Early Riser® 1230
Mounted Stacker Planter

OPERATOR'S MANUAL

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5 - MAINTENANCE

GENERAL INFORMATION

Maintenance safety

⚠WARNING

Improper operation or service of this machine can result in an accident.
Read and understand the SAFETY INFORMATION Section before you operate or service the machine.
Failure to comply could result in death or serious injury.

W0264A

Environment

⚠WARNING

Chemical hazard!
When handling fuel, lubricants, and other service chemicals, follow the manufacturer's instructions. Wear Personal Protective Equipment (PPE) as instructed. Do not smoke or use open flame. Collect fluids in proper containers. Obey all local and environmental regulations when disposing of chemicals.
Failure to comply could result in death or serious injury.

W0271A

Before you service this machine and before you dispose of the old fluids and lubricants, always remember the environment. DO NOT put oil or fluids into the ground or into containers that can leak.

Check with your local environmental or recycling center or your Case IH dealer for correct disposal information.

Plastic and resin parts

Avoid using gasoline, kerosene, paint thinner, etc. when cleaning plastic windows, console, instrument cluster, monitor, gauges, etc. Use ONLY water, mild soap and a soft cloth when you clean these parts.

Using gasoline, kerosene, thinners, etc., will cause decolorization, cracking or deformation of the part being cleaned.

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Problem	Possible Cause	Correction
	Power Take-OFF (PTO) speed too slow.	Increase engine RPM to provide correct Power Take-Off (PTO) speed.
Below normal vacuum reading	Flow control valve adjustment has changed.	Readjust flow control valve to restore normal vacuum for planting conditions.
	Hydraulic fluid leakage.	Find and eliminate leak.
	Internal motor leakage.	Replace motor.
Above normal vacuum reading.	Flow control valve adjustment has changed.	Readjust flow control valve to restore normal vacuum.
Vacuum fan goes to maximum RPM.	Vacuum sensor is plugged with dirt.	Clean vacuum sensor. See Vacuum Sensor cleaning in the Maintenance chapter **5-60**.
Marker raises or lowers too fast or slow.	Insufficient flow from tractor.	Tractor hydraulic system needs to be serviced.
	Flow from tractor too high/low.	Adjust flow control higher/lower.
	Low engine RPM.	Keep engine speed constant.
	Air in hydraulic system.	Cycle the planter several times.
	Fan hooked to priority remote.	Connect lift/marker hydraulic lines to priority remote valve and fan hydraulic lines to secondary remote valve.
	Plugged or missing marker valve orifice.	Clean or install as required.
Erratic lift operation.	Low tractor hydraulic fluid level.	Fill with hydraulic fluid to normal operating level.
	Air in the hydraulic system circuit.	Cycle the system several times to remove air.
Marker does not follow ground contour.	Hydraulic lever not in FLOAT position.	Operate with lever in FLOAT position.
	Tractor valve not equipped with FLOAT position.	Use tractor with FLOAT feature.
	Tractor is equipped with double acting check valve.	Replace double acting check valve with alternating check valve.
Marker(s) fail(s) to lower.	Air in hydraulic system.	Bleed system at cylinder.
	Lock pins not removed.	Remove pins.
	Hydraulic coupler(s) not fully engaged.	Connect as required.
	Wiring harness not connected or damaged.	Check all harness connections. Connect, repair or replace as required.
	Tractor harness fuse blown.	Locate problem and replace fuse.
	Display settings not correct.	Refer to Display manual and check settings.
	Pivots not lubricated.	Lubricate pivots.
	Wrong marker lowers.	Swap connectors at solenoid. Marker harnesses are tagged.
	Marker solenoid valve(s) defective.	Repair or replace as required.
Marker leaves excessive furrow or throws too much soil.	Disk angle too steep.	Reduce blade angle.
	Down pressure too high.	Decrease marker spring down pressure.
	Tractor to planter electrical connection faulty.	• Check 9-pin connector between planter and display. • Check connections between Electronic Control Unit (ECU) and planter harness.
	Bad sensors.	Replace as required.
Marker leaves insufficient mark.	Disk blade worn.	Sharpen or replace blade.
	Down pressure too low.	Increase spring down pressure.
	Not enough blade angle.	Increase blade angle.
Marker breaks away without hitting obstacle.	Breakaway pressure set too low.	Adjust marker breakaway pressure.
Marker never breaks away.	Break away pressure set too high.	Adjust marker breakaway pressure.

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7 - SPECIFICATIONS

Planter specifications

8 Row planter

Planter type: 1230 Mounted Stacker planter

- Number of rows: 8
- Row spacing:
  - 8 Row Wide - **965 mm** (**38 in**) and **1016 mm** (**40 in**)

Lift system

- Full mounted: 3-point hitch, CAT III Wide and CAT IV Narrow
- Semi-mounted: Lift assist wheels (optional equipment)

Drive wheels

- Taper roller bearing hubs: 7.60 x 15 Goodyear Sure Grip Traction, 10 ply tire with approximate rolling circumference of **2337 mm** (**92 in**)
- Gauge wheels: **114 mm** (**4.5 in**) x **406 mm** (**16 in**) or **70 mm** (**2.75 in**) x **406 mm** (**16 in**) semi-pneumatic rubber tires.
- Tire inflation pressure: **441 kPa** (**64 psi**)
- Wheel lug bolt torque: **90 - 102 N·m** (**66 - 75 lb ft**)

Transport width with markers

- 8 Row Wide, **965 mm** (**38 in**) Row spacing: **5.33 m** (**17 ft 6 in**)
- 8 Row Wide, **1016 mm** (**40 in**) Row spacing: **5.33 m** (**17 ft 6 in**)

Transport height with markers

- 8 Row Wide, **965 mm** (**38 in**) or **1016 mm** (**40 in**) Row spacing: **3.40 m** (**11 ft 2 in**)

Planter wheel tread (drive wheel center to drive wheel center)

- 8 Row Wide, **965 mm** (**38 in**) Row spacing: **1930 mm** (**76 in**)
- 8 Row Wide, **1016 mm** (**40 in**) Row spacing: **2032 mm** (**80 in**)

Row units: Parallel linkage, individually mounted for maximum flexibility to follow ground contour.
Row unit empty weight (without hoppers): **120 kg** (**265 lb**)

Seed openers: Staggered **356 mm** (**14 in**) diameter double disks with precision bearings with internal and external scrapers.

Covering disks: Adjustable **203 mm** (**8 in**) diameter inverted, spring loaded staggered double disks.

Press wheels: Adjustable, **165 x 305 mm** (**6.5 x 12 in**) center rib, chevron tread, semi-pneumatic rubber tires.

Planter depth: Controlled by equalizer gauge wheel system that equalizes soil pressure on both **102 x 406 mm** (**4 x 16 in**) grooved semi-pneumatic rubber gauge wheel tires.

Planting depth: Adjustable, ASN YCS028600 (**0.0 - 102 mm** (**0.0 - 4 in**)) and BSN YCS028601 (**0 - 89 mm** (**0 - 3.5 in**).

On-row seed hopper and lid: Molded plastic with tethered strap

- Hopper capacity: **0.067 m³** (**1.9 Bu**)
- Hopper/meter assembly weight (empty): **9.1 kg** (**20 lb**)
- Hopper/meter assembly weight (full): **61 kg** (**134 lb**)

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