

Changes/Improvements D1 to D2 for Combine



ITEM	D2	D1	BENEFIT
New Frame	All-new frame, from the ground up Super structured five sided/back tube Accommodates deeper draper deck, 127 cm (50") Aluminum backsheets	Frame has been in production for over 20 years 107 cm (42") decks vs 127 cm (50"), 107 cm (42") deep side drapers	New design is stronger, more durable Deeper deck provides up to 20% more capacity over the D1 Better visibility from the cab of drapers, reel, and cutterbar Allows for new 12.5 m (41') header size. Less weight with aluminum components
Drapers	127 cm (50") deep draper deck	107 cm (42") deep draper deck	Increased feeding capacity (up to 20% over the D1) Improved connector slat system creating less stress on draper connectors
Cutterbar	C-shaped in a new two-piece design External draper deck seal	C-shaped, original one-piece design. Draper deck seal was adjusted between drapers inside rear of cutterbar	Minimal welding for less distortion A shorter distance from knife to draper The new design allows for removable draper deck seal, making it easier to service
Reel	Aluminum endshields and sectors on all reels CleanSweep Crop Keeper System including: • angled reel fingers and tines at reel ends • reel endshield crop paddles and deflectors • inner endshield crop deflector fingers Nominal 10 cm (4") finger spacing Reel fore/aft position sensor along with reel height sensor Center reel arm, single brace New reel drive chain cover and tensioning mechanism Reel fore/aft positioning adjustment - standard feature - ShatterGuard Reel Positioning	Reel height sensor Difficult process to tension chain, with multiple screws to remove cover, often required 2 people.	Less weight with aluminum components Improves dividing, cutterbar cleaning, putting more crop, more smoothly onto the drapers. Improves operator experience keeping crop on the drapers Improved serviceability - easy to access (quick latch cover) and easy to perform (ratcheting tensioner) Standard feature on all headers, no extra kits required Improved performance - easy one tool adjustment with the Set-it-Right multi-tool
Knife Drive	Improved Knife Drive Hydraulic direct drive Larger output shaft Flywheel	Belt driven knife	Improved Performance Higher speeds Smooth operation

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Knife guards	<p>New design ClearCut™ Pointed Knife Guards</p> <ul style="list-style-type: none"> • new geometry (longer, angled) <p>New design ClearCut™ PlugFree Knife Guards</p> <ul style="list-style-type: none"> • lower guard tip extends past the sickle section 		<p>Larger effective cutting surface area More efficient cutting - clean cut at higher speeds in tougher conditions</p> <p>Improved performance in demanding “in the dirt conditions” Offering the sickle protection in treacherous harvesting conditions</p>
Knife sections	<p>New design ClearCut™ Knife Sections</p> <ul style="list-style-type: none"> • new geometry (longer, pointier) • 25% more cutting surface <p>New sickle section hardware</p>		<p>Larger effective cutting surface area (25% more). More efficient cutting - clean cut at higher speeds in tougher conditions</p> <p>Fitted bolts make in-field knife section replacement quick and easy</p>
Multi-Tool	<p>The NEW Set-It-Right Multi-Tool Stored in LH end panel - Used for:</p> <ul style="list-style-type: none"> • Checking float settings • Setting the ShatterGuard reel positioning • Adjusting the reel finger position (cam adjustment) • Reel chain tensioning • Installation and removal of end divider cones 	Checking float only	<p>The Set-It-Right Multi-Tool allows the operator to make several adjustments and settings</p> <p>Stores on the header</p> <p>No need for extra tools for common adjustments</p>
Transport	<p>EasyMove™ Transport* Performance Option</p> <p>*Always follow local traffic laws and regulations</p>	Slow Speed Transport Performance Option	<p>Brand new design</p> <p>Quicker, lighter, and more intuitive to deploy</p> <p>Easier to see wheel height locations</p> <p>Increased tire life from new design</p> <p>Integrated lights, sleeker look</p> <p>Hitch is self-contained on the header</p> <p>Easier dealer install</p>
Upper Cross Auger	<p>Full length on all sizes of headers</p> <p>Motor located at the end of the auger inside the endshield of the header</p> <p>Can order pre-plumbed for UCA from factory.</p>	Was not full length on 13.7 m (45')	<p>Improved performance</p> <p>Motor location allows the flighting to reach all the way to the header ends.</p>
Vertical Knife	<p>VertiBlade™ Vertical Knife Performance Option</p>	Only OEM options available	<p>Seamless MacDon designed option</p> <p>Hooks on and is ready to go, no additional hoses with the Quick Latch End Divider System</p> <p>Motor is mounted low and on the header reducing attachment weight and the awkwardness of handling</p>
Operator Controls	<p>Integrated combine controls</p>	Limited integration	<p>Uses existing OEM combine controls for header functions*</p> <p>*Availability subject to combine model</p>

ITEM	FM200	FM100	BENEFIT
Redesigned Frame	Deeper feed draper to accommodate 127 cm (50") side drapers Larger oil reservoir – increased capacity 95 liters (25 US gallons) – single grade trans-hydraulic oil	107 cm (42") deep deck	Improved feeding performance and increased capacity
Hydraulics	New triple pump system. Integrated pump and manifold.		New filter location, easy to get to and less messy
Header Drive (Gearboxes)	Header Drive - main gearbox Header Drive - completion gearbox	1 gear box	Improved performance Better matched to combine Simpler conversions
Feed auger	Solid fingers New finger guides Remote grease lines (for feed auger pivot bushings)	Hollow fingers Difficult to access grease points	Improved performance and durability Better wear resistance of guides Ease of service



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