SERVICE MANUAL

H7230 / H7330

Discbine® Mower-Conditioner

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Specifications

Roll conditioner units only

Overall width	
Standard tongue units and swivel tongue units with drawbar hitch	
Transport position	**3429 mm (11 ft 3 in)**
Field position	**4877 mm (16 ft 0 in)**
Swivel tongue units with two-point hitch	
Transport position	**3429 mm (11 ft 3 in)**
Field position	**5360 mm (17 ft 7 in)**
Overall length	
Standard tongue units	
Transport position	**5131 mm (16 ft 10 in)**
Field position	**4750 mm (15 ft 7 in)**
Swivel tongue units with drawbar hitch	
Transport position	**5715 mm (18 ft 9 in)**
Field position	**5334 mm (17 ft 6 in)**
Swivel tongue units with two-point hitch	
Transport position	**5740 mm (18 ft 10 in)**
Field position	**5360 mm (17 ft 7 in)**
Height	
Transport position	**1600 mm (5 ft 3 in)**
Cutting position	**1346 mm (4 ft 5 in)**
Ground clearance (transport)	**457 mm (18 in)**
Wheel tread width	**2643 mm (8 ft 8 in)**
Weight	
Standard tongue units	**1864 kg (4100 lb)**
Swivel tongue units	**1928 kg (4250 lb)**
Driveline	
Tractor power and hydraulic requirement	**60 kW (80 Hp)** Minimum with two remote circuits with minimum of **10342 kPa (1500 psi)** relief pressure.
Input speed	**540 RPM** or **1000 RPM** Standard tongue.
	540 RPM Only for swivel tongue.
Drive protection	Main drive line - slip clutch with overrunning clutch, conditioner roll drive - V-belt with spring loaded idler.
Swivel hitch gearbox capacities	Upper swivel gearbox: **650 ml (22 US fl oz)** Lower swivel gearbox: **1800 ml (61 US fl oz)**
Header	
Cutting width	**3160 mm (10 ft 4 in)**
Flotation	Vertical and radial.
Windrow width	**914 - 2134 mm (36 - 84 in)**
Header lift mechanism	Hydraulic (master-slave system).

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Attachment/Header cutting mechanism - Troubleshooting for Flail Units

Problem	Possible Cause	Correction
Leaves damaged or stripped off stems.	Over conditioning.	Raise rotor hood. Slow speed rotor. Smooth liner.
Crop stems not scuffed.	Under conditioning.	Lower rotor hood or install dimpled hood liner and high speed rotor.
Leaving ragged or long stubble.	Ground speed too fast.	Reduce the ground speed.
	Dull, bent, or broken knives.	Turn over or replace the knives.
	Knives installed on wrong discs.	Install knives on correct discs.
	PTO speed too slow.	Maintain RPM on the tractor PTO. (Do not overspeed.)
	Cutting too high.	Remove high stubble kit, if installed. Increase header tilt.
	Header flotation too light.	Adjust flotation springs to increase header flotation weight to reduce header bouncing on uneven ground.
Excessive breakage of the knives.	Cutting too low in stony conditions.	Raise the cutting height with header tilt. Install high stubble kit.
	Header flotation too heavy for stony fields.	Adjust the flotation springs to float the header with **45.4 kg (100 lb)** force, per side.
	Ground speed too high in stony conditions.	Reduce ground speed.
Not cutting short enough in down material.	Ground speed too fast.	Reduce ground speed.
	Broken, bent, or dull knives.	Replace the knives or turn over the knives.
	Cutting height too high.	Lower the cutting height by tilting the header.
	Tractor PTO speed too slow.	Maintain tractor PTO RPM. (Do not overspeed.)
Discs out of time or jump time occasionally.	Impact with rock.	Remove top cap and inspect for damage. Replace top cap assembly if necessary.
Strip of run-down, uncut material.	Ground speed too fast.	Use slower ground speed.
	Crowding of the uncut material.	Do not crowd the uncut material.
	Missing or dull knives.	Replace or turn over the knives.
	Material buildup on cutter bar.	Clean off cutter bar. Tilt cutter bar back towards horizontal to reduce material buildup.
Forming poor or bunchy windrow.	Tractor PTO speed too slow.	Maintain RPM on the tractor PTO. (Do not overspeed.)
	Incorrect swath gate adjustment.	Adjust the swath gate to even discharge flow.
	Incorrect windrow shield adjustment.	Adjust the windrow shields.
Pulling material out of the ground when cutting back swath or tall material is leaning into the machine. Excessive power requirements.	Ground speed too slow.	Use faster ground speed.
Material being discharged out of the left side of the machine.	Cutter bar not taking a full cut; #1 disc not running in standing crop.	Shift unit right into standing crop to take full cut.
	Inner left side curtain worn or damaged.	Replace inner left side curtain.
Soil buildup on front of cutter bar.	Very wet crop/soil conditions.	Adjust flotation springs to reduce header flotation weight.
		Raise the cutting height with header tilt.
		Install high stubble kit.
Loose knife hardware.	Impact with rock.	Inspect for damage, retighten hardware.

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