RD163
RD193
RD163 Specialty
Disc Header

OPERATOR'S MANUAL

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5 - WORKING OPERATIONS

GENERAL INFORMATION

Before operating check

⚠WARNING

Cutting hazard!
Hazard to bystanders!
Before startup and during operation, stand clear of shielded cutting knives at the front and sides of the header. Always make sure that bystanders and domestic animals stand clear of these areas.
Failure to comply could result in death or serious injury.

W1487A

⚠WARNING

Flying objects! Machines with rotary discs can fling foreign objects toward the operator.
Keep all skirts and shields in place.
Failure to comply could result in death or serious injury.

W0024A

The disc header ground speed capabilities vary depending on field terrain and crop conditions. Generally, a ground speed of **6 – 16 km/h** (**4 – 10 mph**) is satisfactory for many crop and field conditions. Slower speeds may be necessary depending on crop conditions and terrain. In light, easy to cut crops and smooth fields, higher speeds are possible.

NOTICE: *If the machine vibrates, STOP OPERATION IMMEDIATELY. Determine and correct the cause of the vibration before continuing operation. FAILURE TO STOP OPERATION IMMEDIATELY WILL CAUSE SERIOUS DAMAGE TO THE MACHINE.*

The disc header is intended for use in difficult cutting conditions. The knife speed is approximately **291 km/h** (**181 mph**) @ **2500 RPM** disc speed, and relies on plant stem integrity and strength to cut. The cutterbar operates on an impact cutting principle.

Engage the header drive switch before the unit is moved up to the standing material. Be sure the header is running at the appropriate RPM before starting to cut. The header speed is adjustable from the windrower cab.

Run the side of the header close to the edge of the standing crop for maximum cutting efficiency. If less than a full cut is taken, it is normal to see recut short material blown forward under the skirting alongside the standing crop.

NOTE: *Maintain header speed when crossing previously cut windrows, even if the header is fully raised. Failure to do so may cause crop wrappage on the cutterbar and conditioner roll blockages.*

Turbulence from the cutterbar could cause crop blow-down in light or thin crops, resulting in uncut strips or streaks. In light or thin crops, cut closer to the ground or reduce the cutterbar speed to reduce the occurrence of uncut crop or streaks, however do not lower the cutterbar in stony or rocky fields.

NOTICE: *Take extra precautions to prevent accumulation of baler twine or wire in fields to be cut with the disc header. Twine and wire may wrap beneath the discs and overheat the disc bearings and/or damage shaft seals causing oil loss and possible module failure.*

When cutting in bedded or corrugated hay fields, position the unit with the windrower tires on top of the ridges, and not in the corrugations, to prevent cutterbar blockages and lack of header flotation. The cutterbar may also accumulate dirt and debris between the stone guards when operating in newly planted fields with soft, loose soil. Cutterbar blockages may cause streaking to occur; in both circumstances, tilt the cutterbar back to **2°** (from the horizontal) and lighten header flotation to reduce blockages in these conditions. Clean the cutterbar off frequently to avoid unnecessary knife and disc wear. In severe conditions, install the high stubble kit to increase the cutting height.

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6 - MAINTENANCE

GENERAL INFORMATION

General maintenance information

Adequate lubrication and maintenance on a regular schedule is vital to maintaining your equipment.

The use of proper fuels, oils, grease and filters, as well as keeping the systems clean, will also extend machine and component life.

To ensure long service and efficient operation, follow the lubrication and maintenance schedules outlined in this manual.

- See "Specification – Consumables and capacities" (**6-14**) for the proper lubricants to use with this machine.
- Read and understand the service areas and service time intervals as shown in the "Maintenance chart" (**6-15**).

When you operate the machine under normal conditions, use the service time intervals shown in the maintenance chart, as a guideline for regular service.

- Reduce the service time intervals when you operate the machine in sandy, dusty, or extremely hot operating conditions.

NOTICE: *The oil in all gearboxes should be changed after the first 50 hours of use to remove any contaminants from the break-in process.*

NOTICE: *Always clean the area around dipsticks, fill caps, and check plugs when checking fluid levels. Failure to clean these areas may allow contamination to enter the system. Drain, flush and refill the system anytime you suspect it is contaminated.*

NOTICE: *Always use genuine CASE IH replacement parts, oils and filters to ensure proper operation, filtration of engine and hydraulic systems. See your authorized CASE IH dealer for additional oil quantities.*

NOTICE: *While any company may be able to perform necessary maintenance or repairs on your equipment, CASE IH strongly recommends that you use only authorized CASE IH dealers and products that meet given specifications. Improperly or incorrectly performed maintenance and repair voids the equipment warranty and may affect service intervals..*

Grease fittings

Use a grease gun containing clean, high-grade, multipurpose grease. See "Specification – Consumables and capacities" (**6-14**) for the proper lubricants to use with this machine.

Wipe the dirt from the fittings before greasing.

Pump fresh grease into the fitting to adequately lubricate the component and force out any contamination from the grease passage.

Wipe off the excess grease after lubrication.

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8 - SPECIFICATIONS

Specifications – General – RD163 and RD163 Specialty

Header to windrower compatibility	
Models	WD1904
	WD2104
	WD2304
	WD2504
Tire sizes	18.4 x 26
	16.9 x 28
	21L x 28
	480/80R26
	580/70R26
	600/65R28

Header dimensions	
Ground clearance to skid shoe *	**686 mm (27 in)** min tilt
Overall width **	**5 m (16.3 ft)**

* With 18.4 x 26 tires
** Overall width at ground level – Right-hand belt shield extends past the end of the cutterbar

Header weights	
Shipping – Header with conditioner*	**2314 kg (5100 lb)** [with chevron rubber rolls or flail conditioner]*
Shipping – Header without conditioner	**1923 kg (4240 lb)**
Operating – Header with conditioner*	**2132 kg (4700 lb)** [with chevron rubber rolls or flail conditioner]*
Operating – Header without conditioner	**1686 kg (3717 lb)**

* For weights with steel rolls, add **32 kg (70 lb)**

Header cutterbar	
Cutting width	**4.9 m (16.1 ft)**
Cutting height *	**18 – 89 mm (0.7 – 3.5 in)**
Cutting height with optional hi-stubble shoes	**76 – 159 mm (3.0 – 6.25 in)**
Cutterbar angle range*	**0 – 10°**
Cutterbar type	Modular with individual oil sumps
Cutterbar disc rotation configuration	Five pairs of counter-rotating discs- no co-rotating discs
Number of discs	10
Number of reversible, swing-away knives per disc	2
Disc cutting diameter	**618 mm (24.3 in)**
Disc drive – Type	Bevel gearsets in individually-sealed modules
Disc rotational speed – Maximum	**2500 RPM**
Knife tip speed	**291 km/h (181 mph)**
Shock protection	Frangible splines in the disc drive hub are standard on all non-drive discs

* With 18.4 x 26 tires

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(9)

Description:

⚠ WARNING ⚠

ENTANGLEMENT HAZARD!

Rotating drive belt, sheaves, and idler assembly, are within the area of the surrounding shielding.
Do not reach into the shielded area while the machine is operating.
Failure to comply will result in death or serious injury.

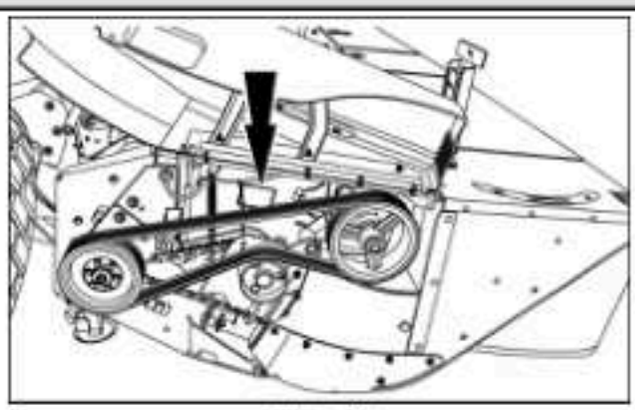
Quantity: 1



84011345_A 24

Part number:
84011345

Location :
Located and mounted on the right-hand side header frame side sheet and behind the conditioner drive belt shield.



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