

COATS®

RC-100

Rim Clamp® Tire Changer

For servicing motorcycle and ATV tire/wheel assemblies, also
single piece automotive and most light truck tire/wheel assemblies



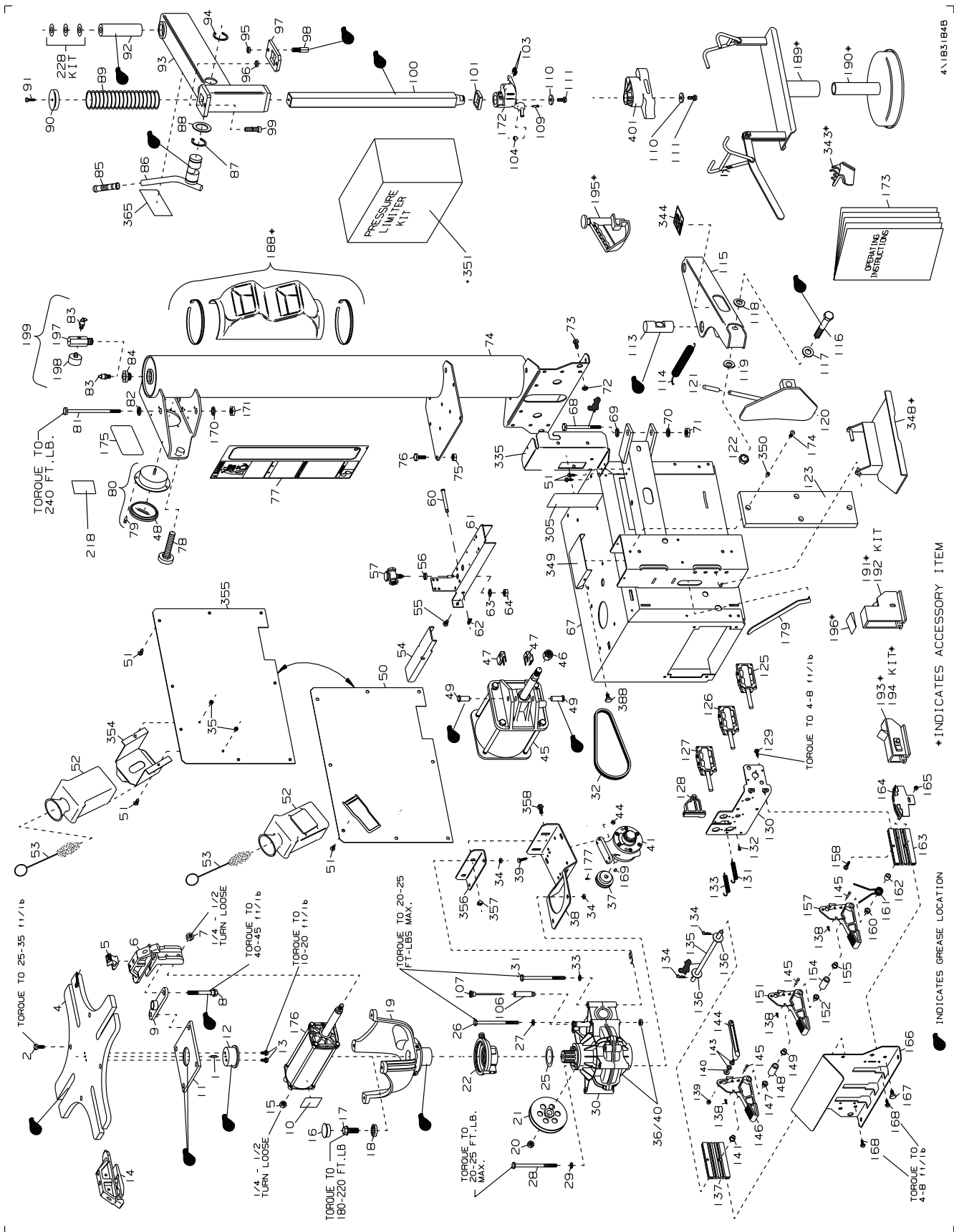
Parts Identification

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.

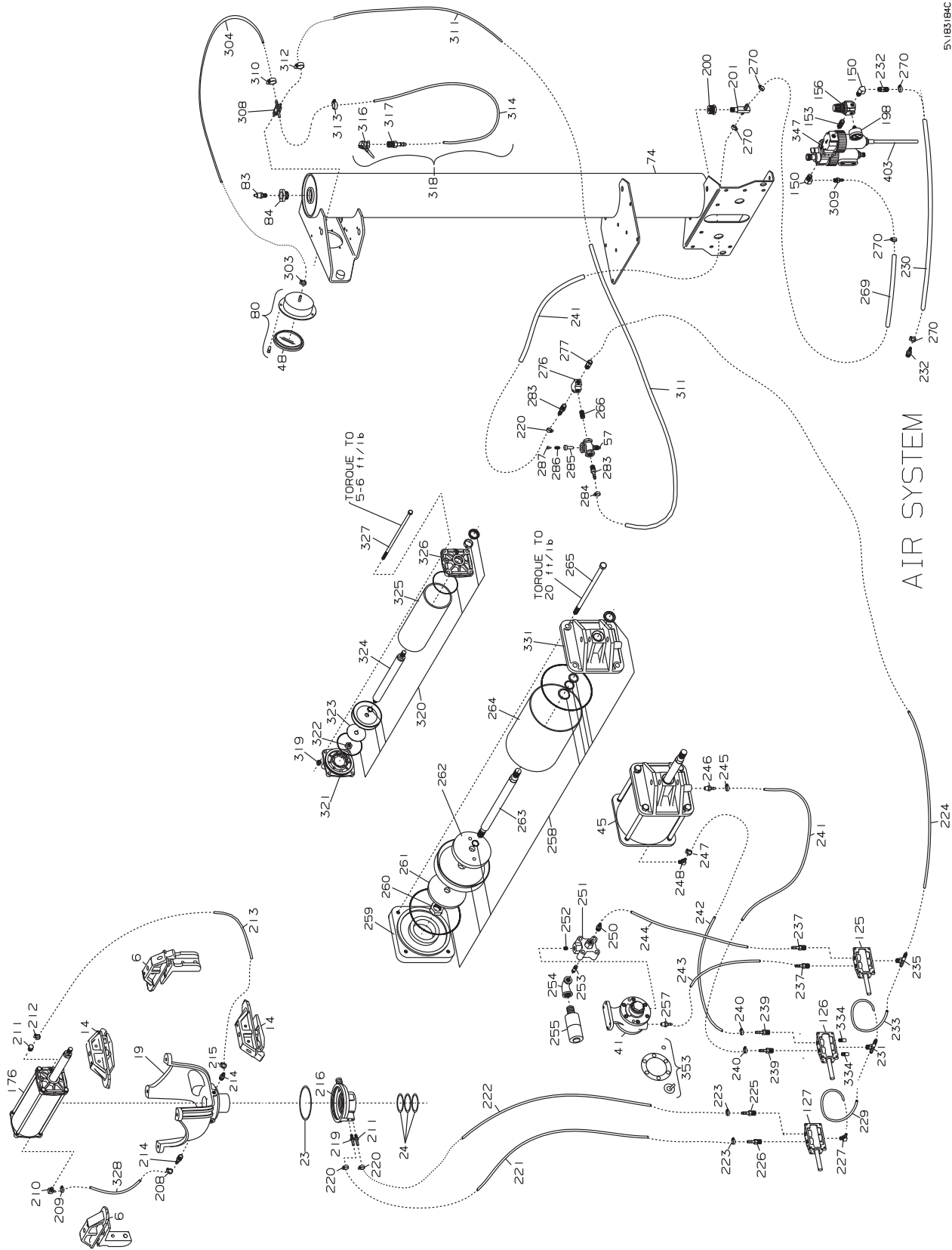
HENNESSY INDUSTRIES, INC.

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

Manual Part No.: 8183183 21
Revision: 6/16

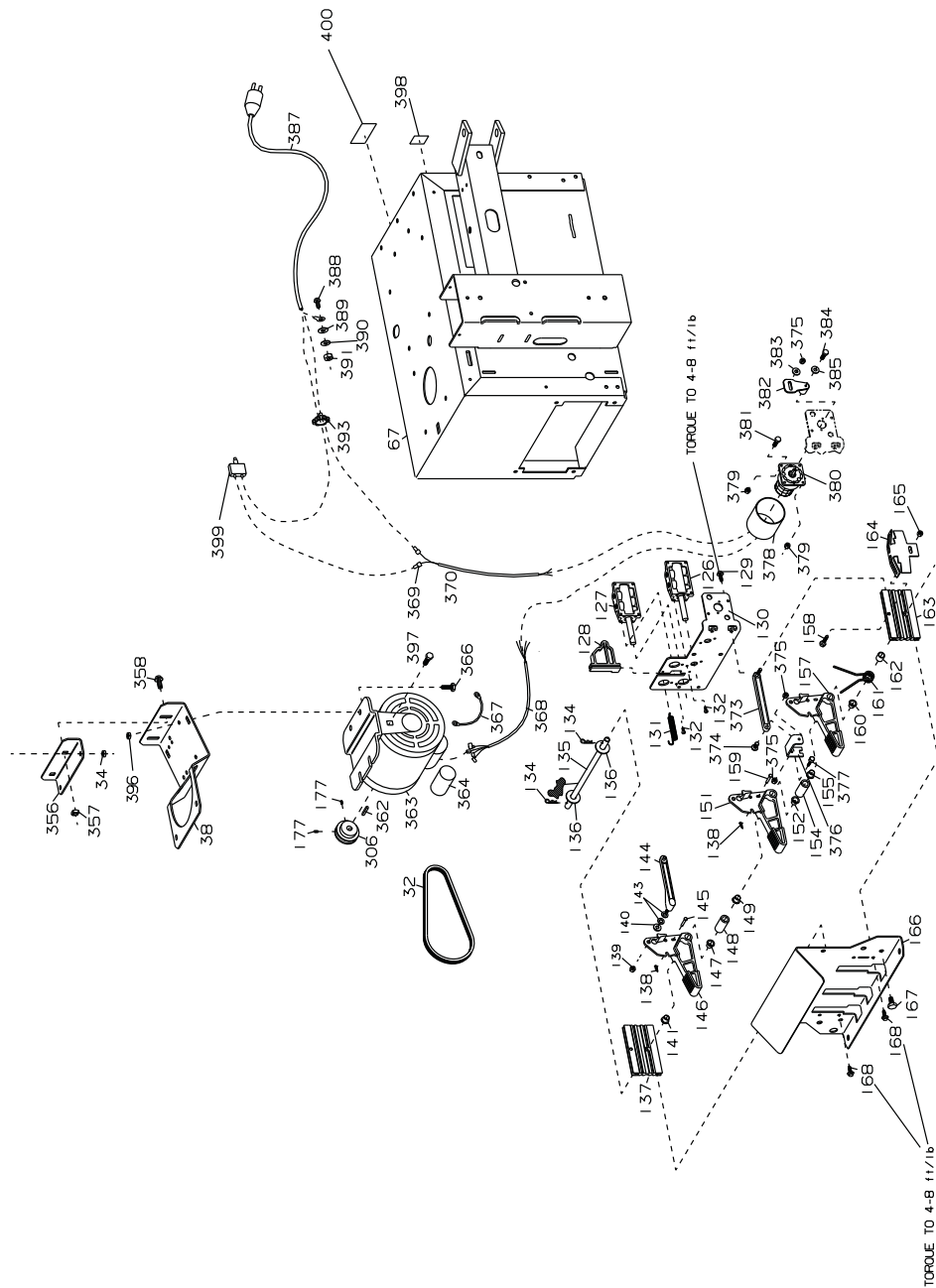


Part			Part			Part		
Ref	No.	Description	Ref	No.	Description	Ref	No.	Description
1	8183476	1/4 x 3/4" Roll Pin	54	8181933	Inflation Valve Pedal (RED)	111	8106302	3/8 Whiz Lock Screw-GR.5
2	8181929	3/8-16 x 1" Gr.8 Skt. Hd. Cap Scr.	55	8102459	3/8 x 3/4 HWH Selt-Tap. Scr. Gr.5	113	8182550	B.L. Cylinder Rod Pivot Pin
3	8182952	Table Top Plate without Jets	56	8104673	1/4" Valve Bushing Small	114	8180230	Bead Loosener Spring
4	8181677	Rim Clamp	57	8104600	1/4" Valve	115	8182581	Bead Loosener Arm
5	8182662	Clamp Carrier - Cyl. End	60	8180103	3/8" x 3-1/4" Clevis Pin	116	8182579	3/4-10 x 5" Gr.5 Hex Hd. Cap Scr.
6	8101039	1/2" Gr.5 Locknut	61	8181932	Inflation Bracket (RED)	117	8182457	3/4" Washer
7	8181904	Table Top Link Bolt	62	8107407	Hitch Pin Retainer	118	8182558	3/4" Belleville Washer
8	8181734	Pivot Plate W/C	63	8104613	5/8" External Lock Washer	119	8182557	B.L. Washer Spacer
9	8183260	Decal - Nut Tightness, TT Cylinder	64	8104611	5/8 Jam Nut	120	8182473	B.L. Shoe
10	8181731	Table Top Pivot Plate	67	8183177	Chassis	121	8107107	Handle Grip
11	8181733	Pivot Block	68	8182579	3/4-10 x 5" Gr.5 Hex Hd. Cap Scr.	122	8182016	3/4-10 Nylon Insert Lock Nut
12	8183452	Flange Whiz-Lock Screw 5/16" x 5/8"	69	8182457	3/4" Washer	123	8183034	B.L. PAD 5" x 16"
13	8182661	Clamp Carrier	70	8182457	3/4" Washer	125	8181986	4-Way Valve W/Pull Pin
14	8101039	1/2" Gr.5 Lock Nut	71	8182016	3/4-10 Nyl. Insert Lock Nut, Gr.5	126	8181986	4-Way Valve W/Pull Pin
15	8182627	1/2" Gr.5 Cap Plug	72	8106303	3/8" Whiz Lock Nut-GR.5	127	8181986	4-Way Valve W/Pull Pin
16	8181742	16MM x 40mm Gr. 10.9 Hex Hd. Bolt	73	8106302	3/8" Whiz Lock Screw-GR.5	128	8181695	Cam Mounting Block
17	8182979	16MM Washer	74	8182500	Tower/Air Receiver (RED)	129	8106301	1/4 HH Self Tap Screw-GR.5
18	8181990	Spider Assembly	75	8106303	3/8" Whiz Lock Nut-GR.5	130	8183031	Valve Mounting Bracket
19	8181658	Pulley - Transmission	76	8106302	3/8" Whiz Lock Screw-GR.5	131	8181708	Pedal Extension Spring
20	8183368	Rotary Coupling Assembly	77	8182962	Warning Decal (STANDARD)	132	8181989	#10-24 x 3/8" Gr.8 Skt.Hd. Cap Scr.
21	8181713	Large O-Ring Seal (2-244) *	78	8182593	Adjustment Knob Assembly	133	8181708	Pedal Extension Spring
22	8181712	Small O-Ring Seal (2-142) *	79	8107983	Fastener Plastic	134	8011609	Cotter, Hair Pin
23	8183156	WASHER - 3/8" x 3/4 x .010 *	80	8107985	Flanged Air Gauge w/Fasteners	135	8183398	Pedal Shaft
24	810653	3/8-16 x 6" Gr.5 Capscrew *	81	8181172	3/4 x 7-1/2" Gr.5 Hex Hd. Cap Scr.	136	8301121	Washer
25	810653	3/8-16 x 6" Gr.5 Capscrew *	82	8182457	3/4" Washer	137	8181918	Valve Bracket Spacer Bar
26	8301032	3/8" Flat Washer (Zinc Plated) *	83	8182599	200 P.S.I. Safety Valve	138	8120469	Hair Pin Cotter
27	810653	3/8-16 x 6" Gr.5 Capscrew *	84	8101312	Reducer Bushing 3/4 X 1/4 NPT	139	8181369	1/4-20 Nylon Insert Lock Nut
28	8301032	3/8" Flat Washer (Zinc Plated) *	85	8100979	3/4" Handle Grip (BLACK)	140	8107635	5/16 Flat Washer
29	85607709	Transmission Kit *	86	8181082	Lock Handle Lift Cam	141	8181948	1/2" Nylon Bearing
30	810653	3/8-16 x 6" Gr.5 Hex Hd. Cap Screw *	87	8181095	1-5/8" Snap Ring	143	8181981	5/16 Wave Washer
31	8181205	Belt	88	8182371	1-5/8" Wave Washer	144	8181696	Cam Follower Lever
32	8301032	3/8" Flat Washer (Zinc Plated)	89	8182028	Vertical Slide Spring	145	8183399	3/16 x 1-1/2" Clevis Pin
33	8106303	3/8" Whiz Lock Nut-GR.5 *	90	8181771	Vertical Slide Cap	146	8181675	Standard Pedal
34	8181369	Nut-Nylok 1/4 - 20, Gr.5	91	8183151	5/16-18 x 3/4" Gr.8 BHSCS	147	8181948	1/2" Nylon Bearing
35	8000516	3/8-16 Hex Lock Nut Gr.5	92	8181038	Swing Arm Pivot Pin	148	8181911	Pedal Spacer
36	8182571	Motor Pulley - Air Motor	93	8182577	Swing Arm (RED)	149	8181948	1/2" Nylon Bearing
37	8182784	Motor Mounting Bracket (RED)	94	8181095	1-5/8" Snap Ring	150	8000372	1/4" NPT x 90° ST. Elbow
38	8181984	1/4-20 x 1" Gr.5 Hex Head Screw	95	8181113	1/2-13 Jam Nut-GR.5	151	8181675	Standard Pedal
39	8000516	3/8-16 Hex Lock Nut Gr.5	96	85610655	3/8-16 RVS Lck Hex Nut	152	8181948	1/2" Nylon Bearing
40	8182572	Air Motor	97	85606343	Lock Plate (MACHINED)	153	8182366	1/4" NPT Close Brass Nipple
41	8181369	1/4-20 Nylon Insert Lock Nut GR.5	98	8181035	Lock Plate Lift Pin	154	8182327	Pedal Spacer
42	8183325	7" Bead Loosener Cylinder Assembly	99	85606344	1/2 x 5/8 Shoulder Screw	155	8181948	1/2" Nylon Bearing
43	8182016	3/4-16 Lock Nut-Nylon Insert GR.5	100	8182767	Vertical Slide Shaft	156	8183424	Adjustable Regulator, 1/4" NPT
44	8181912	Clevis Clip	101	8182031	Rubber Bumper	157	8181675	Standard Pedal
45	8107517	Screw On Gauge Lens	103	8130026	3/8 x 16 x 1/2 Soc HD Set Screw	158	8120321	1/4 X 1-1/4 Hex HD Cap Screw GR.5
46	8181949	5/8 x 1-38" Clevis Pin	104	8183356	Roller	159	8181977	Clevis Pin 3/16" X 1-1/4"
47	8182554	Side Cover Panel	107	8182186	Transmission Dipstick	160	8181948	1/2" Nylon Bearing
48	8106301	1/4" Hx. Hd. Self-tapping Scr., Gr.5	109	8183357	Set Screw/Dowell Pin 1/4 - 20 UNC	161	8181707	Torsion Spring
49	8106259	Lube Bottle (RED)	110	8182027	1.32 OD x .406 ID x 7ga. Washer	162	8181872	Torsion Spring Sleeve
50	8000491	Lube Applicator				163	8181918	Valve Bracket Spacer Bar



Part		Part		Part	
Ref	No.	Description	Ref	No.	Description
164	8182670	Spring Stop	222	8106289	ø1/4" x 22" Hose
165	8181369	1/4" -20 Nylon Insert Lock Nut	223	8101428	ø1/4" Hose Clamp
166	8182586	Foot Pedal Guard (RED)	224	8182005	ø3/8" x 20" Nylon Tube
167	8102459	3/8-16 x 3/4 Selt Tap. Scr. Gr.5	225	8000378	ø1/4" Brass St. Fitting
168	8106301	1/4 HH Self Tap Screw-GR.5	226	8000378	ø1/4" Brass St. Fitting
169	8182723	#3 Woodruff Key	227	8181998	1/4 NPT x 3/8 Tube Male Elbow
170	8182457	ø3/4" Washer	228	8182339	Swing Arm Shim Kit
171	8182016	3/4-10 Nylon Insert Lock Nut	229	8182005	ø3/8" x 20" Nylon Tube
172	8183355	Mount/Demount Head Assembly	230	8181147	ø3/8 x 17.25" Lg. Hose
173	8183186	Operating Instructions(STD)	231	8181988	1/4 NPT x 3/8" Tube Male Branch Tee
174	8182088	5/16-18 X 1 Torx Screw,GR.5	232	8101898	ø3/8" Hose Fitting
175	8109888	Infl. Warning Decal (STANDARD)	233	8182005	ø3/8" x 20" Nylon Tube
176	8182613	Table Top Cylinder Assembly	235	8181988	1/4 NPT x 3/8" Tube Male Branch Tee
177	8180217	5/16-18X3/8 SOC HD Set Scr.GR.5	237	8181999	ø3/8" Male Str. Fitting
179	8181354	Bead Lifting Tool	239	8000378	ø1/4" Brass Str. Fitting
181	8183199	Soc. Hd. Cap Scr. 6mm x 16mm Gr.10.9	240	8101428	ø1/4" Hose Clamp
182	8101898	3/8" Hose Fitting	241	8106289	ø1/4" x 22" Hose
183	8000372	1/4" X 90 Street Elbow	242	8106289	ø1/4" x 22" Hose
185	8101898	3/8" Hose Fitting	243	8182005	ø3/8" x 20" Nylon Tube
186	8000372	1/4" X 90 Street Elbow	244	8182005	ø3/8" x 20" Nylon Tube
188	8181554	Accessory Tray Kit	245	8101428	ø1/4 Hose Clamp
189	8108028	Tire Spreader	246	8000378	ø1/4" Brass Str. Fitting
190	8181329	Rim Clamp Spreader Base	247	8101428	ø1/4" Hose Clamp
191	8183225	Motorcycle Clamp (Tall)	248	8000376	ø1/4" x 90° Brass Fitting
192	8183401	Motorcycle Clamp Kit (Tall)	250	8181999	1/4 NPT x 3/8" Malt Str. Fitting
193	8235740	ATV Clamp (Tall)	251	8181191	Quick Exhaust Valve
194	8181891	ATV Clamp Kit (Tall)	252	8000580	1/4 NPT Close Nipple
195	8435685	Drop Center Aid	253	8181207	3/8 NPT Close Nipple
196	8183248	Plastic Clamp Jaw	254	8181195	1/2-3/8 Reducing Elbow
197	8109784	Gauge Protector Manifold	255	8181206	Muffler
198	8108968	Air Gauge	257	8181999	1/4 NPT x 3/8" Male Str. Fitting
199	8182640	California Gauge Kit	258	8182638	7" Bead Loosener Cylinder Seal Kit
200	8101312	Reducer Bushing 3/4" x 1/4" npt	259	8183327	7" Bead Loosener Cylinder Bot. Cap
201	8107234	Tee 1/4" npt X 3/8" Hose	260	8182016	3/4-10 Gr.5 Nylon Insert Lock Nut
207	8000378	1/4" Brass St. Fitting	261	8182566	Bead Loosener Cyl. Steel Washer
208	8101428	ø1/4" Hose Clamp	262	8182566	Bead Loosener Cyl. Steel Washer
209	8101428	ø1/4" Hose Clamp	263	8182565	Bead Loosener Cylinder Shaft
210	8110497	90 Deg. Male Elbow-1/8 NPT	264	8182568	Bead Loosener Cylinder Sleeve Barrel
211	8104844	1/4 Hose x 1/8 NPT Str. Fitting	265	8110890	1/2-13 X 9" Long HHCS-GR.5
212	8101428	ø1/4" Hose Clamp	266	8182366	Close Nipple 1/4" npt Brass
213	8104684	ø1/4" x 8" Hose	269	8182497	ø3/8" x 36" Hose
214	8000378	1/4" Brass St. Fitting	270	8101428	ø1/4" Hose Clamp
215	8101428	ø1/4" Hose Clamp	276	8000643	Tee 1/4" npt, Brass
216	8181349	Rotary Coupling	277	8181999	St Male Fitting 1/4" npt x 3/8" Tube
218	8109769	Decal - Release Valve	283	8000378	1/4" Brass St. Fitting
219	8183369	ø1/4 Hose x 1/8 NPT Str. Fting w/.062 orifice	284	8101428	ø1/4" Hose Clamp
220	8101428	ø1/4" Hose Clamp	285	8104649	Poppet - 1/4" Valve
221	8106289	ø1/4" x 22" Hose	286	8102468	Poppet Spring - 1/4" Valve

Part		Part		Part	
Ref	No.	Description	Ref	No.	Description
304	8000481	ø1/4" x 6" Hose	331	8183328	7" Bead Loosener Cylinder Top Cap
305	8183778	Decal - Filter Lubricator Notice	334	8182734	Muffler
306	8181204	Motor - Pulley (ELECT. MOTOR)	335	8183770	Filter/Lubricator Mtg. Bracket
308	8183502	Inflation Manifold	338	8130026	3/8 X 1/2" Soc. HD Set Screw-GR.8
309	8101898	1/4" Brass St. Fitting	343	8183367	Bootie-Mount/Demount Hea-Single
310	8101428	ø1/4 Hose Clamp	8183373	Bootie-Mount/Demount Head-Pkg/2	
311	8182090	ø1/4" x 61" Hose	8183374	Bootie-Mount/Demount Head-Pkg/12	
312	8101428	ø1/4 Hose Clamp	344	8182768	Decal - Pinch Point Caution
313	8101428	ø1/4 Hose Clamp	347	8182827	Filter/Lubricator
314	8183421	ø1/4" x 73" Hose (RED)	348	8183262	Lift Assembly - ATV Wheels
316	8103753	Air Chuck	349	8183274	Cover - Vertical Channel
317	8102390	1/4" Hose Fitting, 1/4 NPT	350	8183287	Spacer - B.L. Torx Bolts
318	8183423	Inflation Hose Assembly (RED)	351	8183291	Kit - Pressure Limiter, RC-100
319	8181183	Nylock Hex Nut 5/16-18	353	8182912	Air Motor Repair Kit
320	8183811	Table Top Cylinder Seal Kit	354	8182809	Lube Bottle Bracket
321	8181622	Cylinder Bottom Cap	355	8182878	Panel/Side Cover
322	8182719	1/2-13 Lock Nut-GR.5	356	8182923	Motor Adjustment Bracket
323	8183771	Washer 2 1/2 O.D. x .515 I.D. x .064	357	8143044	3/8-16 Tinnerman Nut
324	8181629	Table Top Cylinder Shaft	358	8106302	3/8" Whiz Lock Screw Gr.5
325	8181627	Cylinder Sleeve	362	8180588	Motor Key
326	8181620	Cylinder Top Cap	363	8185483	Electric Motor - 115v 60Hz
327	8181633	Table Top Cylinder Tie Bolt, Gr.5	8180638	Electric Motor - 220v 50Hz	
328	8103649	ø1/4" x 12" Hose	364	8180638	Motor Capacitor (ONLY)
331	8183328	7" Bead Loosener Cylinder Top Cap	365	8183354	Decal - Clamp Pressure
334	8182734	Muffler	366	8120325	5/16-18 x 1" Gr.5 Ser. Washer Hd.Scr.
335	8183770	Filter/Lubricator Mtg. Bracket	367	8180560	Ground Jumper
338	8130026	3/8 X 1/2" Soc. HD Set Screw-GR.8	368	8184562	Motor Cable Assembly, 115V 60Hz
343	8183367	Bootie-Mount/Demount Head-Pkg/2	8181511	Motor Cable Assembly, 220V 50Hz	

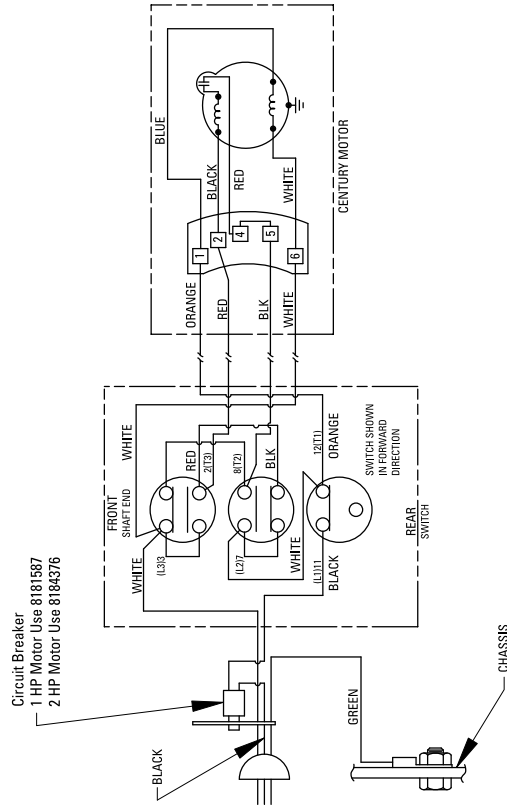


ELECTRIC MOTOR MODELS

Ref	Part No.	Description	Ref	Part No.	Description
369	8143254	Wire Joint	393	906077	Strain Relief, 240V
370	8182141	Cord - Entrance to Switch	396	8181183	Nut-Nyl. Ins. Lk., 5/16-18 Gr.5
373	8181699	Switch Lever Assembly	397	8120455	#10-24 Gr.2 Selt Tapping Screw
374	8182743	Shoulder - Screw, 5/16	398	8180237	Caution Decal
375	8181369	1/4-20 Gr.5 Nylon Insert Lock Nut	399	8181587	Circuit Breaker USA/Canada 15 Amps
376	8182363	Sw. Pedal Lever Spacer (RED)	400	8140963	Circuit Breaker Export 8 Amps
377	8181984	Screw - Hex Hd., 1/4-20 x 1.00 Gr.5	401	8182960	Decal - Elect. Caution (C.S.A.)
378	8181959	Switch Cover	403	8183881	Mount/Demount Head (PLASTIC)
379	8182682	#10-24 Gr.5 Nylon Insert Lock Nut			Nylon Tube 3/8" x 7"
380	8182957	Reversing Switch			
381	8181983	#10-24 x 5/8" Gr.8 Bt.Hd.Skt.Cap Scr.			
382	8181728	Switch Actuator Lever			
383	8000745	Ø/4" Flat Washer			
384	8181982	3MM x 12mm Gr.5 Hex Hd.Cap Scr.			
385	8301072	#6 Internal Tooth Lock Washer			
387	8181956	Power Cable Assy, 115V w/o Breaker			
	8182257	Power Cable Assy, 115V w/Breaker			
	8182712	Power Cable Assy. 220V 50Hz 1Ø			
388	8106301	1/4-20 Gr.5 Hex Hd.Selt Tap. Scr.			
389	8150441	1/4" Star Lock Washer			
390	8301142	1/4" Spring Lock Washer			
391	8107440	1/4-20 Gr.5 Hex Nut			

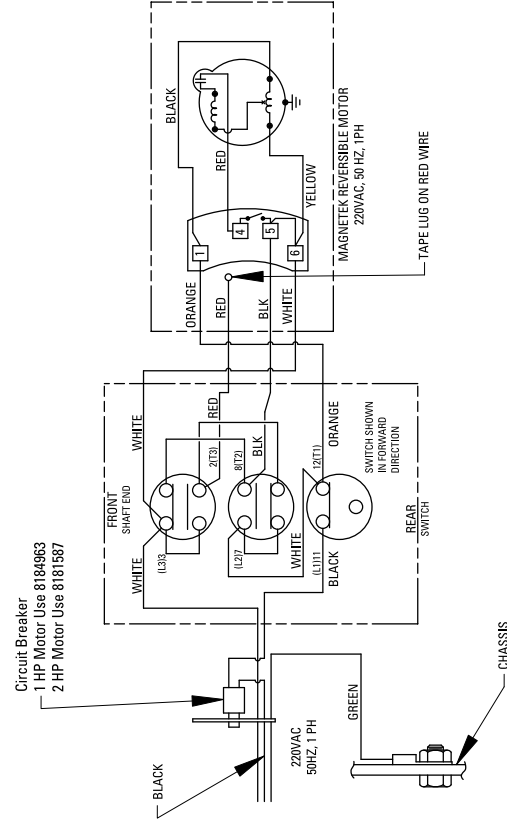
Wiring Diagrams

Domestic & C.S.A.



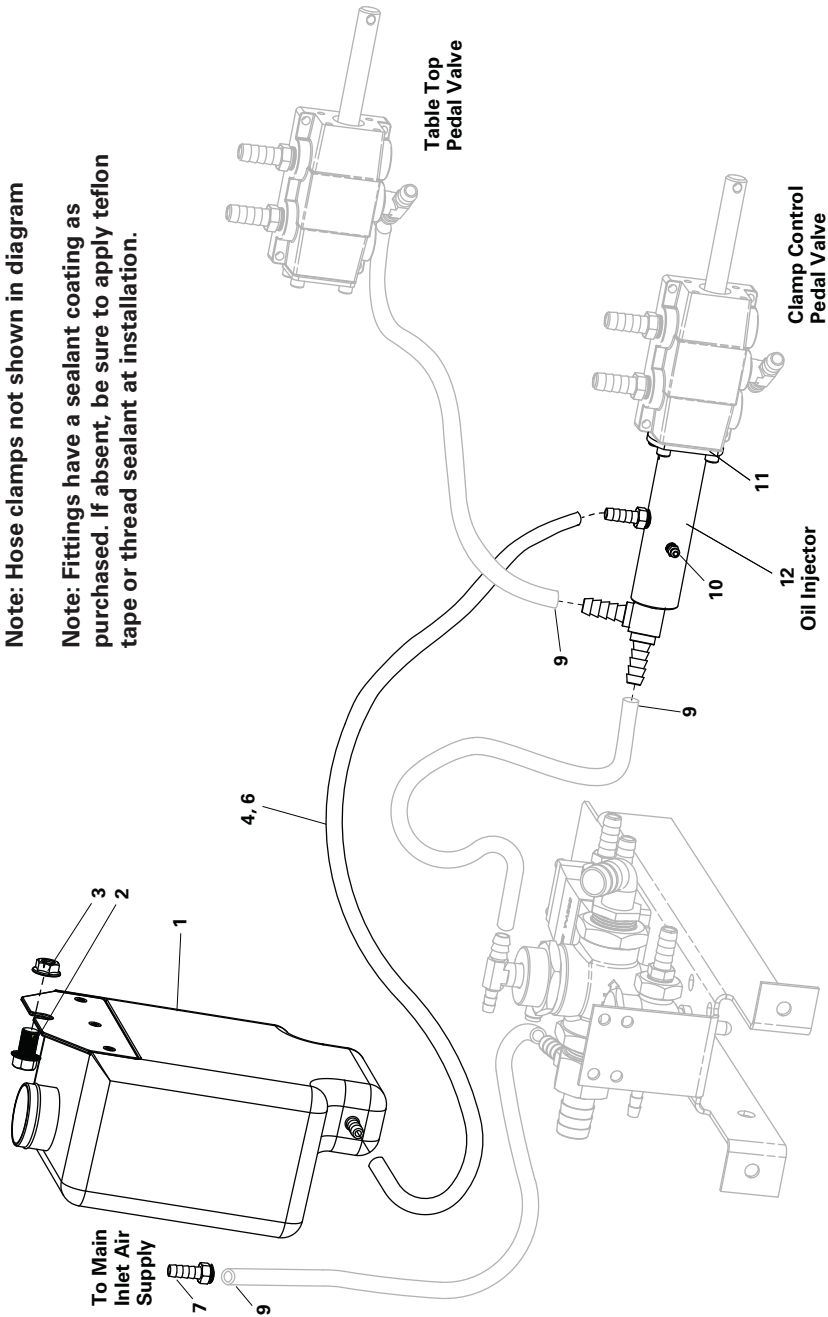
To reverse rotation, interchange red and black wires at motor.

Export 220VAC



To reverse rotation, interchange red and black wires at motor.

OIL INJECTOR DIAGRAM *If equipped.



Ref No.	Part Description
1	8185629 Tank Reservoir
2	81856301 Reservoir Cap
3	8183452 5/16-18 Flange Screw
4	924724 5/16-18 Flange Hex Nut
5	8184243 1/4" x 49" Red Rubber Hose
6	8183770 Holding Bracket
7	85606362 3mm Spring Hose Clamp
8	8101898 St. 1/4" NPT 3/8" Hose Fitting
9	8150124 Zip Tie
10	85606363 16mm Spring Hose Clamp
11	8103737 Release Valve
12	8184686 Spacer Plug
12	8184675 Oil Injector (includes Spacer Plug)