Flexicoil

# 5000 Air Drill

# Operator's Manual

DR-010V2 1/05

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## FOLDING THE AIR DRILL

**IMPORTANT:** Always fold the air drill with the depth control system raised to the highest position. Failure to raise the air drill to the highest position places unnecessary strain on the center section press wheels.

1. Activate the depth control hydraulics to raise the air drill to the highest position. This raises the center section press wheels so that they just clear the ground and the weight rests on the rear tires.

2. Activate the wing lift hydraulics and lift the wings to the fully upright position. Continue to activate the wing lift hydraulics after the wings have been fully raised until the 3" x 6" transport cylinders at the rear of the air drill are fully extended.

   - This lifts the rear press wheels off the ground to provide enough ground clearance for transport.

3. Manually engage both the long and the short transport safety strut locks.



Transport Safety Strut Locations 202483MI



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## CALCULATING THE MINIMUM TOWING VEHICLE WEIGHT FOR SAFE TRANSPORT

1. Add the weight of all the towed equipment together. If you are transporting a drill which is connected to an air cart, add the two weights together.

**NOTE:** The table below is only an example of towed equipment weights. Refer to the Specifications Section in the Air Cart Operator's Manual for the air cart weight.

**NOTE:** If you are transporting a tow behind air cart, it is preferable to transport with the air cart tanks empty. However, it is realized that this is not always practical.

| TOWED EQUIPMENT | EXAMPLE |
|---|---|
| 230 Bushel AIR CART (Full with wheat @ 48 lb/ft³) | 9,700 kg (21,380 lb) |
| 57' Air Drill, (7.2" Spacing) 550 lb trips, with rubber press wheels | 13,800 kg (30,420 lb) |
| TOTAL COMBINED WEIGHT | 23,500 kg (51,800 lb) |

Estimated Towed Equipment Weights

2. Divide the total combined weight of the towed equipment by **1.5** to determine the minimum towing vehicle weight required for safe transport.

EXAMPLE: $\frac{23,500 \text{ kg } (51,800 \text{ lb})}{1.5}$ = 15,670 kg (34,530 lb) = minimum towing vehicle weight required for safe transport

3. Refer to the towing vehicle Operator's Manual to determine if its weight is greater than the minimum vehicle weight required.

**NOTE:** If the towing vehicle's weight is not greater than the minimum vehicle weight required, you must do one of the following:

- Transport the drill and the air cart separately.
- If you are transporting a tow behind air cart, transport with the air cart empty.



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## MAINTENANCE TABLE

Refer to the table below for routine maintenance and lubrication intervals. Copy maintenance table to continue record.

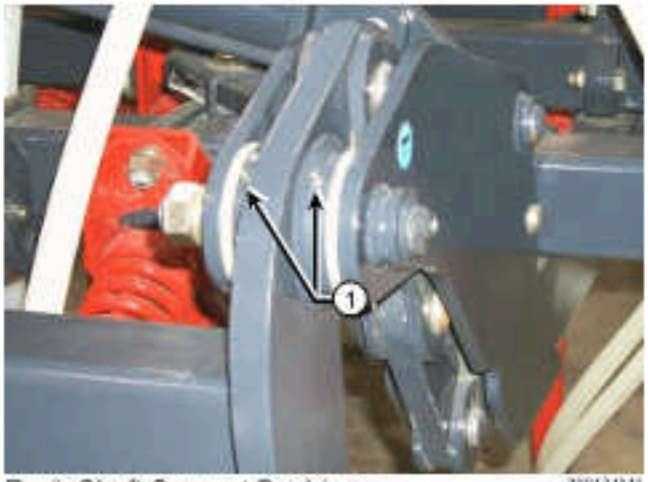
| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DATE** | | | | | | | | | | | | | | |
| **SERVICED BY** | | | | | | | | | | | | | | |
| **8 HOURS (DAILY)** | | | | | | | | | | | | | | |
| CHECK - Wheel Bolts (Visually) | | | | | | | | | | | | | | |
| GREASE - Heavy Caster Walking Beam | | | | | | | | | | | | | | |
| **DATE** | | | | | | | | | | | | | | |
| **SERVICED BY** | | | | | | | | | | | | | | |
| **50 HOURS (WEEKLY)** | | | | | | | | | | | | | | |
| GREASE - Transport Rocker Walking Beam | | | | | | | | | | | | | | |
| GREASE - Center Beam Buttress | | | | | | | | | | | | | | |
| GREASE - Radius Center Block Pivot | | | | | | | | | | | | | | |
| GREASE - Wing Rock Shaft Support Bushing | | | | | | | | | | | | | | |
| GREASE - Front Caster Pivots | | | | | | | | | | | | | | |
| **DATE** | | | | | | | | | | | | | | |
| **SERVICED BY** | | | | | | | | | | | | | | |
| **200 HOURS (SEMI-ANNUALLY)** | | | | | | | | | | | | | | |
| CHECK - Tire Pressure | | | | | | | | | | | | | | |
| GREASE - Wheel Bearings | | | | | | | | | | | | | | |
| CHECK - Wheel Bearings for snugness | | | | | | | | | | | | | | |
| **DATE** | | | | | | | | | | | | | | |
| **SERVICED BY** | | | | | | | | | | | | | | |
| **500 HOURS (YEARLY)** | | | | | | | | | | | | | | |
| CHECK - Machine for Loose Bolts | | | | | | | | | | | | | | |
| GREASE - Trips | | | | | | | | | | | | | | |
| CHECK - Frame for Cracks | | | | | | | | | | | | | | |
| CHECK - Trips and Shanks for Loose Bolts | | | | | | | | | | | | | | |
| TORQUE - Wheel Bolts | | | | | | | | | | | | | | |
| TORQUE - Walking Beam Bolt on Dual Caster | | | | | | | | | | | | | | |



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## WEEKLY MAINTENANCE (Every 50 Hours)

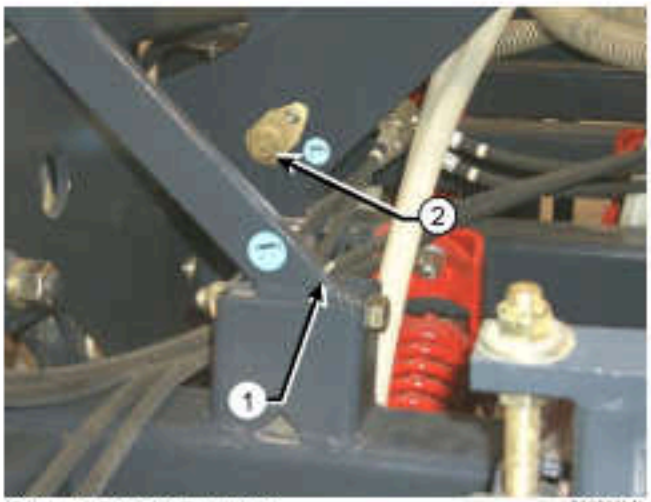
1. Grease the wing rock shaft support bushing (2) - 2 places per each hinged end of the rock shafts.



Rock Shaft Support Bushings 298134M1

2. Grease the center beam buttress (1) - 1 location per buttress.

3. Grease the wing lift lever pivot pin (2).



Center Beam Buttress 298203M1

3. Grease the transport rocker walking beam (1).



Transport Walking Beam 298204M1



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