2020 Flexible Cutter Bar Grain Head

Operator's Manual

87045163

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SECTION 2
OPERATION

After the head has been properly assembled and all adjustments, maintenance, and lubrication items have been performed, the head is ready for field operation.

The controls for head drive, head height, reel position, and reel speed are all located on the combine operator's platform. Refer to the combine operator's manual for control location and operation.

Auger and reel adjustments should be made as detailed in this manual to suit crop conditions.

Regardless of crop conditions, field loss can be kept to a minimum by good operating habits and careful adjustments. Be sure that the head is adjusted properly to handle the crop and conditions before making final adjustments to the combine. A poorly adjusted head will lead to poor combine performance and increased crop loss.

Correct ground speed is primarily determined by crop condition, yield, and the operator's knowledge and experience.

If harvest problems are encountered that cannot be solved by normal adjustments, a variety of optional equipment is available to help overcome these problems.

For a complete list of options, see the "Optional Equipment" section of this manual.

When operating with the long divider, always raise the head off the ground to turn a corner. This will protect the long dividers from damage.

⚠ CAUTION ⚠

Some pictures in this manual may show protective shielding removed to better illustrate a particular feature or adjustment. Be certain, however, to close or replace all shielding before operating the machine.

IMPORTANT: *The cutter bar should not be operated in the locked position when operating the head on the ground.*

IMPORTANT: *Do not operate with the cutter bar unlocked above the head height control operating range.*

IMPORTANT: *Before operating the combine in reverse, always raise the head so that the protection plates clear the ground. Damage to the head may occur if this is not done.*

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Lubricant	Type and Description	Part Number	Container Size
Engine Oil	AKCELA NO. 1 SSL OIL SAE 0W-40	B505693	2.5G / 9.46L
	AKCELA NO. 1 OIL SAE 10W	407357R4	5G / 18.93L
	AKCELA NO. 1 OIL SAE 10W-30	104104A1	1QT / .946L
		139033A1	1G / 3.785L
		372253A1	2.5G / 9.46L
		104106A1	5G / 18.93L
	AKCELA NO. 1 OIL SAE 30	407352R4	1QT / .946L
		139032A1	1G / 3.785L
		143947A1	2.5G / 9.46L
		407356R4	5G / 18.93L
	AKCELA NO. 1 OIL SAE 15W-40	407410R2	1QT / .946L
		139034A1	1G / 3.785L
		143949A1	2.5G / 9.46L
		407414R2	5G / 18.93L
	AKCELA NO. 1 OIL SAE 20W-50	332390A1	5G / 18.93L
	AKCELA AUTO SUPREME SAE 5W-30	372255A1	1QT / .946L
	AKCELA AUTO SUPREME SAE 10W-30	B500401	1QT / .946L
	AKCELA LOW ASH OIL SAE 10W	407345R3	5G / 18.93L
	AKCELA LOW ASH OIL SAE 30	407340R3	1QT / .946L
		139037A1	1G / 3.785L
		407344R3	5G / 18.93L
Transmission Oil	AKCELA HY-TRAN ULTRA	139029A2	1G / 3.785L
		143945A2	2.5G / 9.46L
		372705R7	5G / 18.93L
	AKCELA HY-TRAN ULTRA SSL	B505697	2.5G / 9.46L
	AKCELA TSM BIO	B505699	2.5G / 9.46L
Hydraulic Oil	AKCELA AW46 HYD FLUID	116799A1	5G / 18.93L
	AKCELA AW68 HYD FLUID	B505690	5G / 18.93L
	AKCELA AW100 HYD FLUID	339852A1	5G / 18.93L
	AKCELA HYDRAULIC EXCAVATOR FLUID	B17639	5G / 18.93L
	AKCELA TCH FLUID	139030A1	1G / 3.785L
		B53977	5G / 18.93L
ATF Oil	TRANS. XHD	282371A1	1QT / .946L
		310233A1	2.5G / 9.46L
Gear Oil	AKCELA 135H EP GEAR LUBE SAE 80W-90	139039A1	1G / 3.785L
		139801A1	5G / 18.93L
		246666A1	16G / 60.6L
	AKCELA 135H EP GEAR LUBE SAE 85W-140	139041A1	1G / 3.785L
		407364R2	5G / 18.93L
		407538R2	16G / 60.6L
	AKCELA TRANSAXLE FLUID	B17632	5G / 18.93L
	AKCELA GEAR LUBE SSL	B505707	1QT / .946L
Grease	AKCELA 251H EP MULTI-PURPOSE GREASE	132096A1	TUBE - 14 OZ.
	AKCELA PREMIUM GREASE EP-2	B505708	TUBE - 14 OZ.
	AKCELA EP-0 GREASE	B505226	3.35 OZ
	AKCELA CORN HEAD GREASE	B95920	TUBE - 14 OZ.
	AKCELA MOLY GREASE	132095A1	TUBE - 14 OZ.
	AKCELA SSL SYNTHETIC GREASE	B505709	TUBE - 14 OZ.
	AKCELA HTO ADDITIVE	B17508	1QT / .946L
	AKCELA HTO PREMIX	298053A1	1G / 3.785L
	AKCELA LIMITED SLIP ADDITIVE	B91246	16 OZ
	AKCELA AXLE OIL ADDITIVE	402982A1	16 OZ
Brake Oil	AKCELA CRAWLER BRAKE OIL	B91244	1QT / .946L
Special Lubricants	AKCELA AG LUBRICANT	156576C91	1QT / .946L
	AKCELA DURAFIT SPINDLE GREASE	B500418	35 LB. / 15.9L
	AKCELA COTTON PICKER BAR LUBE	407515R1	35 LB. / 15.9L
	AKCELA HI-SPEED SPINDLE CLEANER	B91241V	5G / 18.93L

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MAINTENANCE SCHEDULE

Under normal operating conditions, follow this maintenance schedule. Under extreme conditions, more frequent servicing should be performed.

SERVICES TO BE PERFORMED	MAXIMUM SERVICE INTERVALS (HOURS OF OPERATION)				
	5 hrs.	10 hrs. or daily	50 hrs. or weekly	100 hrs. or every other week	Seasonally
Check reel tines for straightness and damage		X			
Check knife sections and guards		X			
Check auger fingers for damage or wear		X			
Remove material accumulation		X			
Perform 10-hour lubrication service		X			
Check belt alignment and wear			X		
Check belt and chain tensions			X		
Check chain and sprocket alignment and wear			X		
Check wobble box oil level			X		
Perform 50-hour lubrication service			X		
Check PTO slip clutch adjustment					X
Check wobble box hardware for tightness				X	
Check wiring harness wear or damage				X	
Perform 100-hour lubrication service				X	
Inspect and tighten hardware	X*				X
Change wobble box oil	X*				X

*Initial break-in period.

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