



This PDI is to be done with the 7000 series functional test and should be attached to this PDI when completed. This will ensure the functional quality of the unit

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Created by DSM Revision by DSM,DG

BOURGAULT INDUSTRIES

Pre-delivery Checklist

Pre-delivery Checklist Auto Section Control 7000 SERIES

L7550 7550 7700 L7800 7950 71300

DATE: _____

DEALERSHIP: _____

ORDER NUMBER: _____

SERIAL # OF MACHINE INSTALLED ON: _____

PRODUCTION SCHEDULE: _____

FINAL SPECS: _____



This PDI to be completed and attached to the PDI for the Air Seeder Cart and functional test for both the Air Seeder Cart and ASC

Single shoot	6 Port	8 Port	10 Port
Double Shoot	6 Port	8 Port	10 Port

ASC Assembly	
Ensure all the fittings are tight.	
Ensure that valve bodies can't move once tighten to manifold.	
Ensure 7/8 nut torqued to 75 ft-lbs (figure #1)	
Ensure star washer is installed on sensor (figure #2)	
Ensure cylinders are adjusted so plates are flush (fig #3) and port holes line up (fig #4)	
All Checks Complete:	

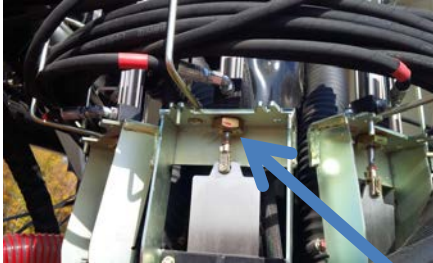


Figure #1



Figure #2

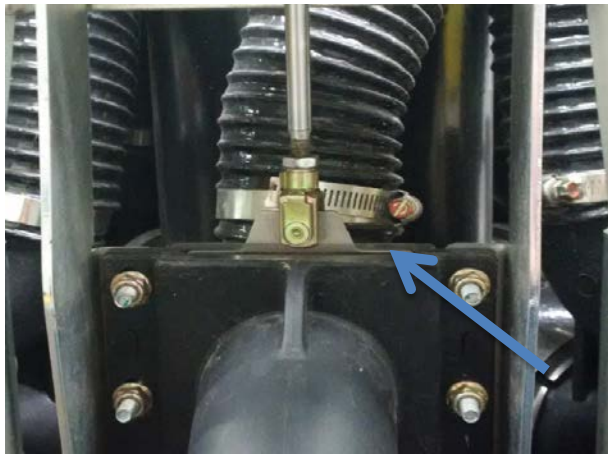


Figure #3



Figure #4

ASC Wiring

Ensure sectional harness is plugged into the hydraulic valve properly, this can be done by matching the decal # on the harness to the number stamped into the hydraulic sections valve (figure #1) (EXAMPLE decal - SECTION CTRL # goes to R6 solenoid on the block)

Ensure wiring is correct and tied up neatly

All Checks Complete:



Section feedback harness (figure #1) is connected properly. Use the casted lettering from the bottom side of the primary manifold (figure #2) and the labels on the harness to ensure connections are correct. Port to hose run location is on the following page for 6, 8 and 10 port.



Figure #1

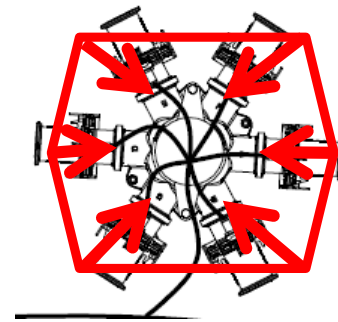


Figure #2

ASC Port Location

The manifold port location is clearly casted into the bottom of each primary manifold to ensure proper port to drill section hose location. Use figure #1 for 6 port manifolds, figure #2 for 8 port and figure #3 for 10 port manifolds. The orientation of Port A on a 10 port primary is located opposite the discharge side of the J pipe to the right of the J bolt. Figures #4 and 5 show the position at which the J bolt is located on the primary.

MANIFOLD PORT LABEL	HARNESS LABEL
A	1
B	3
C	5
D	2
E	4
F	6

Figure #1

MANIFOLD PORT LABEL	HARNESS LABEL
A	1
B	5
C	3
D	7
E	2
F	6
G	4
H	8

Figure #2

MANIFOLD PORT LABEL	HARNESS LABEL
A	1
B	7
C	3
D	5
E	9
F	2
G	8
H	4
I	6
J	10

Figure #3



Figure #4



Figure #5

ASC Hydraulics

Hydraulics can be verified by looking at the hoses going to each valve and cylinder. In figure #1 the identification on the hoses DS-H-8 breaks down as DS - double shoot, H - position labeled on bottom side of primary manifold location and 8 - location of hoses on section valve (Figure #2)

The red tag on the hoses (Figure #1, 2 and 3) is for the return hoses in all cases. On the section valve they go to the port marked R (figure #2) and on the manifold cylinders they go to the return side of the cylinders (figure #3)

Ensure that all hydraulic fittings are tight and oil has been cleaned off

Ensure the ASC hydraulic valves are plumbed properly by open and closing each valve from the X30

Ensure each drill section is hooked to ASC manifold properly by testing each section individually with floor dry to verify it section location routing.

All Checks Complete: _____

Figure #1



Figure #2

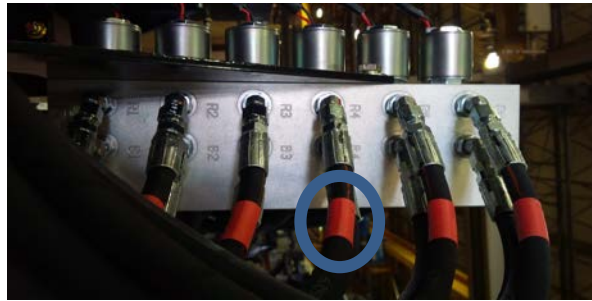


Figure #3