

Instructions



Dyna-Star[®] HP, HF, 10:1 Pumps: 120# and 400# Drum Cover and Follower Plate

312738D

EN

Drum Cover and Follower Plate for use with Dyna-Star 10:1, HP, or HF Pumps. For professional use only.

<p>To reduce the risk of serious bodily injury, including splashing 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 when you change the drum.</p>						



Important Safety Instructions

Read all warnings and instructions in this manual and in the Dyna-Star Pump HP, HF or 10:1 instruction manual. Save all instructions.

Drum Cover Models

Model Number	Compatible Refinery Drum Size	Compatible Dyna-Star Pump		
		10:1	HP	HF
247443	120 lb.	247443	NA	NA
247704	400 lb.	247450	NA	NA
77X514	120 lb.	NA	77X002	77X015
77X515	400 lb.	NA	77X003	77X016

Follower Plate Models

Model Number	Compatible Refinery Drum Size	Compatible Dyna-Star Pump		
		10:1	HP	HF
247701	120 lb.	247443	NA	77X015, 77X121
247702	400 lb.	247450	NA	77X016, 77X122
77X511	120 lb.	NA	77X002, 77X111	NA
77X512	400 lb.	NA	77X003, 77X112	NA

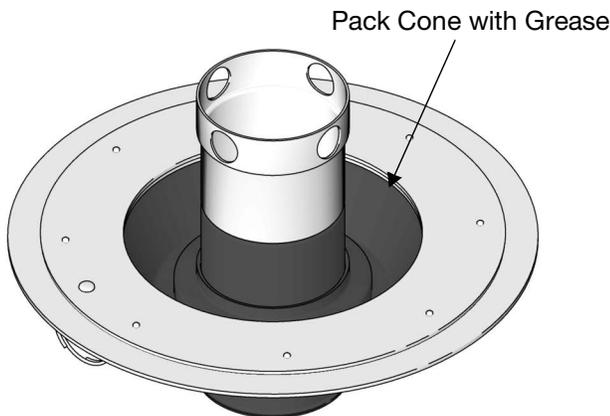
Follower Plate Installation

Instructions

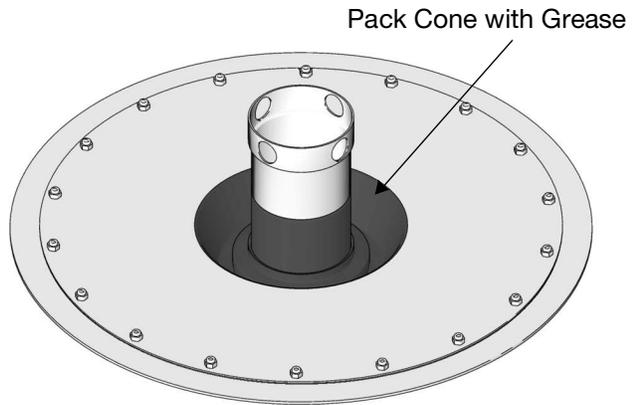
NOTE: Before the follower plate is installed in the drum of grease, pack cone with grease.



1. Relieve pressure using the Pressure Relief Procedure in your separate pump manual.
 2. Remove pump.
 3. Pack grease into follower plate cone (FIG. 1).
 4. Press follower plate, cone side up, into grease and firmly press on it to remove all air pockets
- NOTE:** See Parts, page 5 and 6 for illustrations showing cone side up position.
5. Push down on follower plate cylinder (6) until grease starts to appear in pump opening at follower plate grommet (11). See Parts, pages 5 and 6.
 6. Reinstall pump and drum cover (See Drum Cover Installation, page 3).
 7. Prime pump.



**247701 and 77X511
120# Reservoir Follower Plate**



**247702 and 77X512
400# Reservoir Follower Plate**

FIG. 1

Drum Cover Installation

1. HP and HF Models Only: Remove bolts (128) and shroud (126) from pump.

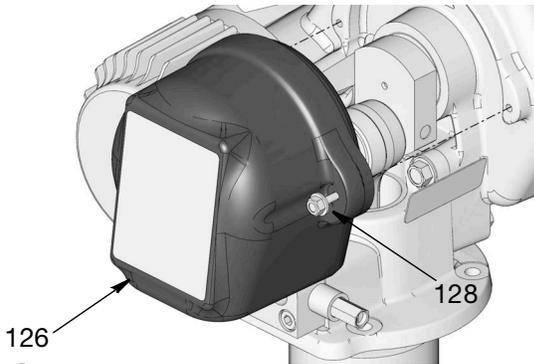
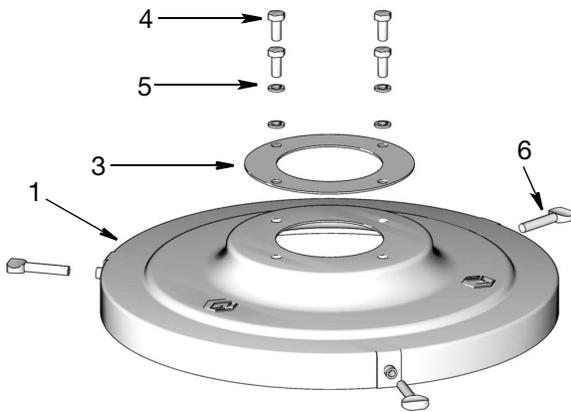


FIG. 2

2. Remove screws (4) and washers (5) from drum cover (1) (FIG. 3). Save these parts. They will be reused to secure the pump to the drum cover for reassembly.

247703 and 77X514 - 120 pound model



247704 and 77X515 - 400 pound models

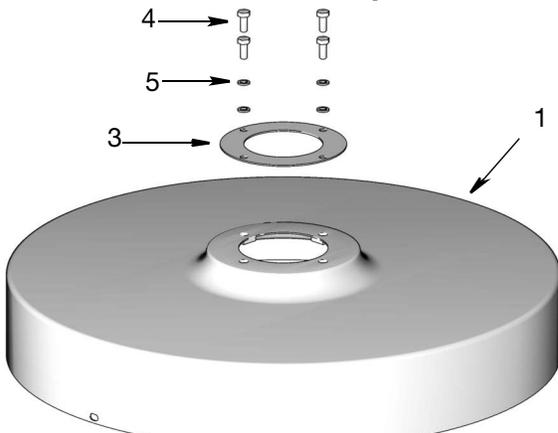


FIG. 3

3. Place drum cover (1) on drum (a). For 120 pound models only, tighten thumb screws (6) securely (FIG. 3).



FIG. 4: 120 Pound Cover Shown

4. HP and HF Models Only: Remove and discard protective cap (b) from end of pump down tube (208) (FIG. 5).

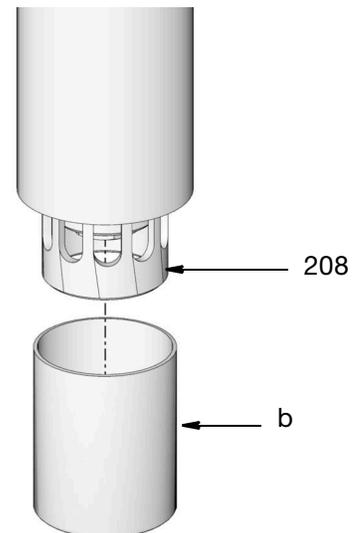


FIG. 5

5. Verify gasket (3) is in place on top the drum cover and laying flat (FIG. 3, page 3). Install pump down tube through opening in the center of the gasket (3) and drum cover (1) and into drum.

6. Align holes in pump base with holes in drum cover (1) (FIG. 6). Securely fasten pump to drum cover using screws (4) and washers (5) removed in Step 2, page 3. Torque screws (4) to 28 +/- 3 ft-lbs for HP, HF 120# models.

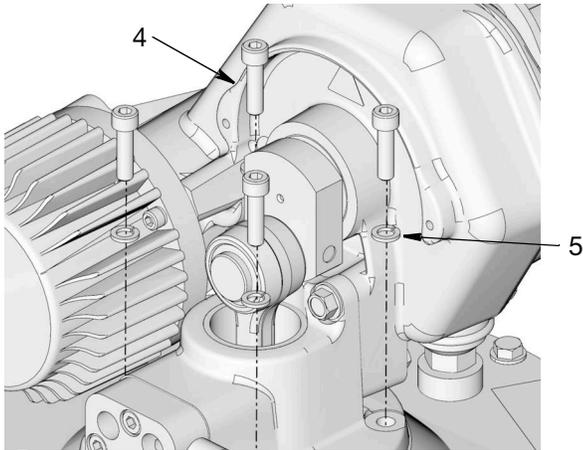


FIG. 6

7. HP and HF Models Only: Reinstall shroud (126) using bolts (128) (FIG. 7). Use a wrench to tighten bolts securely.

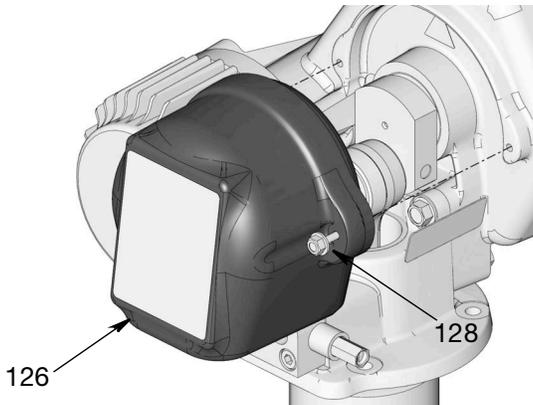
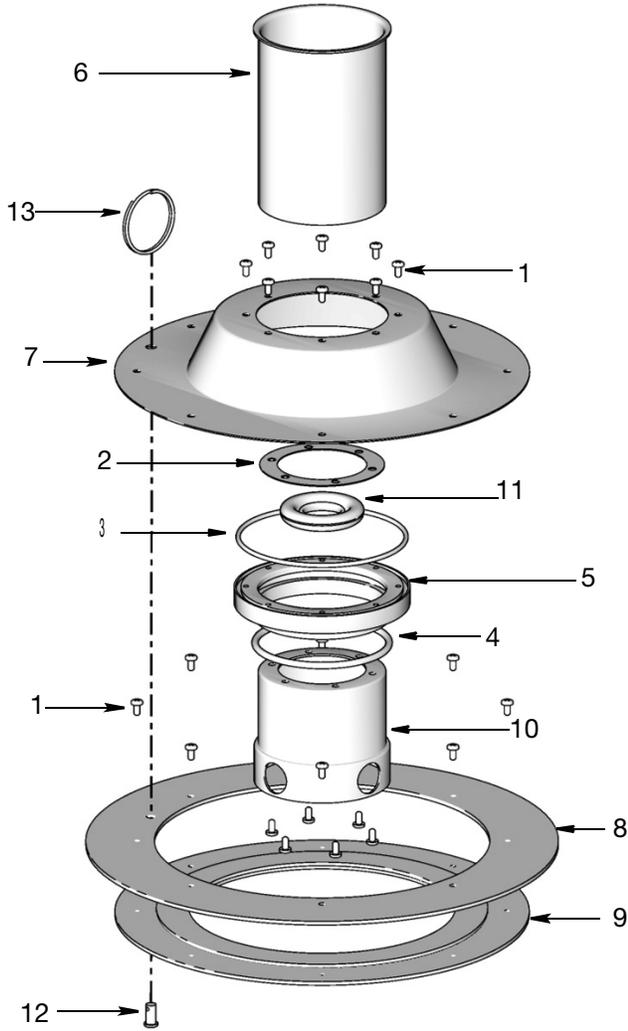


FIG. 7

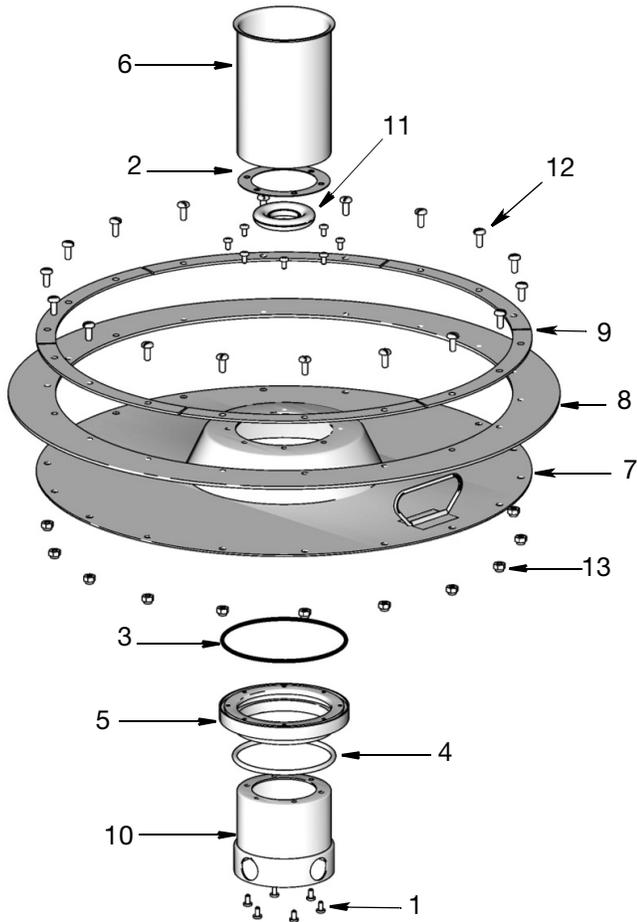
Parts

Part No. 247701 and 77X511, Follower Plate for 120# Reservoirs



Ref. No.	Part No.	Description	Qty
			.
1	103833	SCREW, mach, crbh	22
2	121327	GASKET, cylinder	1
3	121328	O-RING, 251	1
4	121329	O-RING, 345	1
5	15R717	FLANGE, follower plate	1
6	15R719	CYLINDER, follower plate, upper	1
7	121209	PLATE, follower (shown cone side up)	1
8	183243	WIPER	1
9	220652	PLATE, wiper	1
10	15R716	CYLINDER, follower plate, lower	1
11	186104	GROMMET, follower plate, model 247701	1
	16V328	GROMMET, follower plate, model 77X511	1
12	108714	PIN, clevis	1
13	183245	SPRING, retaining	1

Part No. 247702 and 77X512, Follower Plate for 400# Reservoirs

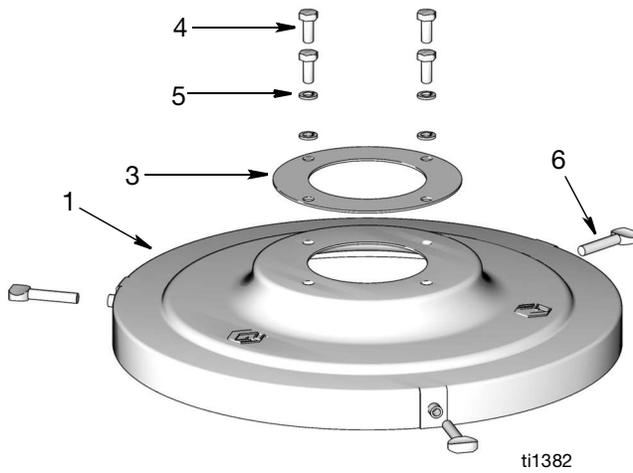


Ref. No.	Part No.	Description	Qty
1	103833	SCREW, mach, crbh	14
2	121327	GASKET, cylinder	1
3	121328	O-RING, 251	1
4	121329	O-RING, 345	1
5	15R717	FLANGE, follower plate	1
6	15R719	CYLINDER, follower plate, upper	1
7	247709	PLATE, follower , upper (shown cone side up)	1
8	186463	WIPER, plate, lower	1
9	161288	RETAINER, barrel	6
10	15R716	CYLINDER, follower plate, lower	1
11	186104	GROMMET, follower plate, model 247702	1
	16V328	GROMMET, follower plate, model 77X512	1
12	100377	SCREW, mach, pnh	18
13	102040	NUT, lock, hex	18

Part No. 247703 and 77X514

Drum Cover for Dyna-Star 120# Grease Pump

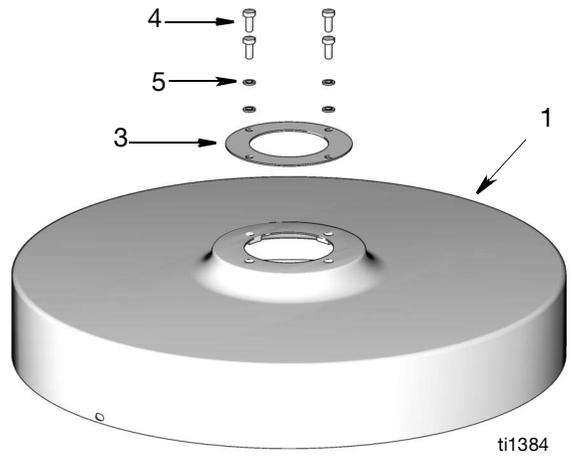
Ref. No.	Part No.	Description	Qty
1		COVER, drum	1
3	15M442	GASKET, pump	1
4	100057	SCREW, cap, hex hd, model 247703	4
	102962	SCREW, cap, model 77X514	4
5	100214	WASHER, lock	4
6	101518	SCREW, thumb	3
7	070148	STRIP, neoprene, sponge, 3-1/2 ft. (not shown)	1



Part No. 247704 and 77X515

Drum Cover for Dyna-Star 400# Grease Pump

Ref. No.	Part No.	Description	Qty
1		COVER, drum	1
3	15M442	GASKET, pump	1
4	100057	SCREW, cap, hex hd, model 247704	4
	102962	SCREW, cap, model 77X515	4
5	100214	WASHER, lock	4



Graco Information

For the latest information about Graco products, visit www.graco.com.

TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.

Phone: 612-623-6928 or **Toll Free:** 1-800-533-9655, **Fax:** 612-378-3590

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.*

For patent information, see www.graco.com/patents.

Original instructions. This manual contains English. MM 312738

Graco Headquarters: Minneapolis

International Offices: Belgium, China, Japan, Korea

GRACO INC. AND SUBSIDIARIES • P.O. BOX 1441 • MINNEAPOLIS MN 55440-1441 • USA

Copyright 2007, Graco Inc. All Graco manufacturing locations are registered to ISO 9001.

www.graco.com

August, 2021