D2 Series Draper Header / FM200 Float Module: Quick Card

MacDon

Step 1: Preadjustments

a. Park the combine on a level surface, and ensure the combine feeder house is level. Use the bubble level on the float module.

b. Ensure the combine tires are equally inflated.

c. Adjust the header so the cutterbar is 250 mm (10 in.) off the ground (A).

d. Set the center-link to D on indicator (B).

e. Set the reel fore-aft to 6 on reel arm fore-aft indicator (C).

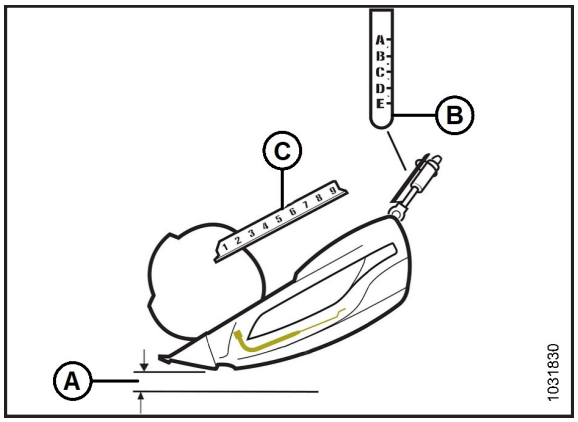

Figure 1: Header – Side View

f. Lower the reel completely, shut down the combine, and remove the key from the combine ignition.

g. Place both header float locks (A) in unlocked (lowered) position (left side float lock shown).

h. If equipped, set stabilizer/transport wheels to the fully raised position.

i. Ensure all accessories are installed. Added weight will affect float performance.

NOTE:

Before setting the header float, read your operator's manual and complete all preadjustment tasks.

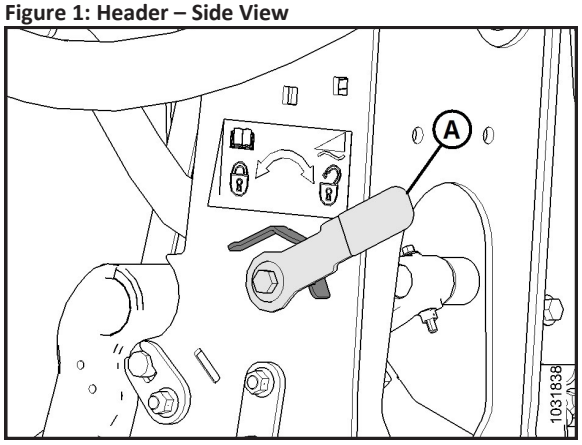

Figure 2: Float Unlocked – Left Side

Step 2: Checking Header Float

a. On the left side of the header, lift float setting lever (A) by hand to remove slack.

b. Fully engage the flat end of multi-tool (B) on the float setting lever. The multi-tool should be angled toward the front of the float module.

c. Pull multi-tool (B) toward the back of the float module until lever (A) is locked into place on last tooth (C) of the lever.

d. Repeat Steps a–c on the opposite side of the float module.

e. Move the header up and down by hand several times to reduce the effect of friction.

f. Remove the multi-tool and repeat on the opposite side.

g. On the left side of the float module, inspect upper scale on float setting indicator (FSI) (B). Arm (A) on the indicator should point to the number 2.

- If arm (A) points to a value higher than 2, the header is too heavy.
- If arm (A) points to a value lower than 2, the header is too light.

NOTE: The larger numbers indicate the float height while operating the header in the field.

NOTE: If necessary, adjust the float values to suit the crop and field conditions. For more information, refer to the header operator's manual.

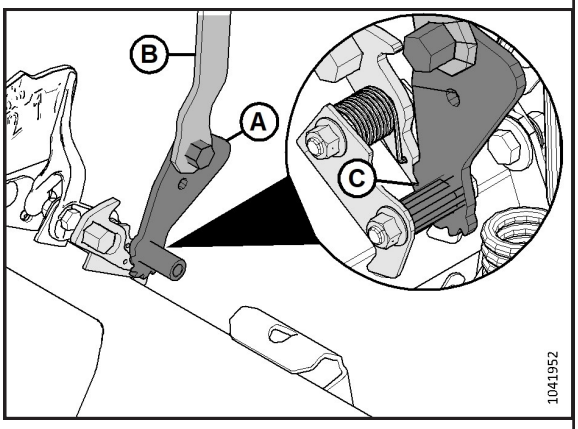

Figure 3: Checking Float – Left Rear View

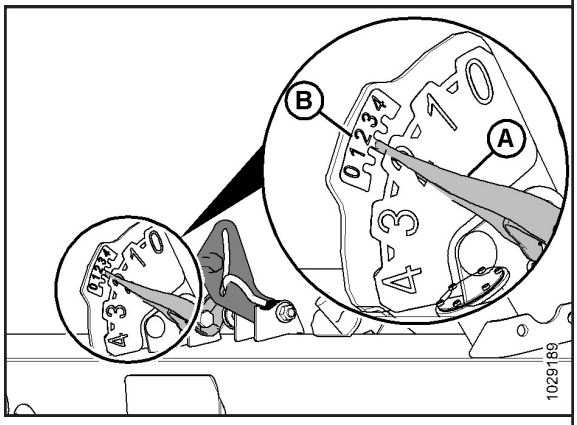

Figure 4: Checking Float – Left Rear View

Step 3: Setting Header Float

a. Loosen bolts (C), and rotate spring locks (B).

- To decrease the header's weight, turn both adjustment bolts (A) equally clockwise (decreasing the value on the FSI).
- To increase the header's weight, turn both adjustment bolts (A) equally counterclockwise (increasing the value on the FSI).

NOTE: Ensure the FSI values are equal on both sides.

b. After adjusting the header weight, lift the end of the header by hand and recheck the indicator reading.

NOTE: If you cannot achieve an adequate header float using all of the available adjustments, an optional heavy duty spring is available. Contact your MacDon Dealer or refer to the parts catalog for more information.

c. Once the float adjustment is complete, lock adjustment bolts (A) with spring locks (B). Ensure that bolt heads (A) are engaged and tighten bolts (C) to secure the spring locks.

WARNING
Release the float setting lever before resuming operation.

d. Fully engage multi-tool (D) onto pawl (E) and push it upward to release the float setting lever.

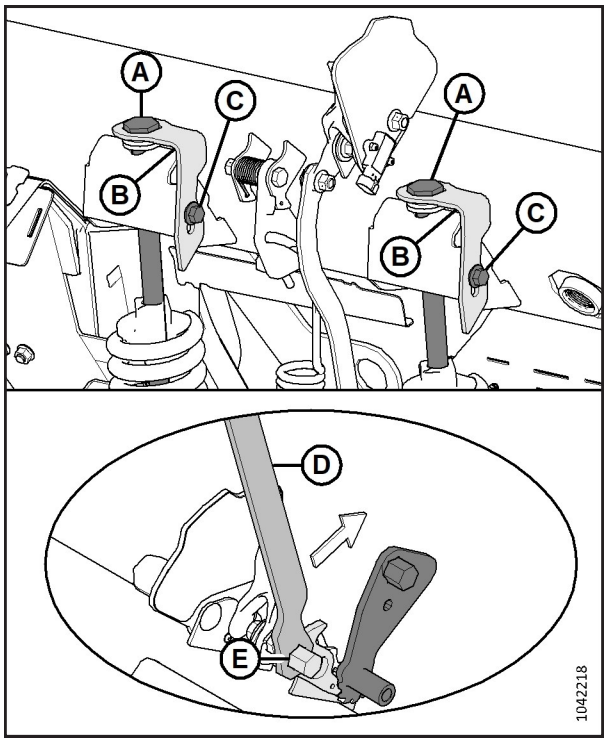

Figure 5: Float Adjustment Bolts and Muli-Tool on Pawl

NOTE: For a list of recommended fluids, lubricants, and capacities, refer to the inside back cover of the D2 Series / FM200 Operator's Manual.

Table 1.1: Break-In Inspections

Time	Item
First 5 Minutes	Check the hydraulic oil level in the reservoir (check the oil level after the first run-up and after the hydraulic hoses have filled with oil).
First 5 Hours	Check for any loose hardware and tighten it to the required torque value. Check the knife drive belt tension (for the first 50 hours, check the tension periodically).
First 10 Hours	Check the auger drive chain tension. Check the knife drive box mounting bolts.
First 50 Hours	Change the oil in the float module gearbox. Change the float module hydraulic oil filter. Change the lubricant in the knife drive box. Check the gearbox chain tension. Check the deck height adjustment.

Table 2.1: Ongoing Maintenance Intervals

Time	Service
Every 10 Hours (or Daily)	Check the hydraulic hoses and lines for leaks. Check the knife sections, guards, and hold-downs. Check the tire pressure. Check the link holder hooks. Lubricate the knife (except in sandy conditions). Grease the feed/center draper roller bearings.
Every 25 Hours	Check the hydraulic oil level. Grease the knife heads (one pump).
Every 50 Hours	Grease the driveline and the driveline universals. Grease the upper cross auger center support and the U-joint.
NOTE: For service beyond 50 hours, refer to the D2 Series / FM200 Operator's Manual.	

Subject to change without notice