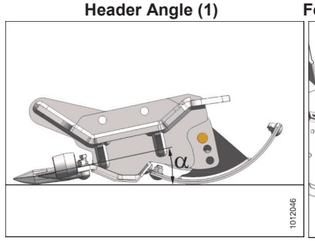
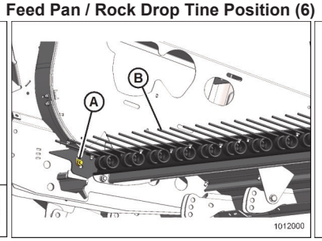
Operating Variables		A40-D, A40-DX Self-Propelled Auger Header
Header Angle (1)	Header angle is the angle between the guards and the ground. It is adjustable to accommodate soil type and/or conditions.	**Hydraulic Link:** Determined by length of hydraulic center-link and displayed as a value from 0 (shallow) to 10 (steep) on the windrower control module (WCM). Adjust with controls in windrower cab. **Mechanical Link:** Determined by length of link (short for shallow, long for steep).
Knife Speed (2)	High: 1850–1950 SPM Medium: 1600–1800 SPM Low: 1400–1600 SPM	• Displayed as mph, km/h, or rpm on the windrower cab display module (CDM) or Harvest Performance Tracker (HPT). Adjust with in-cab controls and on-screen SET KNIFE SPEED prompt. Refer to windrower operator's manual for procedure. • Knife adjustment on low HP windrowers (M100 and M105) is done directly on the pump.
Reel Speed (3)	Operate the reel at suggested percentage above ground speed.	• Displayed as mph, km/h, or rpm on the windrower cab display module (CDM) or harvest performance tracker (HPT). Adjust with controls in windrower cab. • Low HP windrowers (M100 and M105) may not have reel speed display capability, and require an expansion module to display reel speed and knife speed. The expansion module is available as an option. **NOTE:** Reel speed cannot be adjusted on M155 and M155*E4* windrowers.
Auger Speed (4)	• Increase auger speed at high ground speed or in heavy crop conditions. • Decrease auger speed at low ground speed or in light crop conditions. • Refer to auger header operator's manual for detailed adjustment instructions.	Displayed on the cab display module (CDM) as auger rotational speed. Values range from 4.7–9.9 mph. Adjust with in-cab controls and on-screen AUGER SPEED prompt. Refer to windrower operator's manual for procedure. **NOTE:** Auger speed can only be adjusted on M155 and M155*E4* windrowers.
Float (5)	Increase float setting in rough terrain or at high ground speeds to prevent excessive header movement.	For coarse (primary) adjustments, adjust springs on the windrower header lift system. Refer to auger header operator's manual for procedure. For fine (secondary) adjustments, adjust spring tension using cab display module (CDM). Refer to windrower operator's manual for procedure.
Feed Pan / Rock Drop Tine Pos. (6)	• Lower the feed pan in heavy crop to help prevent plugging. • Raise the feed pan in light crop to form an even windrow.	1. Loosen bolt (A) at each end. 2. Move tines and pan (B) as required. 3. Tighten bolts (A).
Roll Gap (7)	Roll gap (C) determines the amount of conditioning and is preset at 6 mm (1/4 in.).	• Increase roll gap to reduce conditioning: Loosen jam nut (D), and turn lower nut (E) clockwise. Tighten jam nut (D). • Reduce roll gap to increase conditioning: Loosen jam nut (D) and turn lower nut (E) counterclockwise. Tighten jam nut (D).

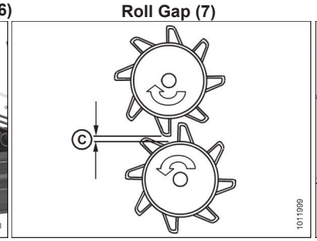
Header Angle (1)



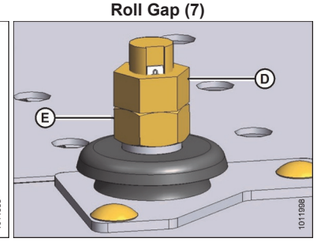
Feed Pan / Rock Drop Tine Position (6)



Roll Gap (7)



Roll Gap (7)



NOTE: THESE SETTINGS ARE INTENDED AS A STARTING POINT. ADJUST TO CROP AND FIELD CONDITIONS.

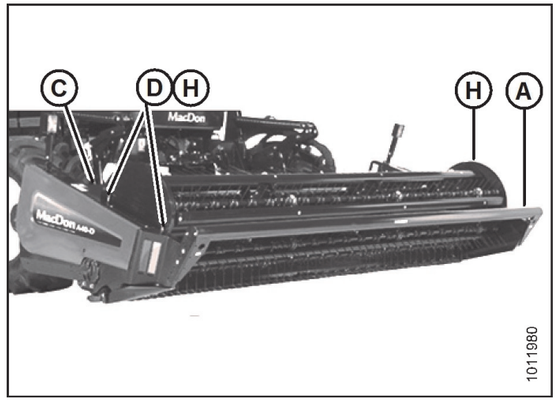
Field Conditions				Operating Variables						
Crop Type	Crop Condition (tons per acre)	Terrain	Stubble Height mm (in.)	Header Angle (1)	Knife Speed (2) (spm)	Reel Speed (3) (rpm)	Auger Speed (4) (rpm)	Float (5)	Feed Pan Position (6)	Roll Gap (7) mm (in.)
Alfalfa	> 3	Smooth	0	Steep	1600–1800	73–77	High	Normal	Lower slot	16 (5/8)
		Rocky		Shallow				Light		
	2–3	Smooth		Steep		70–75	Normal	Normal	Center slot	13 (1/2)
		Rocky		Shallow				Light		
	< 2	Smooth		Steep		65–70	Low	Normal/heavy	Upper slot	10 (3/8)
		Rocky		Shallow				Light		
	Lodged	Smooth		Steep		73–77	High	Heavy	Variable	See above
		Rocky		Shallow				Light/normal		
Timothy	> 2.5	Smooth	64–76 (2.5–3)	Steep	1850–1950	70–75	Normal/high	Normal	Lower slot	10 (3/8)
		Rocky		Shallow				Light		
	< 2.5	Smooth		Steep		65–70	Low	Normal	Center slot	6 (1/4)
		Rocky		Shallow				Light		
	Lodged	Smooth		Steep		70–75	Normal/high	Heavy	Variable	See above
		Rocky		Shallow				Light/normal		
Sudan/Tall Crop	> 3	Smooth	152 (6)	Steep	1700–1850	70–75	High	Normal	Lower slot	19 (3/4)
		Rocky		Shallow				Light		
	< 3	Smooth		Steep		65–70	Low	Normal	Center slot	16 (5/8)
		Rocky		Shallow				Light		
	Lodged	Smooth		Steep		70–75	Normal/high	Heavy	Variable	See above
		Rocky		Shallow				Light/normal		
Triticale (winter forage)	> 10	Smooth	0	Steep	1600–1800	70–75	High	Normal	Lower slot	25 (1)
		Rocky		Shallow				Light		
	< 10	Smooth		Steep		60–65	Normal/high	Normal/heavy	Center slot	25 (1)
		Rocky		Medium				Light		
	Lodged	Smooth		Steep		70–75	Normal/high	Heavy	Variable	See above
		Rocky		Medium				Light/normal		
Wild/Grass Hay	> 3.5	Smooth	0	Steep	1850–1950	73–77	High	Normal	Lower slot	10 (3/8)
		Rocky		Shallow				Light		
	2–3	Smooth		Steep		70–75	Normal	Normal	Center slot	6 (1/4)
		Rocky		Shallow				Light		
	< 2	Smooth		Steep		65–70	Low/normal	Normal/heavy	Upper slot	6 (1/4)
		Rocky		Medium				Light/normal		
	Lodged	Smooth		Steep		73–77	Normal/high	Heavy	Variable	See above
		Rocky		Medium				Light/normal		

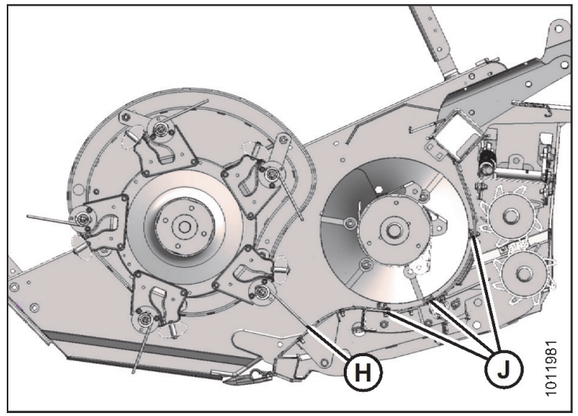
NOTE: REFER TO THE AUGER HEADER OPERATOR'S MANUAL FOR DETAILED ADJUSTMENT INSTRUCTIONS.

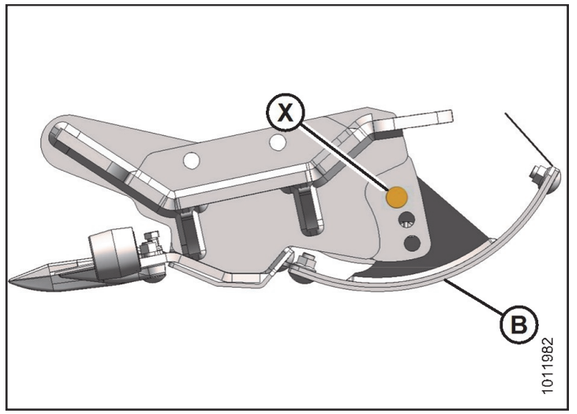
A40-D, A40-DX SP Windrower Auger Header Quick Card – MD #214370 Rev. A
Supplement to A40-D, A40-DX SP Auger Header Operator's Manual

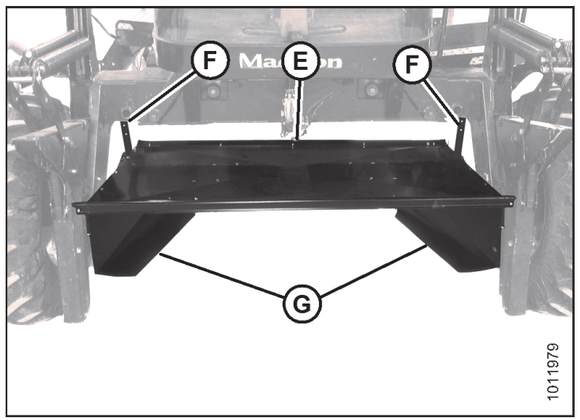
MacDon

A	**Lean Bar**	• Height should be set at 2/3 (two-thirds) of the crop height. • In crops over 1.52 m (5 ft.), an optional Tall Crop Divider kit (MD #B4690) is available that includes lean bar extensions to raise the lean bar.
B	**Skid Shoe**	• Cutting height is controlled with a combination of skid shoes or gauge rollers, and header angle adjustment—**NOT** with the header lift cylinders. • Adjust as follows: 1. Remove clevis pin (X). 2. Adjust skid shoe (B). 3. Install clevis pin (X).
C	**Center Baffle**	• Use full raised position for narrower windrows. • Lower one or two notches to prevent crop from being projected over forming shield. • Use fully lowered position for maximum swath width.
D	**Reel Cam**	• The reel cam at the right end of the reel controls the aggressiveness of the reel tines which affect the crop flow into the auger. • To change reel tine aggressiveness, loosen bolts securing cam disc to end sheet. Tighten bolts after adjusting cam disc. Refer to the header operator's manual. • To increase tine aggressiveness, turn front adjuster bolt to lower the front of cam disc and turn the rear adjuster bolt to raise the rear of cam disc. Turn bolts by equal amounts. • To decrease tine aggressiveness, turn front adjuster bolt to raise the front of cam disc and turn rear adjuster bolt to lower rear of cam disc. Turn bolts by equal amounts.
E	**Rear Baffle**	• Raise or lower baffle to adjust the angle. **NOTE:** Rear baffle has handles that must be loosened to move the baffle. • Lower positions create fluffy windrows. If baffle is too low, an uneven windrow may result. • When using the DWA, position rear baffle in highest position. If necessary, lower the left side to direct crop onto the DWA belt.
F	**Forming Shield Adjustment**	• Remove hairpin, and lower or raise shield with straps to the desired height. Install hairpin. • Generally, the fourth hole from the top is a good starting position. • Lower the shield if crop is not hitting the top cover. • Use highest position with the DWA (Remove center deflectors to improve crop flow to DWA).
G	**Forming Shield Deflectors**	• Adjust both side deflectors to the same hole position to ensure windrow placement is centered with respect to carrier/drive wheels.
H	**Reel Position**	• Maintain 2–10 mm (3/32–13/32 in.) clearance between reel tines and pan. • Reel can be moved forward to improve crop lifting action in lodged crops, or rearward for lighter crop conditions.
J	**Auger to Stripper Bar Clearance**	• Maintain proper clearance between auger flighting and stripper bars. Refer to the header operator's manual.









A40-D, A40-DX SP Windrower Auger Header Quick Card – MD #214370 Rev. A
Supplement to A40-D, A40-DX SP Auger Header Operator's Manual

MacDon