

COATS®

GTS series

Model GTS70

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.: 85610676 00
Revision: 06/16

Parts Identification

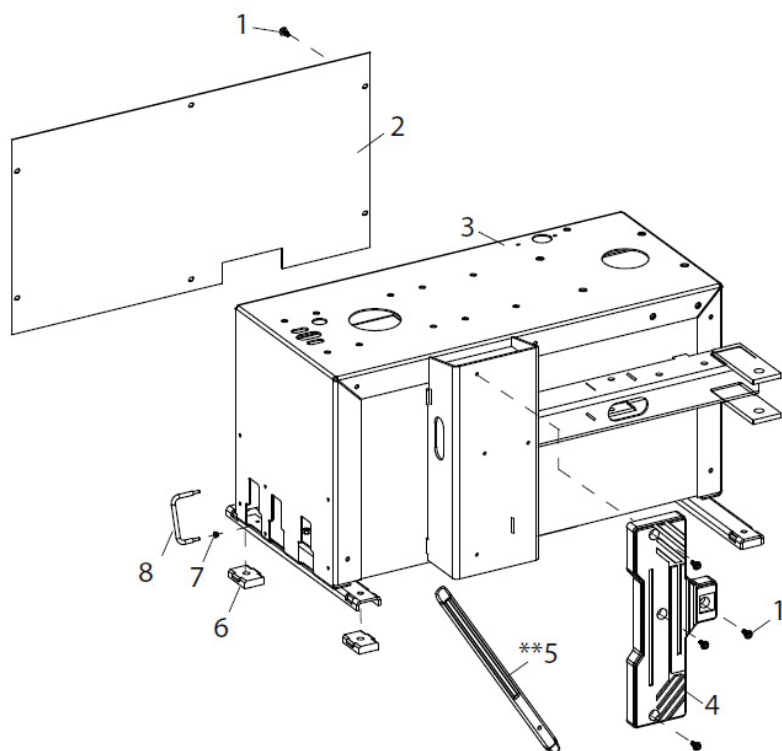
The following pages include parts breakdowns with exploded view illustrations to help with ordering replacement or spare kits. Assemblies are noted where it is recommended that individual parts not be ordered separately. Note that the parts view illustrations are for multiple models and not all parts 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 Assembly

Item	Part No.	Description
1	8106301	1/4" Hex Hd Self Tap Screw, Gr.5
2	85609504	Side Panel
3	85609396	Chassis
4	85607027	Bead Loosener Pad
**5	8181354	Bead Lifting Tool
6	85608633	Rubber Foot Pad
7	85608423	M5 Flange Nut
8	85609112	Isolating Pedal Fence



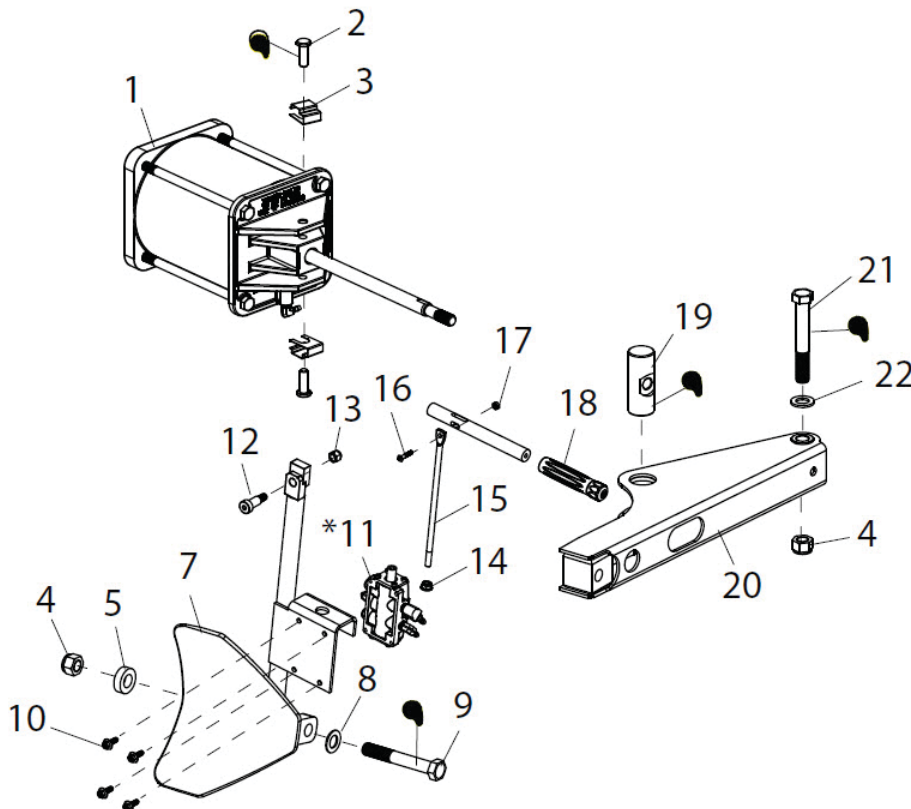
 APPLY GREASE TO THESE LOCATIONS

BL Arm Assembly

Item	Part No.	Description
1	85609288	B.L. Cylinder Assembly
2	8182708	Pivot Pin, B.L. Cylinder Rod
3	8181912	Clevis Clip
4	85607351	M18 x 2.5 Hex Nylock Nut
5	8182557	B.L. Spacer
**6	8183606	Shoe Bootie Kit, Pkg of 2
7	85609350	B.L. Shoe, Handle & Pivot
8	85608415	M18 Washer
9	85608457	M18-2.5 x 120mm HHCS, DIN 931 Class
10	8143168	1/4-20 x 3/4 Whiz Lock HHCS
*11	85608033	B.L. Arm Valve Assembly
12	8185558	Shoulder Screw
13	8301035	3/8-16 Hex Nyloc Nut
14	8182178	5/16-18, Hex. Whiz Lock Nut
15	85608037	Lever Link
16	85000047	10/24 x 1" HHCS Screw
17	8182682	Nut-Hex, Lk, Rvsble, #10-24
18	8100979	3/4", Rubber Hand Grip
19	85608407	Pivot Pin B.L. Cylinder Rod
20	85608409	B.L. Arm
21	85607352	M8 x 2.5-130 Bolt
22	85607359	M18 Flat Washer

*** Valve Assemblies (available only as individual components, see page 13)**

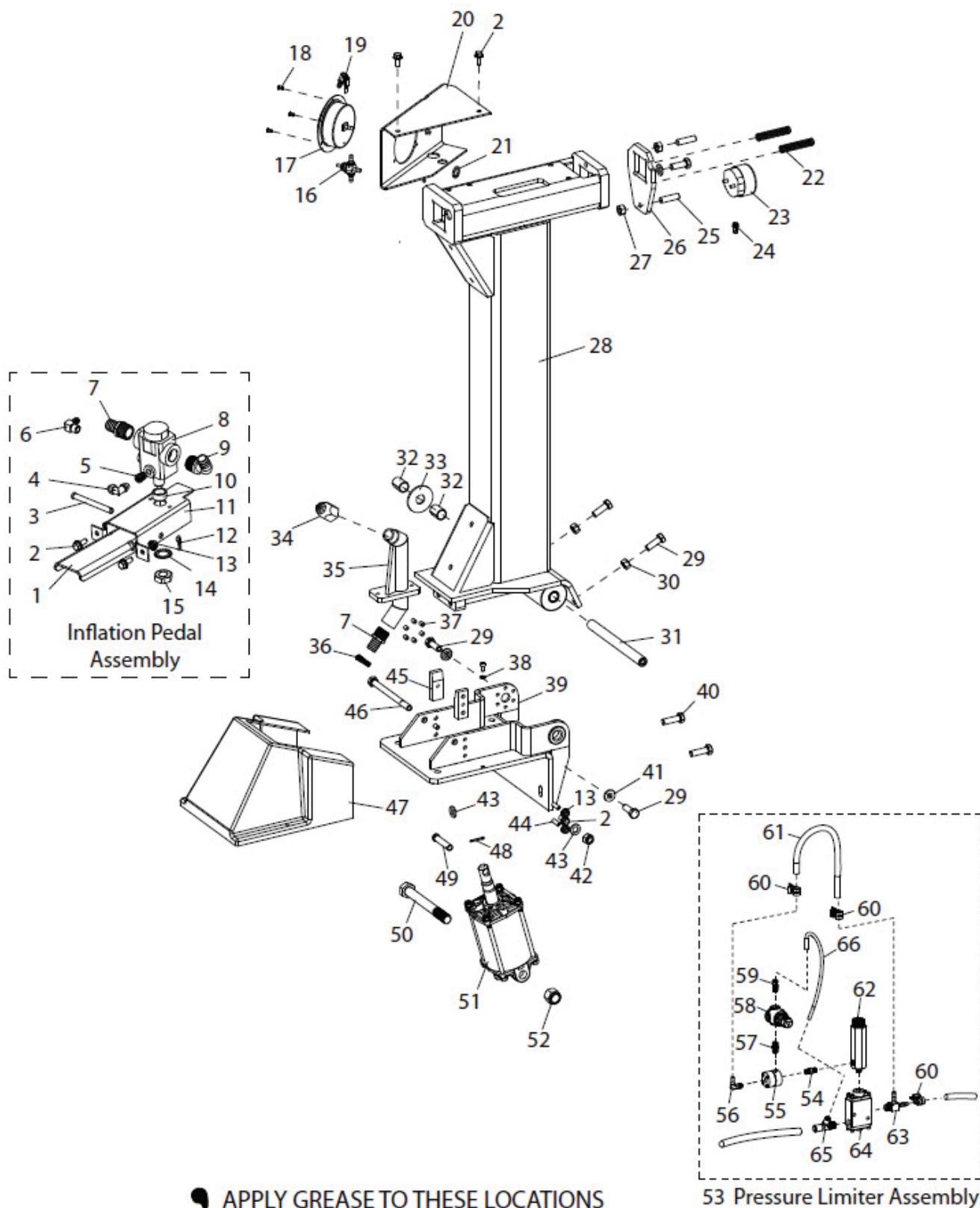
** Accessory Item



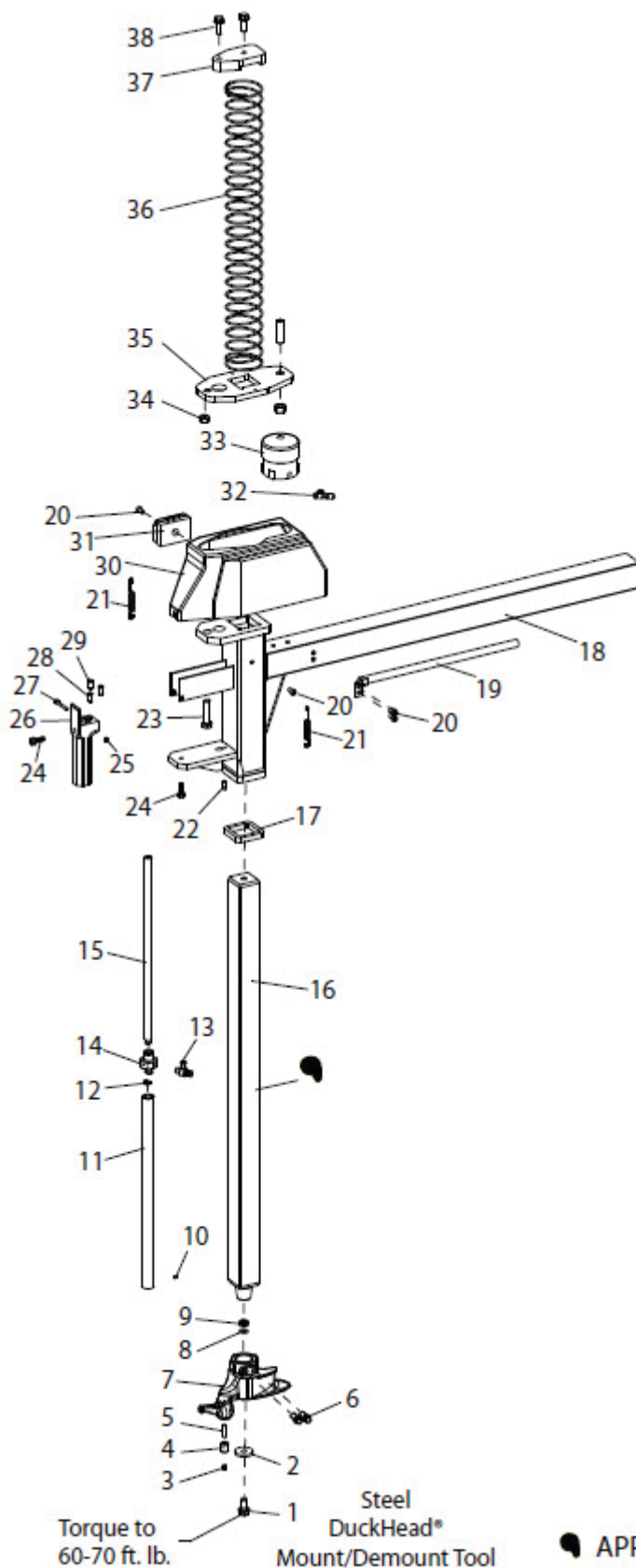
APPLY GREASE TO THESE LOCATIONS

Inflation Bracket & Tiltback Tower Assembly

Item	Part No.	Description	Item	Part No.	Description
1	85606995	Pedal Inflation	44	85608814	M8 x 1.25-25 Set Screw
2	85607362	M8x1.25 Whiz Lock HWHCS Screw	45	85608686	Adjustable Stopper
3	8180103	3/8 x 3-1/4 Clevis Pin	46	85608815	M12 x 1.75-150 HHCS Screw
4	85608299	1/8 NPT - 10mm Tube Rotary Fitting	47	85608829	Tiltback Tower Cover
5	8109481	1/4 NPT x 1/8 NPT RDCR Fitting	48	8102278	Cotter Pin
6	8184256	1/4 NPT, 1/4 HSE ELL Fitting	49	8120129	2 1/4" x 1 1/2" Clevis Pin
7	8104573	3/4" Straight Fitting	50	85608638	3/4-10 x 6-1/2 HHCS Screw, Gr.5
8	85607575	Dual Stage Valve	51	85608634	Tiltback Cylinder Assembly
9	8107924	3/4" 90° Nylon EL Fitting	52	8182016	3/4"-10 Nylon Insert Lock Nut, Gr.5
10	8104674	Bushing (3/4" Valve)	53	8111186	Pressure Limiter Assembly
11	85606994	Inflation Bracket	54	8109471	1/8" Brass Hex Nipple
12	8107407	Hitch Pin Retainer	55	8109468	Pressure Repeater
13	85607346	M8 Whiz Lock Hex Nut	56	8110497	Male Elbow 1/8 NPT x 1/4 Hose
14	8104612	3/4" Ext. Tooth Lock Washer	57	8109472	1/8" Inline Filter
15	8104610	3/4" N.F. Jam Nut Gr.5	58	8111083	Regulator
16	8183502	Manifold Bleed Valve Assembly	59	8182035	1/8 NPT x 1/4 Tube Male St. Fit.
17	8107985	Air Gauge w/Fasteners	60	85606362	13mm Spring Hose Clamp
18	8107983	Plastic Fastener	61	8103649	ø1/4 x 12" Hose
19	8410419	Air Chuck	62	8110496	Volume Chamber
20	85609293	Top Pivot Bracket	63	8110325	1/4" NPT Male Run Tee
21	85609389	Pivot Link Spacer	64	8109466	Piloted Valve
22	85608817	Compression Spring	65	8111255	1/4 NPT x 3/8 x 1/4 Spl Tee
23	85608695	60mm Pancake Cylinder Assembly	66	8182038	Nylon Tube 1/4 OD x 12.5" Lg.
24	8181996	1/8 NPT x 1/8" Straight Fitting			
25	85608871	M12-1.75x65 HHCS Screw, Class 1			
26	85608700	Horizontal Slide Locking Plate			
27	85609466	M12 x 1.75 Hex Nut			
28	85608660	Tiltback Tower			
29	85608770	M12-1.75x25 HHCS Screw, Class 1			
30	85607009	M12 x 1.75 Hex Nut			
31	85608687	Tiltback Tower Pivot Pin			
32	85608667	Bushing			
33	85608730	Special Washer			
34	85608894	Inflation Nozzle Cone			
35	85609585	Nozzle			
36	8101346	Hose Clamp			
37	85608434	M8 x 1 Set Screw			
38	80180035	M6 Flat Washer			
39	85608661	Tiltback Tower Bracket			
40	85607648	M12 x 1.75 x 40mm HHCS Bolt			
41	85608689	Special Washer			
42	85608816	M12 x 1.75 Nylon Lock Nut			
43	85606917	M12 Plain Washer			



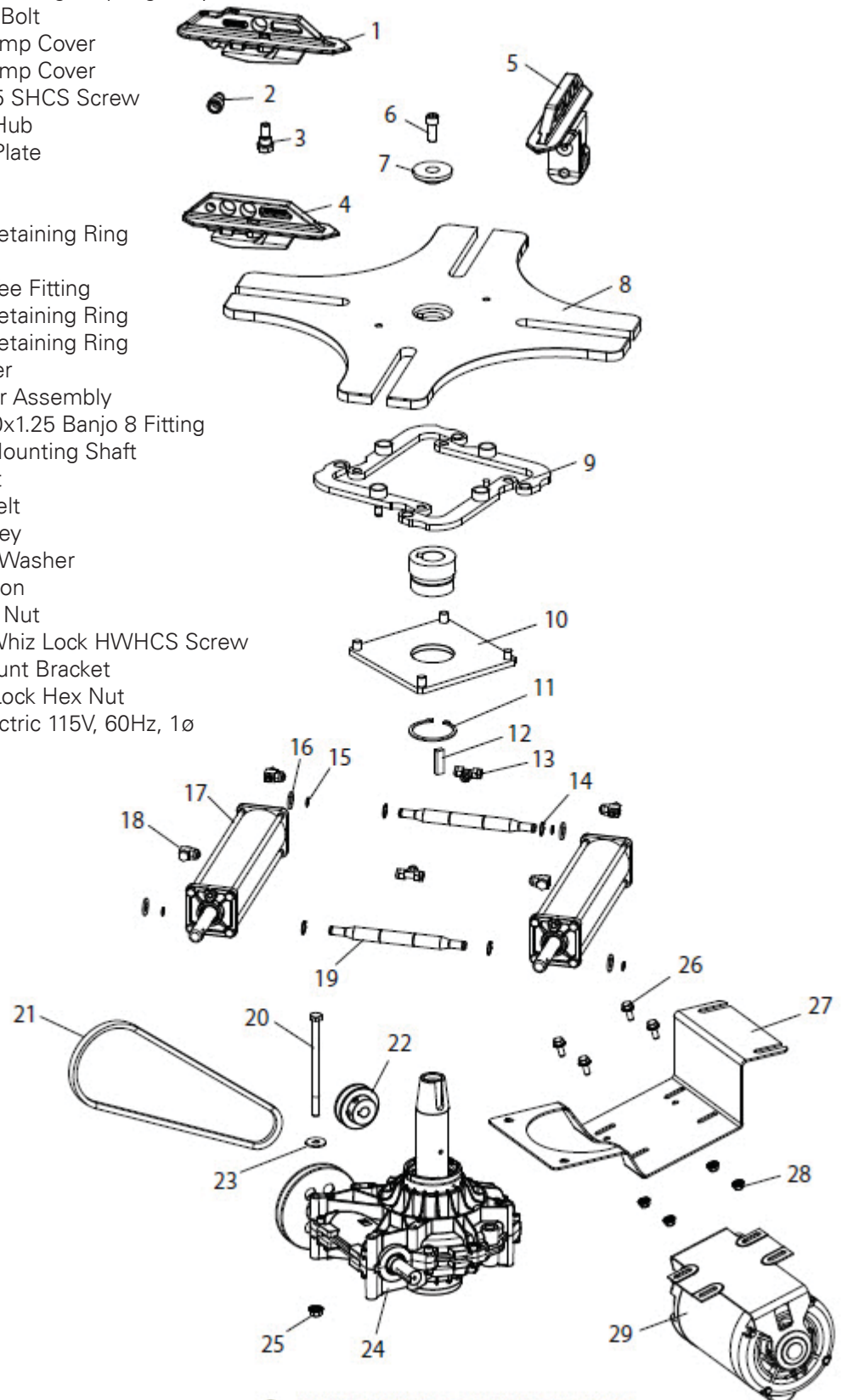
Tiltback Tower Arm Assembly



Item	Part No.	Description
1	85607525	M10 x 20mm HSWF Screw
2	8182027	7 ga. x .406 ID x 1.28 OD Washer
3	8140667	1/4-20 x 1/4 Soc.Hd.Set Scr, Gr.8
4	8182787	0.562 Diameter x 0.515 LG. Roller
5	8182786	5MM x 25MM Dowel Pin
6	8182813	3/8-16 x 3/4 Ctr Bore Cap Scr, Gr.8
7	8182788	Duckhead® Mount/Demount Tool Kit (Metal)
8	8185256	O-ring
9	8185734	Lift Cylinder Pistion Seal
10	85609388	M4 x 6mm Cup Point Set Screw
11	85609229	Lift Cylinder Tube
12	8181979	1/2" Retaining Ring
13	85609401	1/8" Meter Out Fitting
14	85609230	Lift Cylinder Tube Base
15	85609228	Lift Cylinder Shaft
16	85609227	Vertical Slide Shaft
17	85608819	Rubber Stop Bumper
18	85608704	Horizontal Slide
19	85609068	Tiltback Tower Tube
20	85607322	M6 x 12mm Lg. SHCS Screw
21	85608886	Tension Spring
22	85607890	Roll Pin
23	85608891	M10x1.5-45mm HHCS Screw, Gr.8.8
24	85607529	M6 x 20 HWHCS Screw
25	85608835	M4 x 0.7 Nylon Nut
26	82012461	Knob Value Assembly
27	85608834	M4 x 0.7-35 HHCS Screw
28	85608893	1/8 x 10-32 UNF Straight Fitting
29	85609326	M5 x 6mm Straight Tube Fitting
30	85608874	Vertical Slide Cover
31	85608633	Rubber Foot Pad
32	85000045	1/8PTC x 1/8PT" Tee Fitting
33	85609117	65mm Pancake Cylinder Assembly
34	85608892	M10 x 1.5 Nylon Lock Nut, Class 1
35	85608713	Vertical Slide Locking Plate
36	85609480	Compression Spring
37	85609226	Vertical Slide Cap
38	85608364	Flange Screw

Table Top & Shaft Housing Assembly

Item	Part No.	Description
1	85000761	Clamp Carrier/Cover
2	8182250	Adj. Clamp Plunger/Spring Assy
3	8182279	Table Link Bolt
4	85608450	Carrier Clamp Cover
5	85608448	Carrier Clamp Cover
6	85606967	M12 x 1.75 SHCS Screw
7	85606968	Table Top Hub
8	85609238	Table Top Plate
9	85608374	Pivot Link
10	85606910	Pivot Plate
11	85606971	External Retaining Ring
12	85606969	Taper Key
13	85608297	8 x 5mm Tee Fitting
14	903174	External Retaining Ring
15	85606919	External Retaining Ring
16	85606920	Flat Washer
17	85608377	3" Cylinder Assembly
18	85608476	5mmxM10x1.25 Banjo 8 Fitting
19	8185678	Cylinder Mounting Shaft
20	85606979	HHCS Bolt
21	85609354	Motor V-Belt
22	85609750	Motor Pulley
23	85606982	M10 Plain Washer
24	85609393	Transmission
25	85607342	Whiz Lock Nut
26	85607362	M8x1.25 Whiz Lock HWHCS Screw
27	85609353	Motor Mount Bracket
28	85607346	M8 Whiz Lock Hex Nut
29	85609751	Motor, Electric 115V, 60Hz, 1ø

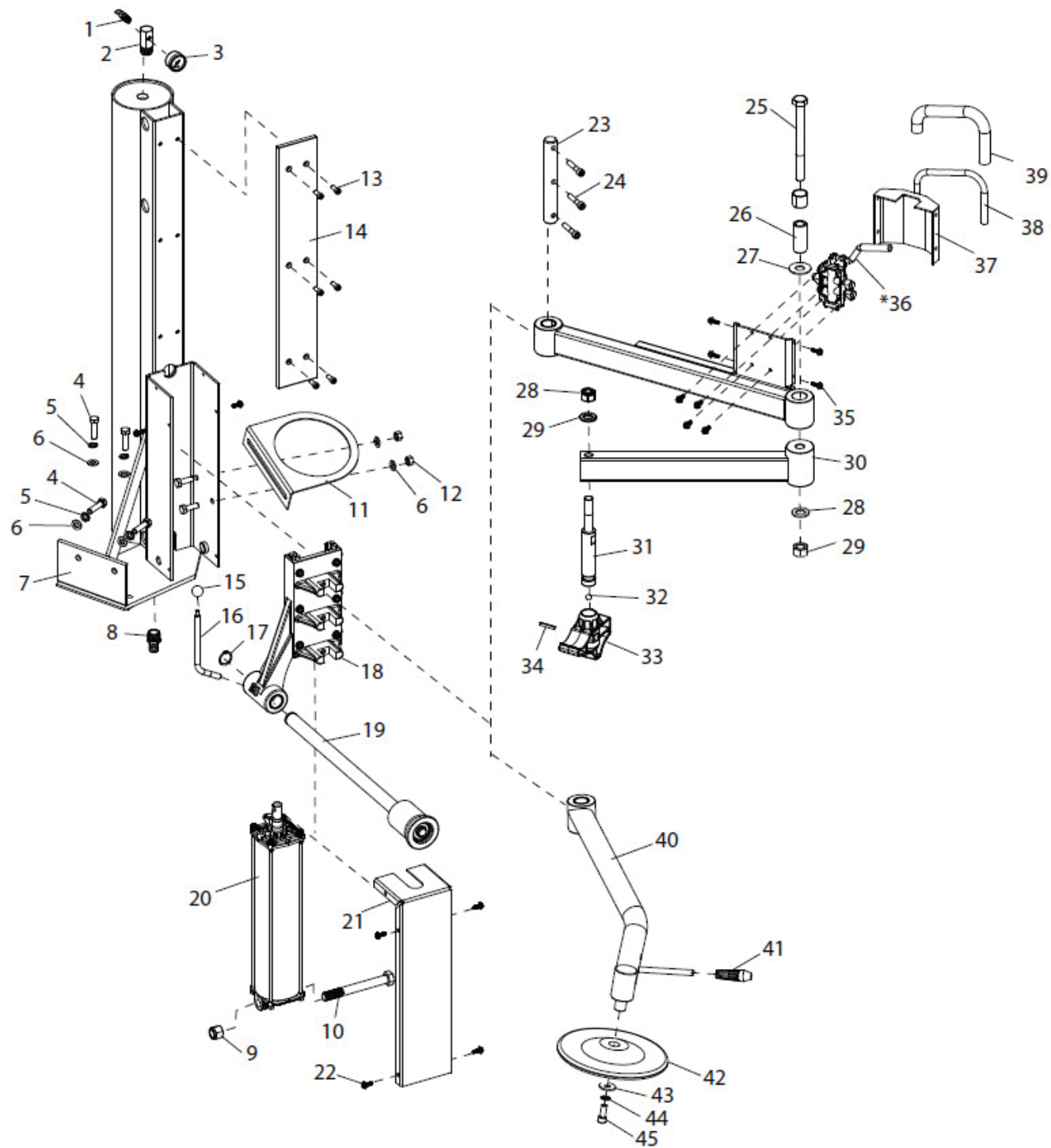


 APPLY GREASE TO THESE LOCATIONS

Auxillary Tower Assembly

Item	Part No.	Description	Item	Part No.	Description
1	8182599	Safety Valve	26	85608800	Pivot Link
2	8109784	Manifold/Gauge Protector	27	85607626	M20 x 50mm Flat Washer
3	8108968	Air Gauge	28	85607629	M20 x 2.5 Nylock Hex Nut
4	85608769	HHCS Bolt	29	85607353	M20 x 37mm Flat Washer
5	85606916	M12 Spring Lock Washer	30	85608795	Front Arm Weldment
6	85606917	M12 Plain Washer	31	85608798	32mm Piston Shaft
7	85609256	Right Helper Arm Tower	32	8301017	ø1/2" Steel Ball
8	8104573	3/4" Straight Fitting	33	85009167	Plastic Foot Hold Down
9	8182016	3/4-10 Hex Nylock Lock Nut	34	905563	ø1/4" x 1-1/2" Roll Pin
10	85608638	3/4-10 x 6-1/2 HHCS Screw, Gr.5	35	8143168	1/4-20 x 3/4 Whiz Lock HHCS
11	85608870	Lube Bucket Bracket	*36		Auxillary Arm Valve Assembly
12	85607009	M12 x 1.75 Hex Nut	37	85609602	Valve Cover
13	85609275	M8 x 1.25-20 SHCS Screw	38	85609632	17mm Shrinkable Tube
14	85609274	Vertical Slide Cover	39	85609605	Foam Grip Handle
15	85608153	25mm Round Handle Cover	40	85609663	Horizontal Disc Assembly
16	85609564	L Shape Handle	41	85608437	Rubber Knob Cover
17	85608783	Retaining Ring	42	85609666	Disc
18	85608754	Vertical Slide Assembly	43	85609668	M12 Fender Washer
19	85608782	Horizontal Roller Assembly	44	85606916	M12 Spring Lock Washer
20	85608758	Vertical Slide Cylinder Assembly	45	85606967	M12-1.75 SHCS Screw
21	85608764	Cylinder Cover			
22	8106301	1/4" Hex Hd Self Tap Screw, Gr.5			
23	85609606	30mm Diameter Rod			
24	85608785	M10 x 1.5-50 SHCS Screw			
25	85608799	M20 x 2.5 HHCS Screw			

*** Valve Assemblies (available only as individual components, see page 12)**

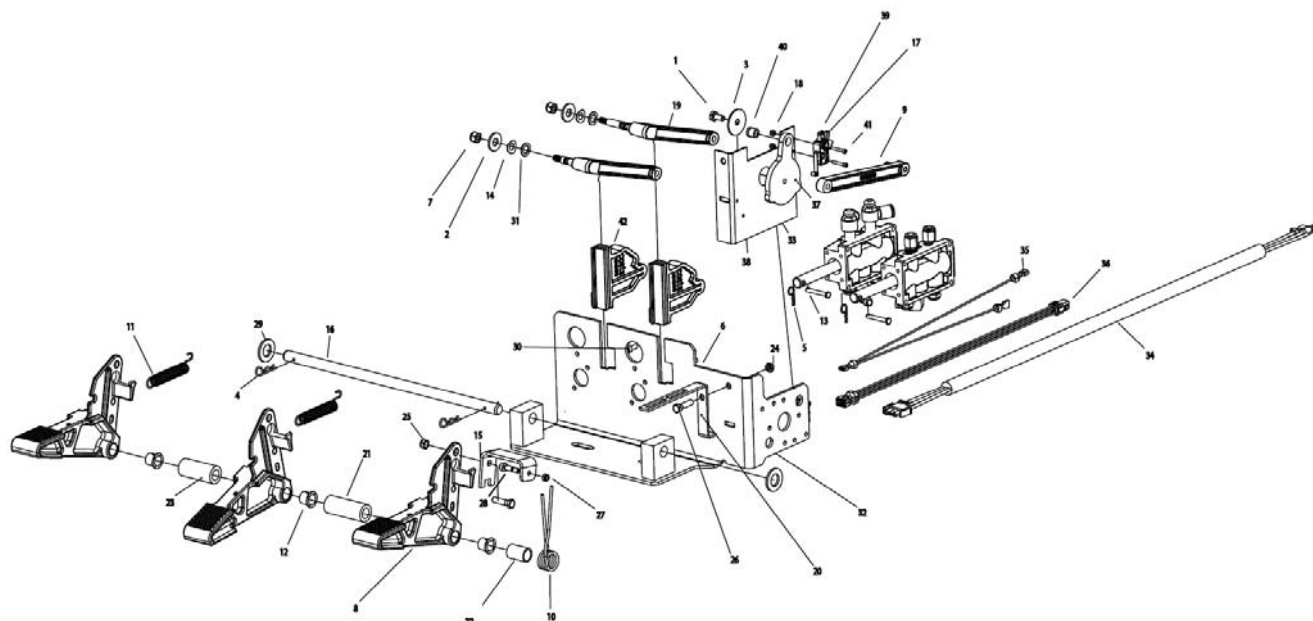


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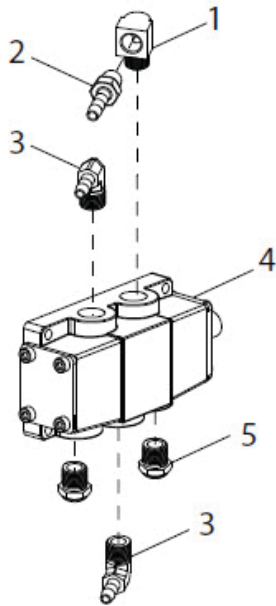
Foot Pedal Assembly

Item	Part No.	Description	Item	Part No.	Description
1	902189	1/4-20 x 0.500HHCS	25	85607531	M6 Nylock Hex Nut
2	8107635	5/16" Flat Washer	26	85607532	M6 x 25 HHCS Screw
3	8111032	1/4" Heavy Fender Washer	27	85607536	M5 Nylock Hex Nut
4	8111609	Hair Pin Cotter	28	85607537	6.5 x 10 SHSHS Screw
5	8120469	Hitch Clip Pin	29	85607541	M14 Plain Washer
6	8143254	Insulated Wire Joint	30	85608491	10-24 x 1/2 UNC SHCSS
7	8181369	1/4-20 Lock Nut, Nyl. Ins. Gr.5	31	85608545	10 x 16 x 1 Flat Washer
8	8181675	Pedal	32	85608702	Pedal Valve Bracket
9	8181699	Actuator Switch Lever	33	85609739	Switch Plate
10	8181707-1	Torsion Spring	34	85609740	2 Speed Motor Wire Assembly
11	8181708	Extension Spring	35	85609741	CORG2SP - SWH
12	8181948	1/2" Nylon Flanged Bearing	36	85609742	CORG2SP - SWHG
13	8181977	3/16 x 1-1/4 Clevis Pin	37	85609743	Switch Disk
14	8181981	5/16" Wave Washer	38	85609744	Switch Plate Assembly
15	8182363	Electrical Switch Extension Bracket	39	85609746	Foot Pedal Switch
16	8183398	Pedal Shaft	40	85609748	1/4-20 Allen Nut
17	8305015	Double Slide Adapter	41	95000064	#4-40 x 3/4 Lg. SHC Screw
18	85000357	#4-40 Nylok Nut	42	8181695R10	Cam Mounting Block
19	85010038	Cam Lever Follower			
20	85606933	Bracket Guide			
21	85606972	Pedal Spacer			
22	85606974	Switch Spring Sleeve			
23	85607347	Pedal Spacer			
24	85607530	M6 Hex Jam Nut			

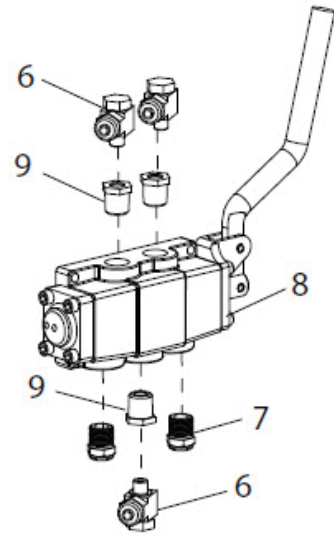
*** Valve Assemblies (available only as individual components, see page 13)**



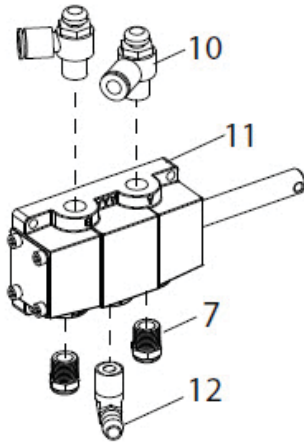
Valve Assemblies



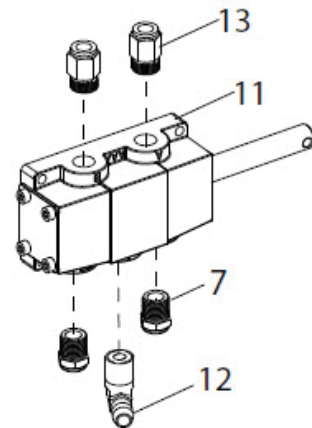
**Bead Loosener Arm
Valve Assembly**



**Bead Loosener Arm
Valve Assembly**



**Clamp Control Pedal
Valve Assembly**



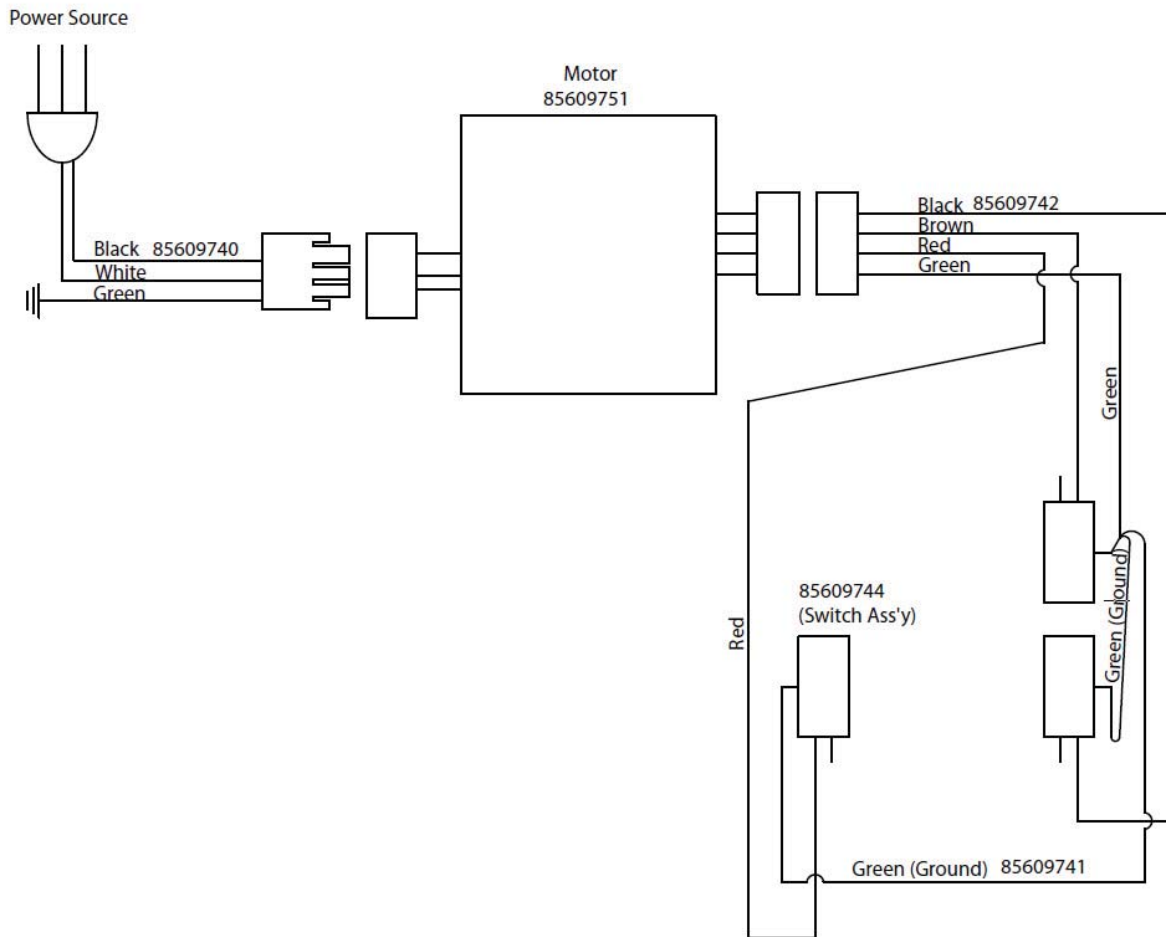
**Table Top Pedal
Valve Assembly**

Item	Part No.	Description
1	8000372	1/4 NPT, 90° St. ELL Fitting
2	8000378	1/4" Brass St. Fitting
3	8000376	ELL 90° 1/4 Hose Fitting
4	8184878	4-way Valve, Pedal Operated
5	85607855	1/4 NPT Muffler, Small
6	85608828	M8 x 1.25/8 Banjo Fitting
7	8105615	Small Muffler
8	8185585	3 Position Valve

Item	Part No.	Description
9	85608827	1/4 NPT & M10 x 1.25 Coupler
10	85608858	1/4 NPT x 6 Flow Control Fitting
11	8181986	4-Way w/Pull Pin Valve
12	8184467	1/4" NPTx3/8 BRB x 3/8B Tee Fitting
13	85607170	8MM x 1/4NPT Straight Fitting
14	8184256	1/4 NPT, 1/4 HSE ELL Fitting

Electric Schematics

115V Motor



Pneumatic Diagrams

GTS70

Part No.	Description
8099050	3/8" ID X 5/8" OD Black Rubber Hose
8099053	1/4" ID X 1/2" OD Black Rubber Hose
8099993	8mm OD Black Plastic Tube
8099075	1/8" OD Black Plastic Tube
85608937	6mm OD Black Plastic Tube
8099056	3/4" ID X 1-3/16" OD Black Rubber Hose
8182005	0.375" OD Plastic Tube

