5500 Grain Drill

Operators Manual and Set-Up Manual

Rac 9-22722

CASE IH

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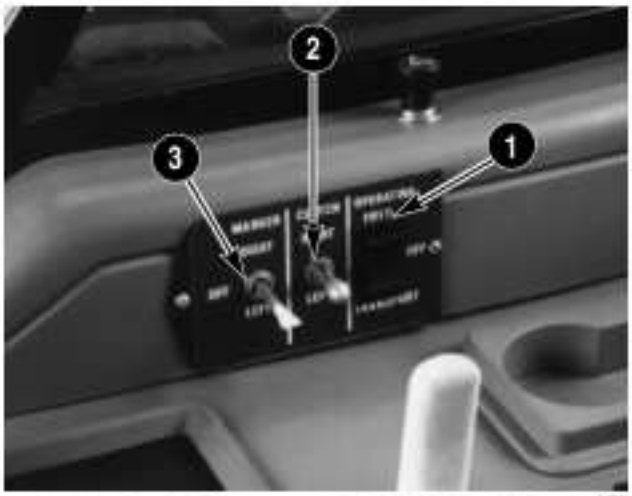
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STANDARD FEATURES AND CONTROLS

Control Panel



6 RF

1. FIELD/TRANSPORT OPERATING SWITCH
2. CLUTCH CONTROL SWITCH
3. MARKER CONTROL SWITCH

The control panel for the electrical harness has up to three switches installed in the panel. The rear switch is for Field/Transport operation. The center switch is for the optional electrical Grain Feed Clutches. The forward switch is for the optional Marker Control.

Field Transport Operating Switch

The **Field/Transport Operating Switch** is a three position toggle switch which operates as follows:

- **FIELD POSITION** - Tractor remote hydraulic controls will raise or lower the lift cylinders for the Grain Drill.
- **OFF POSITION** - Toggle switch is in Center Position.
- **TRANSPORT POSITION** - Tractor remote hydraulic controls will raise or lower the outer wing wheel lift cylinders for the Grain Drill. Separate Tractor remote hydraulic controls will fold or unfold the fold cylinders for the Grain Drill.

Electrical Grain Feed Clutch Control Switch (If Equipped)

The **Electrical Grain Feed Clutch Control Switch (If Equipped)** is a three position toggle switch which operates as follows:

- **UP POSITION** - Only the right side of the Grain Drill will seed.
- **CENTER POSITION** - Both sides of the Grain Drill will seed.
- **DOWN POSITION** - Only the left side of the Grain Drill will seed.

Marker Control Switch (If Equipped)

The **Marker Control Switch** is a three position toggle switch which operates as follows:

- **RIGHT SIDE POSITION** - Tractor remote hydraulic controls will raise or lower the right marker (If equipped).
- **OFF POSITION** - Toggle switch is in Center Position.
- **LEFT SIDE POSITION** - Tractor remote hydraulic controls will raise or lower the left marker (If equipped).

NOTE: *During field operation the markers will raise when the Drill is raised. Lower the Drill before putting the remote valve lever in the FLOAT position to lower the marker.*

NOTE: *See Marker Field Operation in the FIELD OPERATION section of this manual for the operating instructions to fold or unfold the markers.*

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Sowing Rate for Seeds Not Shown in Chart

If the seed to be sown is not shown on the Grain Sowing Chart, or if it deviates from clean seed of average size, quality and standard weight, do the following procedure:

1. Carefully weigh the seed to be sown to determine the weight in pounds per bushel or kilograms per cubic metre.
2. Select an indicator setting from the Grain Sowing Chart for seed of similar size and weight, that will give approximately the quantity desired to be sown per acre or per hectare.
3. Disconnect all the grain tubes from the Row Units on one of the two hoppers and place them in containers in order to collect the test seed.
4. Place sufficient seed in the hopper to complete the test.
5. Use the Tractor hydraulics to raise the Grain Drill. Put a safety stand under each end to support one side of the Grain Drill and raise gauge drive wheel off the ground.
6. Turn the drive wheel until the square grain feed shaft has turned the specified number of revolutions for the appropriate Drill size.

DRILL SIZE	SHAFT REVOLTIONS
48 x 7-1/2	21.4 Revolutions
36 x 10	21.4 Revolutions

7. Collect the test seed from the containers and weigh carefully.
8. Multiply the test seed weight in pounds by 20 to get pounds per acre weight. Multiply the test seed weight in kilograms by 49.4 to get kilograms per hectare.
9. Compare the test result with the Grain Sowing Chart and adjust the indicator setting if necessary.

Seed Additives

Seed treatment can result in restricted seed flow from the hopper. Use of a dry graphite can help improve seed flow. One tablespoon per bushel is recommended. Be sure to mix the material in with the seed. Graphite can also be applied to the bottom of the hopper. Graphite is available from your dealer.

NOTE: *When stopping the Grain Drill for over an hour during sowing of treated seed, it is recommended that before continuing operations to rotate the grain feed shaft with a wrench to fee any jammed feeds.*

Clean the hoppers and tubes completely after seeding is finished, as many of these substances can cause corrosion of the metal.

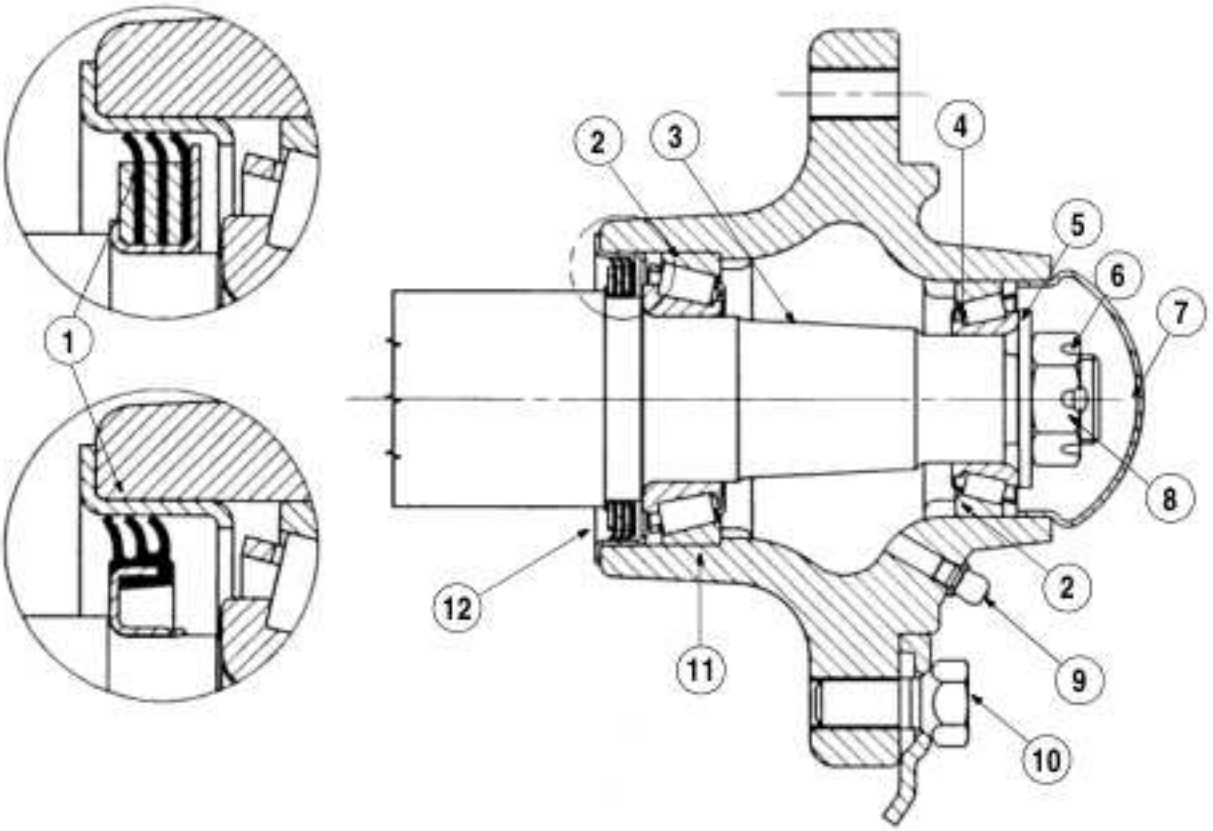
WARNING: *Be Safe: Select the right chemical for the job. Know what chemical you are using. Always read the label and follow the instructions of the manufacturer before opening containers of chemicals. For each use, read the instructions and warnings carefully, even if you feel you know them.* M215A

WARNING: *When using seed that has been dusted with pesticides or when mixing chemicals or inoculants with the seed. Precaution should be taken to keep feeds clean and free during operation.* M216B

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WHEEL BEARINGS

Cart Frame Wheels



1. SLEEVE
2. BEARING CUP
3. SPINDLE
4. OUTER BEARING
5. WASHER
6. NUT
7. CAP
8. COTTER PIN
9. GREASE FITTING
10. WHEEL BOLT
11. INNER BEARING
12. SEAL

Every 50 hours of operation use a pressure lubrication gun and apply enough Case 251H EP or equivalent NGLI Number 2 Multi-Purpose Lithium Grease to flush out the old grease and dirt. The old grease will be flushed out at the seal. The seal design permits this and will not be damaged.

Every 500 hours of operation or once each year, the wheel bearings must be disassembled, cleaned and filled with new grease. Use Case 251H EP.

Service the wheel bearing as follows:

1. Lower the Grain Drill to the ground and use a jack to raise the wheels above the ground. Remove the cap, cotter pin, nut, washer and outer bearing.

2. Remove wheel and hub assemble from the spindle. Remove inner bearing. Clean and inspect for damage.

3. Fill the bearings with Case 251H EP Grease. Work the grease into the wheel bearings until each part of the bearing is completely full of grease. Assemble the bearings, wheel hub, washer and nut.

4. Tighten the spindle nut to a torque of 10 to 15 pound foot (13 to 20 Nm) or until a definite drag is felt when the wheel hub is turned by hand. Loosen the nut until the next slot in the nut is in alignment with the cotter pin hole in the spindle. Install a new cotter pin. Install the cap.

Drive/Wing Lift Wheels

The drive/wing lift wheels are sealed ball bearings and Do NOT require additional lubrication.

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GRAIN SOWING CHART FOR CASE MOUNTED & FOLDING DRILLS

| SPEED SETTING | FEED CUP NOTCH SETTINGS | DRILL SPACING | | INDICATOR SETTING | | |