

## 5710 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**

7"	<input type="checkbox"/>
9.8"	<input type="checkbox"/>
12.6"	<input type="checkbox"/>

**Castors on Wings**

Single Wheel	<input type="checkbox"/>
Dual Wheel	<input type="checkbox"/>
Walking Axle	<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"/>

**Depth Site Guage**

N/A	<input type="checkbox"/>
Installed	<input type="checkbox"/>

**Mid Row Banders**

N/A	<input type="checkbox"/>
s/n _____ Series 20	<input type="checkbox"/>
Series 25	<input type="checkbox"/>

**Castor Extensions**

N/A	<input type="checkbox"/>
12"	<input type="checkbox"/>
16"	<input type="checkbox"/>

**Mid Row Shanks**

N/A	<input type="checkbox"/>
Installed	<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"/>
Split Wheel	<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

# Section 1 - Trip Assemblies

	CHECK OFF
Visual inspection that all towers are perpendicular to the frame.	
All springs are installed with the hook ends facing the tower. <i>See Fig. 1</i>	
Eye bolts are tightened to proper specs	
230 lb single spring trip - snug + 3 threads showing at bottom 330 lb single spring trip - snug + 7/8" 330 lb double spring trip - snug + 2 or 3 threads 450 lb trip - snug + 3 threads showing at bottom 500 lb trip - snug+ 3 threads showing at bottom 600 lb trip - snug + 2 or 3 threads	
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 ( <b>260 ± 10 ft.lbs</b> ) have been verified for <b>5 trips/1-5/16 socket</b>	
The torque for the Shank Mounting Bolt (minimum of <b>200 ft.lbs</b> ) have been verified for <b>5 trips/ 1-1/8 socket</b>	
Correct offset shanks are used and verified on drawing	



Fig. 1 Trip Spring Orientation

Suggested Completion Time =30 min

Signature: \_\_\_\_\_

Actual Time \_\_\_\_\_

## Section 2 - 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 (35' units and under)	
Port "C1" on precision depth valve plumbed to poppet valve of master cylinder	
Sequence valve has been set correctly ( 40', 47' 50' & 60' only)	
Ensure that wire ties attaching Case Drain Line to others does not pinch off oil flow	
Depth control cylinders retract fully (If not, adjust the precision valve until they do)	
On 40', 47', 50' & 60' AHD's - dual series depth control are set evenly (cylinders measure the same when depth controls are against the stop)	
Identification tags have been attached to coupler end of hoses	
Depth cylinder pins installed complete with cotter pins	
Cylinder shafts are not pitted or scarred	
Steel hyd lines are not bent or kinked	
All plastic line hold downs are tight and fastened with a lock nut	
Steel line is attached to tie rods of winglift cylinder (Monarch cylinders only, where applicable)	

### Cylinder Locations

	5710-24/29/34		5710-40		5710-47/50		5710-59/60		5710-70	
Depth Cylinder	Part #	Size	Part #	Size	Part #	Size	Part #	Size	Part #	Size
Right M.F.	64610	5 x 8	3301-34	4" x 8"	3301-35	4 1/4"x12"	3301-37	4 3/4" x 8"	3301-67	5 x 8
Right I.W.	64611	4 3/4" x 8"	3301-33	3 3/4" x 8"	3301-34	4" x 8"	3301-36	4 1/2" x 8"	3301-66	4 3/4" x 8"
Right O.W.	N/A		N/A		3301-33	3 3/4" x 8"	3301-35	4 1/4"x12"	3301-65	4 1/2" x 8"
Left M.F.	3301-10	5 1/4" x 8"	3301-34	4" x 8"	3301-35	4 1/4"x12"	3301-37	4 3/4" x 8"	3301-67	5 x 8
Left I.W.	64612	4 1/2" x 8"	3301-33	3 3/4" x 8"	3301-34	4" x 8"	3301-36	4 1/2" x 8"	3301-66	4 3/4" x 8"
Left O.W.	N/A		N/A		3301-33	3 3/4" x 8"	3301-35	4 1/4"x12"	3301-65	4 1/2" x 8"
Wing Cylinders										
Right I.W.	3300-53	5" x 36"	3300-53	5" x 36"	3300-53	5" x 36"	3300-87	5 1/2" x 36"	3300-53	5" x 36"
Right O.W.	N/A		N/A		3300-62	4 1/2" x 30"	3300-54	5" x 30"	3300-54	5" x 30"
Left I.W.	3300-53	5" x 36"	3300-53	5" x 36"	3300-53	5" x 36"	3300-87	5 1/2" x 36"	3300-53	5" x 36"
Left O.W.	N/A		N/A		3300-62	4 1/2" x 30"	3300-54	5" x 30"	3300-54	5" x 30"
Trans Cylinders										
Right Trans.	3300-28	4" x 18"	3300-56	4 1/2 x 12"	3300-56	4 1/2 x 12"	3300-56	4 1/2 x 12"	3300-89	4 1/2 x 12"
Left Trans.	3300-28	4" x 18"	3300-56	4 1/2 x 12"	3300-56	4 1/2 x 12"	3300-56	4 1/2 x 12"	3300-89	4 1/2 x 12"

Suggested Completion Time = 20 min

Signature: \_\_\_\_\_

Actual Time \_\_\_\_\_

## Section 3 - Packers

<b>General (All Packer Styles)</b>	<b>CHECK OFF</b>
Ensure plastic caps are installed in ends of all packer gangs.	
Stonekickers are not in contact with packer shaft.	
End kickers are installed in correct holes, (slotted nut side of pkr).	
Pillow block bolts are tightened to 75 ft lbs., (+10 / -0 ft lbs). <i>See Fig. 2</i>	
Packer frame to packer U-bolts are torqued <b>250-280 ft. lbs 1-1/16 socket</b>	
Screwjack clevis is installed with welded nut under lock. <i>See Fig. 3</i>	
Packer wheels line up with shanks	
Nut side of packer gangs <b>not</b> facing one another	

<b>Rubber Capped Packers</b>	<b>CHECK OFF</b>
Rubber is in place and has no "peeled" edges	

<b>Pneumatic Packers</b>	<b>CHECK OFF</b>
Verify (5 random) tires for psi specification, 14 psi - 20 psi. (17 ± 3 psi)	
Packer wheel spacing is correct, (9.8" & 12.6").	
Check for cuts or defects in tires	

<b>Steel Packers</b>	<b>CHECK OFF</b>
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	



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

**Fig. 3 Screw Jack Lock**

Suggested Completion Time = 20 min

Signature: \_\_\_\_\_

Actual Time \_\_\_\_\_

## Section 4 - Wheel Torques and Tire Pressures

Only use the section that applies to this unit (according to model size)

**Tolerance (Pressure) = ± 3 psi**

**Tolerance (Torques) = ± 15 ft/lbs**

7/8" Socket

5710-24 to 34					5710-40				
Right Wing Outer Tire	11L x 15FI-6 ply	45 psi		160 ft/lbs		11L x 15FI-6 ply	45 psi		160 ft/lbs
Right Wing Inner Tire	11L x 15FI-6 ply	45 psi		160 ft/lbs		11L x 15FI-6 ply	45 psi		160 ft/lbs
MF Right Outer Tire	9.5 x 15FI-8 ply	60 psi		160 ft/lbs		11L x 15FI-8 ply	60 psi		160 ft/lbs
MF Right Inner Tire	9.5 x 15FI-8 ply	60 psi		160 ft/lbs		11L x 15FI-8 ply	60 psi		160 ft/lbs
MF Left Inner Tire	9.5 x 15FI-8 ply	60 psi		160 ft/lbs		11L x 15FI-8 ply	60 psi		160 ft/lbs
MF Left Outer Tire	9.5 x 15FI-8 ply	60 psi		160 ft/lbs		11L x 15FI-8 ply	60 psi		160 ft/lbs
Left Wing Inner Tire	11L x 15FI-6 ply	45 psi		160 ft/lbs		11L x 15FI-6 ply	45 psi		160 ft/lbs
Left Wing Outer Tire	11L x 15FI-6 ply	45 psi		160 ft/lbs		11L x 15FI-6 ply	45 psi		160 ft/lbs
Left Outer Transport	9.5 x 15-8 ply	50 psi		160 ft/lbs		9.5 x 15FI-8 ply	60 psi		160 ft/lbs
Left Inner Transport	9.5 x 15-8 ply	50 psi		160 ft/lbs		9.5 x 15FI-8 ply	60 psi		160 ft/lbs
Right Inner Transport	9.5 x 15-8 ply	50 psi		160 ft/lbs		9.5 x 15FI-8 ply	60 psi		160 ft/lbs
Right Outer Transport	9.5 x 15-8 ply	50 psi		160 ft/lbs		9.5 x 15FI-8 ply	60 psi		160 ft/lbs
5710-47 & 54					5710-59 & 64				
Right OW Outer Tire	9.5 x 15FI-6 ply	45 psi		160 ft/lbs		9.5 x 15FI-8 ply	60 psi		160 ft/lbs
Right OW Inner Tire	9.5 x 15FI-6 ply	45 psi		160 ft/lbs		9.5 x 15FI-8 ply	60 psi		160 ft/lbs
Right IW Outer Tire	11L x 15FI-6 ply	45 psi		160 ft/lbs		11L x 15FI-6 ply	40 psi		160 ft/lbs
Right IW Inner Tire	11L x 15FI-6 ply	45 psi		160 ft/lbs		11L x 15FI-6 ply	40 psi		160 ft/lbs
MF Right Outer Tire	11L x 15FI-8 ply	60 psi		160 ft/lbs		12.5Lx15FI-12ply	90 psi		160 ft/lbs
MF Right Inner Tire	11L x 15FI-8 ply	60 psi		160 ft/lbs		12.5Lx15FI-12ply	90 psi		160 ft/lbs
MF Left Inner Tire	11L x 15FI-8 ply	60 psi		160 ft/lbs		12.5Lx15FI-12ply	90 psi		160 ft/lbs
MF Left Outer Tire	11L x 15FI-8 ply	60 psi		160 ft/lbs		12.5Lx15FI-12ply	90 psi		160 ft/lbs
Left IW Inner Tire	11L x 15FI-6 ply	45 psi		160 ft/lbs		11L x 15FI-6 ply	40 psi		160 ft/lbs
Left IW Outer Tire	11L x 15FI-6 ply	45 psi		160 ft/lbs		11L x 15FI-6 ply	40 psi		160 ft/lbs
Left OW Inner Tire	9.5 x 15FI-6 ply	45 psi		160 ft/lbs		9.5 x 15FI-8 ply	60 psi		160 ft/lbs
Left OW Outer Tire	9.5 x 15FI-6 ply	45 psi		160 ft/lbs		9.5 x 15FI-8 ply	60 psi		160 ft/lbs
Left Outer Transport	9.5 x 15FI-8 ply	60 psi		160 ft/lbs		11L x 15FI-8 ply	60 psi		160 ft/lbs
Left Inner Transport	9.5 x 15FI-8 ply	60 psi		160 ft/lbs		11L x 15FI-8 ply	60 psi		160 ft/lbs
Right Inner Transport	9.5 x 15FI-8 ply	60 psi		160 ft/lbs		11L x 15FI-8 ply	60 psi		160 ft/lbs
Right Outer Transport	9.5 x 15FI-8 ply	60 psi		160 ft/lbs		11L x 15FI-8 ply	60 psi		160 ft/lbs
5710-70 & 74									
Right OW Outer Tire	9.5 x 15FI-8ply	60 psi		160 ft/lbs					
Right OW Inner Tire	9.5 x 15FI-8ply	60 psi		160 ft/lbs					
Right IW Outer Tire	11L x 15FI-8 ply	60 psi		160 ft/lbs					
Right IW Inner Tire	11L x 15FI-8 ply	60 psi		160 ft/lbs					
MF Right Outer Tire	16.5Lx16.1FI-10ply	60 psi		160 ft/lbs					
MF Right Inner Tire	16.5Lx16.1FI-10ply	60 psi		160 ft/lbs					
MF Left Inner Tire	16.5Lx16.1FI-10ply	60 psi		160 ft/lbs					
MF Left Outer Tire	16.5Lx16.1FI-10ply	60 psi		160 ft/lbs					
Left IW Inner Tire	11L x 15FI-8 ply	60 psi		160 ft/lbs					
Left IW Outer Tire	11L x 15FI-8 ply	60 psi		160 ft/lbs					
Left OW Inner Tire	9.5 x 15FI-8ply	60 psi		160 ft/lbs					
Left OW Outer Tire	9.5 x 15FI-8ply	60 psi		160 ft/lbs					
Left Outer Transport	12.5Lx15FI-8ply	60 psi		160 ft/lbs					
Left Inner Transport	12.5Lx15FI-8ply	60 psi		160 ft/lbs					
Right Inner Transport	12.5Lx15FI-8ply	60 psi		160 ft/lbs					
Right Outer Transport	12.5Lx15FI-8ply	60 psi		160 ft/lbs					

**NOTE: Record Tire pressures in allotted space**

**Comments :**

Suggested Completion Time = 25 min

Signature: \_\_\_\_\_

Actual Time \_\_\_\_\_

## SECTION 5 - 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	
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)	
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)	
Seedboots are mounted straight on the shank (after air hoses have been install	

### 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)	

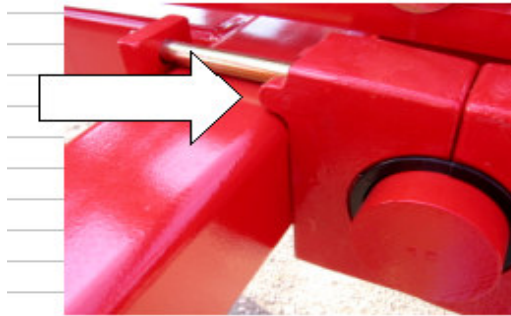
Suggested Completion Time = 15 min

Signature: \_\_\_\_\_

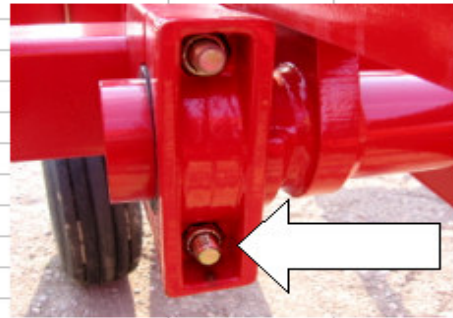
Actual Time \_\_\_\_\_

## Section 6 - Linkages and Pivots

	Check Off
Shear tabs on rock shafts facing up. <i>See Fig. 6</i>	
Rock shaft backing plate is not bent (overtightened). <i>See Fig. 6</i>	
5/8 nut in slot of rockshaft bearings. <i>See Fig. 7</i>	
Rockshaft bearings do not interfere with Screwjack Clevis	
Screwjacks measure to be within 1/8" of each other for length (pin to pin)	
Over-center Lock functions properly and locks against hinge. <i>See Fig. 8</i>	
All linkage pins have cotter pins (or roll pins) in them	
Anti-turn pins are fastened securely	
Check that all hitch and wing hinge pins are in place and secure	
No excess gap between castor pivot axle wear plates (.060" max)[approx. thickness of a quarter]	
Castor pivots are tight and require some force to swivel (do not spin too easily)	
Castor pivots are greased (2 locations)	
MF castor wheel walking axles are greased	



**Fig. 6 Rockshaft Bearings Sheartab**



**Fig. 7 Nut seated in Slot**



**Fig. 8 Over-Center Lock (5710-70 only)**

Suggested Completion Time = 15 min

Signature: \_\_\_\_\_

Actual Time \_\_\_\_\_

# SECTION 7 - ELECTRICAL

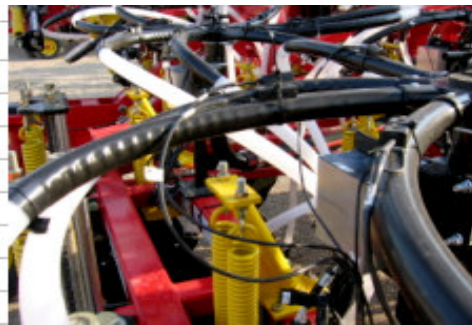
<b>Safety Lights</b>	<b>Check Off</b>
All Safety Lights work	
Safety Lights are Secure	
Amber lights are seated properly in holders	

<b>Seeder Harness</b>	<b>Check Off</b>
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)	

<b>Blockage System (Optional)</b>	<b>Check Off</b>
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



## Section 8 - Mid Row Shanks (Optional)

	<i>check</i>
All M.R.S. are in the correct locations. Measure 5 at random locations.	<input type="checkbox"/>
If equipped with air kit, verify all lines are routed to the correct manifold	<input type="checkbox"/>
Ensure that there is no interference contact when folding into transport	<input type="checkbox"/>
All bolts on M.R.S. are tight	<input type="checkbox"/>

## CASTORS

	<i>check</i>
Tires on castor wheels are not towed in or out but are riding straight	<input type="checkbox"/>
All screw jacks are snug and lock nut is tight.	<input type="checkbox"/>
Anti turn bolt is seated into castle nut and has washers and lock nut. <i>See Fig. 4</i>	<input type="checkbox"/>
All castors are greased	<input type="checkbox"/>
All bolts on castor assemblies are tight	<input type="checkbox"/>
All Dustcaps are dent free (max dent is 1/8").	<input type="checkbox"/>
M/F castor wheels have short offset to the rear of the machine. <i>See Fig. 5</i>	<input type="checkbox"/>



**Fig. 4 Castle Nut on Castors**



**Walking Axle on  
Main Frame Castor**

Suggested Completion Time = 15 min

Signature: \_\_\_\_\_

Actual Time \_\_\_\_\_

## Section 9 - FINAL INSPECTION

	CHECK OFF
Quick shift depth controls are calibrated together and sincronized	
Ensure there are no hydraulic leaks	
With unit fully raised, rotate all castors to ensure no interference with trips/banders	
Wash the unit, removing all road debris (road salt & tar)	
Winglift cylinder bolts are tightened	
Saftey chain (40,500lb) has been properly attached	
Primary manifolds, elbows and secondary hose do not interfere with trips or packers when	
Granular hoses do not kink when unit is in transport position (If applicable)	
Ensure All MRB 's are fully raised to ensure no interference (If applicable)	
Hitch jack rotates up and down easily	
Check for Aesthetic defects and shipping damage. Replace damaged items or touch up	
Ensure wrench set is installed on the hitch.	
Ensure depth control wingnut and all depth control fasteners are tightened	

Suggested Completion Time = 40 min

Signature: \_\_\_\_\_

\_\_\_\_\_  
Actual Time