



SPOA30/SPOA40/SPO40 E, M, And *i* Series

Two Post Surface Mounted Lifts

SPOA30 Series Capacity: 3,100kg (775 kg per arm)

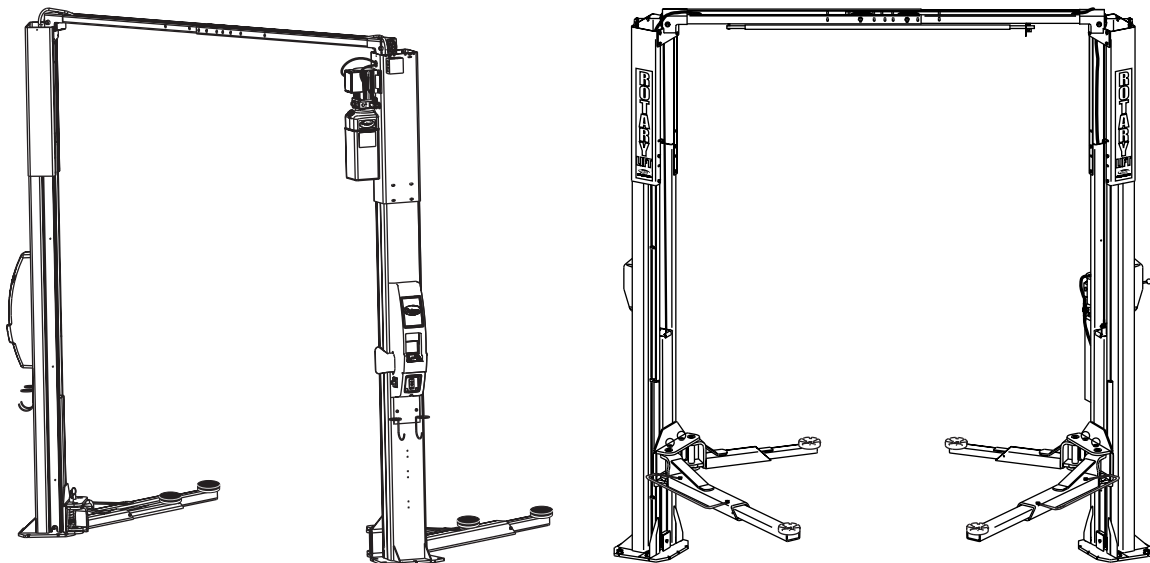
SPOA40 Series Capacity: 4,000kg (1,000kg per arm)

SPO40 Series Capacity: 4,000kg (1,000kg per arm)



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IMPORTANT: When ordering parts or requesting service always give exact model and power unit serial number. Model number is shown on nameplate attached to power unit column. Power unit serial number is located on side of power unit.

OWNERS RECORD

Complete information
at right and keep in
a safe place.

Date Installed _____

Installed in Bay # _____

Power Unit Serial # _____

Power Unit Model # _____

Lift Serial # _____

Lift Model # _____

NOTE: For replacement parts -See your nearest Rotary Parts Distributor.

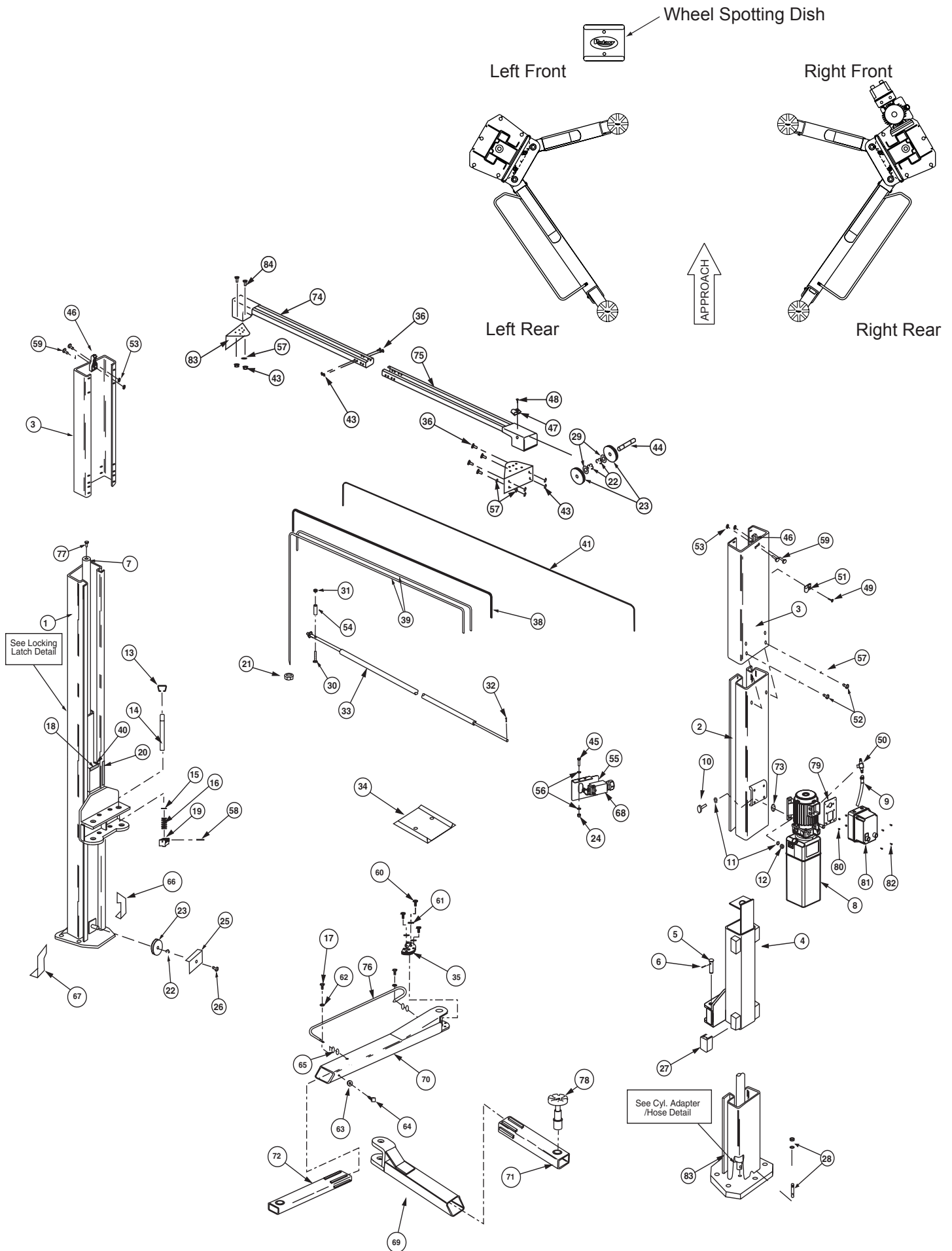
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Rev. C 08/05/2003

M SERIES PARTS LIST

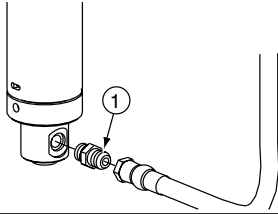
1	L.H. Column Weldment	N774	41	Locking Latch Cable	FJ7595-1
2	R.H. Column Weldment	N745		SPO40 EH-4 Model	FJ7600
3	Column Extension		42	Number Not Used	N/A
	SPOA30 AND SPO40 Series	N45	43	3/8"-16NC Flanged Locknut	40664
	SPOA40	N410	44	Sheave Shaft	FJ7444-8
	EH-1 MODEL	N46	45	1/4"-20NC x 3/4" HHCS Grade 5	40104
	EH-2 MODEL	N47	46	Upper Latch Cable Guide	N69
	SPO40 EH-4 MODEL	N49	47	Pipe Clip (4 req'd-Overhead)	FJ7206
4	Carriage Yoke Weldment	N820	48	#12 Type B x 1/2" Lg. Slotted Hex Washer Head	40057
5	Arm Pin	FJ7838		Screw Zinc Plated (4 req'd)	
6	3/16" x 2" Long Cotter Pin	41250	49	5/16"-18NC x 3/8" Slotted PHMS (For Columns)	40227
7	Hydraulic Cylinder	N343	50	Tee	FJ7668
8	Power Unit		51	Pipe Clip (6 req'd-Column)	FJ7499
	SPOA30 1 PHASE	P1073-7	52	3/8"-16NC x 1/2" Flanged HHCS	40122
	SPO40 and SPOA40 1 PHASE	P1073-6	53	1/4"-20NC Flanged Locknut	40641
	SPOA30 3 PHASE	P1071-7	54	19mm Spacer (2 req'd)	FJ7871
	SPO40 and SPOA40 3 PHASE	P1071-6	55	Limit Switch Assembly	N412
9	Power Unit Hose	FJ837	56	1/4" External Tooth Lockwasher	40779
10	5/16"-18NC x 1-1/2" HHCS	40238	57	3/8" External Tooth Lockwasher	40845
11	5/16" External Tooth Lockwasher	40854	58	1-1/2" Lg. Spring Pin	14427
12	5/16"-18NC Hex Nut	40670	59	1/4"-20NC x 1" HHCS Grade 5	40108
13	Actuator Pin Handle	FJ7985-1	60	3/8"-16NC x 1-1/2" HHCS Grade 5 Plated	40200
14	Actuator Pin	N121-1	61	3/8" Medium Spring Lockwasher	40818
15	Retaining Ring	N119-3	62	5/16" Split Lockwasher	40850
16	Arm Restraint Spring	FJ7656-2	63	3/8" Internal Tooth Washer	40843
17	5/16"-18NC x 3/4" HHCS	40252	64	3/8"-16NC x 5/8" Lg. HHCS Grade 8 Plated	40155
18	Carriage Bumper (152mm Lg.)	FJ7391-2	65	5/16" Flat Washer Plated SAE STD	40856
19	120T Gear Block	N2121	66	Left Toe Guard	N137-1
20	Approach bumper (457mm Lg.)	FJ7391-1	67	Right Toe Guard	N138-1
21	1/2"-13NC Hex Nylon Insert Lock Nut	40703	68	Limit Switch	N411-1
22	Truarc #5304-75 Klipping for 3/4" Shaft	41411	69	Front Outer Arm Weldment	
23	Sheave	FJ7116-1		SPOA30	N2126-1
24	1/4"-20NC Hex Nut	40627		SPOA40	N2128-1
25	Sheave Cover	N119-1		SPO40	N2130-1
26	1/4"-20NC x 3/8" Lg. PHMS Plated (2 pcs.)	40063	70	Rear Outer Arm Weldment	
27	Slider block	FJ7360		SPOA30	N2127-1
28	20mm Concrete Anchor (10 req'd)	W140210		SPOA40	N2129-1
29	1-1/2" O.D. x .760-.770" I.D. x .045" Thick Mach. Bushing	41388		SPO40	N2130-1
30	1/4"-20NC x 2-3/4" Hex Head Bolt	40114	71	Front Inner Arm Weldment	
31	1/4"-20NC Locknut	41423		SPOA30	N243-2
32	1/8" x 1" Lg. Cotter Pin	41200		SPOA40	N245-2
33	Switch Bar Assembly	FJ7613-2		SPO40	N247-2
34	Spotting Wheel Dish Kit	FF729	72	Rear Inner Arm Weldment	
35	Restraint Gear	N2122		SPOA30	N244-2
36	3/8"-16 NC x 3/4" Long Flanged HHCS	40134		SPOA40	N246-2
37	Number Not Used			SPO40M	N247-2
38	Overhead Hose		73	Push Nut	40747
	SPOA30	FJ838	74	L.H. Overhead Weldment (Outer)	N437-1
	SPOA30 EH-1 MODEL	FJ840	75	R.H. Overhead Weldment (Inner)	N438-1
	SPOA30 EH-2 MODEL	FJ841	76	Arm Guard	
	SPOA40 and SPO40	FJ839		Front SPOA30M & SPOA40M	N/A
	SPOA40 and SPO40 EH-1 MODEL	FJ842		Left Front SPO40M	N244-4
	SPOA40 and SPO40 EH-2 MODEL	FJ843		Right Front SPO30M	N247-4
	SPO40 EH-4 MODEL	FJ845		Rear SPOA30M & SPO40M	N244-4
				Rear SPOA30M	N246-4
39	Equalizer Cables		77	Bleeder Screw	N/A
	SPOA30	FJ7449	78	Adapter Assembly	FJ6166
	SPOA30 EH-1 MODEL	FJ7545	79	Adapter Plate	FA7132-2
	SPOA30 EH-2 MODEL	FJ7546	80	5mm-.80 x 8mm lg. Flat Head MS	FA7152-1
	SPOA40	N33	81	Control Panel	FA7168
	SPOA40 EH-1 MODEL	N34	82	#8-32NCx1/2" lg. Pan Head Tapping Screw	FA7152-2
	SPOA40 EH-2 MODEL	N35	83	Overhead Mounting Bracket	N439
	SPO40	FJ7450	84	3/8"-16NC x 3/4" Long Flanged HHCS	40124
	SPO40 EH-1 MODEL	FJ7547			
	SPO40 EH-2 MODEL	FJ7528			
	SPO40 EH-4 MODEL	FJ7601			
40	Carriage Bumper (38mm Lg.)	FJ7391-5			

M SERIES PARTS LIST



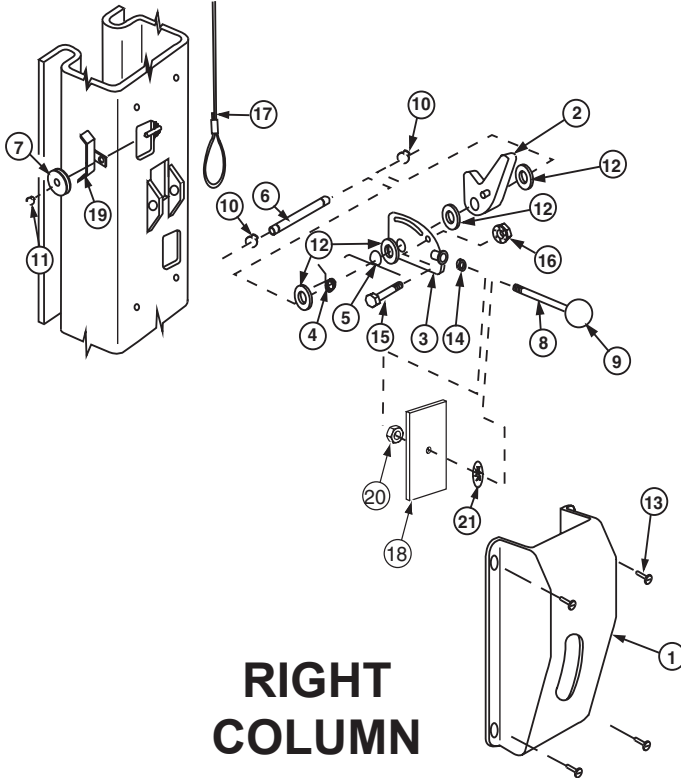
M SERIES PARTS LIST

CYLINDER ADAPTER / HOSE DETAIL



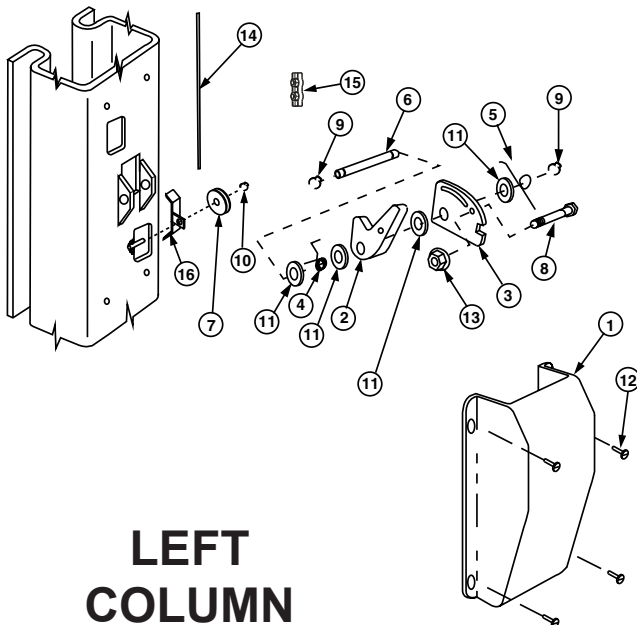
CYLINDER ADAPTER/HOSE DETAIL PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.
1	Straight Adapter	FJ7352-3



LOCKING LATCH DETAIL PARTS LIST

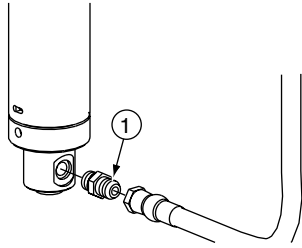
ITEM NO.	DESCRIPTION	PART NO.
1	Control Side Cover	FJ7452
2	Locking Latch Dog	FJ7382-7
3	Control Plate	FJ7594-2
4	Spring	FJ7566-10
5	Spring	FJ7382-9
6	Latch Shaft	FJ7382-34
7	Locking Latch Sheave	FJ7322
8	Handle	FJ7382-18
9	Ball Handle	FC134-91
10	Truarc Klipring #5304-75 for 3/4" Shaft	41411
11	Truarc Klipring #5304-37 for 3/8" Shaft	41410
12	1-1/2 O.D. x 3/4" I.D. x .045" Mach. Bush.	41388
13	5/16"-18NC x 3/8" Lg. Button Head Cap Screw (Allen socket)	N/A
14	3/8" - 16NC Hex Jam Nut	40658
15	Shoulder Bolt, 5/16" x 1-1/4" 20 NC	40220
16	1/4" 20NC Locknut	41423
17	Latch Cable	FJ7595-1
	SPO40 Model EH-4 Model	FJ7600
18	Slot Cover	N617
19	Latch Sheave Cover	N64
20	1/2"-13NC Jam Nut	40700
21	Push Nut	N62-2



LOCKING LATCH DETAIL PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.
1	Latch Cover	FJ7451
2	Locking Latch Dog	FJ7382-7
3	Control Plate	FJ7382-5
4	Spring	FJ7566-10
5	Spring	FJ7382-9
6	Latch Shaft	FJ7382-34
7	Locking Latch Sheave	FJ7322
8	Shoulder Bolt 5/16" x 1-1/4" 20NC	40220
9	Truarc Klipring #5304-75 for 3/4" Shaft	41411
10	Truarc Klipring #5304-37 for 3/8" Shaft	41410
11	1-1/2" O.D. x 3/4" I.D. x .045" Mach. Bush.	41388
12	5/16"-18NC x 3/8" Lg. Button Head Cap Screw (Allen socket)	N/A
13	1/4"-20NC Locknut	41423
14	Latch Cable	FJ7595-1
	SPO40 EH-4 Model	FJ7600
15	Cable Clamp	N63-1
16	Sheave Cover	N64

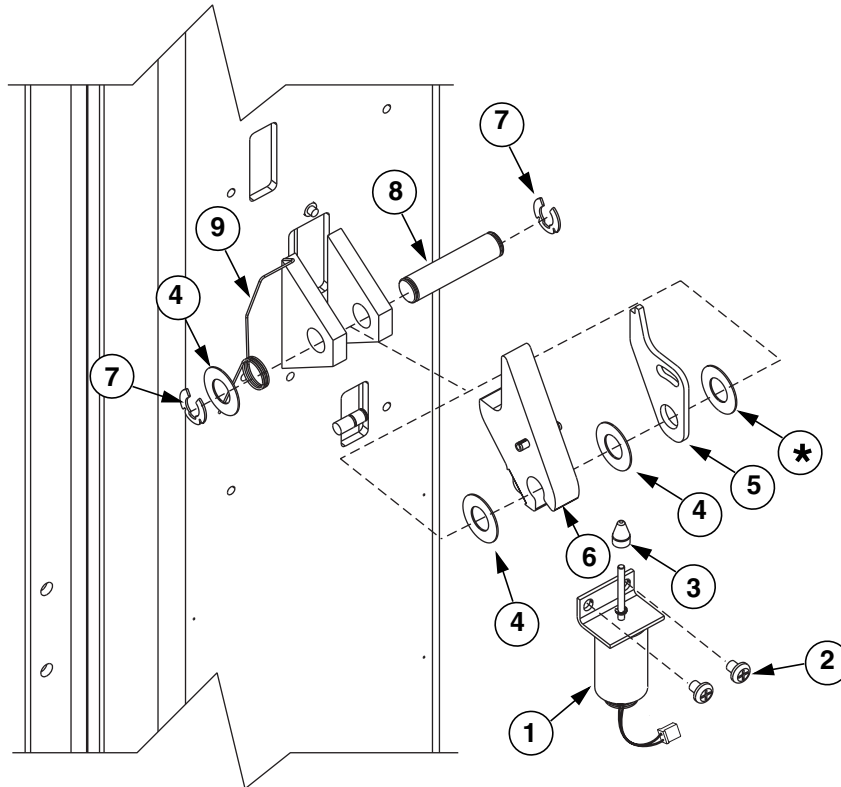
E AND i SERIES PARTS LIST



CYLINDER HOSE ADAPTER DETAIL

ITEM	DESCRIPTION	PART
1	Straight Adapter	FJ7352-3

SOLENOID / LOCKING LATCH ASSEMBLY



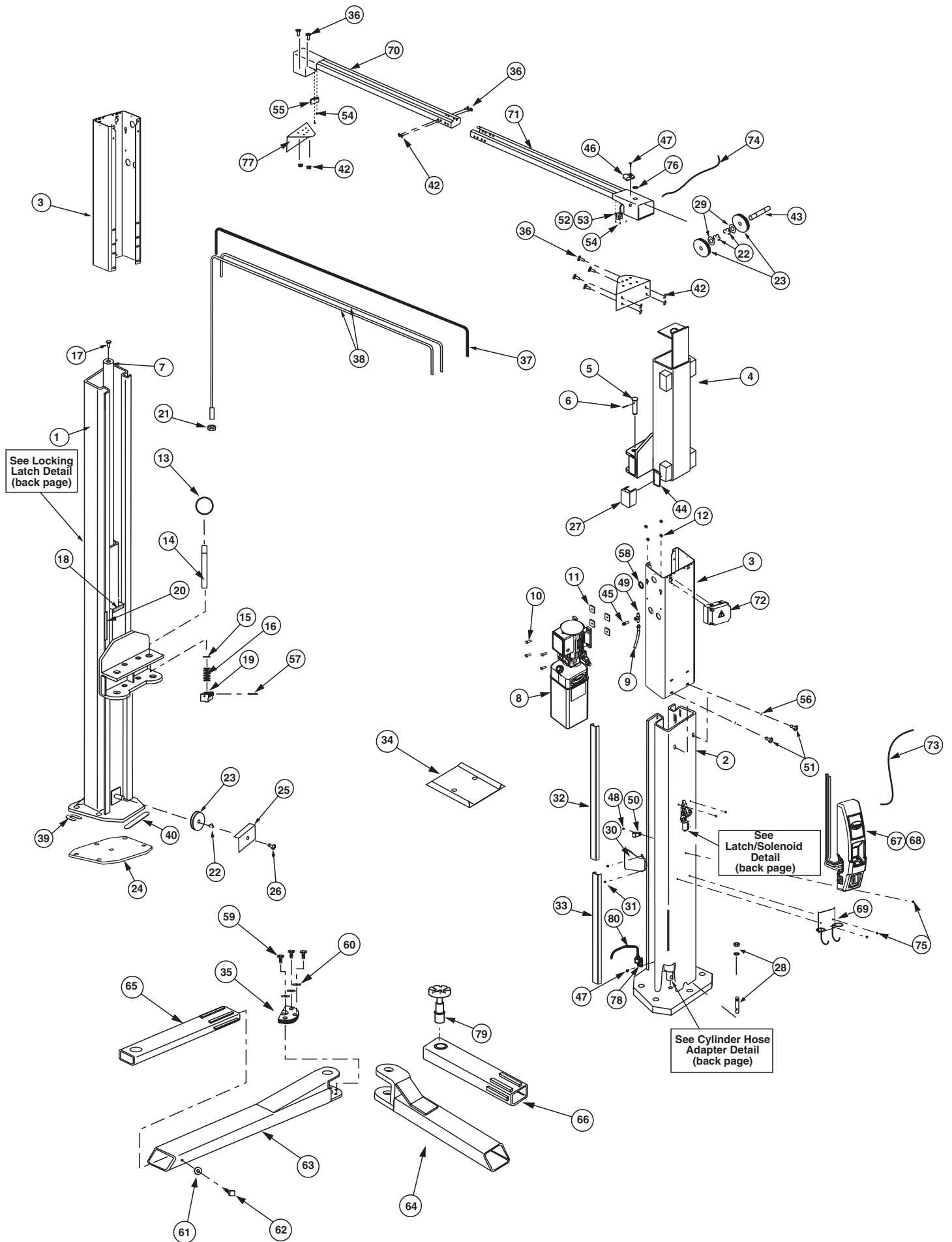
LOCKING LATCH DETAIL PARTS LIST

ITEM	DESCRIPTION	PART
1	Solenoid	N613
2	5/16" - 3/8" PHMS	40227 2 REQ'D
3	Slider	N613-1
4	1-1/2" O.D. x 3/4" I.D. x .045 Mach. Bush.	41388
5	Latch Control Plate	N613-3
6	Locking Latch	N613-4
7	Truarc Klipring #5304-75 for 3/4" Shaft	41411
8	Latch Shaft	FJ7382-34
9	Latch Spring	N613-2

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1	L.H. Column Weldment	N1134	49	Female Swivel Tee	N331
2	R.H. Column Weldment	N1134	50	Hose Clip (6 req'd-Column)	FJ7499
3	Column Extension		51	3/8"-16NC x 1/2" Flanged HHCS	40122
	SPOA30 and SPO40	N45	52	Photosensor	N428
	SPOA40	N410	53	Overhead Photosensor Bracket	N428-1
	EH-1 MODEL	N46	54	#12 TYPE B X 1/2" Lg. Slotted HWHS	2 Req'd.
	EH-2 MODEL	N47	55	Reflector Bracket Assembly	N428-2
	SPO40 EH-4 MODEL	N49	56	3/8" External Tooth Lockwasher	40845
4	Carriage Yoke Weldment	N820	57	Spring Pin-1/4" dia. x 1-1/2" Lg. (Stainless)	14427
5	Arm Pin	FJ7838	58	Hose Grommet	FA7180-32
6	3/16" x 2" Long Cotter Pin	41250	59	3/8"-16NC x 1-1/2" HHCS Grade 5	40200
7	Hydraulic Cylinder	N343	60	3/8" Spring Washers	40818
8	Power Unit		61	3/8" Internal Tooth Washer	40843
	SPOA30 1 PHASE	P1366	62	3/8"-16NC x 5/8" Lg. HHCS Grade 8	40155
	SPOA30 3 PHASE	P1367	63	Rear Outer Arm Weldment	
	SPOA40 1 PHASE	P1364		SPOA30	N2127-1
	SPOA40 3 PHASE	P1365		SPOA40	N2129-1
9	Power Unit Hose	N329		SPO40	N2130-1
10	5/16"-18NC x 1-1/2" HHCS (Full Thread)	40271	64	Front Outer Arm Weldment	
11	Vibration Pad	P1164-3		SPOA30	N2126-1
12	5/16"-18NC Hex Nut	40670		SPOA40	N2128-1
13	Actuator Pin Handle	FJ7985-1		SPO40	N2130-1
14	Actuator Pin	N121-1	65	Rear Inner Arm Weldment	
15	Retaining Pin	N119-3		SPOA30	N249-1
16	Arm Restraint Spring	FJ7656-2		SPOA40	N251-1
17	Bleeder Screw (Specify Manufacturer)	N/A		SPO40E	N252-1
18	Carriage Bumper	FJ7391-2	66	Front Inner Arm Weldment	
19	120T Gear Block	N2121		SPOA30	N248-1
20	Approach bumper	FJ7391-1		SPOA40	N250-1
21	1/2"-13NC Hex Lock Nut	40703		SPO40	N252-1
22	Truarc #5304-75 Klipring for 3/4" Shaft	41411	67	Master Control Panel E Series	
23	Sheave	FJ7116-1		E Series 1 PHASE	FA7213
24	Shim Kit	FA5112		i Series 1 PHASE	FA7216
25	Sheave Cover	N119-1		E Series 3 PHASE	FA7211
26	1/4"-20NC x 3/8" Lg. PHMS Plated (2 pcs.)	40063		i Series 3 PHASE	FA7215
27	Slider block	FJ7360	68	Slave Control Panel	
28	3/4" Concrete Anchor	FJ7380		1 PHASE Standard Height	FA7214
29	1-1/2" O.D. x .760-.770" I.D. x .045" Bushing	41388		1 PHASE EH1 and EH2 Models	FA7214-2
30	Wiring Chase	FA928		3 PHASE Standard Height	FA7212
31	#8-32 Type B x 5/8" Lg. PHTS.	41457		3 PHASE EH1 and EH2 Models	FA7212-5
32	Upper Web Cover	FA926		3 PHASE EH4 Model	FA7232
33	Lower Web Assembly	FA939	69	Air Tool Holder Weldment	FA5162
34	Spotting Wheel Dish Kit	FF729	70	L.H. Overhead Weldment (Outer)	N437-1
35	Restraint Gear	N2122	71	R.H. Overhead Weldment (Inner)	N438-1
36	3/8"-16 NC x 3/4" Long Flanged HHCS	40124	72	Junction Box	FA925
37	Overhead Hose		73	Slave Control Cable Extension	
	SPOA30	N330		EH-1 Model	FA7180-42
	SPOA30 EH-1 MODEL	N335		EH-2 Model	FA7180-43
	SPOA30 EH-2 MODEL	N335		SPO40 EH-4 Model	FA7180-44
	SPOA40 and SPO40	N335	74	Photosensor Cable Extension	
	SPOA40 and SPO40 EH-1 MODEL	N335		EH-1 Model	FA7180-45
	SPOA40 and SPO40 EH-2 MODEL	N335		EH-2 Model	FA7180-46
38	Equalizer Cables			SPO40 EH-4	FA7180-47
	SPOA30	FJ7449	75	Screws for Control Panels And Tool Holders	
	SPOA30 EH-1 MODEL	FJ7545		5/16" - 3/8" PHMS	10 REQ'D
	SPOA30 EH-2 MODEL	FJ7546	76	Wire Grommet	FA7180-31
	SPOA40	N33	77	Mounting Bracket	N439
	SPOA40 EH-1 MODEL	N34	78	Lower Photosensor Bracket	N442-2
	SPOA40 EH-2 MODEL	N35	79	Adapter Assembly	FJ6166
	SPO40	FJ7450	80	Lower Photosensor	N428-6
	SPO40 EH-1 MODEL	FJ7547			
	SPO40 EH-2 MODEL	FJ7528			
39	Horse Shoe Shim	FJ716-6			
40	Front Shim	FJ659-3			
41	Number Not Used	N/A			
42	3/8"-16NC Flanged Locknut	40664			
43	Sheave Shaft	FJ7444-8			
44	Slider Block Shim	N115			
45	Male Extension With O-Ring	N332			
46	Hose Clip (4 req'd-Overhead)	FJ7206			
47	#12 Type B x 1/2" Lg. Sl. HWHTS	40057			
48	5/16"-18NC x 3/8" PHMS	40227			

E AND i SERIES PARTS LIST



World Headquarters:
Rotary Lift
A **DOVER** COMPANY
2700 Lanier Drive
Madison, Indiana USA
Phone: 1.800.445.5438
Phone: 1.812.273.1622
Fax: 1.800.578.5438
Fax: 1.812.273.6502
userlink@rotarylif.com
www.rotarylif.com

Italy:
(Regional Sales Office)
Rotary Lift Europe S.r.l.
Cadriano (BO)
Phone: +39.051.763384
Fax: +39.051.763395
info@rotaryeurope.com

Germany:
(European Sales Headquarters)
Rotary Lift Germany GmbH
Bensheim
Phone: +49.6251.582.6420
Fax: +49.6251.582.6422
sales@rotarylif.de

United Kingdom:
(Regional Sales Office)
Rotary Lift (UK) LTD.
Halstead, Essex
Phone: +44.178.747.7711
Fax: +44.178.747.7720
sales@rotarylif.idps.co.uk

Canada:
(Regional Sales Office)
Rotary Lift Canada
Mississauga, Ontario
Phone: 905.812.9920
Fax: 905.812.9719
canada@rotarylif.com

Austral-Asia:
(Regional Sales Office)
Rotary Lift Austral/Asia
Petaling Jaya, Malaysia
Phone: +60.3.7660.0285
Fax: +60.3.7660.0289
rlim@rotarylif.com

