

Installation Instructions



30' No-Till Drill (Oct. 2004 and before) Hyd. Hose Route Update

Used with:

- 3N-3010P
- 3N-3020P
- 3N-3010
- 3N-3020



When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

General Information

These instructions explain how to install the wing hydraulic hose route update kit. Hose routing hardware for hoses going to the left-hand and right-hand wings. Fits any 30' production drill built prior to Nov. 2004.

These instructions apply to:

196-415A 30P Wing Hyd. Hose Route Update.

Manual Update

Refer to the 30' No-Till Drill operator's manual for detailed information on safely operating, adjusting, troubleshooting and maintaining the 30' No-Till Drill. Refer to the parts manual for part identification.

196-2448M	Operator's Manual
196-248P	Parts Manual
196-366M	Operator's Manual
196-366P	Parts Manual

Before You Start

Page 3 is a detailed listing of parts included in the 30P Hyd. Hose Route Update Kit package. Use this list to inventory parts received.

Tools Required

- Basic hand tools

Definitions

Right-hand and left-hand as used in this manual are determined by facing the direction the machine will travel while in use unless otherwise stated.

Assembly Instructions

Refer to Figure 1

1. With the drill unfolded and working on the left-hand side of the drill, place the center left-hand hose guide on top of the center frame.
2. Hold in place with a 3/8" x 1 1/2" bolt (not visible under hoses in picture). Insert bolt through the cylinder lock storage hole. Add a 3/8" lock washer and 3/8" nut and tighten.
3. Route hoses through the wire ring and place on top of the hose guide. Hold hoses in place with the hydraulic hose clip, 3/8" x 1" bolts, 3/8" lock washers and 3/8" flat washers.

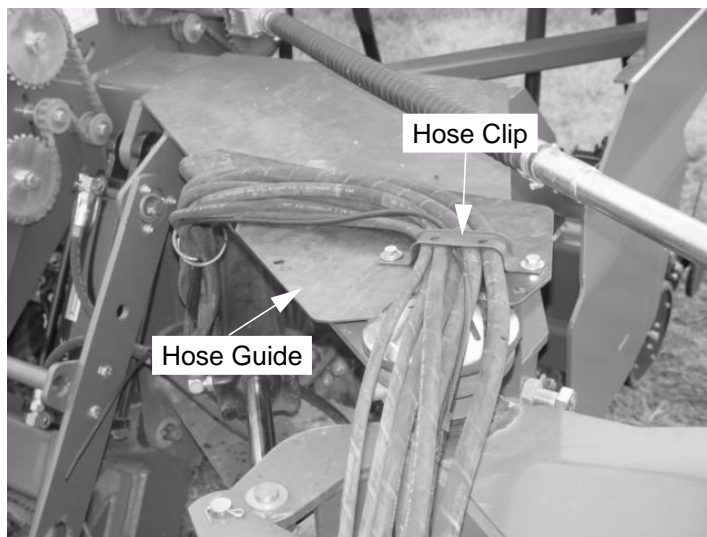


Figure 1

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Refer to Figure 2

4. Remove the two 3/4" bolts from the outside of the pivot pin support cap weldment.
5. Attach one of the wing hose guides to the wing frame using the two 3/4" bolts removed in the previous step.
6. Attach the slotted end to the frame using two 1/4" x 1 1/2" bolts, 1/4" flat washers and 1/4" lock nuts.

NOTE: If a monitor is mounted on the wing frame it will be necessary to loosen the bolts holding the monitor and slid the hose guide under the monitor. Leave the monitor loose. This must be done before installing the 3/4" bolts. After tightening the 3/4" bolts retighten the bolts holding the monitor.

7. Route hoses through the wire rings.

NOTE: It may be necessary to loosen the hoses at the gauge wheel cylinders to remove any twists in the hoses.

8. Repeat all steps to install the hose guides to the right-hand side of the drill.
9. Use the plastic wire ties to group the hoses together. Place the spiral hose wrap around the hose at the pivot point between the center frame and wing frame.

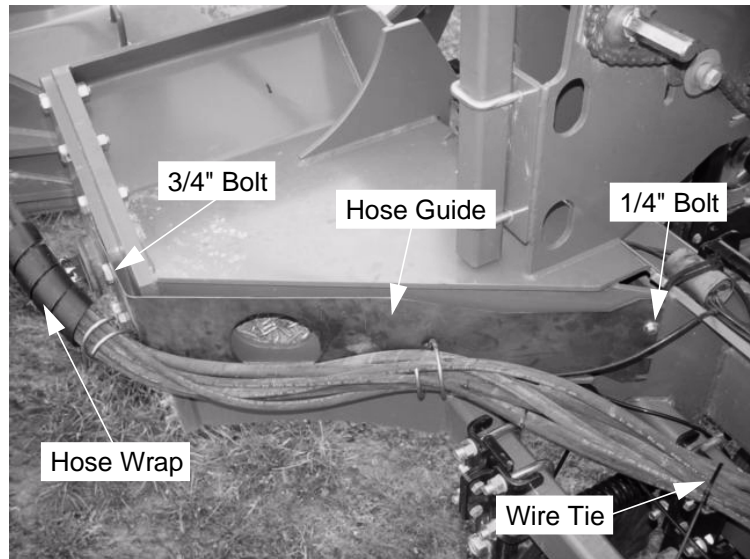


Figure 2

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196-415A 30P Wing Hyd Hose Route Update

Your kit includes:

Qty.	Part No.	Part Description
2	164-038D	HYD HOSE CLIP W/HOLES
1	196-412H	HOSE GUIDE 30P CTR LH
1	196-413H	HOSE GUIDE 30P CTR RH
2	196-414H	HOSE GUIDE 30P WING
1	196-416M	MANUAL 30P WING HYD HOSE ROUTE
10	800-082C	CABLE TIE .31 X 21.5 6 DIA 120 LB
4	802-017C	HHCS 3/8-16 X 1 GR5
2	802-022C	HHCS 3/8-16 X 1 1/2 GR5
4	802-167C	HHCS 1/4-20 X 1 1/2 GR5
2	803-014C	NUT HEX 3/8-16 PLT
4	803-255C	NUT HEX NYLOCK 1/4-20
4	804-011C	WASHER FLAT 3/8 USS PLT
6	804-013C	WASHER LOCK SPRING 3/8 PLT
4	804-075C	WASHER FLAT 1/4 USS PLT
2	990-223R	SPIRAL HOSE WRAP 2.00 DIA