

INSTRUCTIONS-PARTS LIST

KEEP FOR REFERENCE



307-696

Rev. G

Supersedes Rev. F

First choice when
quality counts.™

Solenoid Valve and Ready Light Kit

1500 psi (10.3 MPa, 103 bar) Maximum Working Pressure

Part No. 218-588

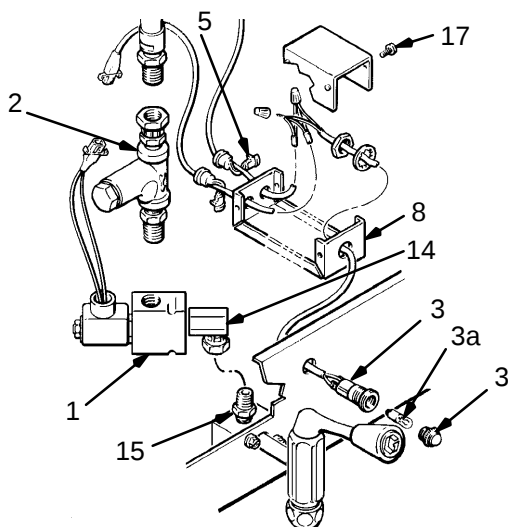


Fig. 1: Kit Parts Used in a Dispense Bar

Parts

Ref. No.	Part No.	Description	Qty.
1	215-487	SOLENOID VALVE, 24VDC, 2-way, normally closed, 1/2 npt	1
2	240-417	STRAINER	1
3	239-019	LIGHT, indicator; includes replaceable item 3a	1
3a	113-859	• LAMP, miniature; 28V; Type 1820; bayonet base; T - 3 1/4 size	1
4	167-373	JUNCTION BOX, hose reel (not used in oil bar)	1
5	102-487	BUSHING, strain relief	2
6	101-904	GROMMET	3
7	107-450	CLIP, wire, push mount	3
8	167-423	JUNCTION BOX, ready light	1
9	100-518	SCREW, machine, pan head	1
10	100-698	SCREW, machine	1
11	100-272	LOCKWASHER	1
12	100-072	NUT, hex	1
14	161-037	UNION, swivel, 90° (not used in hose reel)	1
15	162-485	NIPPLE, 3/8 npt x 3/8 npsm (not used in hose reel)	1
17		SCREW, tapping; Type B; thread forming; No. 6 x 0.188" long	1

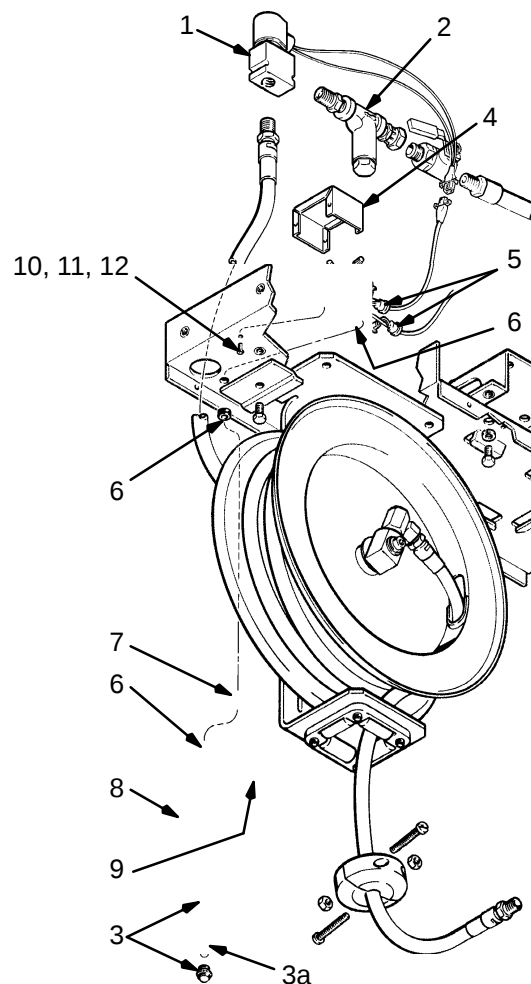


Fig. 2: Kit Parts Used in an Enclosed Reel

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Installation

Shut off the power to the pumps, and open each dispensing valve to relieve fluid pressure. Disconnect the hose reel inlet hose (A) from the main supply line (B), or disconnect the oil bar supply line from the dispensing valve.

Mount the Solenoid Valve

Hose Reel

1. Install the solenoid valve (1), line strainer (2), and an accessory fluid shutoff valve (C) as shown in Fig. 3. The fluid shutoff valve is needed to isolate the reel during repair or cleaning procedures.
2. Connect the main supply line (B) and inlet hose (A).
3. Press the push mount clips (7) into the reel pedestal holes with all open edges of the clips facing the same way. See Detail A in Fig. 3.
4. Install one grommet (6) in hole (D) of the reel mounting base and one in hole (E) of the ready light junction box (*one hole in the box is not used*).
5. *For an enclosed reel*, remove the plug (F) from the reel enclosure cap. See Fig. 4. Install the ready light (3) as shown in Fig. 4, and secure it on the other side of the cap with the lockwasher (G) and nut (H).
6. *For an open reel*, drill a hole in the reel pedestal using the dimensions shown in Detail A in Fig. 3. Secure one-half of the light box (8) to the pedestal with the pan-head screw (9). Install a grommet (6) in the small hole of the other box half. Install the light as shown, and secure it with the lockwasher (G) and nut (H). Push the two box halves together, and secure them with the screw (17).
7. *For all reels*, guide the ready light leads through the open edges of the push mount clips (7) and through the grommets in the mounting base and reel junction box. See Detail A in Fig. 3.

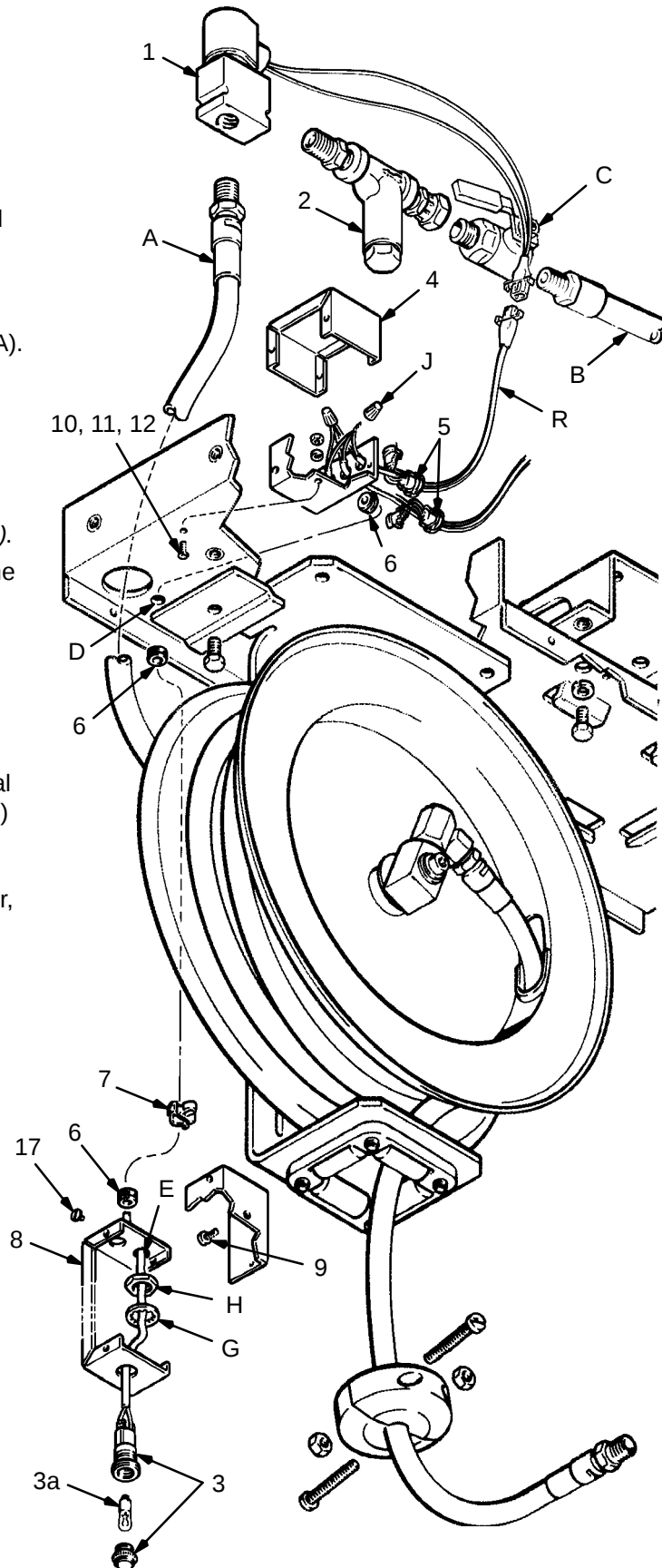
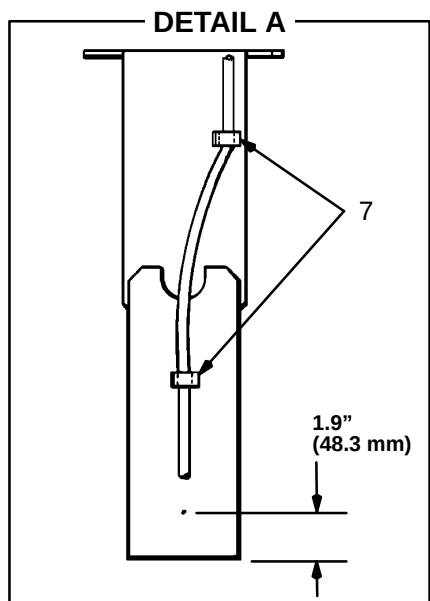


Fig. 3

Installation

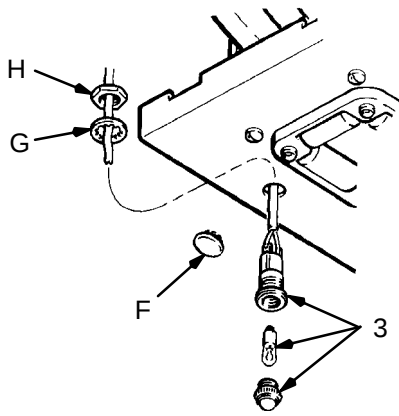


Fig. 4

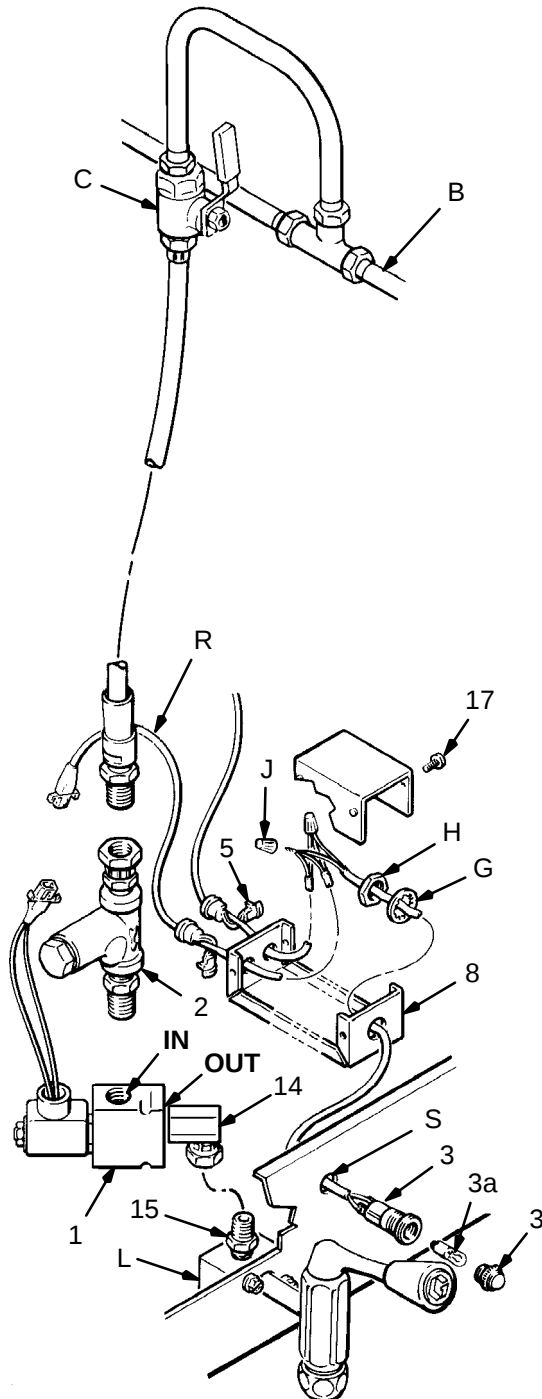


Fig. 5

Oil Dispense Bar

1. Screw the swivel adapter out of the manifold (L), and install the nipple (15) in its place. See Fig. 5.
2. Screw the 90° swivel adapter (14) into the solenoid valve (1) outlet. Screw the 90° swivel adapter onto the nipple (15).
3. Install the line strainer (2) and an accessory shutoff valve (C). The fluid shutoff valve is needed to isolate the dispensing valve for repair or cleaning.
4. Reconnect the main supply line as shown in Fig. 5.
5. Push the plug out of the hole (S) in the oil bar. Install the ready light (3) and the light box (8) as shown in Fig. 5. Secure the light inside the box with the lockwasher (G) and nut (H).

Electrical Connections

1. Cut the electrical cable (R) at the desired point; be sure to leave enough cable to connect to the solenoid valve after splicing the cable wires with the wires in the junction box.
2. Remove about 1/4 in. (6 mm) of wire sheath from each cut end. Feed each cut end through a strain relief bushing (5) and through a hole in the junction box. See Fig. 3 or 5.
3. Twist together the three black leads, and secure them with a wire nut (J). Do the same with the three remaining leads.
4. Press together the strain relief bushings, and push them into the junction box holes.
5. *For hose reels only*, attach the junction box (4) to the mounting base with the screw, lockwasher, and nut (10, 11, and 12). See Fig. 3.
6. Connect the electrical cable (R) to the solenoid valve connector as shown in Fig. 3 and 5.

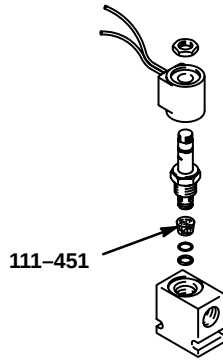
Maintenance

To replace the lamp of the ready light, unscrew the green lens. Push in on the lamp, and turn it counterclockwise to remove it. Install a 28V, type 1820 bayonet base, size T-3 1/4 miniature lamp. If the new lamp does not light, check the wiring connections and the socket connections of the ready light.

Accessories

Solenoid Valve Strainer 111-451

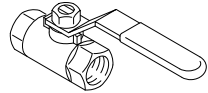
Replacement strainer for solenoid valve 215-487.



Shut-off Valve 108-458

2000 psi (133 bar) Maximum Working Pressure

1/2 npt(f), carbon steel



Manual Change Summary

This manual went from Rev. F to Rev. G to change the strainer (Ref. No. 2) from Part No. 204-999 to Part No. 240-417.

Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:
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PRINTED IN U.S.A. 307-696 May 1985, Revised December 1997