

# John Deere 735FD, 745FD, 730FD, 740FD Flex Draper Platforms Repair Technical Manual - TM151419

**735FD, 745FD, 730FD,  
740FD Flex Draper  
Platforms**



JOHN HARE



COLLECTION

**REPAIR TECHNICAL MANUAL**

**735FD, 745FD, 730FD, 740FD Flex Draper Platforms**

TM151419 01NOV19 (ENGLISH)



John Deere Harvester Works

**Covers:** 735FD,745FD,730FD,740FD

**Type:** Service Manual

**Language:** English

**Pages:** 311

**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 735FD, 745FD, 730FD, 740FD Flex Draper Platforms Repair Technical Manual - TM151419**

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:**

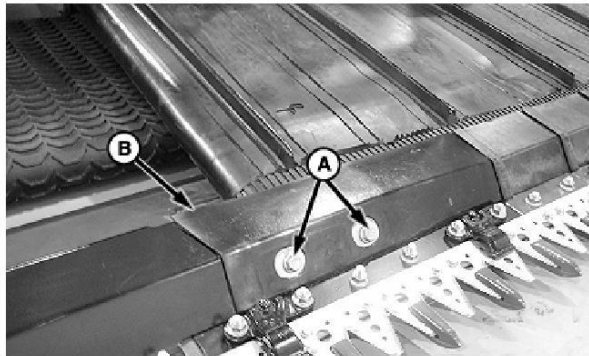
- General Information
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- and much more...

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.

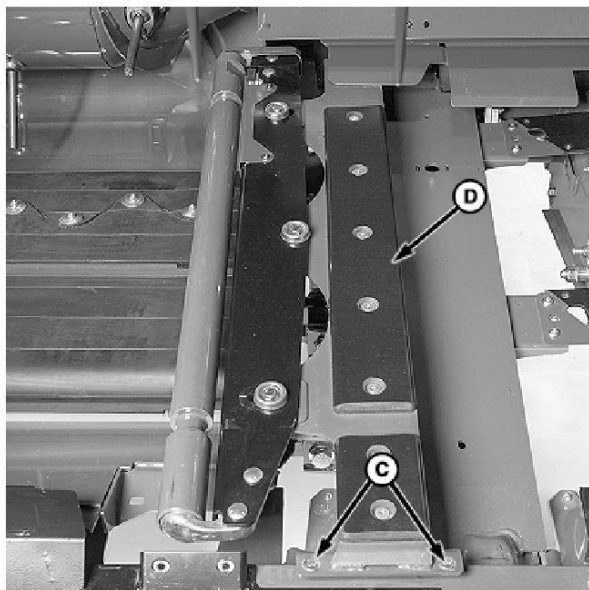
## 13. NOTE:

Crop ramps are connected. Removal of the additional crop ramps could be necessary to release the roller assembly.

Belt removed for clarity.



H124528-UN: Crop Ramp



H124527-UN: Idler Roller Assembly

### LEGEND:

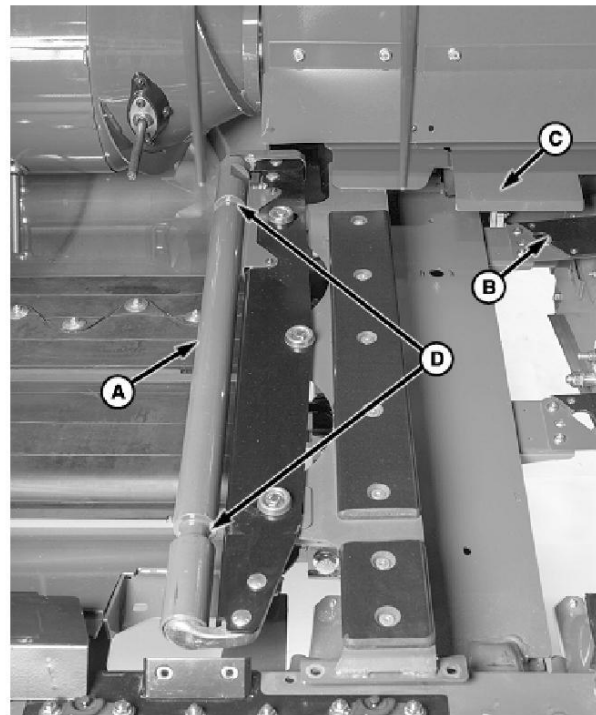
- A-Cap Screw (2 used)**
- B-Crop Ramp**
- C-Cap Screw and Nut (2 used)**
- D-Idler Roller Assembly**

Remove cap screws (A) and crop ramp (B).

14. Remove cap screws and nuts (C) located underneath the crop ramp.
15. Lift up on idler roller assembly (D) and remove belt.
16. Install in reverse order of removal.

## IMPORTANT:

17. If improperly installed, serious damage can occur to the side draper belt. Verify that the side draper belt is positioned properly before and after tensioning.



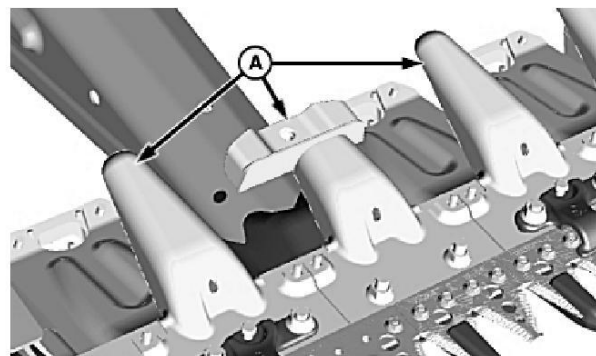
H124529-UN: Idler Roller

### LEGEND:

- A-Idler Roller**
- B-Lower Belt Channel**
- C-Upper Belt Support**
- D-Guide Grooves**

Install the side draper belt around the idler roller (A). Ensure that inner ribs are seated in guide grooves (D) on both idler and drive rollers.

18. Install the lower loop of the belt into channel (B) and the upper loop above support (C).



H122875-UN: Front Belt Supports

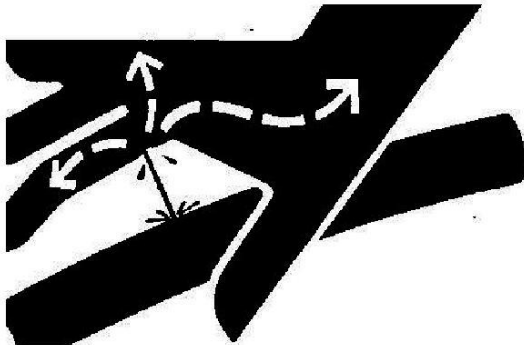
### LEGEND:

- A-Front Belt Support**

Slide the bottom loop of the side draper belt underneath all front belt supports (A).

## Remove and Install Reel Lift Cylinder—Split Reel

1.  **CAUTION:**



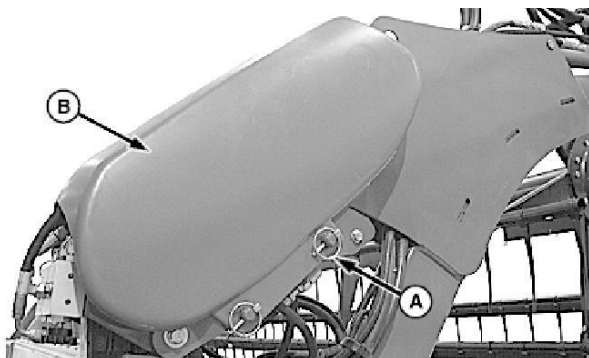
X9811-UN: Avoid High-Pressure Fluids

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Search for leaks with a piece of cardboard. Protect hands and body from high-pressure fluids. If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene can result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.

Start the engine.

2. Fully lower the platform to the ground.
3. Fully lower the reel.

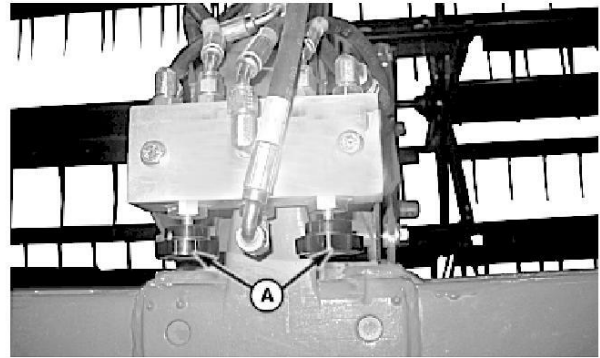


4. H102500-UN: Cylinder Cover

**LEGEND:**

**A-Quick Lock Pin (4 used)**  
**B-Cover**

Remove quick lock pins (A) and cover (B).



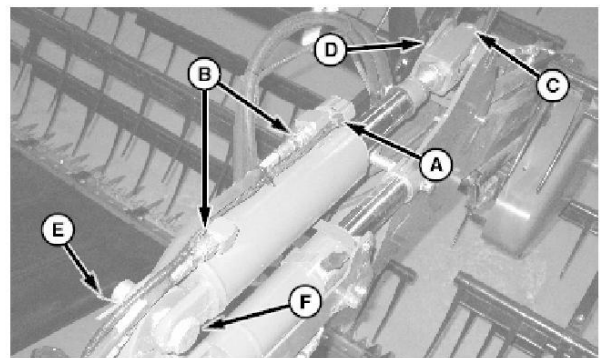
5. H97068-UN: Phasing Valve

**LEGEND:**

**A-Phasing Valve (2 used)**

Open the phasing valves (A) and relieve the pressure. Press the reel lower switch to ensure that the pressure has been released.

6. Set the park brake, shut off the engine, and remove the key.



7. H96993-UN: Supply Cylinder

**LEGEND:**

**A-Connector**  
**B-Hydraulic Hose (2 used)**

**C-Pin**

**D-Pin**

**E-Cotter Pin**

**F-Pin**

Attach a lifting device of adequate capacity to support the center arm of the reel.

8. Disconnect connector (A).

9. **NOTE:**

Cap and plug the hose and fitting to prevent system contamination and fluid loss.

Disconnect hydraulic hoses (B).

10. Remove cotter pin and pin (C).

11. Remove pin (D).

12. Remove cotter pin (E) and pin (F).

13. Remove the hydraulic cylinder.

14. Repair or replace the cylinder as necessary. (See the relevant component technical manual for the cylinder repair procedures.)

15. Install in reverse order of removal.

16. Bleed the reel lift cylinders. (See [Bleeding Reel Lift Cylinder—Split Reel](#) in Section 70, Group 05.)



Thank you very much  
for your reading.  
Please click here  
to get more information.