



PARTS
BREAKDOWN

SPOA30/SPOA40/SP040 E & M Series

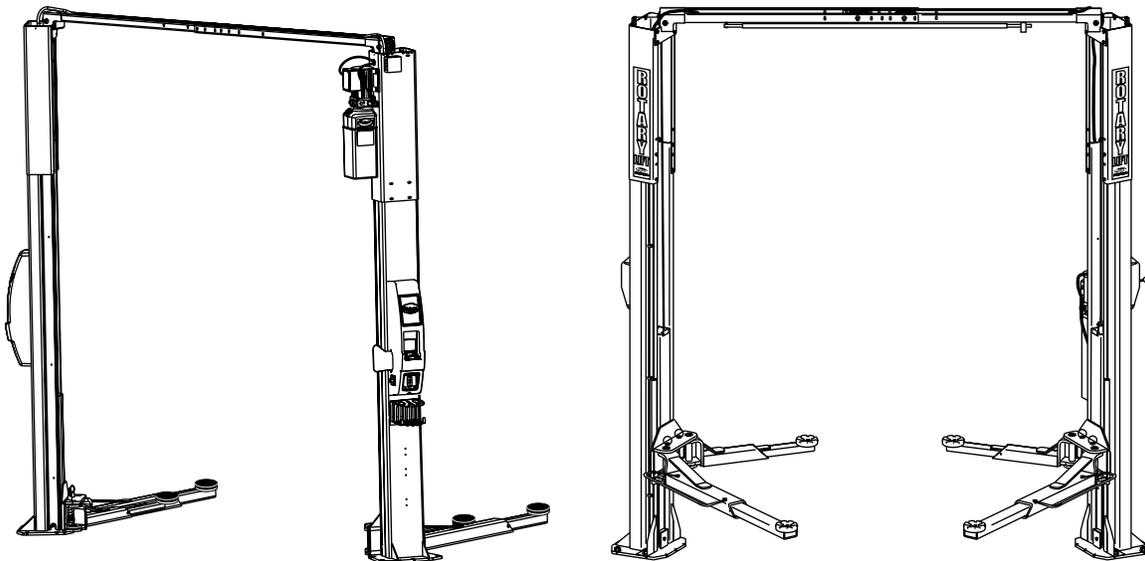
(600 Series)

Two Post Surface Mounted Lifts

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

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

SP040 Series Capacity: 4,000kg (1,000kg per arm)



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.

PB 2-32-30

Rev. -- 10/13/2005

M SERIES PARTS LIST

| | | | | | |
|----|---|----------|----|--|----------|
| 1 | L.H. Column | N752 | 39 | Equalizer Cables | |
| 2 | R.H. Column | N755 | | SPOA30 | N384 |
| 3 | Column Extension | | | SPOA30 EH-1 MODEL | N385 |
| | Standard Height..... | N470 | | SPOA30 EH-2 MODEL | N386 |
| | EH-1 MODEL | N471 | | SPOA40 | N372 |
| | EH-2 MODEL | N472 | | SPOA40 EH-1 MODEL | N378 |
| | EH-4 MODEL (SPO40 only) | N474 | | SPOA40 EH-2 MODEL | N373 |
| 4 | Carriage Yoke..... | N822 | | SPO40 | N374 |
| 5 | Arm Pin | N2154 | | SPO40 EH-1 MODEL | N379 |
| 6 | 3/8" -16NC x 3/4" Long Carriage Bolts | N/A | | SPO40 EH-2 MODEL | N375 |
| 7 | 71" Hydraulic Cylinder | N382 | | SPO40 EH-4 MODEL | N376 |
| *8 | Power Unit | | 40 | Carriage Bumper..... | FA950 |
| | 1Ø (SPOA30) (F model)..... | *P1453 | 41 | Locking Latch Cable | FJ7595-1 |
| | 1Ø (SPOA40/SPO40) (F model)..... | *P1456 | | SPO40 EH-4 Model | FJ7600 |
| | 3Ø (SPOA30) (D model)..... | *P1454 | 42 | Cable Guide..... | N618 |
| | 3Ø (SPOA40/SPO40) (D model)..... | *P1047 | 43 | 3/8" -16NC Flanged Locknut..... | 40664 |
| | 3Ø (SPOA30) (T model) | *P1455 | 44 | Sheave Shaft | FJ7444-8 |
| | 3Ø (SPOA40/SPO40) (T model) | *P1457 | 45 | 1/4" -20NC x 3/4" HHCS Grade 5 | 40104 |
| 9 | Power Unit Hose | FJ837 | 46 | Cable End Bracket | N619 |
| 10 | 5/16" -18NC x 1-1/2" HHCS..... | 40238 | 47 | Hose Clip | N383 |
| 11 | 5/16" External Tooth Lock Washer | 40854 | 48 | Front Shim | FJ7659-3 |
| 12 | 5/16" -18NC Hex Nut | 40670 | 49 | Horse Shoe Shim | FJ716-6 |
| 13 | Actuator Pin Handle | FJ7985-1 | 50 | Tee | FJ7668 |
| 14 | Actuator Pin..... | N121-1 | 51 | N/A | N/A |
| 15 | Retaining Ring | N119-3 | 52 | Photosensor Plug..... | FA5930-2 |
| 16 | Arm Restraint Spring | FJ7656-2 | 53 | 1/4" -20NC Flanged Locknut..... | 40641 |
| 17 | Strain Relief (1Ø Only) | P1164-4 | 54 | Spacer | FJ7871 |
| 18 | Carriage Bumper (152mm Lg.) | FA941 | 55 | Limit Switch Assembly..... | N412 |
| 19 | Arm Restraint Pawl..... | N2121 | 56 | 1/4" External Tooth Lock Washer | 40779 |
| 20 | Approach Bumper (457mm Lg.) | FJ7391-1 | 57 | 3/8" External Tooth Lock Washer | 40845 |
| 21 | 5/8" -11NC Hex Nylon Insert Lock Nut | 40780 | 58 | 1-1/2" Lg. Spring Pin..... | 14427 |
| 22 | Truarc #5304-75 Klipping for 3/4" Shaft..... | 41411 | 59 | 1/4" -20NC x 1" HHCS Grade 5..... | 40108 |
| 23 | Sheave..... | N377 | 60 | Left Toe Guard | N137-1 |
| 24 | 1/4" -20NC Hex Nut..... | 40627 | 61 | Right Toe Guard..... | N138-1 |
| 25 | Sheave Cover | N119-1 | 62 | Limit Switch | N411-1 |
| 26 | 1/4" -20NC x 3/8" Lg. PHMS Plated (2 pcs.)..... | 40063 | 63 | Push Nut..... | FC5209 |
| 27 | Slider Block..... | FJ7360 | 64 | L.H. Overhead (Outer)..... | N480-1 |
| 28 | 20mm Concrete Anchor (10 req'd)W140210 | | 65 | R.H. Overhead (Inner)..... | N481-1 |
| 29 | 1-1/2" O.D. x .760-.770" I.D. x .045" Thk. Mach. Bushing..... | 41388 | 66 | Bleeder Screw | N/A |
| 30 | 1/4" -20NC x 2-3/4" Hex Head Bolt..... | 40114 | 67 | Adapter Plate..... | FA7926 |
| 31 | 1/4" -20NC Nylon Insert Locknut..... | 41423 | 68 | 5/16-18NC x 1/2" Socket Flat Head MS | 40375 |
| 32 | 1/4" Type A Plain Flat Washer | | 69 | Control Panel | |
| 33 | Switch Bar Assembly | | | 1Ø | FA7928 |
| | SPOA30 | N415 | | 3Ø | FA7927 |
| | SPOA40/SPO40 | N467 | 70 | #8-32NC x 3/8" Lg. Hex SHCS..... | 40087 |
| 34 | Spotting Wheel Dish Kit..... | FF729 | 71 | Overhead Mounting Bracket | N439 |
| 35 | N/A | N/A | | | |
| 36 | 3/8" -16NC x 3/4" Long Flanged HHCS | 40134 | | | |
| 37 | Slider Block Shim..... | N115 | | | |
| 38 | Overhead Hose | | | | |
| | SPOA30 | FJ839 | | | |
| | SPOA30 EH-1 MODEL | FJ842 | | | |
| | SPOA30 EH-2 MODEL | FJ843 | | | |
| | SPOA40 and SPO40..... | FJ839 | | | |
| | SPOA40 and SPO40 EH-1 MODEL..... | FJ842 | | | |
| | SPOA40 and SPO40 EH-2 MODEL..... | FJ843 | | | |
| | SPO40 EH-4 MODEL | FJ845 | | | |

*Notes: F, D, or T Model?

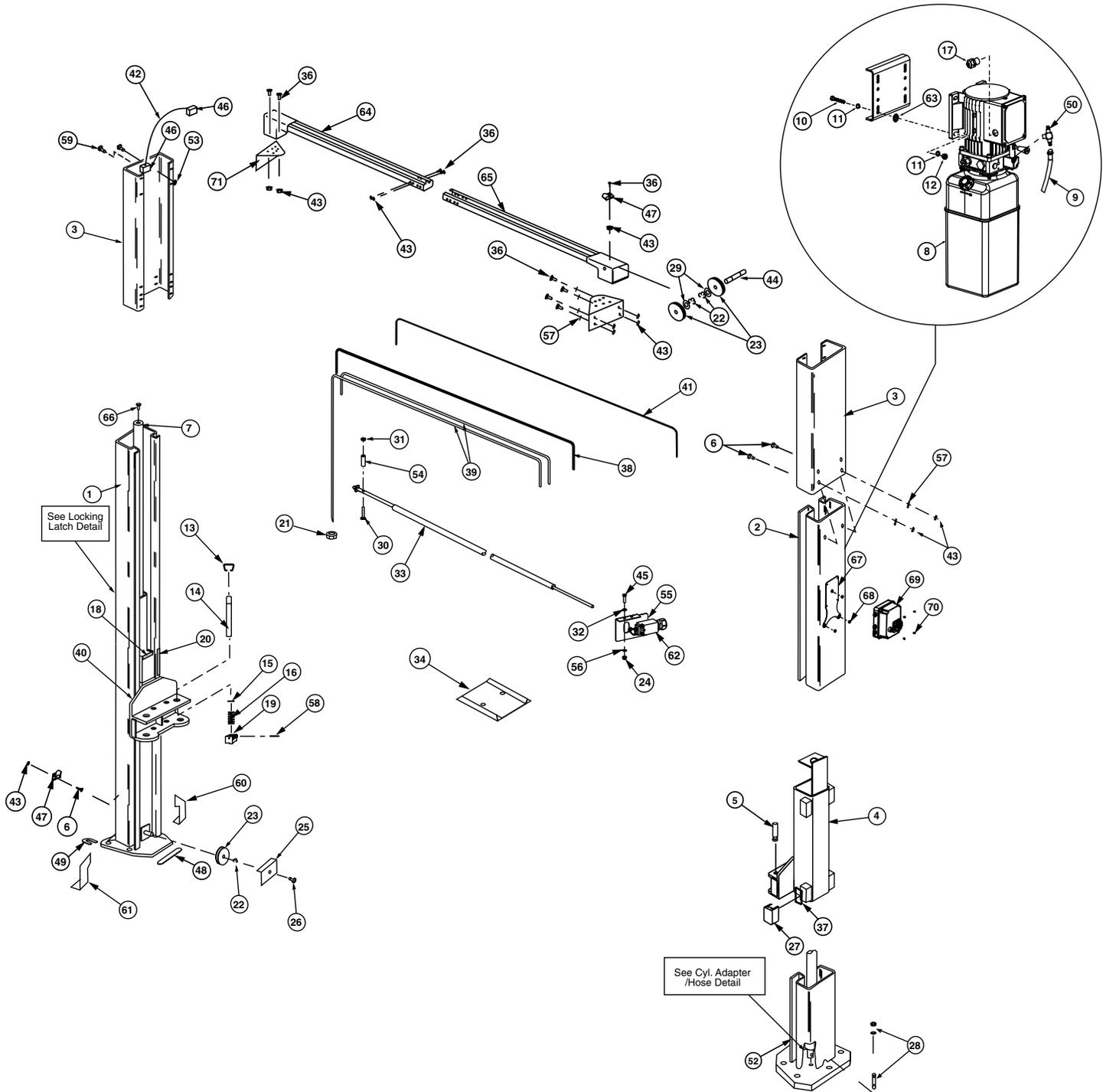
To find out if you have a **F, D, or T** model Power Unit look at the **4th letter from the end** of your lift model number.

EXAMPLE: SPOA30**MD**585 would be a **D Model**.

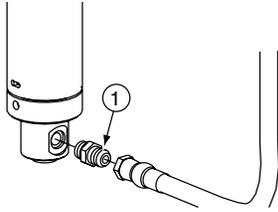


Model number can be found on a tag on the side of the lift.

M SERIES PARTS LIST

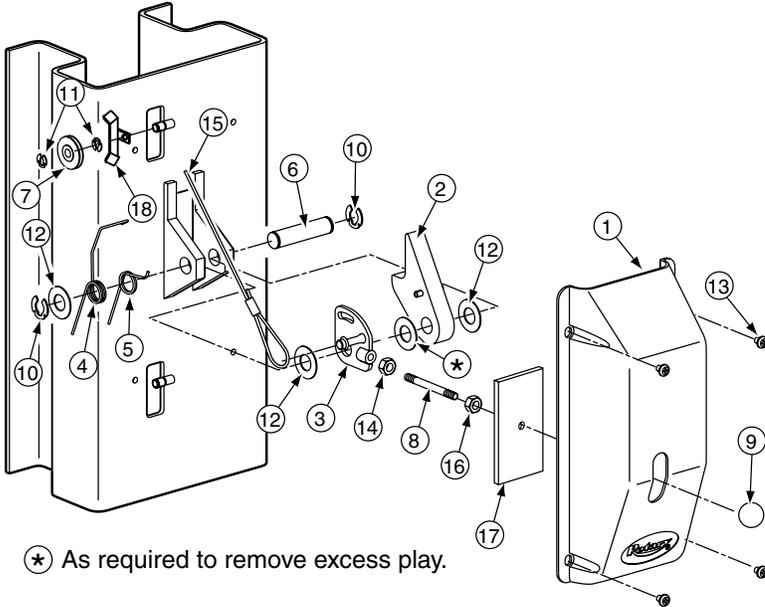


M SERIES PARTS LIST



CYLINDER ADAPTER/HOSE DETAIL PARTS LIST

| Item | Description | Part No. |
|------|-----------------------|----------|
| 1 | Straight Adapter..... | FJ7352-3 |

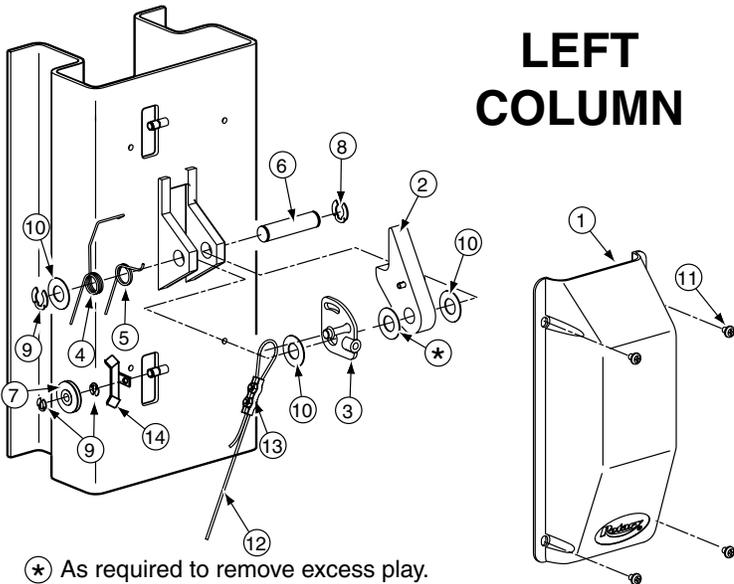


⊛ As required to remove excess play.

RIGHT COLUMN

LOCKING LATCH DETAIL PARTS LIST

| Item | Description | Part No. | |
|------|--|----------------------------------|--------|
| 1 | Control Side Cover | FJ7452 | |
| 2 | Locking Latch Dog | N616 | |
| 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 Klipping #5304-75 (for 3/4" Shaft)..... | 41411 | |
| 11 | Truarc Klipping #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. BHCS (Allen Socket)..... | N/A | |
| 14 | 3/8" - 16NC Hex Jam Nut..... | 40658 | |
| 15 | Locking Latch Cable | FJ7595-1 EH-4 for SPO40 | FJ7600 |
| 16 | 1/2"-13NC Jam Nut (Spacer) | 40700 | |
| 17 | Slot Cover | N617 | |
| 18 | Latch Sheave Cover | N64 | |



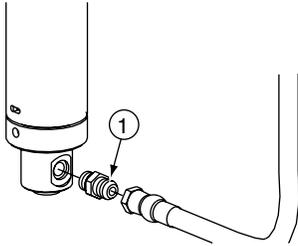
⊛ As required to remove excess play.

LEFT COLUMN

LOCKING LATCH DETAIL PARTS LIST

| Item | Description | Part No. | |
|------|--|----------------------------------|--------|
| 1 | Latch Cover | FJ7451 | |
| 2 | Locking Latch Dog | N616 | |
| 3 | Control Plate | FJ7594-2 | |
| 4 | Spring | FJ7566-10 | |
| 5 | Spring | FJ7382-9 | |
| 6 | Latch Shaft..... | FJ7382-34 | |
| 7 | Locking Latch Sheave..... | FJ7322 | |
| 8 | Truarc Klipping #5304-75 (for 3/4" Shaft)..... | 41411 | |
| 9 | Truarc Klipping #5304-37 (for 3/8" Shaft)..... | 41410 | |
| 10 | 1-1/2" O.D. x 3/4" I.D. x .045" Mach. Bush..... | 41388 | |
| 11 | 5/16"-18NC x 3/8" Lg. BHCS (Allen Socket) | N/A | |
| 12 | Locking Latch Cable | FJ7595-1 EH-4 for SPO40 | FJ7600 |
| 13 | Latch Cable Clamp | N63-1 | |
| 14 | Latch Sheave Cover | N64 | |

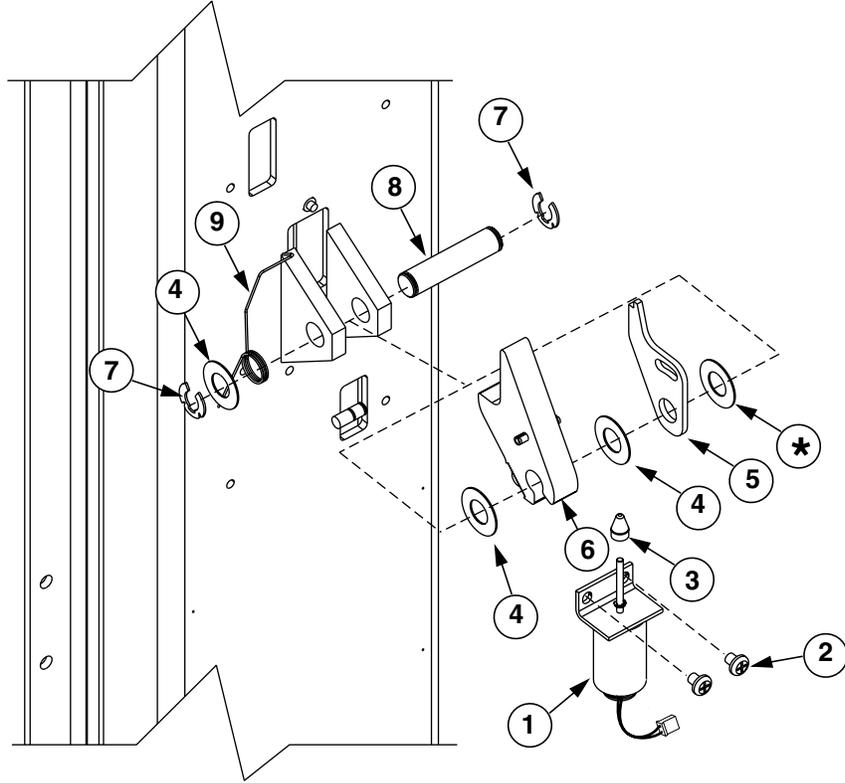
E AND I SERIES PARTS LIST



CYLINDER ADAPTER/HOSE DETAIL PARTS LIST

| Item | Description | Part No. |
|------|-----------------------|----------|
| 1 | Straight Adapter..... | FJ7352-3 |

SOLENOID / LOCKING LATCH ASSEMBLY



LOCKING LATCH DETAIL PARTS LIST

| Item | Description | Part No. |
|------|--|-----------|
| 1 | Solenoid..... | FA7484-6 |
| 2 | 5/16" - 3/8" PHMS..... | 40227 |
| 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..... | N616 |
| 7 | Truarc Klipring #5304-75 (for 3/4" Shaft)..... | 41411 |
| 8 | Latch Shaft..... | FJ7382-34 |
| 9 | Latch Spring..... | N613-2 |

E SERIES PARTS LIST

| | | | |
|--|----------|---|-----------|
| 1 L.H. Column | N752 | 41 Limit Switch | N411-1 |
| 2 R.H. Column | N752 | 42 3/8"-16NC Flanged Locknut..... | 40664 |
| 3 R.H. Column Extension | | 43 Sheave Shaft | FJ7444-8 |
| Standard Height | N470 | 44 Slider Block Shim..... | N115 |
| EH-1 MODEL | N471 | 45 Male Extension With O-Ring..... | N332 |
| EH-2 MODEL..... | N472 | 46 Hose Clip | N383 |
| EH-4 MODEL (SPO40 Only) | N474 | 47 1/4"-20NC x 2-3/4" Hex Head Bolt..... | 40114 |
| L.H. Column Extension | | 48 1/4" Type A Flat Washer | 40780 |
| Standard Height | N485 | 49 Female Swivel Tee | N331 |
| EH-1 MODEL | N486 | 50 Switch Bar Assembly | |
| EH-2 MODEL..... | N487 | (SPOA30)..... | N415 |
| EH-4 MODEL (SPO40 Only) | N489 | (SPOA40/SPO40)..... | N467 |
| 4 Carriage Yoke..... | N822 | 51 3/8"-16NC x 1/2" Flanged HHCS | 40122 |
| 5 Arm Pin | N2154 | 52 1/4"-20NC x 3/4" HHCS Grade 5 | 40104 |
| 6 1/4"-20NC Locknut | 41423 | 53 1/4" External Tooth Lock Washer | 40779 |
| 7 71" Hydraulic Cylinder | N382 | 54 1/4"-20NC Hex Nut..... | 40627 |
| *8 Power Unit | | 55 Limit Switch Assembly..... | N412 |
| 1Ø SPO40 (E model) | *P1486 | 56 3/8" External Tooth Lock washer..... | 40845 |
| 3Ø SPOA30 (E model)..... | *P1487 | 57 Spring Pin-1/4" dia. x 1-1/2" Lg. (Stainless)..... | 14427 |
| 3Ø SPOA40/SPO40 (E model) | *P1493 | 58 Hose Grommet..... | FA7180-32 |
| 3Ø SPOA30 (S model) | *P1488 | 59 Screws for Control Panels And Tool Holders | |
| 3Ø SPOA40/SPO40 (S model) | *P1489 | 5/16" - 3/8" PHMS | 10 REQ'D |
| 9 Power Unit Hose | N368 | 60 Wire Grommet | FA7180-31 |
| 10 5/16"-18NC x 1-1/2" HHCS (Full Thread) | 40271 | 61 Mounting Bracket..... | N439 |
| 11 Vibration Pad | P1164-3 | 62 Motor Harness | FA7611 |
| 12 5/16"-18NC Hex Nut..... | 40670 | 63 3/8"-16NC x 3/4" Carriage Bolts | N/A |
| 13 Actuator Pin Handle | FJ7985-1 | 64 Motor Cable | |
| 14 Actuator Pin | N121-1 | 1Ø | FA7940 |
| 15 Retaining Pin..... | N119-3 | 3Ø | FA7952 |
| 16 Arm Restraint Spring | FJ7656-2 | 65 13" Bumper | FA950 |
| 17 Bleeder Screw (Specify Manufacturer) | N/A | 66 Power Harness Extensions | |
| 18 Carriage Bumper..... | FA941 | 2' | FA7809 |
| 19 Arm Restraint Pawl..... | N2121 | 4' | FA7810 |
| 20 Approach Bumper | FJ927-1 | 67 Master Control Assembly..... | FA7420 |
| 21 5/8"-11NC Hex Lock Nut | 40743 | 68 Slave Control Panel | FA7301 |
| 22 Truarc #5304-75 Klipping for 3/4" Shaft..... | 41411 | 69 Air Tool Holder..... | FA7520 |
| 23 Sheave | N377 | 70 L.H. Overhead (Outer)..... | N480-1 |
| 24 Shim Kit..... | FA5112 | 71 R.H. Overhead (Inner)..... | N481-1 |
| 25 Sheave Cover | N119-1 | 72 Power Harness..... | FA7947 |
| 26 1/4"-20NC x 3/8" Lg. PHMS Plated (2 pcs.)..... | 40063 | 73 Slave Control Cable Extension | |
| 27 Slider Block..... | FJ7360 | 2' | FA7805 |
| 28 20mm Concrete Anchor | W140210 | 4' | FA7806 |
| 29 1-1/2" O.D. x .760-.770" I.D. x .045" Bushing | 41388 | 74 Slave Harness | FA7703 |
| 30 Wiring Chase | FA928 | | |
| 31 #8-32 Type B x 5/8" Lg. PHTS. | 41457 | | |
| 32 Web Cover..... | FA948 | | |
| 33 Spacer | FJ7871 | | |
| 34 Spotting Wheel Dish Kit..... | FF729 | | |
| 35 N/A | N/A | | |
| 36 3/8"-16 NC x 3/4" Long Flanged HHCS | 40124 | | |
| 37 Overhead Hose..... | | | |
| Standard | N369 | | |
| EH-1/EH-2 MODEL..... | N371 | | |
| EH-4 MODEL (SPO40 Only) | N370 | | |
| 38 Equalizer Cables..... | | | |
| SPOA30 | N384 | | |
| SPOA30 EH-1 MODEL..... | N385 | | |
| SPOA30 EH-2 MODEL..... | N386 | | |
| SPOA40 | N372 | | |
| SPOA40 EH-1 MODEL..... | N378 | | |
| SPOA40 EH-2 MODEL..... | N373 | | |
| SPO40..... | N374 | | |
| SPO40 EH-1 MODEL..... | N379 | | |
| SPO40 EH-2 MODEL..... | N375 | | |
| SPO40 EH-4 MODEL..... | N376 | | |
| 39 Horse Shoe Shim | FJ716-6 | | |
| 40 Front Shim | FJ659-3 | | |

*Notes: E or S Model?

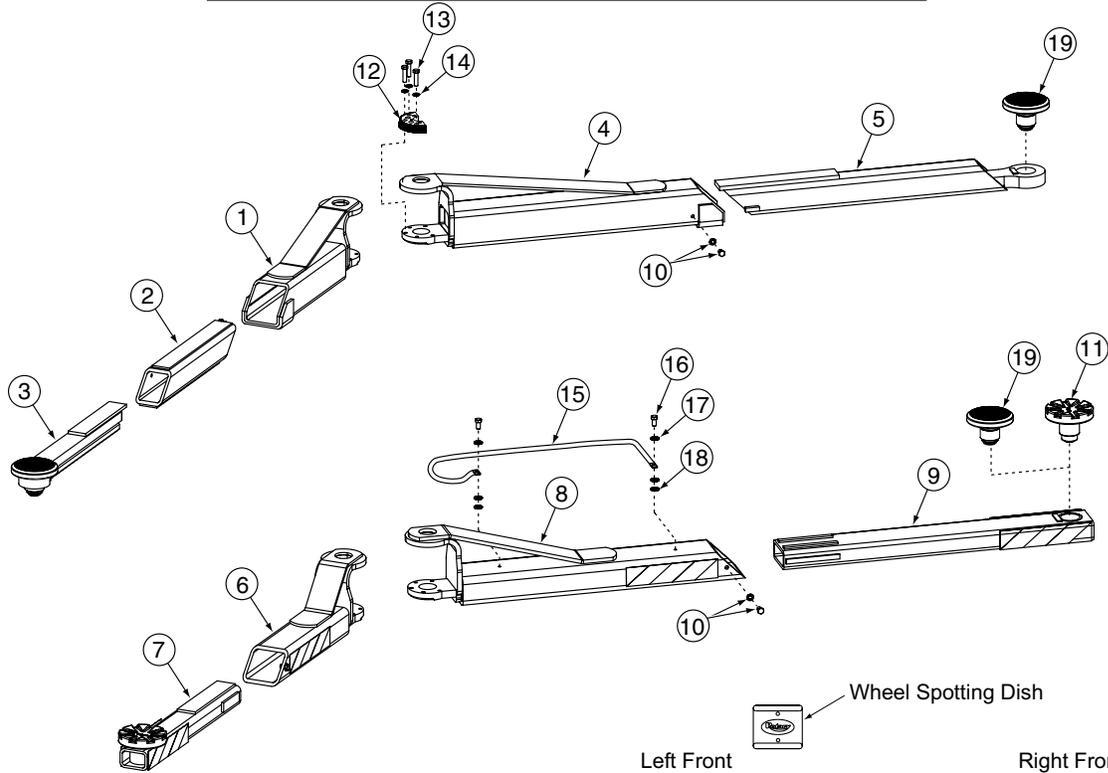
To find out if you have a E or S model Power Unit look at the 4th letter from the end of your lift model number.

EXAMPLE: SPOA30IE585 would be a E Model.



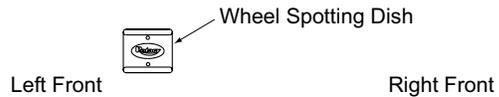
Model number can be found on a tag on the side of the lift.

SPOA30/SPOA40/SPO40 ARM DETAIL



ARM DETAIL PARTS LIST

| | | |
|---|--|----------|
| 1 | Front Outer 3-Stage Arm SPOA30/SPOA40 (5GX Series) | N2224-1 |
| 2 | Front Middle 3-Stage Arm SPOA30/SPOA40 (5GX Series) | N2220-10 |
| 3 | Front Inner 3-Stage Arm SPOA30/SPOA40 (5GX Series) | N2220-6 |
| 4 | Rear Outer Arm SPOA30/SPOA40 (5GX Series) | N2225-1 |
| 5 | Rear Inner Arm SPOA30/SPOA40 (5GX Series) | N2225-4 |
| 6 | Front Outer Arm SPOA30 | N2190-1 |
| | SPOA40 | N2192-1 |
| | SPO40 | N2194-1 |
| 7 | Front Inner Arm SPOA30 | N284-1 |
| | SPOA40 | N286-1 |
| | SPO40 | N288-1 |
| 8 | Rear Outer Arm SPOA30 | N2191-1 |
| | SPOA40 | N2193-1 |
| | SPO40 | N2194-1 |
| 9 | Rear Inner Arm SPOA30 | N285-1 |
| | SPOA40 | N287-1 |
| | SPO40 | N288-1 |



| | | |
|----|--|--------|
| 10 | Stop Bolt Assembly 3/8" Internal Tooth Washer | 40843 |
| | 3/8"-16NC x 5/8" Lg. HHCS Gr. 8, Plated | 40155 |
| 11 | Adapter Assembly | FJ6166 |
| | Low Profile Adapter Assembly | FJ6191 |
| 12 | Restraint Gear | N2122 |
| 13 | 3/8"-16NC x 1-1/2" HHCS Gr. 5, Plated | 40200 |
| 14 | 3/8" Medium Spring Lock Washer | 40818 |
| 15 | Arm Guard SPOA30 (Rear) | N244-4 |
| | SPOA40 (Rear) | N246-4 |
| | SPO40 (Left Front/Right Rear/Left Rear) | N244-4 |
| | SPO40 (Right Front) | N247-4 |
| 16 | 5/16"-18NC x 3/4" Lg. HHCS | 40252 |
| 17 | 5/16" Medium Spring Lock Washer | 40850 |
| | 185/16" Flat Washer SAE Standard, Plated | 40856 |
| 19 | Low Profile 3-Stage Adapter | FJ6202 |

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A DOVER COMPANY

