



# 3720 PRE-DELIVERY INSPECTION CHECKLIST

DATE: \_\_\_\_\_

CUSTOMER NAME: \_\_\_\_\_

DEALERSHIP: \_\_\_\_\_

MODEL SIZE: \_\_\_\_\_

SERIAL #: \_\_\_\_\_



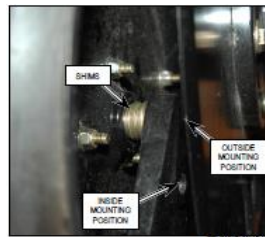
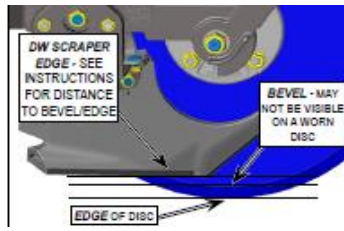
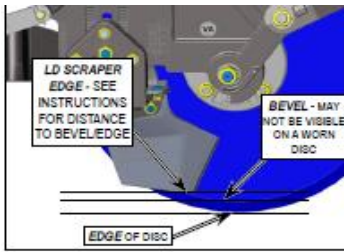
ECU SERIAL #'s: \_\_\_\_\_

<b>Size</b>	40'	<input type="checkbox"/>	<b>Mid Row Bander 3</b>	Closer tine	<input type="checkbox"/>
	50'	<input type="checkbox"/>		Retaining Wheel	<input type="checkbox"/>
	60'	<input type="checkbox"/>		None	<input type="checkbox"/>
	70'	<input type="checkbox"/>			
<b>Spacing</b>	7.5"	<input type="checkbox"/>	<b>Airkit</b>	6000	<input type="checkbox"/>
	10"	<input type="checkbox"/>		7000	<input type="checkbox"/>
	12"	<input type="checkbox"/>		Single (SS) Double (DS)	<input type="checkbox"/>
<b>Scrapers</b>	Low Disturbance (LD)	<input type="checkbox"/>	<b>Blockage Sensors</b>	Leading	<input type="checkbox"/>
	Disk Wing (DW)	<input type="checkbox"/>		Leading ASC	<input type="checkbox"/>
	None	<input type="checkbox"/>		Trailing	<input type="checkbox"/>
				None	<input type="checkbox"/>
<b>Packer Wheels</b>	4.5 DBL Offset	<input type="checkbox"/>	X30 Apollo		<input type="checkbox"/>
	4.5 DBL Shoulder	<input type="checkbox"/>		591 Vansco	<input type="checkbox"/>
	None	<input type="checkbox"/>		Single run	<input type="checkbox"/>
<b>Opener Cleaner Wheel</b>	3" Wide	<input type="checkbox"/>	Full run	<input type="checkbox"/>	
	4.5" Wide	<input type="checkbox"/>	None	<input type="checkbox"/>	
	None	<input type="checkbox"/>			
			<b>Tires / Running gear</b>	Standard	<input type="checkbox"/>
				Hi-Flotation	<input type="checkbox"/>
				Hi-Flotation Full	<input type="checkbox"/>

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

Follow the inspection requirements for this unit as instructed. Once that step has been done, check off the "Checked" box.  
 Once you have completed the section, note the time to complete the inspections and sign your name at the bottom of the page.  
 Completed forms are to be stored at the dealership and are not required to be returned for Warranty Registration

<b>Opener Assemblies</b>	<b>CHECK OFF</b>
Opener layout is included with foil bag that is attached to hitch, confirm proper layout	
Openers are not chipped or have light paint	
Castings are not chipped or have light paint	
Ensure scrapers are set properly, height above bevel of disc and scraper to disc adjustment. (See operators manual section 6.2.5.2)	
Ensure Gauge wheel is properly set (See Operators Manual Section 6.2.4)	
Packer wheel lug nuts are torqued to <b>85 ft. lbs. +/- 10 ft. lbs. (Check 5 wheels)</b>	
Grease all coulters and packers until grease comes past the seal	
Spare packer tire installed	



<b>On Unit Checks</b>	<b>CHECK OFF</b>
Opener mount u-bolts torqued to 200 +20/-0 ft-lb (1-1/8" socket) (Check 5) and do a visual check on all of the u-bolts to ensure they have even amounts of exposed threads.	
Anti-turn pin heads on same side as disc	
All openers in proper location (+/- 1/4") (Check 5)	
Hose clamp should visibly deform hose up to 1/16" (Visually check 5 if any not correct check all)	
Ensure all hitch pins and wing pins are in place and secure	
Remove wing safety lock pins and lower and raise wings to ensure smooth operation	
Lower openers make sure wing down pressure is set to 200 psi or less in the soft ground spring conditions.	
Check that the in cab control box functions correctly. Set opener pressure to 500 psi.	
All bolts are tight	

<b>Mid Row Bander III (If Installed)</b>	
*****PRINT PDI FORM FROM WEB SITE*****	

Completed By: \_\_\_\_\_ Time: \_\_\_\_\_

<b>Safety Equipment</b>	<b>CHECK OFF</b>
All Safety Lights work properly	
Safety Lights are Secure	
Amber lights are seated properly in holders	
Safety Chain is attached and is tagged with 80,000 lbs. Rating	

<b>Hydraulics</b>	<b>CHECK OFF</b>
Ensure that wire ties attaching case drain line to others do not pinch off oil flow	
Identification tags have been attached to couplers	
Steel hydraulic lines are not bent	
50', 60' & 70', Once IW are lowered at initial wing-out, use the test port on wing hinge valve to ensure IW cylinder pressure is at 500psi (+/- 50psi). See 2016 TSB for more information.	
Check for hydraulic oil leaks	
Hydraulic hoses meet minimum bend specifications (See appendix A)	
All plastic line hold downs are tight and fastened with a lock nut	
Ensure that the case drain hose is installed on the top right of the hydraulic hoses	
Opener, MRB, and Wingfold hydraulics loop upwards, and away from wing hinges	

Completed By: \_\_\_\_\_ Time: \_\_\_\_\_

# Air Kits

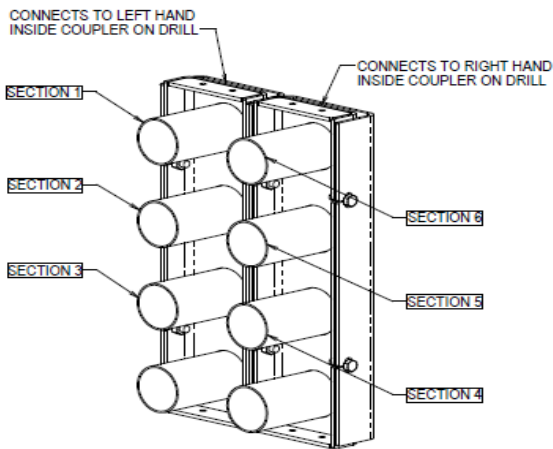
6000 Series Primary Stand Check	CHECK OFF
Primary elbow is straight with frame (+/- 1 degree)	
Quick Coupler can be easily removed by hand	
Over-center latches installed correctly, move freely, & lock pin fits	
Hose clamps are tight on hoses attached to primary stand	
Ensure that left side manifold feeds shanks. (**Very Important**)	

7000 Series Primary Stand Check	CHECK OFF
Primary stands are only on Leading units only	
If coupled to a trailing unit, make sure runs are tagged properly and confirm proper routing	



1. 6 PORT CONFIGURATION

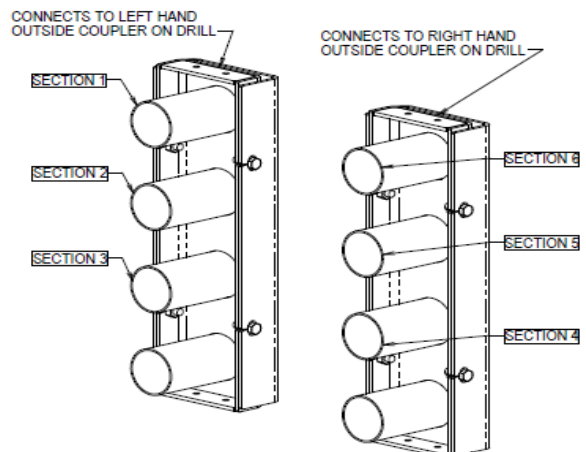
### Single Shoot



LEGEND FOR SECONDARY HOSE CONNECTION

Section on Drill	Port on FAN 1 Primary Manifold	Nylon Tag P/N
1	A	1850-81
2	D	1850-82
3	B	1850-83
4	E	1850-84
5	C	1850-85
6	F	1850-86

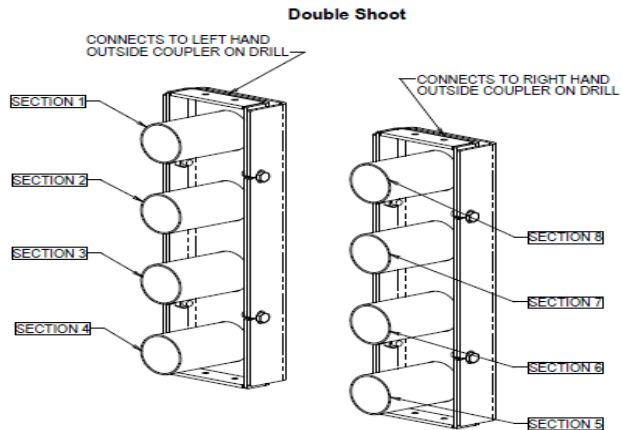
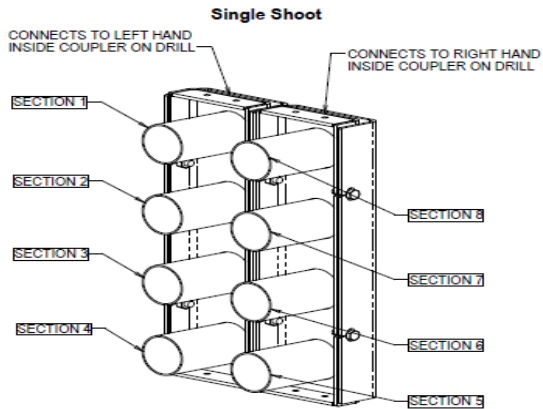
### Double Shoot



LEGEND FOR SECONDARY HOSE CONNECTION

Section on Drill	Port on FAN 2 Primary Manifold	Nylon Tag P/N
1	A	1850-91
2	D	1850-92
3	B	1850-93
4	E	1850-94
5	C	1850-95
6	F	1850-96

2. 8 PORT CONFIGURATION



LEGEND FOR SECONDARY HOSE CONNECTION

Section on Drill	Port on FAN 1 Primary Manifold	Nylon Tag P/N
1	A	1850-81
2	E	1850-82
3	C	1850-83
4	G	1850-84
5	B	1850-85
6	F	1850-86
7	D	1850-87
8	H	1850-88

LEGEND FOR SECONDARY HOSE CONNECTION

Section on Drill	Port on FAN 2 Primary Manifold	Nylon Tag P/N
1	A	1850-91
2	E	1850-92
3	C	1850-93
4	G	1850-94
5	B	1850-95
6	F	1850-96
7	D	1850-97
8	H	1850-98

Secondary Stand Check	CHECK OFF
Shorten the secondary and tertiary hoses as required leaving enough length for folds and moving components. Once you have the lengths addressed you should raise and lower the openers. Then wing up the drill a few times checking for kinked and/or pinched hoses.	
Manifold caps seated properly in the manifold head with the retaining clips locked	
Double row spacing caps installed on secondary stem with cable	
Hose clamps are tightened on secondary hose	
Muffler clamps are tightened evenly	
Tertiary hoses are not touching any steel hydraulic lines	
Tertiary hoses secured to seed tubes with hose clamp	
Tertiary lines from even ports go to back row, and odd ports go to front row	
Tertiary hoses fully seated in secondary manifold	
Tertiary lines from single shoot airtit go to rear seed tube on opener, double shoot lines go to front tube on opener	
Ensure Tertiary hoses are not rubbing on closer wheels	
All hose clamps are tightened properly secondary on manifolds	

Blockage Monitors (If Installed)	CHECK OFF
For units with Blockage Modules, ensure that the optical sensor is mounted on the longest odd # hose (manifold ports are numbered)	
Labels are installed on optical sensor extension cable (each end)	
Optical sensors are labeled properly	
Sensor wires are properly secured with zip ties.	



Running Gear	CHECK OFF
Tires on castor wheels are not toed in or out and are running straight in the forward position	
Rim is contacting hub properly mounted flush against hub.	
Walking castor wheels have short offset to the rear of the machine in the forward position	
Walking castors have leading tire assembled to inside of unit in the forward position	
All castors are properly greased and wheel hubs	
All bolts on castor assembly are tight	
All castor top dust caps are dent free (max 1/8" dent)	
Gap between castor pivot axle does not exceed 0.060" (Thickness of a quarter)	
All wheel bolt torques and tire pressures checked as per maintenance decal on the front hitch	
Torque wheel arm to frame 1" bolts to 400 +20/-0 ft-lb (1-1/2" socket) (Check 5)	



High Flotation Option	CHECK OFF
Test function of ball valve and hydraulic cylinders	
Open steering cylinder ball valve raise openers using the 405 control box steering cylinders should retract, lower openers steering cylinders should extend	
With openers down, check the initial pressure is correct for size of drill. Table 5.12 in operators manual or below.	
Check mainframe tire toe-in at center of tire. Front should be approximately 1" closer than the rear. (+/- 1/2")	
Check hammer clearance with openers lowered and hitch centered, should have 1/8" of clearance between hammer and stop on each side, or 1/4" in total. Remove bolt and adjust clevis if required.	

Table 5.12 - Pressure for Hitch Hydraulics  
 3720-60 2050 PSI  
 3720-70 2300 PSI



High Flotation - Wheel Torque and Tire Pressure	CHECK OFF
Main frame wheel nut torque (800/65R32) = 450 +/- 25 ft lbs	
Main frame tire pressure (800/65R32) See table below	
Caster wheel nut torque (540/65R24) = 160 +/- 15 ft lbs	
Caster tire pressure (540/65R24) See table below	
HF main frame front wheel lugs are torqued to 450 ft.lbs +/-25 ft.lbs	



<b>IMPORTANT</b>										
<b>3720 Independent Coultter Drill Tire Pressure Inflation Chart</b>										
Frame Width	Tire Configuration	Main Frame Front		Main Frame Rear		Inner Wing Front		Outer Wing Front		Outer Wing Rear
		HF Single	Dual	Dual (Standard)	Dual (HF)	HF Single	Dual	HF Single	Dual	
3720-40	Min Load Range Pressure	N/A	13.5L-15FI	13.5L-15FI	N/A	N/A	13.5L-15FI	13.5L-15FI	N/A	N/A
			F	F			C	C		
			75psi (517kPa)	75psi (517kPa)			30psi (207kPa)	30psi (207kPa)		
3720-50	Min Load Range Pressure	N/A	16.5L-16.1FI	13.5L-15FI	N/A	N/A	13.5L-15FI	13.5L-15FI	N/A	13.5L-15FI
			E	F			C	C		C
			60psi (414kPa)	75psi (517kPa)			30psi (207kPa)	30psi (207kPa)		30psi (207kPa)
3720-60	Min Load Range Pressure	800/65R32	16.5L-16.1FI	13.5L-15FI	16.5L-16FI	Refer to Operator's Manual for Tire Inflation Procedure	13.5L-15FI	13.5L-15FI	Refer to Operator's Manual for Tire Inflation Procedure	13.5L-15FI
		N/A	E	F	E		C	C		13.5L-15FI
		35psi (241kPa)	60psi (414kPa)	75psi (517kPa)	60psi (414kPa)		30psi (207kPa)	30psi (207kPa)		30psi (207kPa)
3720-70	Min Load Range Pressure	800/65R32	N/A	N/A	16.5L-16FI	Refer to Operator's Manual for Tire Inflation Procedure	13.5L-15FI	13.5L-15FI	Refer to Operator's Manual for Tire Inflation Procedure	13.5L-15FI
		N/A			E		C	C		13.5L-15FI
		35psi (241kPa)			60psi (414kPa)		30psi (207kPa)	30psi (207kPa)		30psi (207kPa)

Refer to the operator's manual for additional information or contact your Bourgault representative. 3905-09-02R01

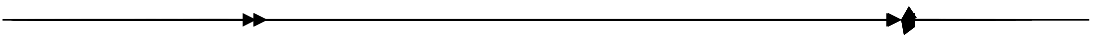
Record the Full HF front casters wheels air pressure that are on the decals in the boxes below	PSI
Left outer wing	
Left inner wing	
Right inner wing	
Right outer wing	



Final Check	CHECK OFF
No hydraulic leaks	
Every second opener lifts when 1 double row spacing valve is closed	
Test control box 3120-57 raise/lower and pressure functions. Attach box, tractor harness (3120-57-01), and power harness (3120-65-21) to drill	
Lubricate machine as per manual specifications	
Drill has been cleaned of all road salt or other debris	

Various	CHECK OFF
Oil, dirt, footprints, etc. have been cleaned up	
Insure that the zip ties attaching harnesses are not overly tight	
Airkit hoses do not kink when unit is in transport position	
Primary manifolds, elbows, and hoses do not interfere with openers when unit is in transport position	
MRB discs do not contact frame at any point when raised	
MRBs remain in raised position when isolation valve is engaged	
Operators manuals are with drill	

Completed By: \_\_\_\_\_ Time: \_\_\_\_\_





## Appendix A

### Hydraulic Hose Bend Radii

