

# COATS®

## MaXX Series

### Rim Clamp® Tire Changers

For servicing single piece automotive and most tubeless light truck tire/wheel assemblies.

Any other type, including tube type and agricultural, require special handling. Tires identified as truck tires need to adhere to OSHA standard 1910.177.



### *Parts Identification*

READ these instructions before placing unit in service. KEEP these and other materials delivered with the unit in a binder near the machine for ease of reference by supervisors and operators.

**HENNESSY**  
**INDUSTRIES**

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HENNESSY INDUSTRIES INC. Manufacturer of AMMCO®, COATS® and BADA® Automotive Service Equipment and Tools.

Manual Part No.: 85611065 15  
Revision: 10/18

## **Parts Identification**

The following pages include parts breakdowns with exploded view illustrations to help with ordering replacement or spare kits. Assemblies are noted where it is recommended that individual parts not be ordered separately. Note that the parts view illustrations are for multiple models and not all parts shown are on all models. Every effort is made to supply accurate exploded views, however, due to interim changes in manufacturing operations, some units may not be exactly as illustrated.

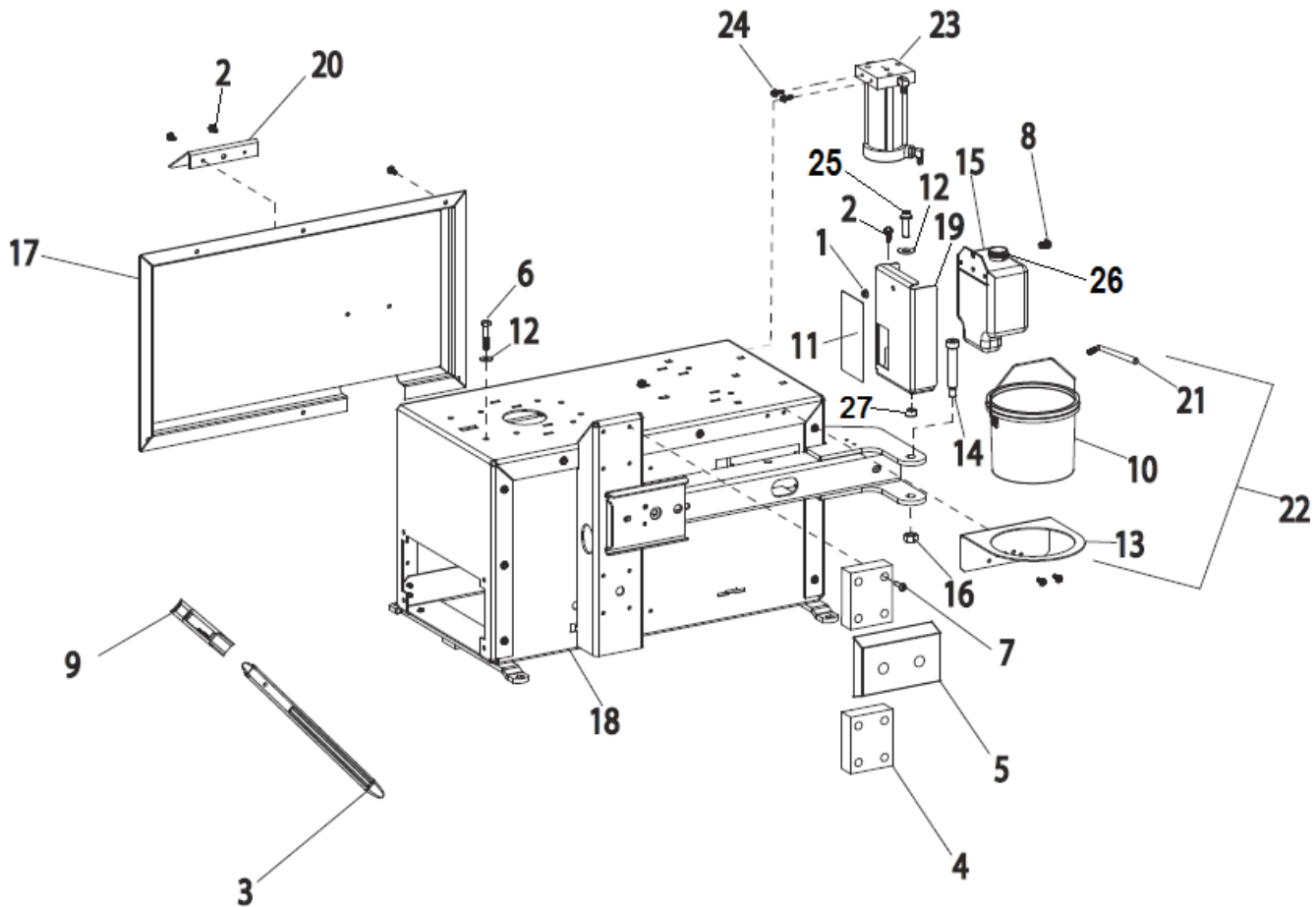
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## Chassis System

| Item | Part No. | Description                 |
|------|----------|-----------------------------|
| 1    | 8182178  | Nut - 5/16-18               |
| 2    | 8106301  | Screw-1/4-20 X .75          |
| 3    | 8181354  | Tool - Lifting, Bead        |
| 4    | 8181851  | B.L. Pad - Front            |
| 5    | 8181855  | Pad - B.L., Center          |
| 6    | 8182040  | Hex Hd Cap Screw            |
| 7    | 8182088  | Torx Pan HD. Self Tap       |
| 8    | 8183452  | Screw - Flange, Washer, Hex |
| 9    | 8183496  | Bootie - Bead Lifting Tool  |
| 10   | 8183710  | Cream-Mounting              |
| 11   | 85610370 | Decal-Filter/Lubricator     |
| 12   | 8301032  | Washer - Flat, 3/8"         |
| 13   | 85000389 | Bracket - Lube Bucket       |

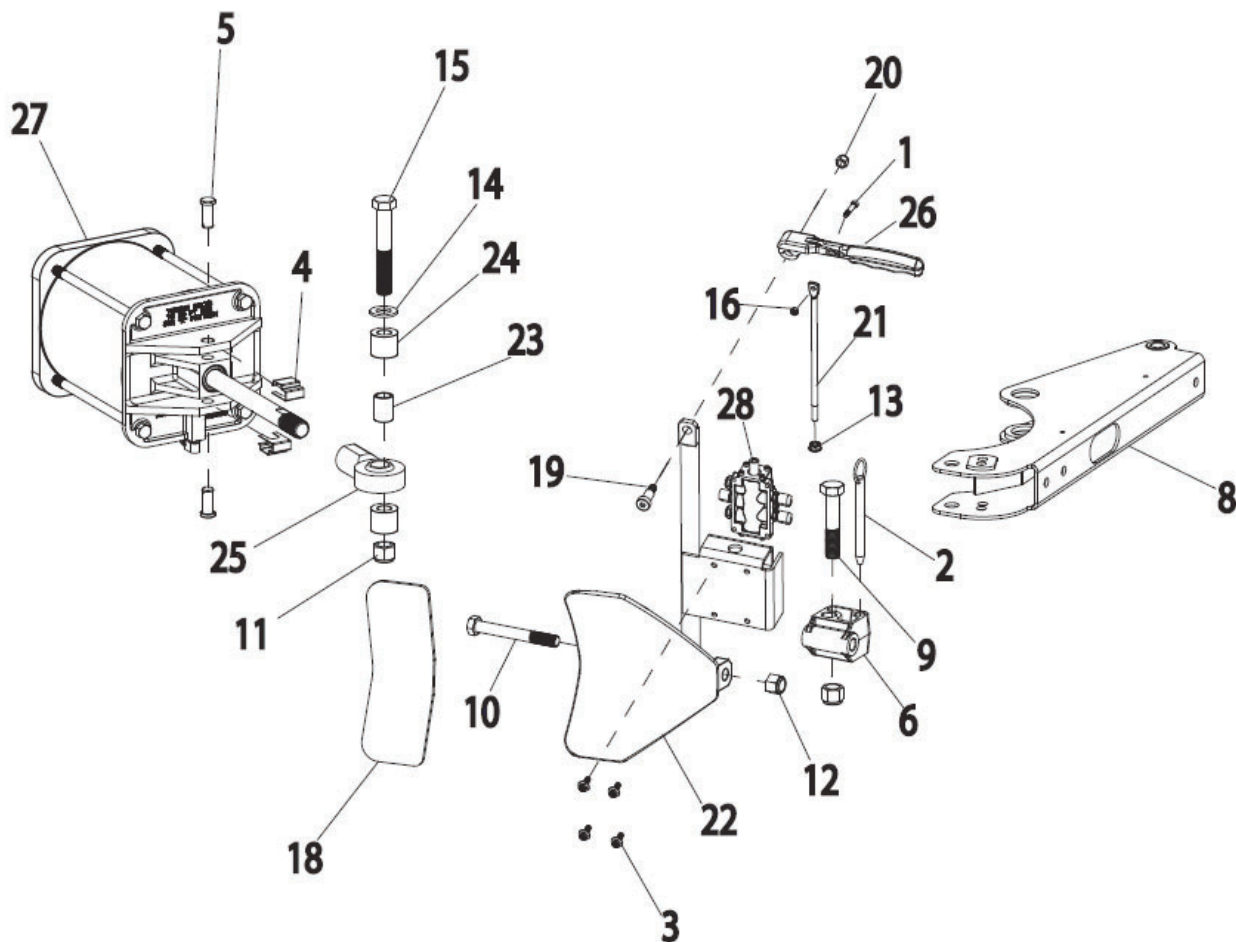
| Item | Part No.   | Description                     |
|------|------------|---------------------------------|
| 14   | 85608582   | Screw - 3/4x3.5                 |
| 15   | 85610404   | Tank, Lube Oil Reservoir        |
| 16   | 85610432   | Nut-Hex,Lck,Rvrs,5/8-11         |
| 17   | 85610820   | Panel-Side                      |
| 18   | 85610963   | Chassis W/C                     |
| 19   | 85611044C3 | Bracket-Filter/Lubricator       |
| 20   | 818281102  | Cover - Inflation               |
| 21   | 85000850   | Tire Paste Brush                |
| 22   | 85009048   | Lube Bucket Bracket & Brush Kit |
| 23   | 85609766   | Water Separator                 |
| 24   | 8143168    | Screw-HHCS,1/4-20X3/4,Whiz Lck  |
| 25   | 7110070    | Whiz Lock Bolt, 3/8-16          |
| 26   | 8561040601 | Cap, Tank                       |
| 27   | 8106303    | Whiz Lock Hex Nut               |



## BL Arm Assembly

| Item | Part No.  | Description               |
|------|-----------|---------------------------|
| 1    | 925757    | Screw - Shoulder          |
| 2    | 8120326   | Detent Pin - BL.          |
| 3    | 8143168   | Screw - Whiz Lock,        |
| 4    | 8181912   | Clip Clevis Retainer      |
| 5    | 8181949   | Pin-Clevis                |
| 6    | 8181951   | Block - Pivot             |
| 7    | 8181970   | Decal-Bead Loosener       |
| 8    | 818200205 | Bead LOOSENER ARM         |
| 9    | 8182009   | Screw HHCS 3/4"-10 U.N.C. |
| 10   | 8182011   | Screw HHCS 5/8"-11 U.N.C. |
| 11   | 8182016   | Nut - 3/4-10 UNC, Lock    |
| 12   | 8182043   | Nut 5/8-11 Gr.5 NYLON     |
| 13   | 8182178   | Nut - Whiz Lock           |
| 15   | 8182579   | Hex Head Cap Screw        |

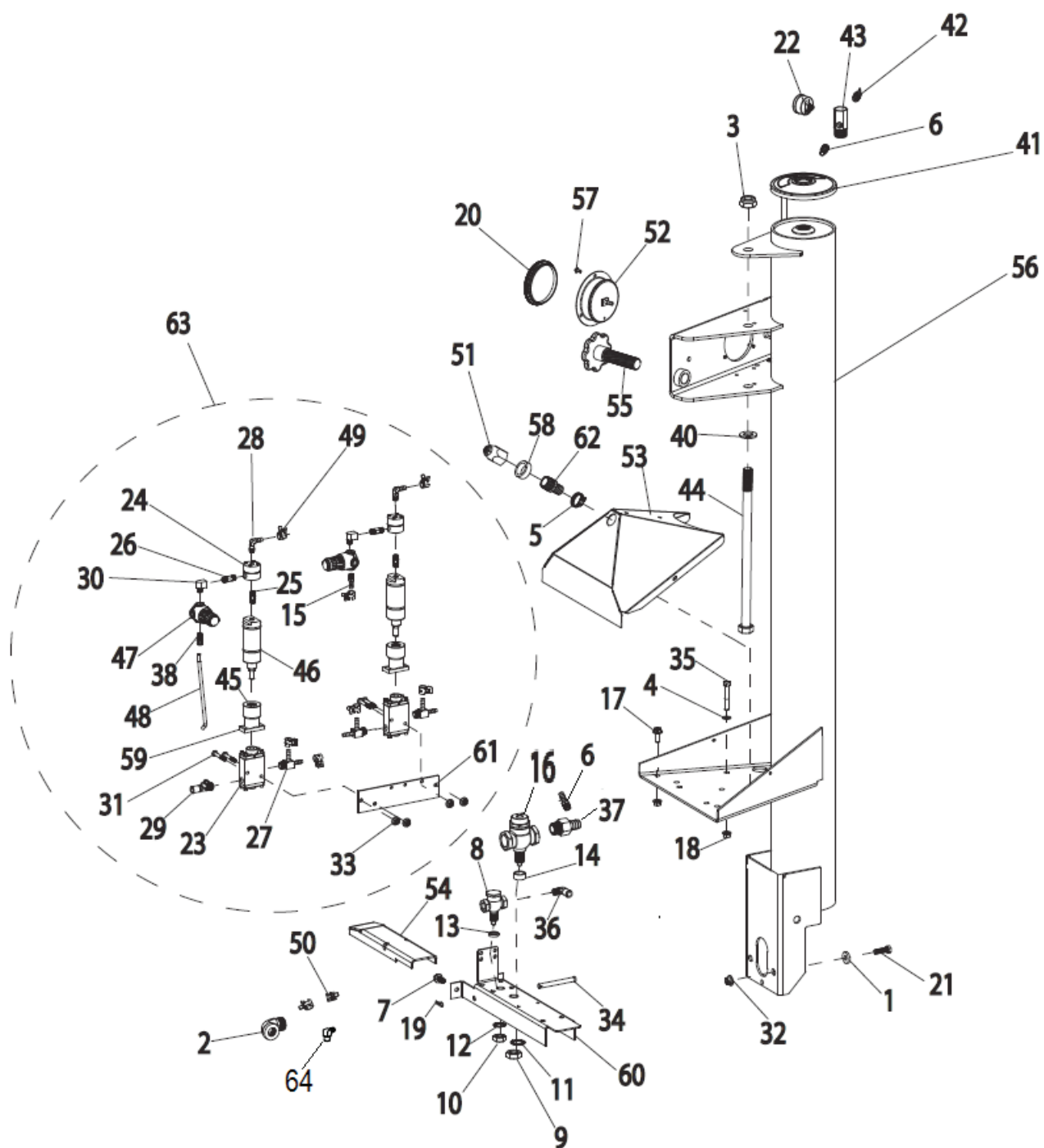
| Item | Part No. | Description                |
|------|----------|----------------------------|
| 16   | 8182682  | Nylock HEX NUT - 10/24 UNC |
| 17   | 8182768  | Decal-Caution B.L. Arm     |
| 18   | 8183606  | Shoe-Bead Loosener         |
| 19   | 8185558  | Screw - Shoulder 1/2"      |
| 20   | 8301035  | Nut-3/8-16 Hex Nyloc       |
| 21   | 85608037 | Link_Lever                 |
| 22   | 85608038 | Shoe-W/PVT&HNDLE,WLDMNT    |
| 23   | 85608566 | Spacer-BL, Inner           |
| 24   | 85608567 | Spacer-BL, Outer           |
| 25   | 85608569 | Joint-Heim,B/L             |
| 26   | 85610228 | Lever-B/L,Cast             |
| 27   | 85610832 | Cylinder Assembly          |
| 28   | 85610845 | Valve_Asm_BL               |



## Inflation Bracket and Tower Assembly

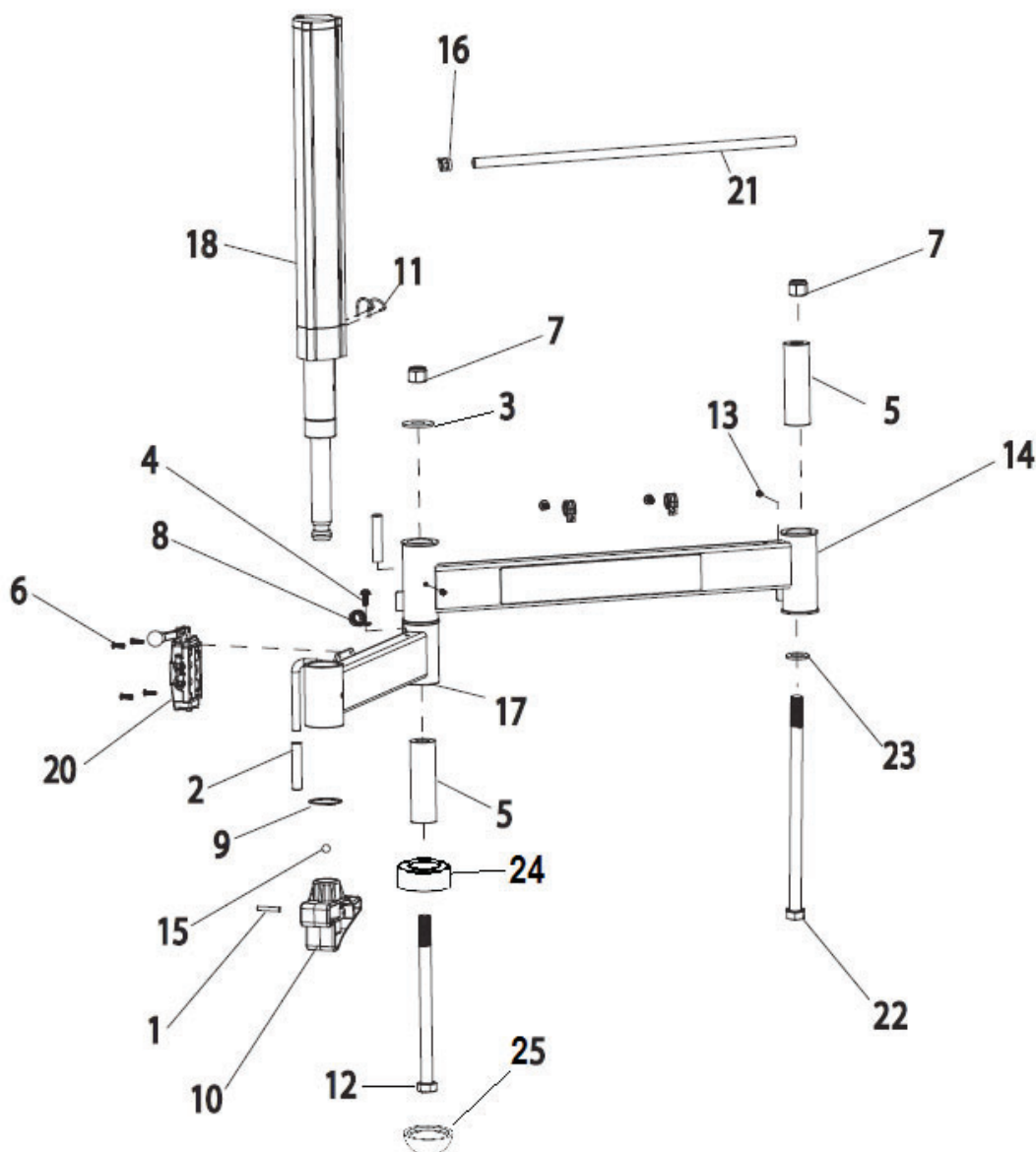
| Item | Part No. | Description                      | Item | Part No.   | Description                       |
|------|----------|----------------------------------|------|------------|-----------------------------------|
| 1    | 8000240  | Washer - Special                 | 51   | 85608894   | Nozzle_Blank                      |
| 2    | 8000572  | 3/4 X 90 Deg Street ELL          | 52   | 85610708   | Air Gauge                         |
| 3    | 8100957  | Nut_Nylock_.75-10                | 53   | 85610791   | Cover Assembly                    |
| 4    | 8101018  | Washer                           | 54   | 85610809   | Pedal-Inflation                   |
| 5    | 8101346  | Clamp - Hose, .5 TO 1.25 I.D.    | 55   | 85610881   | Knob-8 Point W/1-14 UNS Stud      |
| 6    | 8000378  | Fitting - Hose, 1/4NPT           | 56   | 85611047   | Tower-Air Receiver                |
| 7    | 8102459  | Bolt - Self Tapping              | 57   | 85611048   | Rivet-.203-19/64 Drive Blind      |
| 8    | 8104600  | Valve - 1/4, Ported              | 58   | 85611051   | Bushing-Nylon DIA.1.5             |
| 9    | 8104610  | Nut - Jam, 3/4-16                | 59   | 85611062   | Cylinder Limiter - Pressure       |
| 10   | 8104611  | Nut - Jam, 5/8-11                | 60   | 818193204  | Bracket-Valve, Inflation          |
| 11   | 8104612  | Washer - LK, External, 3/4 DIA   | 61   | 8560817601 | BRKT_Dual_Limiter                 |
| 12   | 8104613  | Washer - LK, External, 5/8 DIA   | 62   | 8104573    | Fitting-Strght,3/4                |
| 13   | 8104673  | Bushing - Valve, 1/4"            | 63   | 85611062   | Pressure Limiter Assembly         |
| 14   | 8104674  | Bushing - Valve, 3/4"            | 64   | 8184256    | Fittiing-ELL, 1/4 NPTF x 3/8 Hose |
| 15   | 8104844  | Fitting-Hose,1/8NPT TO 1/4BARB   |      |            |                                   |
| 16   | 8106298  | Valve - 3/4, Ported              |      |            |                                   |
| 17   | 8106302  | Screw - HSWF, 3/8-16 X 7/8       |      |            |                                   |
| 18   | 8106303  | Nut - 3/8 - 16 UNC               |      |            |                                   |
| 19   | 8107407  | Hitch Pin Retainer               |      |            |                                   |
| 20   | 8107517  | Gauge Lens (Threaded)            |      |            |                                   |
| 21   | 8107715  | Screw 3/8-16 UNC x 1 1/4"        |      |            |                                   |
| 22   | 8108968  | Gauge - Air, 0-300, 1/8" NPT     |      |            |                                   |
| 23   | 8109466  | Valve-Pneumatic                  |      |            |                                   |
| 24   | 8109468  | Pressure Repeater                |      |            |                                   |
| 25   | 8109471  | Nipple - HEX, 1/8 NPT            |      |            |                                   |
| 26   | 8109472  | 1/8" Filter/Nipple               |      |            |                                   |
| 27   | 8110325  | Fitting-Tee,1/4 NPTM             |      |            |                                   |
| 28   | 8110497  | Fitting-90EL, 1/8NPTMX 1/4 HOSE  |      |            |                                   |
| 29   | 8111255  | Fitting-Tee, 1/4NPTM X 3/8X1/4   |      |            |                                   |
| 30   | 8120316  | Fitting-Elbow, 1/8NPT            |      |            |                                   |
| 31   | 8120408  | 1/4-20 x 1 3/4 HH Cap            |      |            |                                   |
| 32   | 8120424  | 3/8 - 16 UNC Washer              |      |            |                                   |
| 33   | 8143169  | 1/4-20 UNC Whiz Locknut          |      |            |                                   |
| 34   | 8180103  | Standard Clevis Pin              |      |            |                                   |
| 35   | 8181137  | Screw - 3/8-16 X 2.25 HHCS       |      |            |                                   |
| 36   | 8181998  | Fitting - Elbow, 1/4NPTMX 3/8TBE |      |            |                                   |
| 37   | 8182020  | Fitting - 3/4 NPT X 3/4 HOSE     |      |            |                                   |
| 38   | 8182035  | Fitting-Straight, 1/8NPTMX 1/4TB |      |            |                                   |
| 39   | 8182052  | Inflation Hose Assembly          |      |            |                                   |
| 40   | 8182457  | Washer- .812 ID X 1 1/2 OD       |      |            |                                   |
| 41   | 8182458  | Cap-Tower/Reservoir              |      |            |                                   |
| 42   | 8182599  | Relief Valve-1/4 NPT             |      |            |                                   |
| 43   | 8183434  | Manifold                         |      |            |                                   |
| 44   | 8183635  | Hex Head Bolt                    |      |            |                                   |
| 45   | 85009075 | Adaptor - Press. Limiter         |      |            |                                   |
| 46   | 85009137 | Cylinder - Double                |      |            |                                   |
| 47   | 85009138 | Regulator - Preset Non-Adj       |      |            |                                   |
| 48   | 85009139 | 1/4" O.D. Nylon Tube             |      |            |                                   |
| 49   | 85606362 | Clamp-Hose, Spring,13 mm         |      |            |                                   |
| 50   | 85606363 | Clamp-Hose, Spring,16 mm         |      |            |                                   |

# Inflation Bracket and Tower Assembly



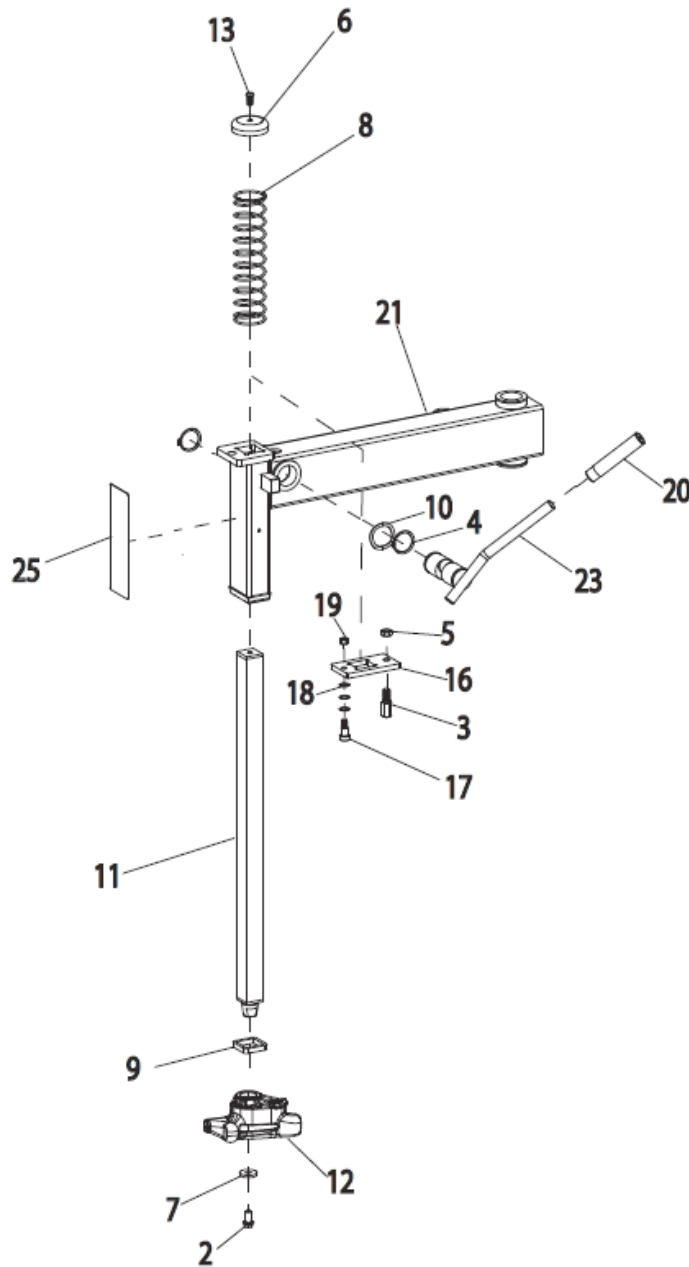
## Robo-Arm® Assembly

| Item | Part No. | Description               | Item | Part No. | Description                     |
|------|----------|---------------------------|------|----------|---------------------------------|
| 1    | 905563   | Roll Pin                  | 13   | 8184226  | Fitting - Grease 1/4-28         |
| 2    | 7000230  | Grip - Handle             | 14   | 8184904  | Weldment Rear Arm               |
| 3    | 8100994  | Washer-Flat               | 15   | 8301017  | Ball - Steel                    |
| 4    | 8106301  | Screw-1/4-20 X .75        | 16   | 85606362 | Clamp-Hose, Spring,13 mm        |
| 5    | 8181038  | Pivot Pin                 | 17   | 85607618 | Weldment-Arm Front, Black       |
| 6    | 8182001  | Screw - 10-24 X .75, SHCS | 18   | 85608884 | Cylinder-2.5" RC, Assy          |
| 7    | 8182016  | Nut - 3/4-10 UNC, Lock    | 19   | 85610656 | Screw, 1/4-20x5/16 BHCS         |
| 8    | 8182044  | Clamp - Neoprene Cushion  | 20   | 8185757  | Helper Arm Valve Assem          |
| 9    | 8183637  | Ring - Retaining          | 21   | 8099053  | Hose-1/4X58"                    |
| 10   | 85009167 | Foot                      | 22   | 8183635  | Screw-HHCS,3/4-10X14.5,G5,BLOX  |
| 11   | 8183679  | 1/8" Dia Nylon Tube,6" LG | 23   | 8182457  | Washer-Flat,3/4 SAE             |
| 12   | 8183703  | Screw-HHCS,3/4-10X11      | 24   | 8183636  | Spacer, .781 ID x 2.75 OD x 1.5 |
|      |          |                           | 25   | 85611353 | Rubber Cushion                  |



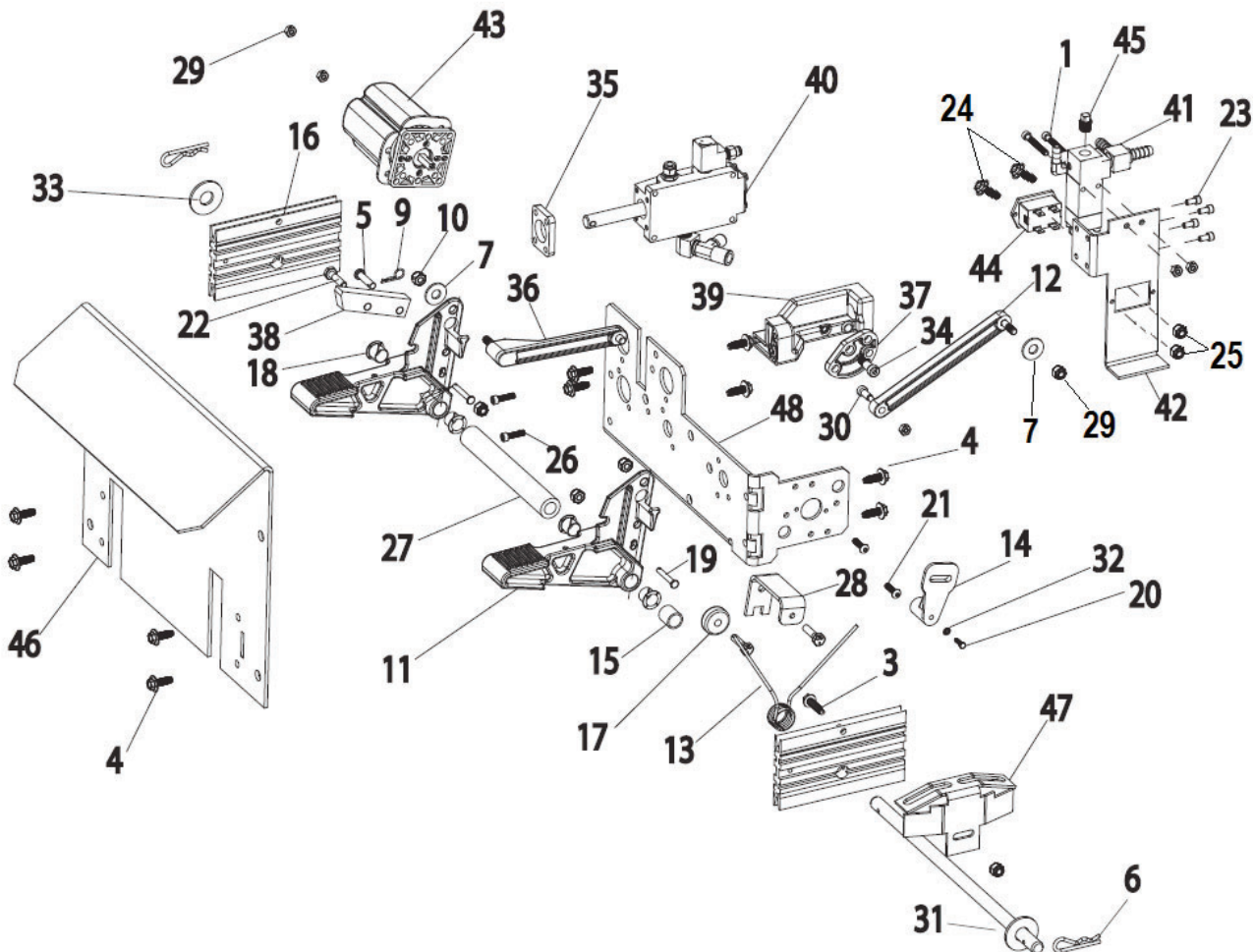
## Swing Arm Assembly

| Item | Part No. | Description                  | Item | Part No. | Description             |
|------|----------|------------------------------|------|----------|-------------------------|
| 2    | 8106302  | Screw - HSWF, 3/8-16 X 7/8   | 14   | 8183710  | Cream -Mounting         |
| 3    | 8181035  | Pin-Lift, Plate, Lock        | 16   | 85606343 | Lock Plate              |
| 4    | 8181095  | External Retaining Ring      | 17   | 85606344 | Screw - Shoulder 1/2"   |
| 5    | 8181113  | Nut - Jam, 1/2"-13           | 18   | 85606345 | Shim                    |
| 6    | 8181771  | Cap - Vertical Slide         | 19   | 85610655 | Nut-Hex,Lck,RVRS,3/8-16 |
| 7    | 8182027  | Washer 1.32 O.D. x .406 I.D. | 20   | 85610810 | Grip-Vertical Slide     |
| 8    | 8182028  | Spring - Compression         | 21   | 85610852 | Swing Arm Assembly W/C  |
| 9    | 8182031  | Bumper - Rubber Stop         | 23   | 85610989 | Rh Lock Handle          |
| 10   | 8182371  | Wave Spring Washer           | 25   | 85610961 | Decal-Swing Arm Guard   |
| 11   | 8182812  | Shaft-Vertical Slide         |      |          |                         |
| 12   | 8182960  | Mount/Demount Head           |      |          |                         |
| 13   | 8183151  | Screw, BHSCS 5/16-18 UNC     |      |          |                         |



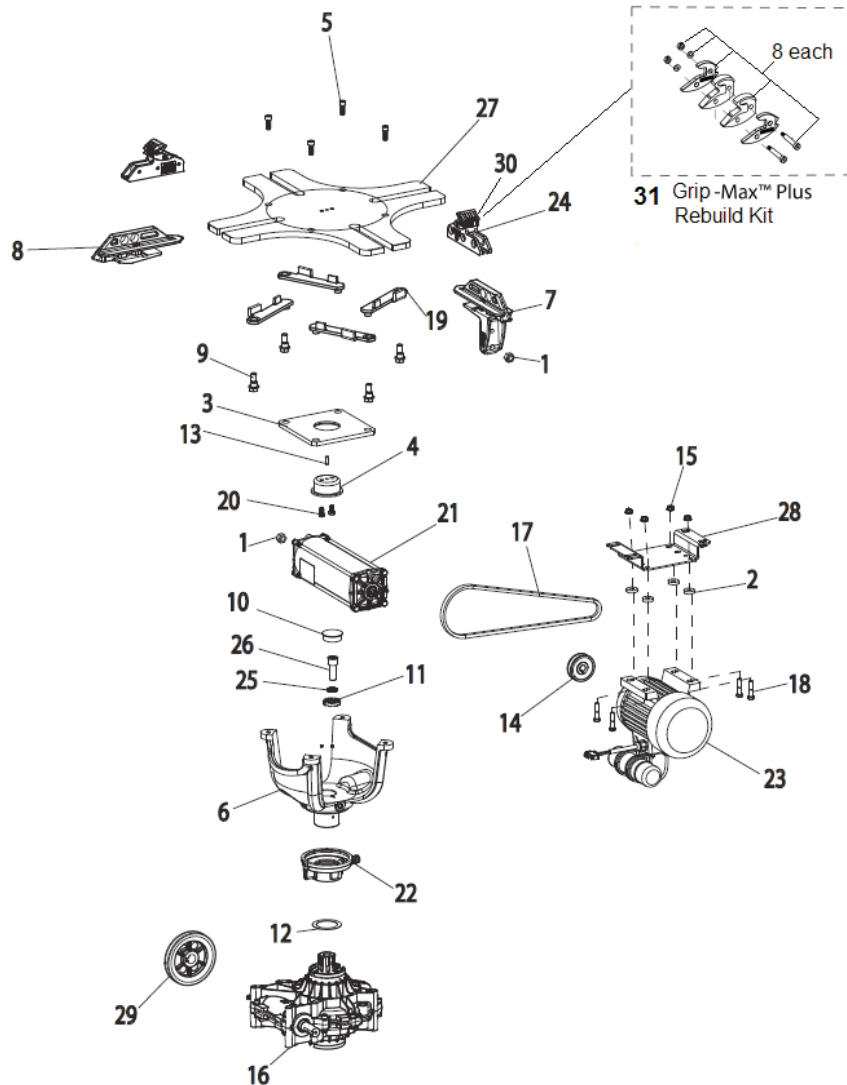
## Foot Pedal Assembly

| Item | Part No. | Description                     | Item | Part No.   | Description                    |
|------|----------|---------------------------------|------|------------|--------------------------------|
| 1    | 922585   | Screw, SHCS 10-24 X 1 1/2       | 26   | 8182001    | Screw, SHCS 10-24 X 3/4        |
| 3    | 8104945  | 1/4 X 1 Self Tapping Bolt       | 27   | 8182358    | Spacer-Pedal                   |
| 4    | 8106301  | Screw-1/4-20 X .75,             | 28   | 818236302  | Bracket - Elec., Switch Ext.   |
| 5    | 8106455  | Pin Clevis                      | 29   | 8182682    | Nylock Hex Nut - 10/24 UNC     |
| 6    | 8107419  | Hitch Pin                       | 30   | 8182743    | Screw - SHSS, 1/4 X 1/2        |
| 7    | 8107635  | Washer-Flat,5/16                | 31   | 8183398    | Shaft-Pedal                    |
| 9    | 8120469  | Hair Pin Clip                   | 32   | 8301072    | # 6 Internal Washer            |
| 10   | 8181369  | Nut-Hex 1/4-20 UNC Nylock       | 33   | 8301121    | Washer, Plain .562IDx1.375OD   |
| 11   | 8181675  | Pedal-Standard                  | 34   | 8301537    | Screw-5/16"x1/2" SSS           |
| 12   | 8181699  | Lever - Switch Actuator         | 35   | 85009982   | Spacer Valve Tt Clamp          |
| 13   | 8181707  | Torsion Spring                  | 36   | 85010038   | Link-Cam Follower              |
| 14   | 8181728  | Lever - Switch Actuator         | 37   | 85608195   | Link-Pivot                     |
| 15   | 8181872  | Sleeve-Switch Spring            | 38   | 85608197   | Stop-Pedal                     |
| 16   | 8181918  | Bar-Spacer, Valve               | 39   | 85608560   | Block-Stp, Pdl, Lwr, Assy      |
| 17   | 8181923  | Stop Washer                     | 40   | 85610867   | Valve Ass'y                    |
| 18   | 8181948  | Bearing-Nyliner                 | 41   | 85610869   | Oil Injector Ass'y             |
| 19   | 8181977  | Pin Clevis                      | 42   | 85610870   | Bracket-Oil Injector           |
| 20   | 8181982  | Screw - HHCS, 3mm X .5 X 12mm   | 43   | 85610895   | Switch And Wiring Diagram,220v |
| 21   | 8181983  | Screw - 10-24 X .75, BHSCS      |      | 8561089501 | Switch And Wiring Diagram,110v |
| 22   | 8181984  | Screw 1/4-20 X 1.00 HHCS        | 44   | 85610955   | Counter, Hour                  |
| 23   | 8181989  | Screw, SHCS 10-24 UNC           | 45   | 85611035   | Plug-1/8 NPT Sq Head           |
| 24   | 8301063  | Screw - #6-32x1/2               | 46   | 85611037   | Guard-Foot Pedal               |
| 25   | 8111055  | Nut-Lock, w/Nylon Collar, #6-32 | 47   | 818267004  | Guide Bracket                  |
|      |          |                                 | 48   | 8500998502 | Bracket-Mounting, Valve        |



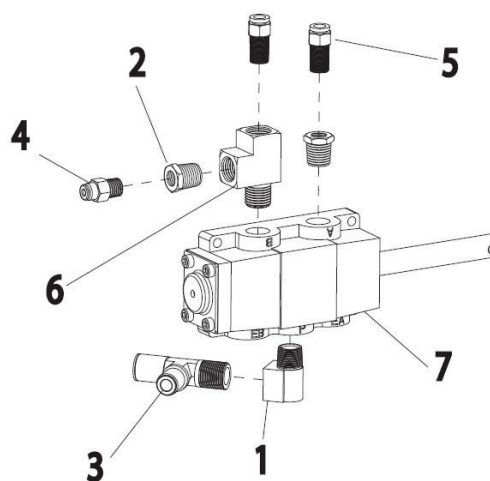
## Table Top Assembly

| Item | Part No. | Description                                     | Item | Part No.   | Description                            |
|------|----------|-------------------------------------------------|------|------------|----------------------------------------|
| 1    | 8101039  | 1/2 Lock Nut                                    | 19   | 85610388   | Link-Pivot                             |
| 2    | 8120369  | Washer, Rubber, 1/4" X 3/8" X 1"                | 20   | 85610716   | Screw-5/16-18 X5/8" HEX CAP            |
| 3    | 8181731  | Plate - Pivot                                   | 21   | 85610838   | Cylinder-Assy, 4"                      |
| 4    | 8181733  | Block - Pivot, Clamp                            | 22   | 85610840   | Coupling-Rotary, Assembly              |
| 5    | 8181929  | Bolt-Soc. HD. Cap Screw                         | 23   | 85610984   | Motor-Electric 208-230V<br>50/60HZ,1PH |
| 6    | 8181990  | Spider Assembly                                 |      | 85611151   | Motor-Electric 115V, 60Hz, 1PH         |
| 7    | 8182248  | Carrier/Cover-Clamp                             | 24   | 85611033   | Clamp - Plus                           |
| 8    | 8182249  | Carrier/Cover-Clamp                             | 25   | 85611049   | Washer-5/8 M16 Locking Pair            |
| 9    | 8182279  | Bolt-Link, Table                                | 26   | 85611050   | Screw-SHC M16X40                       |
| 10   | 8182627  | Plug                                            | 27   | 85611053   | Table Top                              |
| 11   | 8182979  | Washer-16 MM Bolt                               | 28   | 8560992101 | Bracket-Motor, Black                   |
| 12   | 8183156  | Washer - Special                                | 29   | 85607708   | Pulley-Transmission                    |
| 13   | 8183476  | Roll Pin                                        | 30   | 85611029   | Grip Max (one only)                    |
| 14   | 8184674  | Pulley - Motor                                  |      | 8561102908 | Grip Max (Bag of 8)                    |
| 15   | 8182178  | Nut - Hex, Whiz-Lock                            |      | 8561102916 | Grip Max (Bag of 16)                   |
| 16   | 85607709 | Transmission Assy                               |      | 8561102948 | Grip Max (Bag of 48)                   |
| 17   | 85611409 | V-Belt, Cogged                                  |      |            |                                        |
| 18   | 940084   | Capscrew, Serrated Washer HD<br>5/16-18 X 1-1/4 | 31   | 85611034   | Grip Max™ Plus Rebuild Kit             |



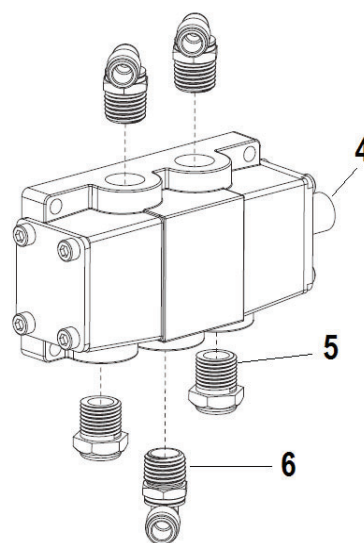
## Table Top Clamp Pedal Valve Assembly (85610867)

| Item | Part No.  | Description                          |
|------|-----------|--------------------------------------|
| 1    | 8000372   | Fitting - ELL, STRT, 1/4NPT, 90      |
| 2    | 8109481   | Fitting - Reducer                    |
| 3    | 8111255   | Fitting - Tee, 1/4NPTM X 3/8X1/4     |
| 4    | 8181996   | Fitting - Male, Straight             |
| 5    | 8182035   | Fitting - Straight, 1/8NPTMX 1/4TB   |
| 6    | 871101642 | Fitting - Tee, Strght, 1/4NPTMX 1/4F |
| 7    | 81843693A | Valve-4/Way, W/Pull Pin              |



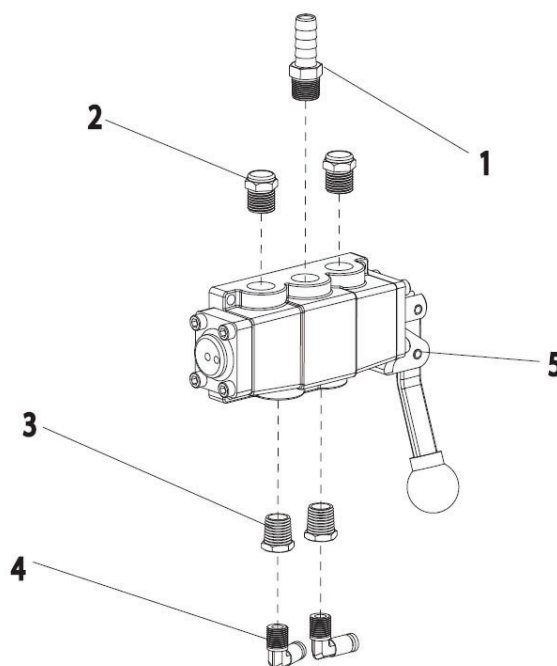
## Bead Loosener Arm Valve Assembly (85610845)

| Item | Part No. | Description                  |
|------|----------|------------------------------|
| 4    | 8184878  | Valve, Pedal Operated, 4 Way |
| 5    | 85607855 | Muffler, Small, 1/4" NPT     |
| 6    | 85611120 | Fitting - 90 Elbow Push-Conn |

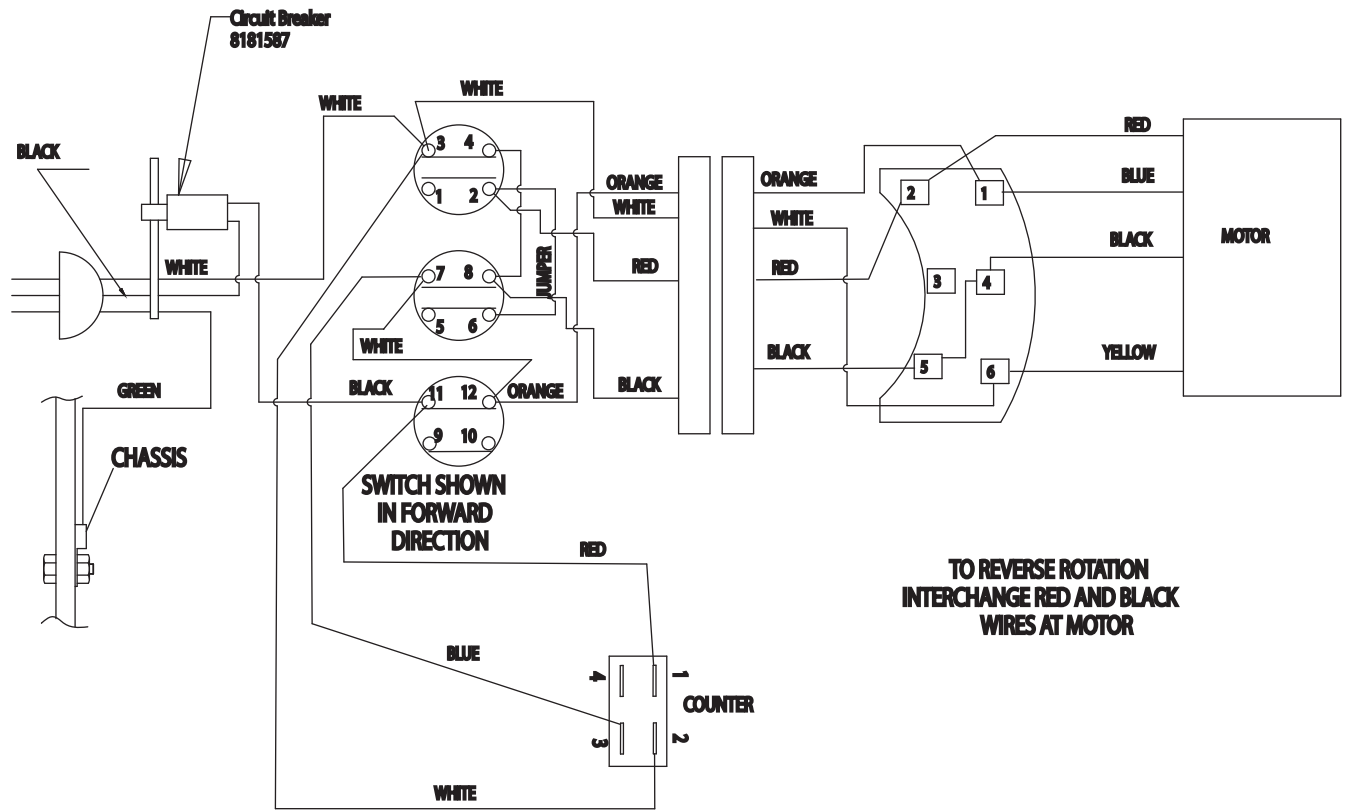


## Robo Arm Valve Assembly (8185757)

| Item | Part No. | Description             |
|------|----------|-------------------------|
| 1    | 8000378  | Fitting - Hose, 1/4NPT, |
| 2    | 85607855 | Muffler                 |
| 3    | 8109481  | Fitting - Reducer       |
| 4    | 8181997  | Fitting - Male Elbow,   |
| 5    | 8185585  | Valve-3 Position        |

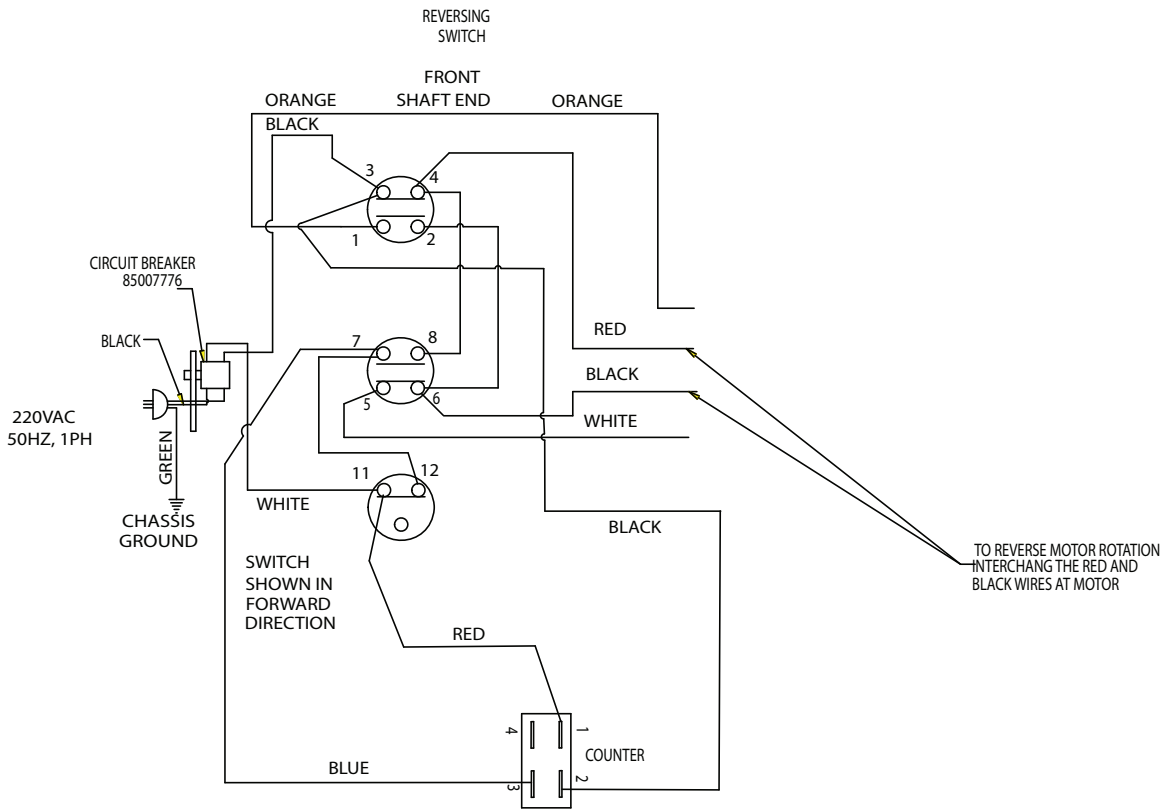


## Electrical Schematic - 110V



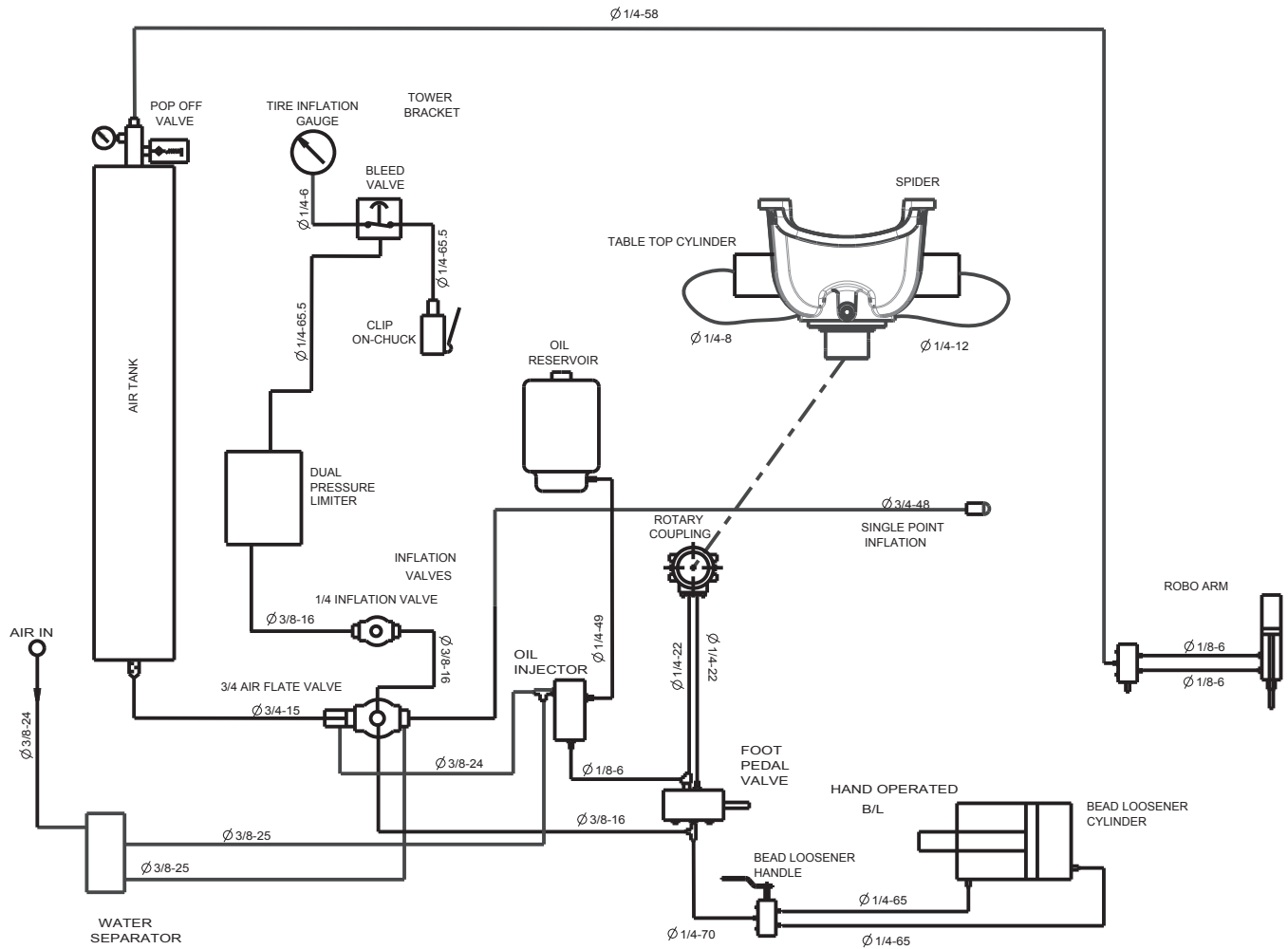
Power Cord Part Number 85610349, 110V  
Switch Cable Part Number 85610403, 110V  
Counter Part Number 85610955  
Switch Part Number 85609550

## Electrical Schematic - 220V



Power Cord Part Number 85611137, 250V  
Switch Cable Part Number 85609029, 220V  
Counter Part Number 85610955  
Switch Part Number 85609550

## Pneumatic Diagram



## Decal Layout

| Item | Part No. | Description                  |
|------|----------|------------------------------|
| 1    | 8140963  | Decal, Caution Water Level   |
| 2    | 85611104 | Decal, Inflation             |
| 3    | 85611100 | Decal, Side, Maxx            |
| 4    | 8182373  | Decal, Warning Rim Clamp     |
| 5    | 85610370 | Decal, Filter/Lube           |
| 6    | 8182768  | Decal, Caution, B.L. Arm     |
| 7    | 8181970  | Decal, Instructions B.L. Arm |
| 8    | 85610437 | Decal, Caution, 220V         |
|      | 8180237  | Decal, Caution, 115V         |
| 10   | 8109888  | Decal, Warning - Inflation   |
| 11   | 8183597  | Decal, Valve Bleed           |
| 12   | 85611102 | Decal, Front Maxx            |
| 13   | 85611103 | Decal, Foot Pedal            |
| 14   | 85000204 | Decal, Up/Down               |
| 15   | 85610681 | Serial Plate                 |
| 16   | 8182059  | Decal, Pressure Line         |

