

Lube Ranger Components

306345 Rev.T

For factory-built and job-planned Lube Rangers.



Important Safety Instructions.

Read all warnings and instructions in this manual.
Save these instructions.

WARNING

To reduce the risk of serious bodily injury, including splashing of fluid in the eyes or on the skin and injury from moving parts, *ALWAYS* follow the **pressure relief procedure** in the separate pump manual before you install any of these components, and before you remove components when you change drums.

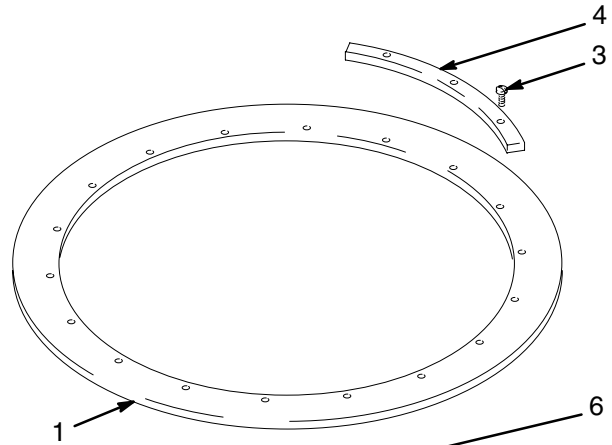
PROVEN QUALITY. LEADING TECHNOLOGY.

Parts Drawings and Lists

Model 223845 Follow Plate

For 400-lb drum size 50:1 and 15:1 Fire-Ball® pumps

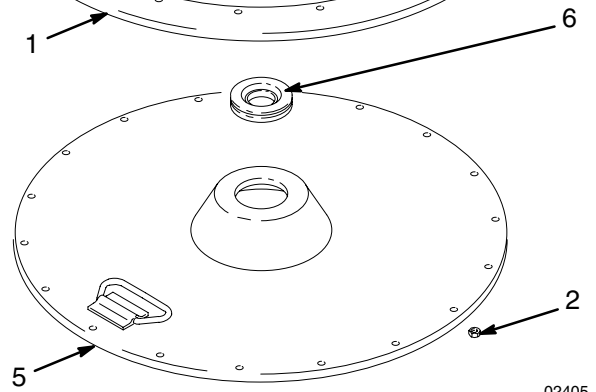
Ref.	No.	Part No.	Description	Qty.
	1	186463	WIPER 1	
	2	102040	NUT, lock; 1/4"-20	18
	3	100377	SCREW, mach, pnh; 1/4"-20 x 5/8"	18
	4	161288	RETAINER, barrel	6
	5	224025	PLATE, follow	1
	6	186104	GROMMET, follow plate	1



Model 223846 Follow Plate

For 400-lb drum size 50:1 President® pump

Ref.	No.	Part No.	Description	Qty.
	1	186463	WIPER 1	
	2	102040	NUT, lock; 1/4"-20	18
	3	100377	SCREW, mach, pnh; 1/4"-20 x 5/8"	18
	4	161288	RETAINER, barrel	6
	5	224025	PLATE, follow	1
	6	158339	GROMMET, follow plate	1



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Parts Drawings and Lists

Model 220653 Follow Plate

For 35-lb pail size 50:1 Fire-Ball® pump

Ref. No.	Part No.	Description	Qty.
1	183241	WIPER	1
2	183245	SPRING, retaining	1
3	183242	PLATE, follow	1
4	186104	GROMMET, follow plate	1
5	103833	SCREW, machine; bnd-hd; 10-32 x 0.375" long	8
6	108714	PIN, clevis	1
7	220651	PLATE, wiper	1

Model 220654 Follow Plate

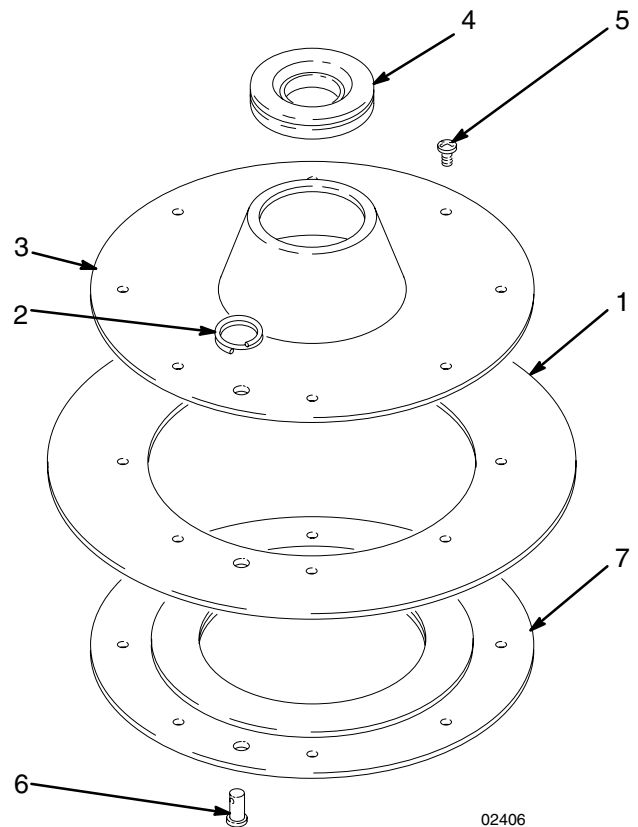
For 120-lb drum size 50:1 and 15:1 Fire-Ball® pumps

Ref. No.	Part No.	Description	Qty.
1	183243	WIPER	1
2	183245	SPRING, retaining	1
3	185968	PLATE, follow	1
4	186104	GROMMET, follow plate	1
5	103833	SCREW, machine; bnd-hd; 10-32 x 0.375" long	8
6	108714	PIN, clevis	1
7	220652	PLATE, wiper	1

Model 223344 Follow Plate

For 120-lb drum size 50:1 President® pump

Ref. No.	Part No.	Description	Qty.
1	183243	WIPER	1
2	183245	SPRING, retaining	1
3	185968	PLATE, follow	1
4	158339	GROMMET, follow plate	1
5	103833	SCREW, machine; bnd-hd; 10-32 x 0.375" long	8
6	108714	PIN, clevis	1
7	220652	PLATE, wiper	1



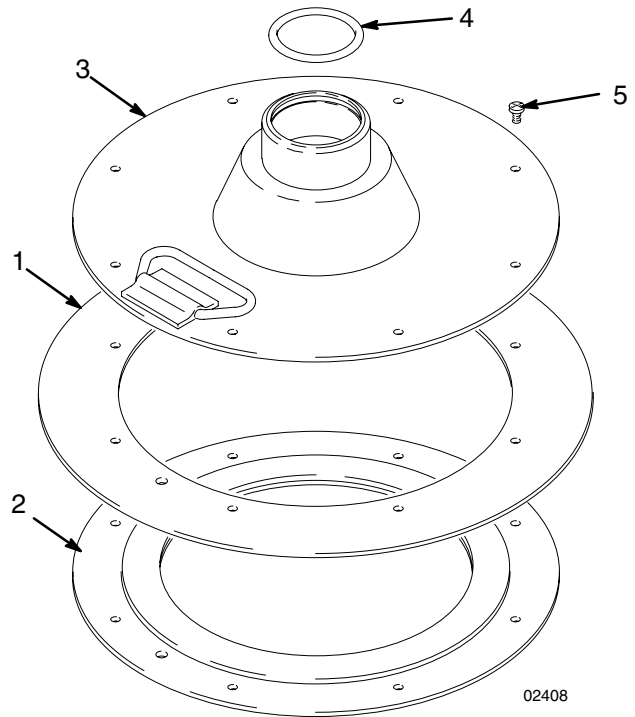
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Parts Drawings and Lists

Model 223700 Follow Plate

For 120-lb drum size 5:1 Dyna-Star™ pump

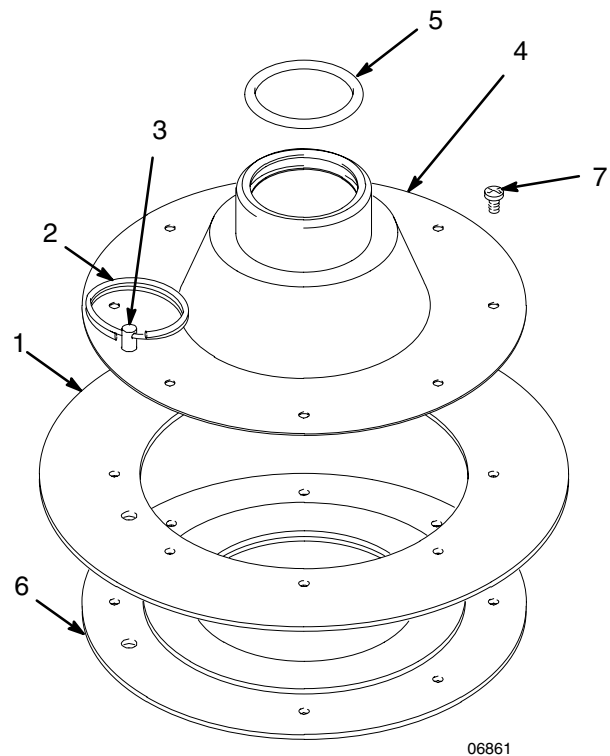
Ref. No.	Part No.	Description	Qty.
1	183243	WIPER	1
2	220652	PLATE, wiper	1
3	223831	PLATE, follow	1
4	159846	O-RING, nitrile rubber	1
5	103833	SCREW, mach, bdgh; 10-32 UNF-2A x 0.375" long	8



Model 224916 Follow Plate

For 35-lb drum size 5:1 Dyna-Star™ pump

Ref. No.	Part No.	Description	Qty.
1	183241	WIPER	1
2	183245	SPRING, retaining	1
3	108714	PIN, clevis	1
4	224917	PLATE, follow	1
5	159846	O-RING, nitrile rubber	1
6	220651	PLATE, wiper	1
7	103833	SCREW, machine; bnd-hd; 10-32 x 0.375" long	8

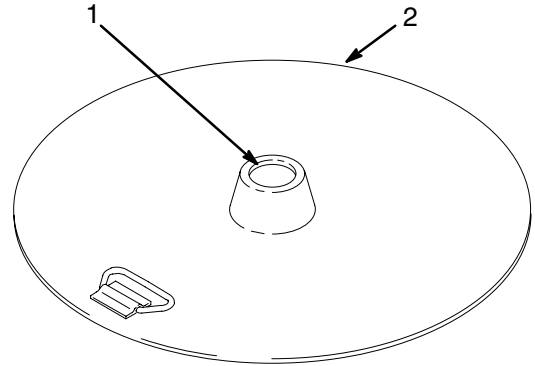


Parts Drawings and Lists

Model 204130 Follow Plate

For 400-lb drum size 50:1 and 15:1 Fire-Ball® pumps

Ref. No.	Part No.	Description	Qty.
1	160848	GROMMET, follow plate; for 1.25" (31.8 mm) tube	1
2	204129	FOLLOW PLATE, bare	1



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Model 205337 Follow Plate

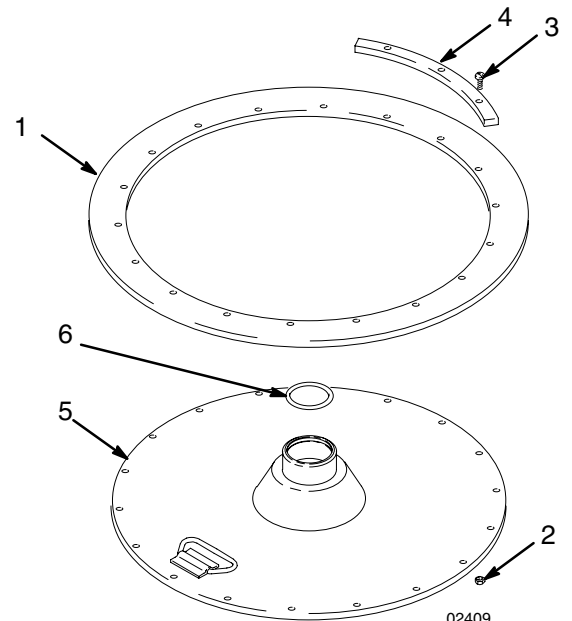
For 400-lb drum size 50:1 President® pump

Ref. No.	Part No.	Description	Qty.
1	158339	GROMMET, follow plate; for 1.625" (41.3 mm) tube	1
2	205338	FOLLOW PLATE, bare	1

Model 223701 Follow Plate

For 400-lb drum size 5:1 Dyna-Star™ pump

Ref. No.	Part No.	Description	Qty.
1	186463	WIPER	1
2	102040	NUT, lock; 1/4"-20	18
3	100377	SCREW, mach, pnh; 1/4"-20 UNC-2A x 5/8"	18
4	161288	RETAINER, barrel	6
5	223832	PLATE, follow	8
6	159846	O-RING, nitrile rubber	1



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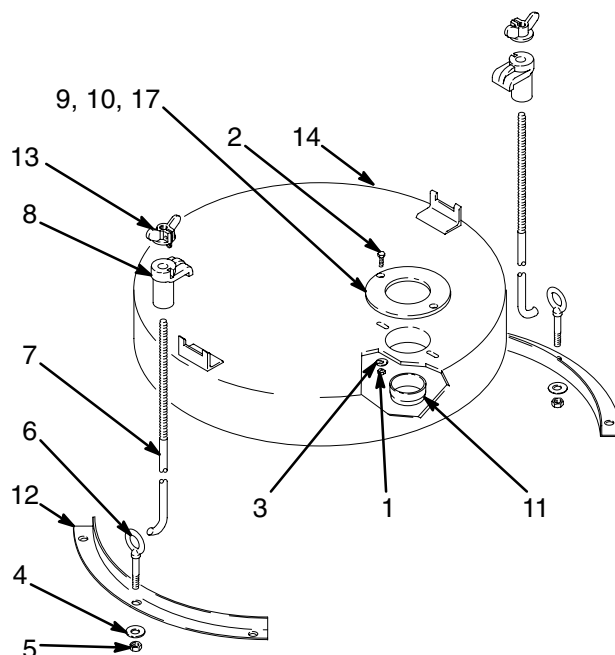
Parts Drawings and Lists

Model 206586

Bung Drum Cover and Hold-Down Rods

For 400-lb drum, 5:1 Fire-Ball® pump, and 10:1 President® pump

Ref. No.	Part No.	Description	Qty.
1	100015	NUT, hex; 1/4"-20 (<i>not shown</i>)	2
2	100021	SCREW, hex hd cap; 1/4"-20 x 1" (<i>not shown</i>)	2
3	100527	WASHER, wrought steel, 1/4"	2
4	100696	WASHER, wrought steel; 7/16"	2
5	101213	NUT, hex; 7/16"-14	2
6	102280	BOLT, special eye; 7/16"-14	2
7	153058	ROD, hold-down; 400 lb drum length	2
8	153166	BRACKET, cover hold-down	2
9	161023	GASKET; cellulose fiber (<i>for Fire-Ball pump</i>)	1
10	161096	GASKET; cellulose fiber (<i>for President pump</i>)	1
11	166437	GROMMET; rubber, 2" npt bung	1
12	166438	LOCATER, drum	2
13	200889	WING NUT ASSY	2
14	206643	DRUM COVER, bare	1
15	207361	TIE ROD KIT (Includes 4 to 8, 12, and 13)	1
16	207367	COVER ASSY (Includes 1 to 3, 9 to 11, 14, and 17)	1
17	192658	GASKET; cellulose fiber (<i>for President pump</i>)	1



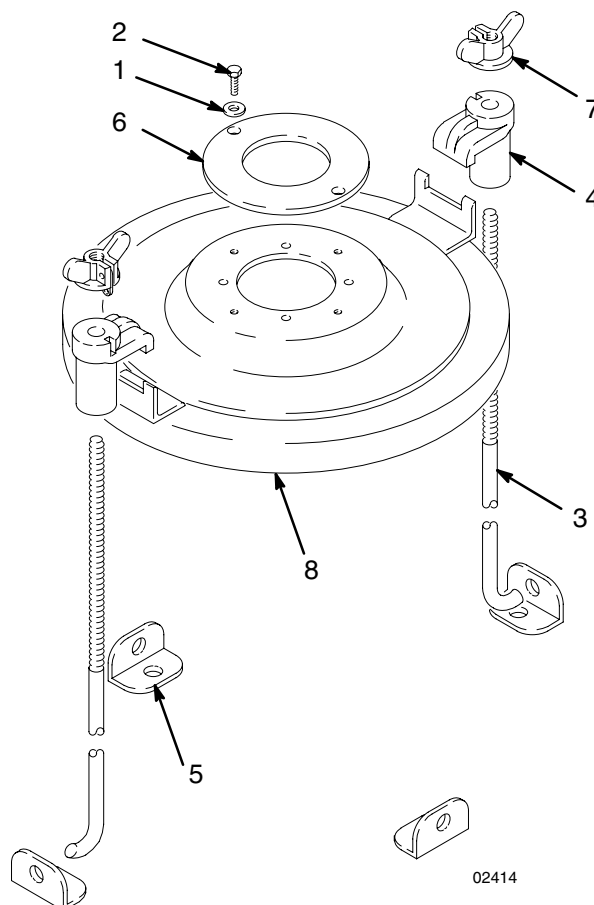
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Model 204269

Open Drum Cover and Hold-Down Rods

For 120-lb drum, and 50:1 and 15:1 Fire-Ball® pumps

Ref. No.	Part No.	Description	Qty.
1	100016	LOCKWASHER, spring; 1/4"	2
2	100021	SCREW, hex hd cap; 1/4"-20 x 1" (<i>not shown</i>)	2
3	153102	ROD, hold-down	2
4	153166	BRACKET, cover hold-down	2
5	159016	ANCHOR, base	4
6	161023	GASKET, cellulose fiber (<i>for Fire-Ball pump</i>)	1
7	200889	WING NUT ASSY	2
8	204193	DRUM COVER, bare	1
9	222061	HOLD-DOWN KIT (Includes 3 to 5 and 7)	1
10	222060	COVER ASSEMBLY (Includes 1, 2, 6, and 8)	1



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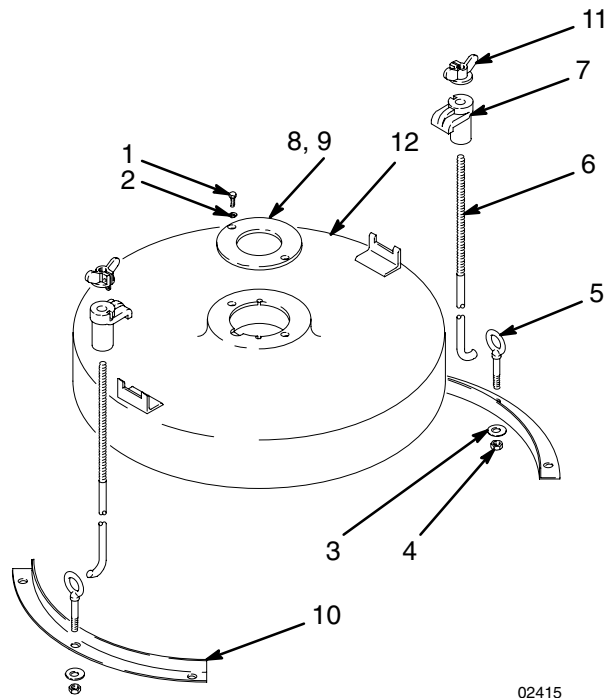
Parts Drawings and Lists

Model 204273

Open Drum Cover and Hold-Down Rods

For 400-lb drum, 5:1 Fire-Ball® pump, and 10:1 President® pump

Ref. No.	Part No.	Description	Qty.
1	100016	LOCKWASHER, spring; 1/4"	2
2	100021	SCREW, hex hd cap; 1/4"-20 x 1" (not shown)	2
3	100696	WASHER, wrought steel; 7/16"	2
4	101213	NUT, hex; 7/16"-14	2
5	102280	BOLT, special eye; 7/16"-14	2
6	153058	ROD, hold-down; 400 lb drum length	2
7	153166	BRACKET, cover hold-down	2
8	161023	GASKET; cellulose fiber (for Fire-Ball pump)	1
9	161096	GASKET; cellulose fiber (for President pump)	1
10	166438	LOCATER, drum	2
11	200889	WING NUT ASSY	2
12	206636	DRUM COVER, bare	1
13	207361	TIE ROD KIT (Includes 3 to 7, 10, and 11)	1
14	207366	COVER ASSY (Includes 1, 2, 8, 9, and 12)	1

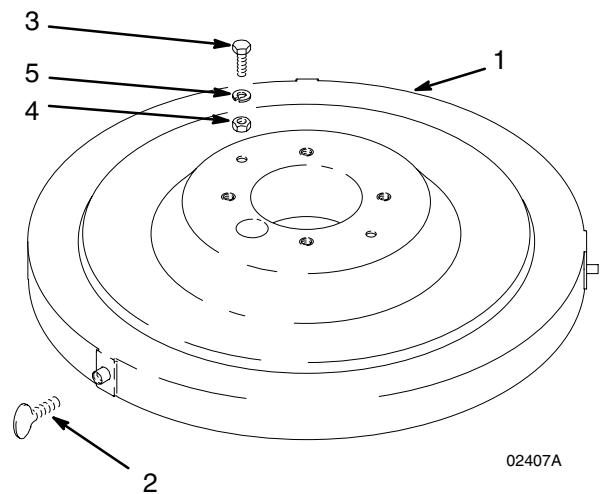


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Model 204574 Drum Cover

For 120-lb drum; 50:1, 15:1, and 5:1 Fire-Ball® pumps; 10:1 and 50:1 President® pumps; and 1:1 and 5:1 Dyna-Star™ pumps

Ref. No.	Part No.	Description	Qty.
1	191746	DRUM COVER, painted	1
2	101518	THUMBSCREW; 5/16"-18 x 1.5" long	3
3	100022	SCREW, pump mounting; hex hd cap; 1/4"-20 x 3/4"	2
4	100015	NUT, hex; 1/4"-20	2
5	100016	LOCKWASHER, spring; 1/4"	2



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Graco Standard Warranty

Graco warrants all equipment manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

Graco makes no warranty, and disclaims all implied warranties of merchantability and fitness for a particular purpose in connection with accessories, equipment, materials or components sold but not manufactured by Graco. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

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Graco Information

TO PLACE AN ORDER, contact your Graco distributor, or call one of the following numbers to identify the distributor closest to you:

1-800-533-9655 Toll Free

612-623-6928

612-378-3590 Fax

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