

8810 PRE-DELIVERY INSPECTION

DATE _____

DEALERSHIP _____

MODEL SIZE _____

SERIAL # _____



Trips	230 # Single	<input type="checkbox"/>
	330 # Single	<input type="checkbox"/>
	330 # Double	<input type="checkbox"/>
	450 # Double	<input type="checkbox"/>
Spacing	8"	<input type="checkbox"/>
	10"	<input type="checkbox"/>
Air Kit	Single Shoot	<input type="checkbox"/>
	Double Shoot	<input type="checkbox"/>
Optical Flow Sensors	N/A	<input type="checkbox"/>
	S/S Single Run	<input type="checkbox"/>
	S/S Full Run	<input type="checkbox"/>
	D/S Single Run	<input type="checkbox"/>
	D/S Full Run	<input type="checkbox"/>
Auto Clutch Switch	N/A	<input type="checkbox"/>
	Installed	<input type="checkbox"/>
Castor Extensions	N/A	<input type="checkbox"/>
	12"	<input type="checkbox"/>
	16"	<input type="checkbox"/>

Aux. Blower	N/A	<input type="checkbox"/>
	Installed	<input type="checkbox"/>
Packers	2" Rubber	<input type="checkbox"/>
	2-1/4" Steel	<input type="checkbox"/>
	3" Rubber	<input type="checkbox"/>
	3-1/2" Steel	<input type="checkbox"/>
	4" Rubber	<input type="checkbox"/>
	4-1/2" Steel	<input type="checkbox"/>
	5-1/2" Pneumatic	<input type="checkbox"/>
	20" Gang Mtd.	<input type="checkbox"/>
	20" Ind. Mtd.	<input type="checkbox"/>
Harrows	3 Bar	<input type="checkbox"/>
	4 Bar	<input type="checkbox"/>
	48" Harrows	<input type="checkbox"/>
Mudscrapers	N/A	<input type="checkbox"/>
	Installed	<input type="checkbox"/>
Granular Kit	N/A	<input type="checkbox"/>
	Installed	<input type="checkbox"/>

Tools Required:	3/4" Torque Wrench 1-5/16" socket 1-1/8" socket 1-1/16" deep socket Tape Measure	1/2" Torque Wrench 3/4" socket 3/4" flat wrench 7/8" deep socket Tire Pressure Guage
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Trip Assemblies

On Unit Checks	
All springs are installed with the hook ends facing the tower. See figure 1	
Eye bolts are tightened to proper specs	
230 lb single spring trip - snug + 3 threads from the bottom	
330 lb single spring trip - snug + 7/8"	
330 lb double spring trip - snug + 2 or 3 threads	
450 lb trip - snug + 3 thr	
All bolts are tight	
All trips are in proper locations. +/- 1/4", randomly check 10 locations to verify	
The torque for the trip pivot bolts (260 ± 10 ft.lbs) have been verified for 5 trips (1-5/16)	
The torque for the Shank Mounting Bolt (minimum of 200 ft.lbs) have been verified	
Correct offset shanks are used and verified on drawing	



Figure 1 Trip Spring Orientation

Suggested Completion Time = 30 min

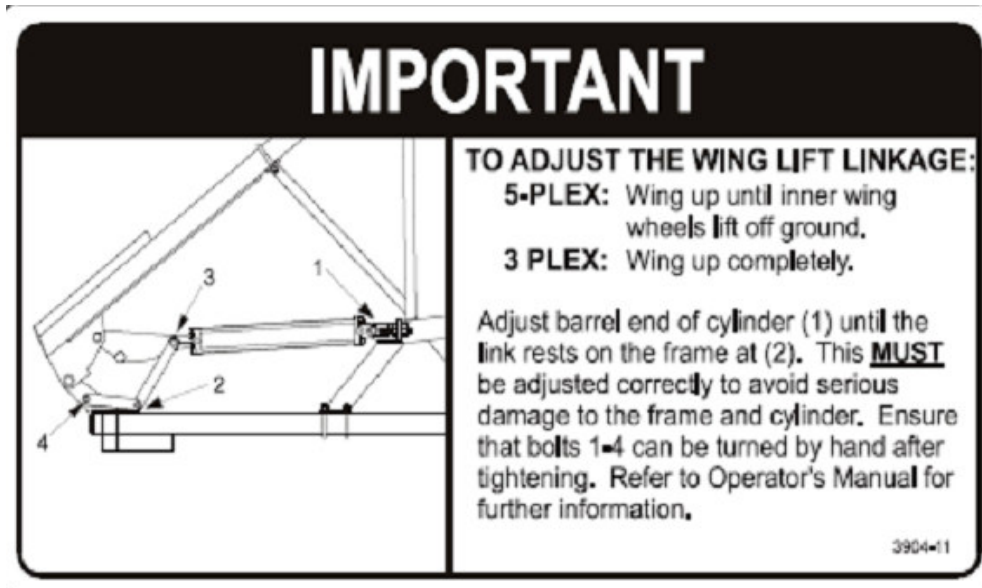
Signature: _____

Actual Time _____

HYDRAULICS	Check Off
Magnetic strip is on the quick shift adjustment properly (#'s to the front)	
All set screws on quick shift pushrod are secure	
Identification tags have been attached to couplers	
Link bolts must turn freely by hand. See Figure 1	
Steel hyd lines are not bent or kinked	
All plastic line hold downs are tight and fastened with a lock nut	
Hyd hose is tied to Winglift Cylinders on tie rod type cylinders	

Cylinder Locations								
Depth Cylinder	8810-24/28		8810-35		8810-48		8810-54	
Right M.F	3301-34		3301-36		3301-10		3301-52	
Right I.W.	3301-33		3301-35		64610		3301-51	
Right O.W	N/A		N/A		64611		3301-10	
Left M.F	3301-35		3301-37		3301-51		3301-13	
Left I.W.	3301-22		3301-34		64612		64610	
Left O.W.	N/A		N/A		64613		64611	
Wing Cylinder								
Right I.W	3300-62		3300-54		3300-54		3300-87	
Right O.W.	N/A		N/A		3300-62		3300-54	
Left I.W.	3300-62		3300-54		3300-54		3300-87	
Left O.W.	N/A		N/A		3300-62		3300-54	

Figure 1



Suggested Completion Time = 10 min

Signature: _____

Actual Time _____

Packers

General (All Packer Styles)	CHECK OFF
Pillow block bolts are tightened to 75 ft lbs., (+10 / -0 ft lbs). <i>See Fig. 2</i>	
Packer wheels line up with shanks	
Nut side of packer gangs not facing one another	

Rubber Capped Packers	CHECK OFF
Rubber is in place and has no "peeled" edges	

Pneumatic Packers	CHECK OFF
Verify (5 random) tires for psi specification (17 ± 3 psi)	
Check for cuts or defects in tires	

Steel Packers	CHECK OFF
Mudscrapers (if applicable) installed at 1/4" to 3/8" gap away from wheel surface	
Ensure mudscrapers are installed straight.	
Verify that mudscraper bolts have been tightened	

Harrows/Packers/Arms	
Quick adjust harrow arms function in all positions	
Harrows sit level and parallel to the frame	
Packer wheels aligned with shanks	
Quick detach harrow brackets detach easily from harrow arms.	
Pins can be turned by hand. Figure 3	
U-bolts are not overtightened and kinking harrow tubing	



Fig. 2 Pillow Block Bolts (Torque to 75 ft-lbs)
(Check 5 randomly)



Figure 3 Packer Mounting Pin

Suggested Completion Time = 15 min

Signature: _____

Actual Time _____

8810 Wheel Torques and Wheel Pressures

Check

Check Wheel Torques: 135 ft. lbs.

8810-24			Check	8810-28		Check
RW Castor	9.5 x 15FI-8ply	42psi		9.5 x 15FI-8ply	42psi	
R MF Castor	9.5 x 15FI-8ply	42psi		9.5 x 15FI-8ply	42psi	
L MF Castor	9.5 x 15FI-8ply	42psi		9.5 x 15FI-8ply	42psi	
LW Castor	9.5 x 15FI-8ply	42psi		9.5 x 15FI-8ply	42psi	
LW Outer Bogie	9.5 x 15FI-8ply	42psi		9.5 x 15FI-8ply	42psi	
LW Inner Bogie	9.5 x 15FI-8ply	42psi		9.5 x 15FI-8ply	42psi	
LO MF Bogie	9.5 x 15FI-8ply	42psi		11 x 15FI-8ply	60psi	
LI MF Bogie	9.5 x 15FI-8ply	42psi		11 x 15FI-8ply	60psi	
RI MF Bogie	9.5 x 15FI-8ply	42psi		11 x 15FI-8ply	60psi	
RO MF Bogie	9.5 x 15FI-8ply	42psi		11 x 15FI-8ply	60psi	
RW Inner Bogie	9.5 x 15FI-8ply	42psi		9.5 x 15FI-8ply	42psi	
RW Outer Bogie	9.5 x 15FI-8ply	42psi		9.5 x 15FI-8ply	42psi	
8810-35			Check			Check
RW Castor	11 x 15FI-8ply	60psi		8810-48		
R MF Castor	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
L MF Castor	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
LW Castor	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
LW Outer Bogie	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
LW Inner Bogie	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
LO MF Bogie	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
LI MF Bogie	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
RI MF Bogie	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
RO MF Bogie	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
RW Inner Bogie	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
RW Outer Bogie	11 x 15FI-8ply	60psi		12.5 x 15FI-12 ply	85psi	
			Check	12.5 x 15FI-12 ply	85psi	
				12.5 x 15FI-12 ply	85psi	
8810-54				12.5 x 15FI-12 ply	85psi	
R OW Castor	11 x 15FI-8ply	60psi		12.5 x 15FI-12 ply	85psi	
R IW Castor	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
R MF Castor	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
L MF Castor	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
L IW Castor	11 x 15FI-8ply	60psi		11 x 15FI-8ply	60psi	
L OW Castor	11 x 15FI-8ply	60psi				
L OW Outer Bogie	11 x 15FI-8ply	60psi				
L OW Inner Bogie	11 x 15FI-8ply	60psi				
L IW Outer Bogie	11 x 15FI-8ply	60psi				
L IW Inner Bogie	11 x 15FI-8ply	60psi				
L MF Outer Bogie	12.5 x 15FI-12 ply	85psi				
L MF Inner Bogie	12.5 x 15FI-12 ply	85psi				
R MF Inner Bogie	12.5 x 15FI-12 ply	85psi				
R MF Outer Bogie	12.5 x 15FI-12 ply	85psi				
R IW Inner Bogie	11 x 15FI-8ply	60psi				
R IW Outer Bogie	11 x 15FI-8ply	60psi				
R OW Inner Bogie	11 x 15FI-8ply	60psi				
R OW Outer Bogie	11 x 15FI-8ply	60psi				

Suggested Completion Time = 15 min

Signature: _____

Actual Time _____

CASTORS & AXLES	CHECK OFF
No excess gap between castor pivot axle wear plates (.060" max) [approx. thickness of a quarter]	
All screw jacks are snug and lock nut is tight.	
Anti turn bolt is seated into castle nut and has washers and lock nut	
All bolts on castor assemblies are tight	
All castors and axles are greased	
Axle/Castor Dustcaps are dent free (max dent is 1/8")	
Axle end caps are tight on the axle shaft tabs	
Safety chain (40500lb) has been properly attached	

Extension Stubs	Check Off
Extension stubs level to frame +/- 1 degree	
Trip sight in line with outside shank	



Figure 4 Castle Nut on Castors

Suggested Completion Time = 10 min

Signature: _____

Actual Time _____

AIR KITS

Primary Air System

CHECK OFF

Ensure that the Quick Coupler can be easily removed by hand	
Over center latches installed correctly, move freely, lock pin fits	
Left side primary manifold feeds shanks not MRB's (if so equipped)	
Approx 2 inches of pre-load on bellows connection for both lines Figure 2	
No Excessive air leaking at primary manifold ports	
Hose clamps are tightened on Black Hose (Primary stands)	

Secondary Air System

CHECK OFF

Quick Inspection Manifolds are seated properly in the manifold head	
Hose clamps are tightened on Black Hose (Secondary stands)	
Less than 12 inch drop in secondary hose routing across frame	
Hoses do not kink on wing fold-up for transport	
All muffler clamps have been tightened evenly	

Tertiary Air System

CHECK OFF

Tertiary hoses are fastened securely in manifold heads	
Tertiary hoses are not touching any steel hydraulic lines.	
No excess uphill run in tertiary hoses (MRB's exception to the rule) Figure 1	
Tertiary hoses have been attached to seedboots with hose clamp.	
Tertiary hoses for M.R.B.s have been hose clamped onto the seedboot	
Tertiary hoses are fully seated in secondary manifold (check 2)	

Granular Kit (Optional)

CHECK OFF

Granular deflectors are in the correct location	
Granular transfer line is level with the frame	
Granular hoses are cut to the correct lengths (10' minimum)	

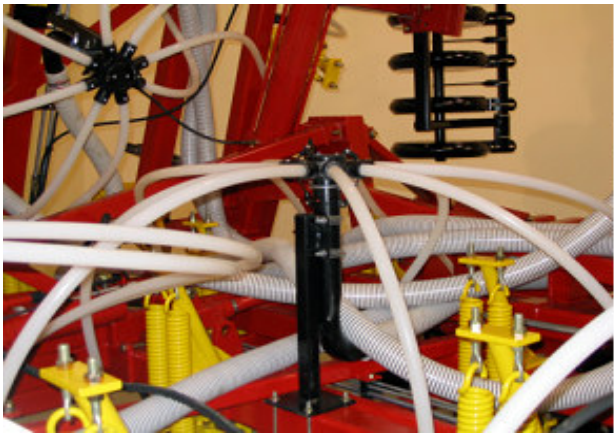


Figure 1



Figure 2

Suggested Completion Time = 15 min

Signature: _____

Actual Time _____

ELECTRICAL

Safety Lights

	Check Off
All Safety Lights work	
Safety Lights are Secure	
Amber lights are seated properly in holders	

Seeder Harness

	Check Off
Connections match to corresponding seeder unit	
Excess cable is wrapped up neatly out of harms way	
Cover caps are on all ends of the wiring harness (weather protection)	

Blockage System (Optional)

	Check Off
Blockage Module boxes are mounted with the connections on under-side. <i>See Fig. 9</i>	
Sensors are mounted on tubes with wire directed away from the manifold. <i>See Fig. 10</i>	
Single run sensors are installed on the longest hose for each manifold	
Sensors wires are not installed by Quick Inspection Manifold handles	



Fig. 9 Blockage Module



Fig. 10 Blockage Sensor Mounting

Suggested Completion Time = 15 min

Signature: _____

Actual Time _____

Depth Sight/Auto Clutch

AUTO CLUTCH SWITCH (optional)	Check Off
Auto clutch mount is installed perpendicular to Upper Horizontal Arm	
Pivot arm is mounted parallel to Upper Horizontal Arm	
Ensure that with the unit completely lowered, the roller on the limit switch is not touching the pivot arm	
Ensure that with the unit completely raised, the pivot arm does not touch the Upper Horizontal Arm or the bolts that clamp the switch mount onto the Horiz. Arm.	
Ensure that with the unit completely raised, the tension of the spring is adjusted, to hold the limit switch engaged.	
All fasteners are tightened appropriately	
All paint damage is repaired	

DEPTH SIGHT GAUGE	Check Off
Depth sight gauge is mounted on the inside of the right MF Caster	
Small gear is oriented so that the double holes are facing up, and the arm faces the rear of the machine	
Bent portion of the indicator arm rests on the top of the small gear arm	
Sight gauge decal is installed straight on plate	
After sight gage is assembled onto machine, ensure there is a snug fit between the large and small gear (adjust the large gear upwards if required)	
Ensure all fasteners are tight	
Ensure all paint damage has been repaired	



Fig. 11 Auto Clutch Switch



Fig. 12 Depth Site Guage

Suggested Completion Time = 10 min

Signature: _____

Actual Time _____

Section 9 - Final Check

FINAL CHECK OFF

	CHECK OFF
Hydraulics	
Quick shift depth control functions properly	
Ensure there are no hydraulic leaks	
Exposed cylinder shafts are greased (if machine is sitting on lot for extended time)	
Dust seal is seated properly on poppet valve	
Various	
Wash the unit, removing all road debris (road salt and tar)	
Ensure All MRB 's are fully raised to ensure no interference.	
Check for aesthetic defects and shipping damage. Repair or replace damage	
Ensure depth control wingnut and all depth control fasteners are tightened.	

Suggested Completion Time = 30 min

Signature: _____

Actual Time