cone, Inner
- B Spacer
- C Bearing Cone, Outer

**Idler Gear Bearings**

Press inner bearing cone (A) on gear.

[6] - Position spacer (B) and outer bearing cone (C) on gear.

[7] -





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for your reading.  
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to get more information.