## **INSTRUCTIONS-PARTS LIST**



Rev. A

308-



This manual contains important warnings and information. READ AND KEEP FOR REFERENCE.

# Model PRO 3500wb<sup>™</sup> Fluid Hose

03569

100 psi (7 bar) Maximum Working Pressure

Part No. 223–192, 25 ft. (7.6 m) fluid hose Part No. 223–193, 36 ft. (11 m) fluid hose Part No. 223–194, 50 ft. (15.3 m) fluid hose

**NOTE:** This hose is for use with Graco isolation fence systems only.

#### Series A PRO 3500wb Spray Gun



#### **IMPORTANT!**

Before installing the fluid hose, determine which style of PRO 3500wb gun you have, Series A – shown in Fig. 1, or Series B – shown in Fig. 2. The two guns are almost identical except for the fluid inlet connection parts. The Series B gun has the rigid tube housing (C), which extends down from the barrel inlet.

The fluid hose is pre-assembled to be used with the PRO 3500wb Series A spray gun. If you are installing the fluid hose on the Series A spray gun, follow the fluid hose installation instructions in the system manual 307–978.

If you are installing the fluid hose on the Series B spray gun, follow the **Conversion Procedure** on the following pages to convert the hose for a Series B gun.



#### Series B PRO 3500wb Spray Gun



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### **Conversion Procedure for Series B Gun**

### WARNING

#### PRESSURIZED EQUIPMENT HAZARD

To reduce the risk of fire, explosion, electric shock, or other serious injury:

- Follow the Fluid Voltage Discharge and • Grounding Procedure and the Pressure Relief Procedure in gun instruction manual 308-584 before installing the fluid hose.
- Do not service this equipment unless you are trained and qualified.
- 1. Remove items 1, 2, 5, 7, 8, 9 and 10 from the fluid hose (6). See Fig. 3.
- 2. Lay the end of the hose on a flat surface and cut the PTFE inner hose layer (G) to the 4.375 in. (111 mm) dimension shown in Fig. 4.
- 3. Using the end of a knife, pry underneath the conductive hose layer (F) and cut through it. Take hold of the split edge of the conductive layer and peel it back in a spiral motion to the 0.30 in. (7.6 mm) dimension shown in Fig. 4.

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Do not cut into or damage the the PTFE inner hose layer (G). Nicks or cuts in the inner layer will weaken the dielectric strength of the hose and cause premature hose failure.

#### KEY- Fig. 3

- Barbed Insert 1
- 2 Fitting 3
- O-Ring
- 4 O-Ring 5 Ferrule Nut
- 6 Fluid Hose

- 7 Hose Ferrule 8
- Ferrule Housing 9 Fitting Bracket
- 10 Nut
- 17 O-Ring



#### Fig. 3

- KEY- Fig. 4
- Outer Hose Jacket F
- Conductive Hose Layer F
- G Inner Hose Layer
- 1 4.375 in. (111 mm)
- 2 0.30 in. (7.6 mm)



## **Conversion Procedure for Series B Gun**

- Apply a light coat of dielectric grease (part no. 217–115, supplied with the Series B gun) to the barbs of the fitting (22). Insert the barbed fitting into the hose end and press it until it bottoms out. See Fig. 5.
- 5. Install the three o-rings (23) in the grooves on the outside of the barbed fitting (22). Apply a light coat of dielectric grease to the o-rings and the entire length of the inner hose layer (G).
- 6. Insert the hose (6) into the gun hose ferrule housing (K). See Fig. 6.
- Push the hose firmly through the fluid inlet tube (L) until the o-rings on the hose barbed fitting are seated and the hose bottoms out.
- Tighten the hose ferrule (J) firmly with a wrench to about 50 in-lb (5.6 N•m). Pull back on the hose to make sure it is secure. If not, disconnect the hose and inspect it for damage. Check the hose connection periodically for signs that the hose is loosening.

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If the hose comes loose from the fitting, fluid leakage will occur. Make sure the hose ferrule (J) is tight and that nothing will pull or catch on the hose during operation.

9. Connect the other end of the hose to the isolated fluid supply as instructed in the system manual.

#### KEY- Fig. 5

 Apply a light coat of dielectric grease to the o-rings (23) and the entire length of the inner hose layer (G)



#### KEY- Fig. 6

- 6 Graco Waterborne
- Fluid Hose J Hose Ferrule
- L Fluid Inlet Tube
- 1 Torque to 50 in-lb (5.6 N•m)
- K Hose Ferrule Housing



## **Fluid Hose Assembly Parts**

#### 

#### EQUIPMENT MISUSE HAZARD

Use only genuine Graco replacement parts. Using non-Graco parts could alter the gun's grounding continuity or cause parts to rupture or fail, which could result in a serious injury and property damage.

#### Ref.

No.	Part No.	Description	Qty.
1	186–052	INSERT, barbed	1
2	180–553	FITTING, male	1
3	110–749	O-RING; Viton <sup>®</sup>	1
4	110–736	O-RING; Viton	1
5	107–208	NUT, ferrule	1
6	185–918	HOSE, fluid; 25 ft (7.6 m)	
		Part No. 223–192 ONLY	1
	185–919	HOSE, fluid; 36 ft (11 m)	
		Part No. 223–193 ONLY	1
	185–920	HOSE, fluid; 50 ft (15.3 m)	
		Part No. 223–194 ONLY	1

7 185–549 FERRULE, hose 2   8 185–547 HOUSING, ferrule 2   9 185–566 BRACKET, fitting 1   10 185–548 NUT; 5/8–24 UNEF-2B 2   11 185–972 PLATE, fitting 1   12 185–971 PLATE, fitting 1   13 100–021 SCREW, hex; 1/4-20 UNC-2A x 1" 5   14 102–025 NUT, hex; 1/4-20 6   15 154–636 WASHER 1   16 112–480 CONNECTOR; 3/8-18 npt(f) 1   17 103–337 O-RING; Viton 1   22 190–143 FITTING, barb; not shown–sent unassembled 1   23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3	Ref. No.	Part No.	Description	Qty.
8 185–547 HOUSING, ferrule 2   9 185–566 BRACKET, fitting 1   10 185–548 NUT; 5/8–24 UNEF-2B 2   11 185–972 PLATE, fitting 1   12 185–971 PLATE, fitting 1   13 100–021 SCREW, hex; 1/4-20 UNC-2A x 1" 5   14 102–025 NUT, hex; 1/4-20 6   15 154–636 WASHER 1   16 112–480 CONNECTOR; 3/8-18 npt(f) 1   17 103–337 O-RING; Viton 1   22 190–143 FITTING, barb; not shown–sent unassembled 1   23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3	7	185–549	FERRULE, hose	2
9 185–566 BRACKET, fitting 1   10 185–548 NUT; 5/8–24 UNEF-2B 2   11 185–972 PLATE, fitting 1   12 185–971 PLATE, fitting 1   13 100–021 SCREW, hex; 1/4-20 UNC-2A x 1" 5   14 102–025 NUT, hex; 1/4-20 6   15 154–636 WASHER 1   16 112–480 CONNECTOR; 3/8-18 npt(f) 1   17 103–337 O-RING; Viton 1   22 190–143 FITTING, barb; not shown–sent unassembled 1   23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3	8	185–547	HOUSING, ferrule	2
10 185–548 NUT; 5/8–24 UNEF-2B 2   11 185–972 PLATE, fitting 1   12 185–971 PLATE, fitting 1   13 100–021 SCREW, hex; 1/4-20 UNC-2A x 1" 5   14 102–025 NUT, hex; 1/4-20 6   15 154–636 WASHER 1   16 112–480 CONNECTOR; 3/8-18 npt(f) 1   17 103–337 O-RING; Viton 1   22 190–143 FITTING, barb; not shown–sent unassembled 1   23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3	9	185–566	BRACKET, fitting	1
11 185–972 PLATE, fitting 1   12 185–971 PLATE, fitting 1   13 100–021 SCREW, hex; 1/4-20 UNC-2A x 1" 5   14 102–025 NUT, hex; 1/4-20 6   15 154–636 WASHER 1   16 112–480 CONNECTOR; 3/8-18 npt(f) 1   17 103–337 O-RING; Viton 1   22 190–143 FITTING, barb; not shown–sent unassembled 1   23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3	10	185–548	NUT; 5/8–24 UNEF-2B	2
12 185–971 PLATE, fitting 1   13 100–021 SCREW, hex; 1/4-20 UNC-2A x 1" 5   14 102–025 NUT, hex; 1/4-20 6   15 154–636 WASHER 1   16 112–480 CONNECTOR; 3/8-18 npt(f) 1   17 103–337 O-RING; Viton 1   22 190–143 FITTING, barb; not shown–sent unassembled 1   23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3	11	185–972	PLATE, fitting	1
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15 154–636 WASHER 1   16 112–480 CONNECTOR; 3/8-18 npt(f) 1   17 103–337 O-RING; Viton 1   22 190–143 FITTING, barb; not shown-sent unassembled 1   23 111–450 O-RING; fluoroelastomer; not shown-sent unassembled 3	14	102–025	NUT, hex; 1/4-20	6
16   112–480   CONNECTOR; 3/8-18 npt(f)   1     17   103–337   O-RING; Viton   1     22   190–143   FITTING, barb; not shown–sent unassembled   1     23   111–450   O-RING, fluoroelastomer; not shown–sent unassembled   3	15	154–636	WASHER	1
17 103–337 O-RING; Viton 1   22 190–143 FITTING, barb; not shown–sent unassembled 1   23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3	16	112–480	CONNECTOR; 3/8-18 npt(f)	1
22 190–143 FITTING, barb; not shown-sent unassembled 1   23 111–450 O-RING, fluoroelastomer; not shown-sent unassembled 3	17	103–337	O-RING; Viton	1
unassembled 1 23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3	22	190–143	FITTING, barb; not shown-sent	
23 111–450 O-RING, fluoroelastomer; not shown–sent unassembled 3			unassembled	1
not shown–sent unassembled 3	23	111–450	O-RING, fluoroelastomer;	
			not shown–sent unassembled	3

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