

BOURGAULT *Pursuing Perfection*

1100 GRAIN CART PRE-DELIVERY INSPECTION

DATE _____
 DEALERSHIP _____
 SERIAL # _____



PTO Drive Size 1-3/8"
1-3/4"

Tarp Yes
No

Loadcell Monitor Yes
No

Loadcell Printer Yes
No

Tires

Tire Option	Ply Rating	
21.5 x 16.1 Rib Imp	14 Ply	<input type="checkbox"/>
21.5L x 16.1 SL Rice Lug	14 Ply	<input type="checkbox"/>
460/70 R24 Row Crop	152	<input type="checkbox"/>

Tools Required:
 Tire Pressure guage
 Tape measure

Torque Wrench -	_____	3/4"
	_____	1/2"
Flat Wrenches	_____	1 1/8"
	_____	1 1/2"
Sockets	_____	15/16"
	_____	3/4"
	_____	1 1/8"
	_____	1 1/16"
	_____	1 1/2"
Allen wrench	_____	1 11/16"
	_____	3/16"
	_____	7/64"
	_____	5/16"
	_____	3/8"
	_____	1/2"

UNDERCARRIAGE

	CHECK OFF
Walking beam spacers are installed with bolt to bottom side (7203-12)	
Walking Beam Spacers are installed in correct location (dependant on tire option)	
460/70 R24 (Row Crop) - Both spacers are installed on outside of Wlkg Beam	
21.5 x 16.1 - 1 spacer installed on both the inside and outside of the Wlkg Beam standard spacing.	
21.5x16.1 (36" Row spcg) - Both spacers installed on the inside of the Wlkg Beam	
ONLY LUG TIRES - Ensure tread on top of tire points to the rear	
Tire pressures are 35 -38 p.s.i. if standard tires, 44 - 48 p.s.i. if row crop	
Wheel bolts are torqued to 275 ft-lbs (+ / - 25 ft lbs) <u>15/16" socket</u>	
A-frame mount bolts (3/4 x 10) are tightened to spec (200 ± 25 ft.lbs) socket & 1-1/8" wrench (check 4 at random)	1-1/8"
All hitch to frame mounting bolts 3/4" x 2 1/2" are in place and tight (175 ft-lbs min) 1/16" Socket (check 4 at random)	1-
The walking axle end cap bolt tension for the 1" x 3 1/2" bolts are 250ft-lbs min 1/2" Socket (check 2 at random)	1-
1" x 8-1/2" frame mount bolts in place c/w nylon lock nuts, and tight (250 ft-lbs min) 1-1/2" socket & 1-1/2" wrench (check 4 at random)	
Bolts for A-frame loadcell or spacer blocks (1-1/8 x 2-1/2, 1-1/8 x 5) are tight ft.lbs min) <u>1-11/16" socket (check 4 at random)</u>	(600
Transport pin c/w locking pin are mounted on pin holder	
Jack mounted inside on right hand side of lower beam on hitch	
Axle sticks out past the walking axles the same amount on both sides. (± 3/8")	
Safety chain installed 40500lb min, GR5	
Walking axles are free to rotate	

LOAD CELLS

	CHECK OFF
A-frame loadcells installed with cables toward rear of machine	
Tongue mounting bolts (1-1/8 x 4) are tight (600 ft.lbs min)	
Ensure arrow on tongue loadcell is pointing up when assembled.	
Ensure arrow on A- Frame loadcell is pointing down when assembled.	

Suggested Completion Time = 40 min.

Signature: _____

Actual Time _____

AUGERS & CLEAN OUTS

	CHECK OFF
Bottom tank clean out doors are adjusted to close straight with the tank hopper - ensure no gap around seam, (seal must be applied with glue).	
Hand nuts on inspection plates on turret auger are easily turned by hand	
Check that drag auger can also be turned easily by hand (turn flighting thru cleanout holes)	
Check that Vertical and turret auger turn easily by hand (turn drive shaft)	
All set screws on augers are tight 3/16" allen	
Hydraulic cylinder is attached so the auger swings to the left of the grain cart - apply grease to cylinder shaft to protect from rust.	
Ensure that the 12 - 1/2" x 1-1/2" bolts (top and bottom) have been torqued to 65 ft.lbs min. 3/4" Socket	
3 bolts on auger spout are installed with the head of the bolt to the outside.	
Vertical auger housing 1/2 x 1-1/2 bolts are torqued to 55 ft lbs. 3/4" Socket	

For a new unit, at the start of each season, after long periods of non-use and after replacing the slip clutch friction discs, perform the following steps:

ENSURE THAT THE DRIVELINE IS DISCONNECTED FROM THE TRACTOR DURING ALL PHASES OF MAINTENANCE.

1. Make sure the tractor is off and the PTO/ hydraulic motor is disengaged.
2. Disconnect the driveline from the tractor.
3. Loosen the bolts (shown in *Figure 8.14*) on the outside diameter of the clutch until all bolts are just loose, then tighten all bolts one half (½) turn.
4. Connect the driveline to the tractor PTO.

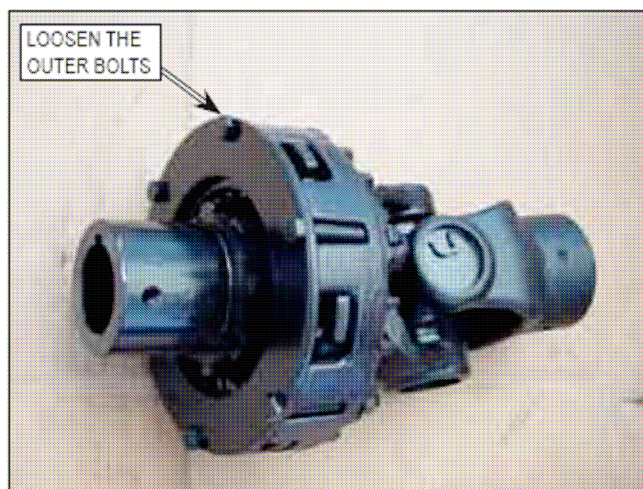


Figure 8.14

Suggested Completion Time = 40 min.

Signature: _____

Actual Time _____

HYDRAULICS & TARP

	CHECK OFF
All hydraulic line hold downs are tight	
All fittings are tight with no leaks	
Hydraulic hose ends are tagged with plastic markers	
Tarp direction - must open on right side of unit and close on left.	
Tarp rolls properly both ways	
Tarp cables roll properly on tarp pulley	
Tarp crank secures on both sides of grain cart	

DRIVE LINE

	CHECK OFF
Set screws have been screwed out on slip clutch 3/16" Allen	
All bearing locking collars are tight on the shaft - FRONT	
All bearing mount bolts are tight - FRONT	
All set screws on lock collars are tightened - FRONT 1/2" Allen	
Fluid level in bottom gear box is good (oil will trickle out when plug is removed)	
Use 80W90 oil if required 3/8" Allen	
Fluid level in top gear box is good (oil will trickle out when plug is removed)	
Use 80W90 oil if required 5/16" Allen	
Set screws on slip clutch are tight 3/16" Allen	
1/2" bolts used to mount the auxillary gearbox are torqued to 75 ft-lbs +/- 10 ft-lbs	
Ensure all guards are in place	
Ensure telescopic PTO shaft is fully greased	
All bearing locking collars are tight on the shaft - REAR	
All bearing mount bolts are tight - REAR	
All set screws on lock collars are tightened - REAR 3/16" & 7/64" allen	
Set screws on U-joints are tight 3/16" allen	
5/8" bolts used to mount the main gearbox torqued to 150ft-lbs +/- 20ft-lbs	

Suggested Completion Time = 30 min.

Signature: _____

Actual Time _____

FINAL INSPECTION

	CHECK OFF
Ensure that cylinder does not contact / interfere with turret auger housing during rotation	
No excessive vibration in auger when turret is extended to the left (With P.T.O engaged running at 800, 900 & 1000 R.P.M.)	
No excessive vibration when the turret auger is not swung out (With P.T.O. engaged running at 800, 900 & 1000 R.P.M.)	
Idler belt pulley engages properly	
Belt tension is set correctly, belt is not too tight or loose when disengaged	
The belt tension spring has a free length of 3 5/16" and compresses to 2 5/8" +/- 1/16" when belt is engaged	
Clean out doors seal, open and close properly	
Unit has been greased	
All paint defects have been touched up	
Transport and operational lights work correctly	
Turret bolt torques have been checked after machine has been tested <u>3/4" socket</u>	
0250-98-06 MNL OPTR 1100 G/C packaged	
0250-98-13 MNL OPTR ASSY 1100 G/C LDCL	

Suggested Completion Time = 30 min.

Signature: _____

Actual Time