

QUICK REFERENCE CARD – JOHN DEERE COMBINES

Combine Preparations

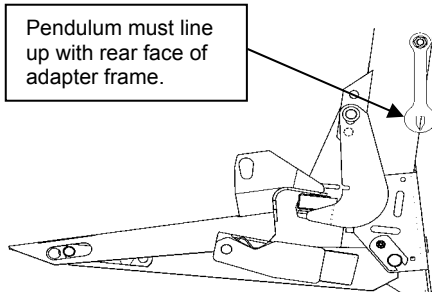
- Remove all feeder house dust shields, closure panels etc. that are removable. For Contour Master combines, some dust shields are not removable. For these, add links to the feeder chain to position the feeder drum as far forward as possible to achieve 1" to 2" dimension shown below right.



- Run feeder chain at high speed. Reposition chain to large sprocket. (On older combines, install 3 offset links to allow repositioning.)
- For best performance, feed chain should have 6 pitches between bars. If there are only 4 pitches between bars, remove every second bar.



- Adjust drum height to grain position.
- For models with variable speed feeder house drive, set header output shaft speed to 520 rpm. Fixed speed models are not adjustable.
- Fully retract header tilt cylinder and lower header until it slightly contacts the ground. At this point adjust feeder faceplate angle to align pendulum with rear face of adapter (if applicable).

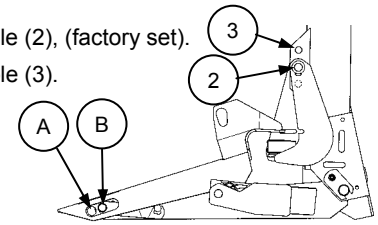


873 Adapter Initial Settings

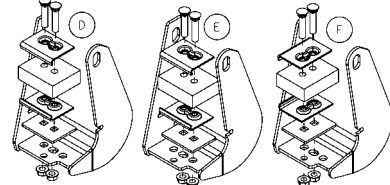
- Place adapter float pin in proper hole for your header model as follows:
 - 963/972/973/974 headers in hole (B) with dust shields and hole (A) with dust shields removed.

- Place adapter down stop pin in proper hole for your header model as follows:

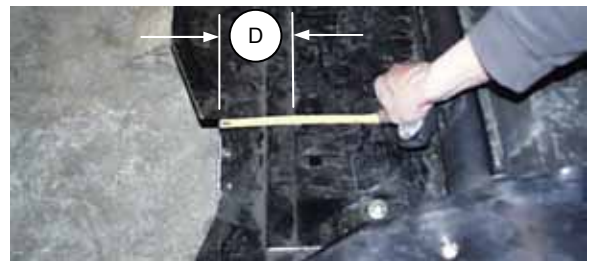
- 973/974 headers in hole (2), (factory set).
- 963/972 headers in hole (3).



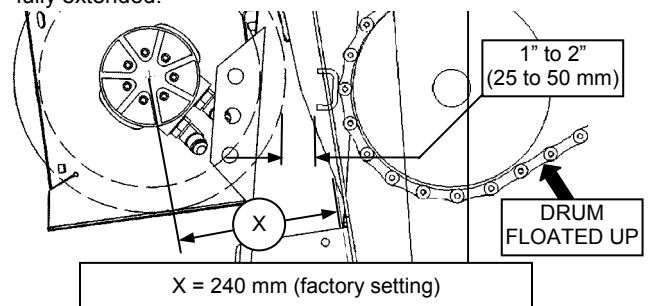
- If mounting adapter to a header, ensure down stop pads are orientated properly.
 - 963/972/973 header with dust shields removed and 973 with dust shields on, orientation is correct as shipped (D).
 - 963/972 with dust shields on, orient pads to position (F).
 - 974 headers, orient pads to position (E).



- For 972/973/974 - Install skid plate on adapter feed pan so dim. D = 4-11/32" (110 mm) in **Hole B** (dust shields installed), or D = 3-1/2" (90 mm) in **Hole A** (dust shields removed).
- For 963 - Slide transition plate forward until feed pan bolts hit front of slot in **Hole B** (dust shields installed), or slide transition plate rearward until feed pan bolts hit rear of slot in **Hole A** (dust shields removed).



- Refer to 873 Operators Manual for adjustment details.
- Adjust RTD position to achieve 1" to 2" dimension. **Note:** To achieve this feed chain on combine may need to be fully extended.



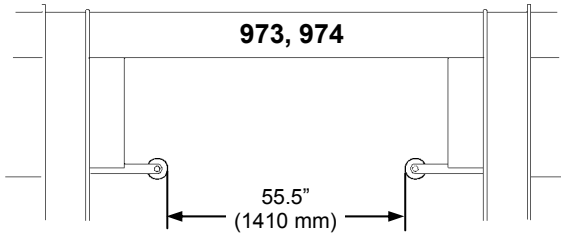
Note: Poly deflectors may need to be adjusted. Refer to 873 Operator's Manual.

- 9500/10, CTS/II, 50 Series except 9650:** To avoid damage to header, remove one tine from each end of RTD.
- Contour Master:** To avoid damage to header and adapter, set float handles to limit float and move RTD forward into the operating position. Refer to 873 Operators Manual.
- Set the center link between the header and adapter to 19-1/4" (490 mm) length (pin to pin).
- Set the float to specs given on pages 3 & 4.
- Set the draper speed flow control so number "4" is at the 12 o'clock position.

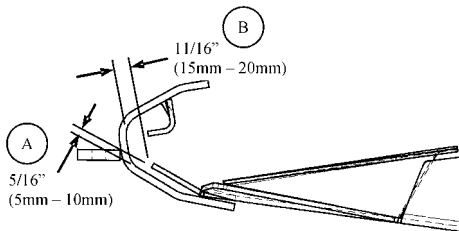
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Header Initial Settings

- See page 4 for 963 Header
- For 973 and 974 Model Headers: Set the center delivery opening to **55.5" (1410 mm)**.

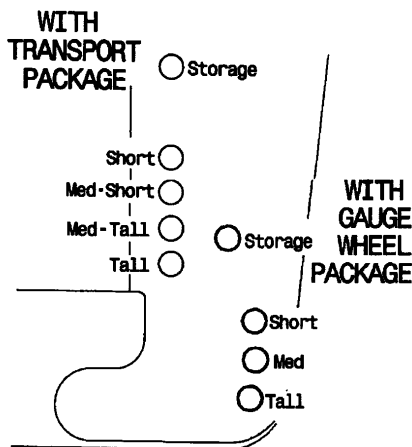


- Position the decks so there is equal overlap of adapter feed draper each side.
- Align the vertical edge of the rear deflectors on the feed pan just inside the edge of the feeder house opening to ensure smooth crop flow.
- Re-check skid plate clearance (set during 873 initial settings) with adapter inserted in header. (see appropriate dimensions below) Refer 873 Operators Manual for further details.



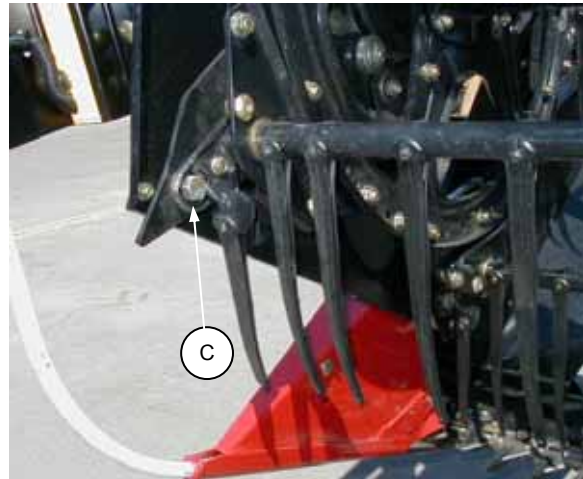
NOTE: A 5-10mm gap at (A) is equivalent to a 15-20mm gap at (B).

- Gauge wheels are intended to help float the header when cutting off the ground. For such applications set gauge wheels in the Short – Tall setting depending on cut height. **Note:** When cutting on the ground place gauge wheels in the storage position.

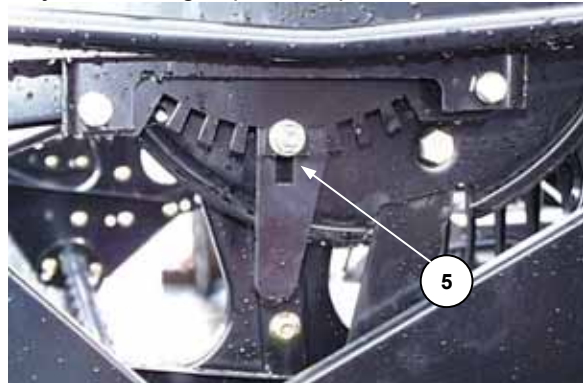


Pickup Reel Initial Settings

- See page 4 for 963 Header
- Install bolt (C) through the cam arm with head inboard and torque to 120 ft. lbs. (162 N·m.)



- Adjust the finger pitch to position **5**.



- Set the fore/aft position to between **4 and 5** on the gauge decal at left reel support arms.



- Reel finger to sickle guard minimum clearance with reel fully lowered is **5/8" (15mm)**, **measured at both ends of the cutterbar for 973 headers. For 974 headers, flex to full frown and see Header Operator's Manual for settings.**
- Recommended reel speed is 10% above ground speed.

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973, 974 Initial Set-up

<u>Average Cereal Crops</u>	<u>Rice</u>		<u>Soybeans</u>	
	<u>Normal Cutting</u>	<u>Tough Cutting</u>	<u>Dry Conditions</u>	<u>Wet Conditions</u>
Sickle- Check daily that guards are aligned. Clearance from hold down to sickle 0.020" (0.5mm)	-	-	-	-
2100 reel Fore/Aft- 4 or 5 on decal Finger Pitch Adjustment- Slot 5 Reel Clearance- 5/8" (15mm) for 973 headers. For 974, flex to full frown and refer to Header Operator's Manual for settings. Speed- +10 % ground speed	5 - -	7 - -	6 Slot 7 ½" (13mm)	6 Slot 7 ½" (13mm)
Draper Speed- Dial position "4". Draper opening- 55.5" (1410 mm) Reduce opening if side drapers are back feeding.	- -	Position 3 or 4 50.6" (1285 mm)	- -	- -
Guard Angle- center link 19-1/4" (490 mm) length (pin to pin). Poly Skids- Optional on 973	- Yes	- Yes	- Yes	Center link fully retracted. Yes
Gauge Wheels (if equipped)- Most cereals require "medium" stubble height setting Note: Gauge wheels should be in storage position for on the ground cutting applications.	Not Applicable	Not Applicable	Storage	Storage
Float- Adjust float to achieve 0" gap at downstop pad. (Refer to 873 Operators Manual)	½" gap	½" gap	½" gap	½" gap

QUICK REFERENCE CARD – JOHN DEERE COMBINES

963 Initial Set-up.	Field Peas		Soybeans		
	Average Cereal Crops	Dry Conditions	Wet Condition	Dry Conditions	Wet Condition
Sickle -Check daily that guards are aligned. Clearance from hold down to sickle 0.020" (0.5mm)	-	-	-	-	-
2000B Reel Fore/ Aft -5 th hole/frt. Cam Arm -Y Range Slot - P Finger Pitch - L or M Reel Clearance - 2" (50 mm) Speed - +10% of ground speed	2 nd from front Y Q M 2" (50mm)	2 nd from front. Y P J 2" (50mm)	2 nd from front X P M 2" (50mm)	2 nd from front. X P M 2" (50mm)	-
Draper Speed - Dial position "4". Draper opening - 53.5 (1360 mm) – STS, CTS, 9500 & 9510 59.5" (1510mm) – 9600, 9610 & 9650	-	-	-	-	-
Guard Angle - 1.0" (25mm) of threads showing on center link. Poly Skids - None	-	-	-	Center link fully retracted. Yes	Yes
Gauge Wheels (if equipped) - Most cereals require "position 2" stubble height setting. Note: Gauge wheels should be in storage position for on the ground cutting applications.	Storage	Storage	Storage	Storage	Storage
Float - Adjust float to achieve 0" gap at downstop pad. (Refer to 873 Operators Manual)	½" gap	½" gap	½" gap	½" gap	½" gap

