

PARTS LIST

DOCK LEVELER HYDRAULIC CONVERSION KIT



STARTING FROM: NOVEMBER, 2013

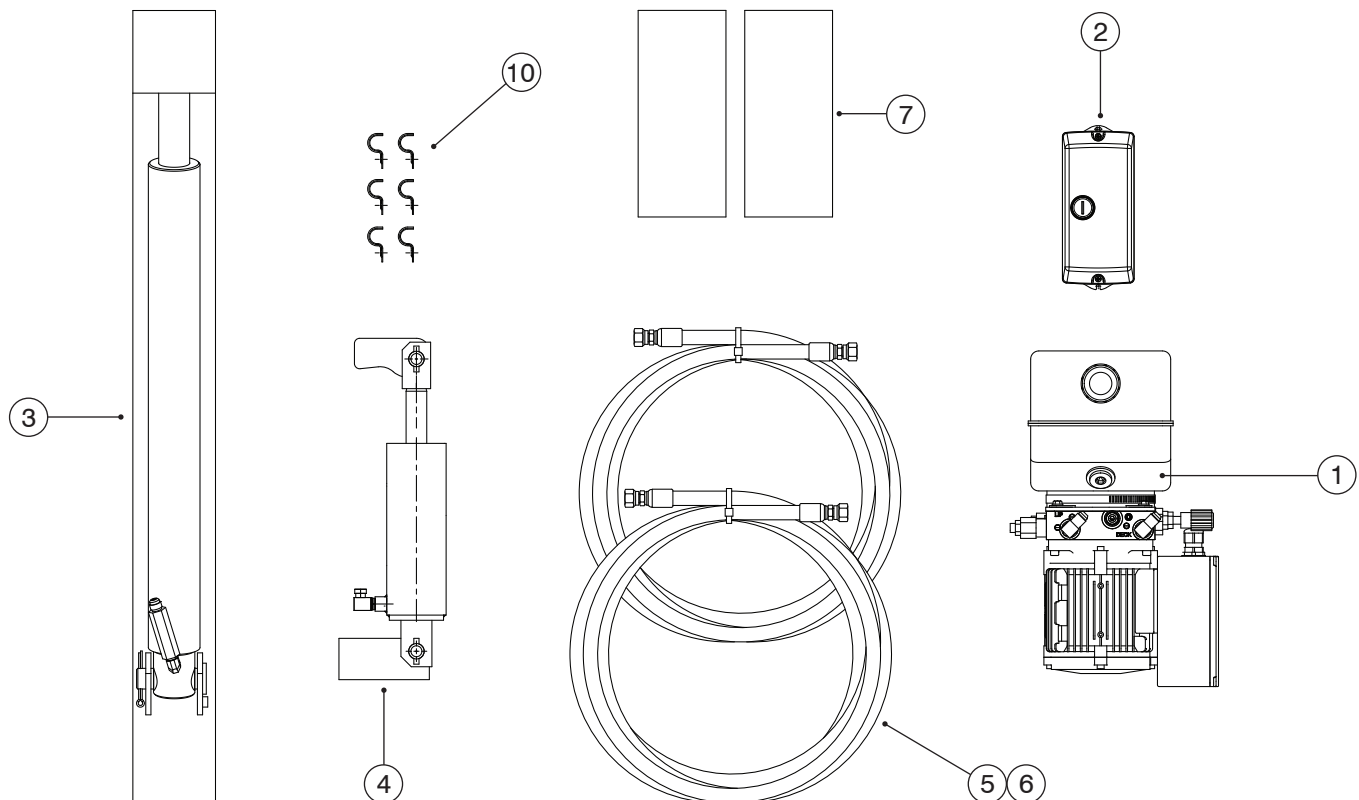
BLUE GIANT®

ISSUE DATE: SEPTEMBER 13, 2017 (PART # 038-703EPL)

MECHANICAL ASSEMBLY

FULLY HYDRAULIC CONVERSION KIT DRAWING			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	See pg. 3	1 HP Power Pack
2	1	See pg. 3	Motor Starter
3	1	21-011819	Cylinder & Bracket Assembly
4	1	709-5001	Lip Cylinder Assembly (6' & 8' Long Dock)
		709-5000-1	Lip Cylinder Assembly (10' & 12' Long Dock)
5	1	788-332-37	Hose, #6 High Pressure to Lip Cyl. (102" Long) (6' & 8' Long Dock Self-Contained PP)
		788-621	Hose, #6 High Pressure to Lip Cyl. (84" Long) (10' & 12' Long Dock Self-Contained PP)
		788-332-2	Hose, #6 High Pressure to Lip Cyl. (318" Long) (6' & 8' Long Dock Remote PP)
		788-332-6	Hose, #6 High Pressure to Lip Cyl. (366" Long) (10' & 12' Long Dock Remote PP)

FULLY HYDRAULIC CONVERSION KIT DRAWING			
ITEM	QTY.	PART NO.	DESCRIPTION
6	1	788-332-37	Hose, #6 High Pressure to Deck Cyl. (64" Long) (6' & 8' Long Dock Self-Contained Power Pack)
		788-621	Hose, #6 High Pressure to Deck Cyl. (132" Long) (10' & 12' Long Dock Self-Contained Power Pack)
		788-332-1	Hose, #6 High Pressure to Deck Cyl. (300" Long) (6' & 8' Long Dock Remote Power Pack)
		788-332-5	Hose, #6 High Pressure to Deck Cyl. (348" Long) (10' & 12' Long Dock Remote Power Pack)
7	2	109-917	Flat Plate
8	2	103-601	Plate Arm
9	6	035-221	1/2" EMT Hole Strap
10	6	035-205	Clamp



MECHANICAL ASSEMBLY CONT'D**PARTS LAYOUT DIAGRAM & PARTS LIST****Complete Hydraulic Conversion Kits for 6' and 8' Long Dock Levelers up to 50,000 lbs. Capacity**

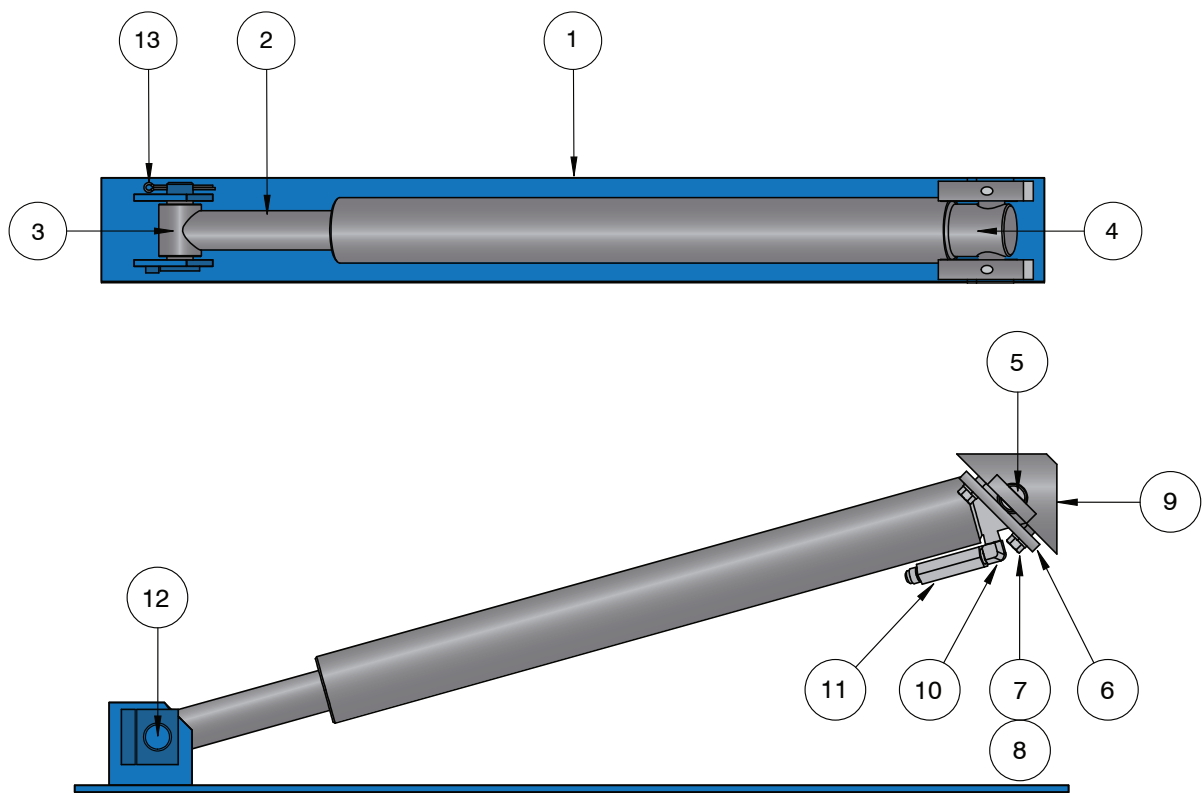
Complete Kit Includes : 1 HP Power Pack, Motor Starter, Deck and Lip Cylinder, Hoses and Hardware

PART NO.	DESCRIPTION
709-5016	115/1/60 Hz Power Pack & Motor Starter (#033-403-1K & 027-006-L) Deck & Lip Cylinder, Hoses & Hardware
709-5016-1	208/1/60 Hz Power Pack & Motor Starter (#033-403-1K & 027-007-L) Deck & Lip Cylinder, Hoses & Hardware
709-5016-1	230/1/60 Hz Power Pack & Motor Starter (#033-403-1K & 027-007-L) Deck & Lip Cylinder, Hoses & Hardware
709-5016-2	208/3/60 Hz Power Pack & Motor Starter (#033-404-1K & 027-008-L) Deck & Lip Cylinder, Hoses & Hardware
709-5016-2	230/3/60 Hz Power Pack & Motor Starter (#033-404-1K & 027-008-L) Deck & Lip Cylinder, Hoses & Hardware
709-5016-3	460/3/60 Hz Power Pack & Motor Starter (#033-404-1K & 027-005-L) Deck & Lip Cylinder, Hoses & Hardware
709-5016-4	575/3/60 Hz Power Pack & Motor Starter (#033-405-1K & 027-009-L) Deck & Lip Cylinder, Hoses & Hardware

Coverion Kit for Self-Contained Power Pack Common Components

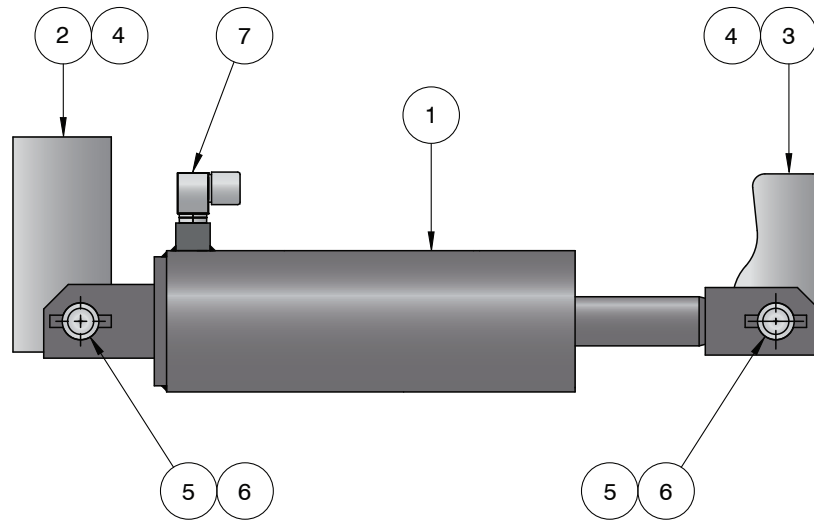
PART NO.	DESCRIPTION
709-5013	6' & 8' Long Docks Common Components
709-5013-1	10' & 12' Long Docks Common Components

CYLINDER AND BRACKET ASSEMBLY



CYLINDER AND BRACKET ASSEMBLY DRAWING			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	21-011812	Bracket Assembly
2	1	788-635-1	2" Cylinder Assembly (for 6' & 8' Long Dock Levelers)
		788-655	2.5" Cylinder Assembly (for 10' & 12' Long Dock Levelers)
3	1	018-018	Bushing 1" x 1 1/8" x 1 1/2"
4	2	018-017	Bushing 1" x 1 1/8" x 1"
5	1	113-202	Cylinder Pin 1" x 3 5/8"

CYLINDER AND BRACKET ASSEMBLY DRAWING			
ITEM	QTY.	PART NO.	DESCRIPTION
6	2	113-096	Pivot Block Top Plate
7	4	010-039	3/8-16 x 1" HHCS
8	4	012-201	3/8" Lock Washer
9	2	21-009365	Cylinder Pivot Block
10	1	034-515	Elbowed Fitting 4 MP - 4 MP - 90
11	1	033-661	Velocity Fuse 5 GPM
12	1	21-011828	Pivot Pin 1" x 3 3/16"
13	1	013-026	Cotter Pin 3/16" x 2 1/4"

LIP CYLINDER ASSEMBLY**LIP CYLINDER ASSEMBLY**

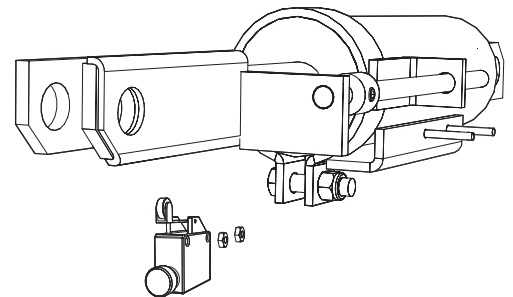
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	788-599-1	Lip Cylinder
2	1	109-918	Rear Lug
3	1	109-074	Lip Lug
4	2	018-001	Bushing 3/4" x 3/4" x 7/8"

LIP CYLINDER ASSEMBLY

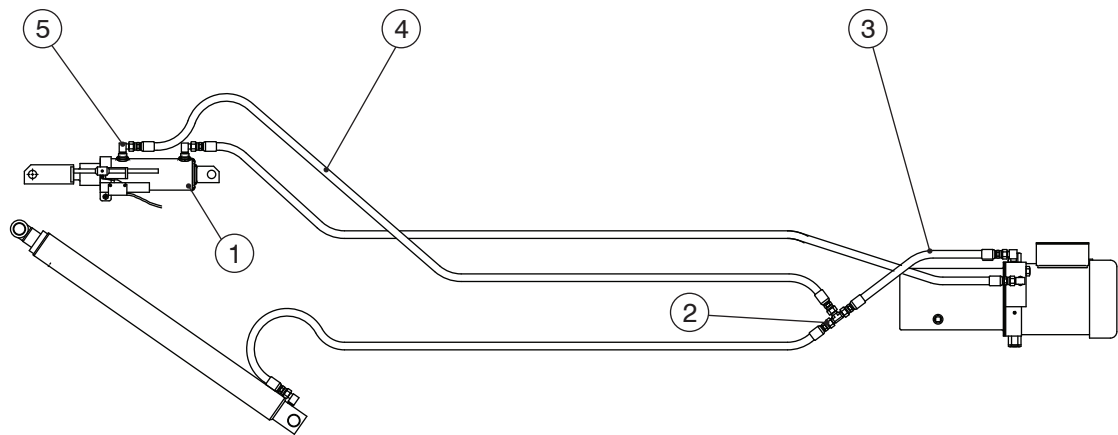
ITEM	QTY.	PART NO.	DESCRIPTION
5	2	107-196	Clevis Pin 3/4" x 2/8"
6	2	013-010	Spring Pin 1/4" x 1 - 1/4"
7	1	034-601	Elbow Fitting 6MJIC - 4MP - 90

OPTIONAL LIP CYLINDER ASSEMBLY – AUTO RETURN**OPTIONAL LIP CYLINDER ASSEMBLY – AUTO-RETURN**

ITEM	QTY.	PART NO.	DESCRIPTION
A	–	213-5027	Lip Cylinder Assembly - Auto Return (16" & 18" Lip)
B	–	213-5027-1	Lip Cylinder Assembly - Auto Return (20" Lip)
A	1	788-599-1	Lip Cylinder Single Acting
B	1	211-7002	Lip Cylinder Double Acting
2	1	788-345	Rod Assembly Bracket
3	1	788-346	Cylinder Bracket
4	1	113-300	Slide Switch Activator Auto Return
5	2	011-515	Nut, Hex #8 - 32 Machine Screw
6	1	010-040	Capscrew, Hex Hd. 3/8 - 16 x 1 - 1/2"
7	1	011-552	Nut, Hex 3/8 - 16 Nylon Insert
8	1	014-001	Setscrew, Socket Hd Cp 1/4 - 20 x 1/4"
9	1	025-601	Switch, Micro - Auto Return

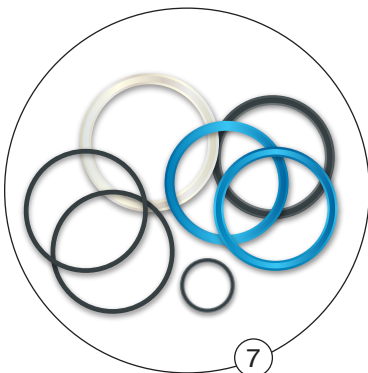
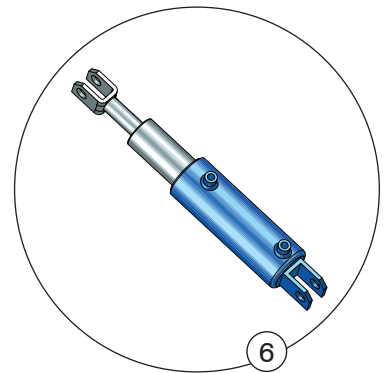
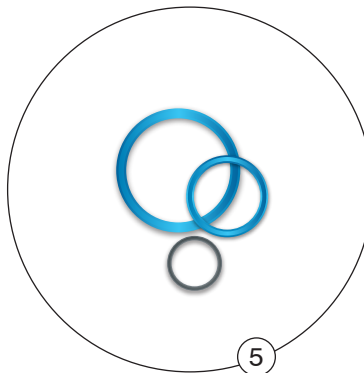
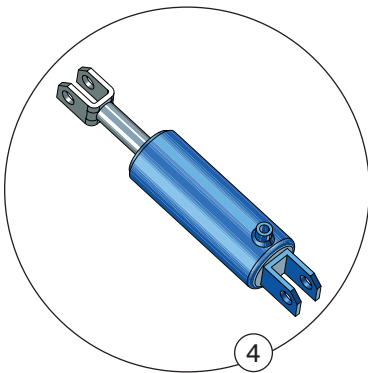
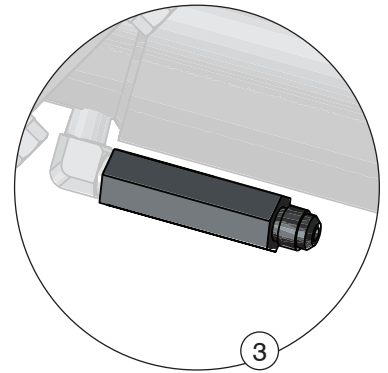
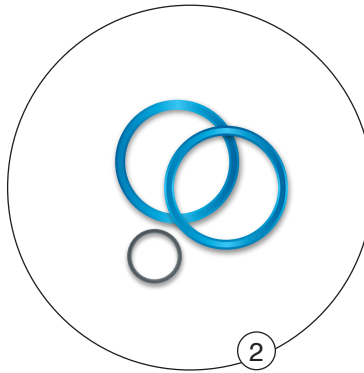
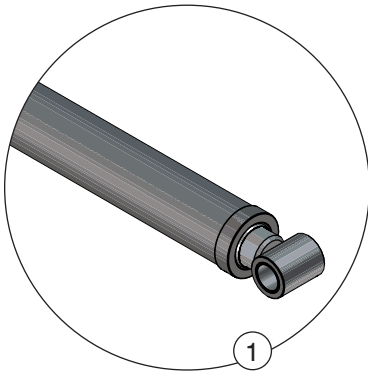


DOUBLE-ACTING LIP CYLINDER CONVERSION KIT (OPTIONAL)



DOUBLE-ACTING LIP CYLINDER CONVERSION KIT (OPTIONAL) #783-305-2			
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	211-7002B	2 1/2" Dia. Double-Acting Cylinder Assembly
2	1	034-551	Fitting
3	1	300-5000-7	Hose #6 12" Lg
4	1	300-5000-25	Hose #6 72" Lg
5	1	034-601	Adapter 90 DEG

RECOMMENDED SPARE PARTS



RSP FOR HYDRAULIC DOCK LEVELER				
ITEM NO.	DOCK SIZE	PART NO.	DESCRIPTION	QTY REQ'D
1	6' and 8'	788-635-1	2" Diameter Cylinder Assembly, Deck	1
	10' and 12'	788-655		
2	6' and 8'	036-205	Seal Kit	1
	10' and 12'	788-655-2	Seal Kit	
3	All	033-661	Velocity Fuse	1
4	All	788-599-1	Cylinder Assembly, Lip	1
5		036-204	Seal Kit	1

RSP FOR HYDRAULIC DOCK LEVELER				
ITEM NO.	DOCK SIZE	PART NO.	DESCRIPTION	QTY REQ'D
6	All	211-7002	Cylinder Assembly, Double Acting	1
7	All	211-7002-1	Seal Kit	1



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