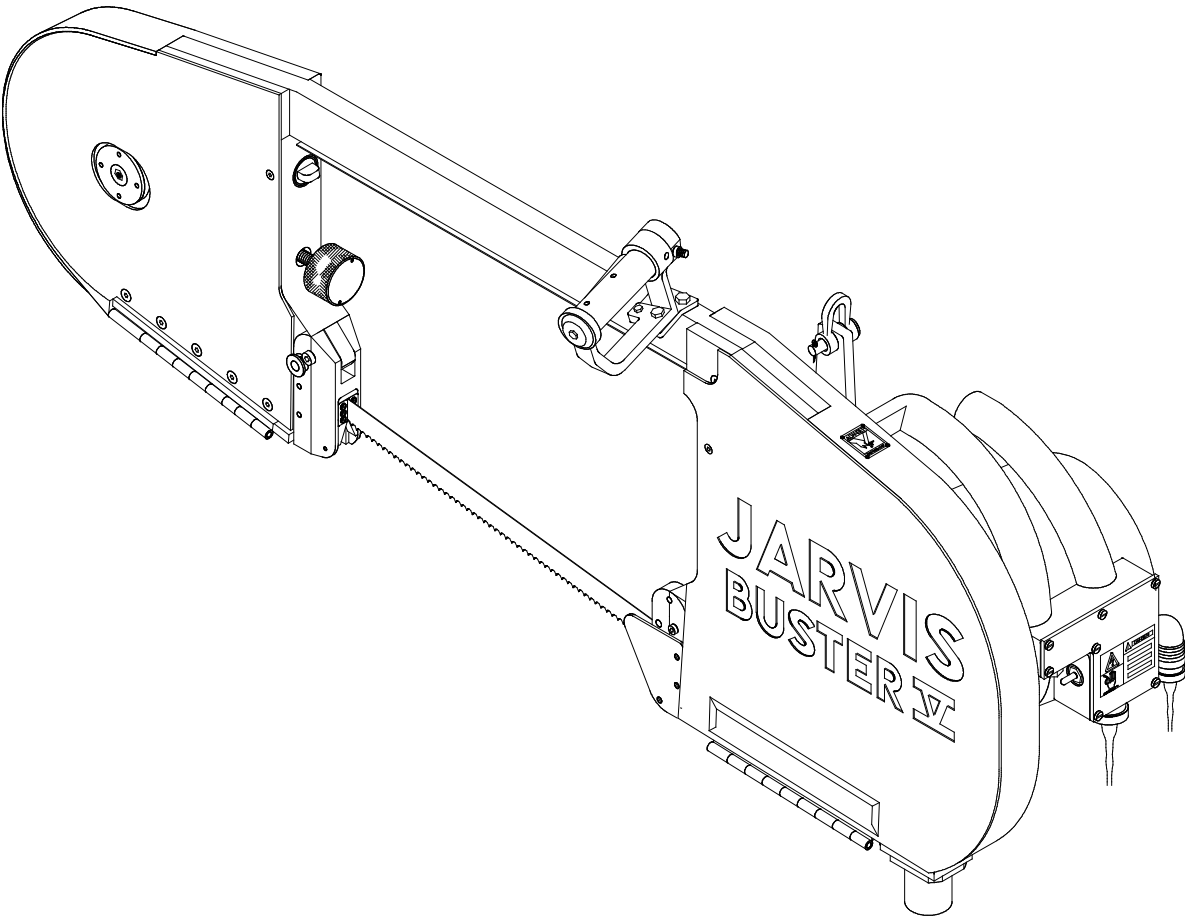




# Model Buster V Beef Splitting Band Saw



EQUIPMENT SELECTION ..... Ordering No.	TABLE OF CONTENTS ..... Page
Buster V Band Saw (3.3 HP) 460/230V-60Hz ..... 4006033 380/220V-50Hz ..... 4006057 42V-50Hz, Cold Water Spray . 4006036	• Safety Messages to Employer and Safety Director ..... 2
Buster V Band Saw (5 HP) 460/230V-60Hz ..... 4006172 380/220V-50Hz ..... 4006247	• Safety Messages to Operators, Maintenance and Cleanup Personnel 3
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**SAFETY MESSAGES TO EMPLOYER AND SAFETY DIRECTOR**  
***AVOID INJURY***

1. **Remove** and **repair** any tool that malfunctions. **All** personnel must be instructed to remove any malfunctioning equipment.
2. **Ensure** that all employees who use this tool are trained in the proper use of this tool and are aware of the dangers that may arise if they do not follow the procedure outlined in this brochure.
3. **Enclosed** are four (4) copies of “**NOTICE TO OPERATORS, MAINTENANCE AND CLEANUP PERSONNEL.**” Post one copy on the employees’ bulletin board; give one copy to the operator(s); give one copy to the maintenance foreman; and give one copy to the sub-contract cleanup / internal cleanup foreman. *Additional copies will be provided upon request.*
4. The tool is designed and intended to be powerful. This fact should be obvious to your employees, but you must emphasize it to them.
5. **Never** make modifications or alterations to the tool. *Replace any missing or illegible labels.*
6. **Ensure** that proper procedures are established in accordance with OSHA’s lockout/tagout procedures (29 CFR 1910.147) to prevent accidental startup or release of stored energy.
7. **Follow** our installation and maintenance instructions for proper installation and care of the tool.
8. **Avoid** injury. Do not permit the tool to be misused.
9. **If you resell or distribute** a Jarvis product, you must provide the purchaser with the appropriate safety sheets and tool brochure. *Additional copies of safety sheets and tool brochures will be provided upon request.*



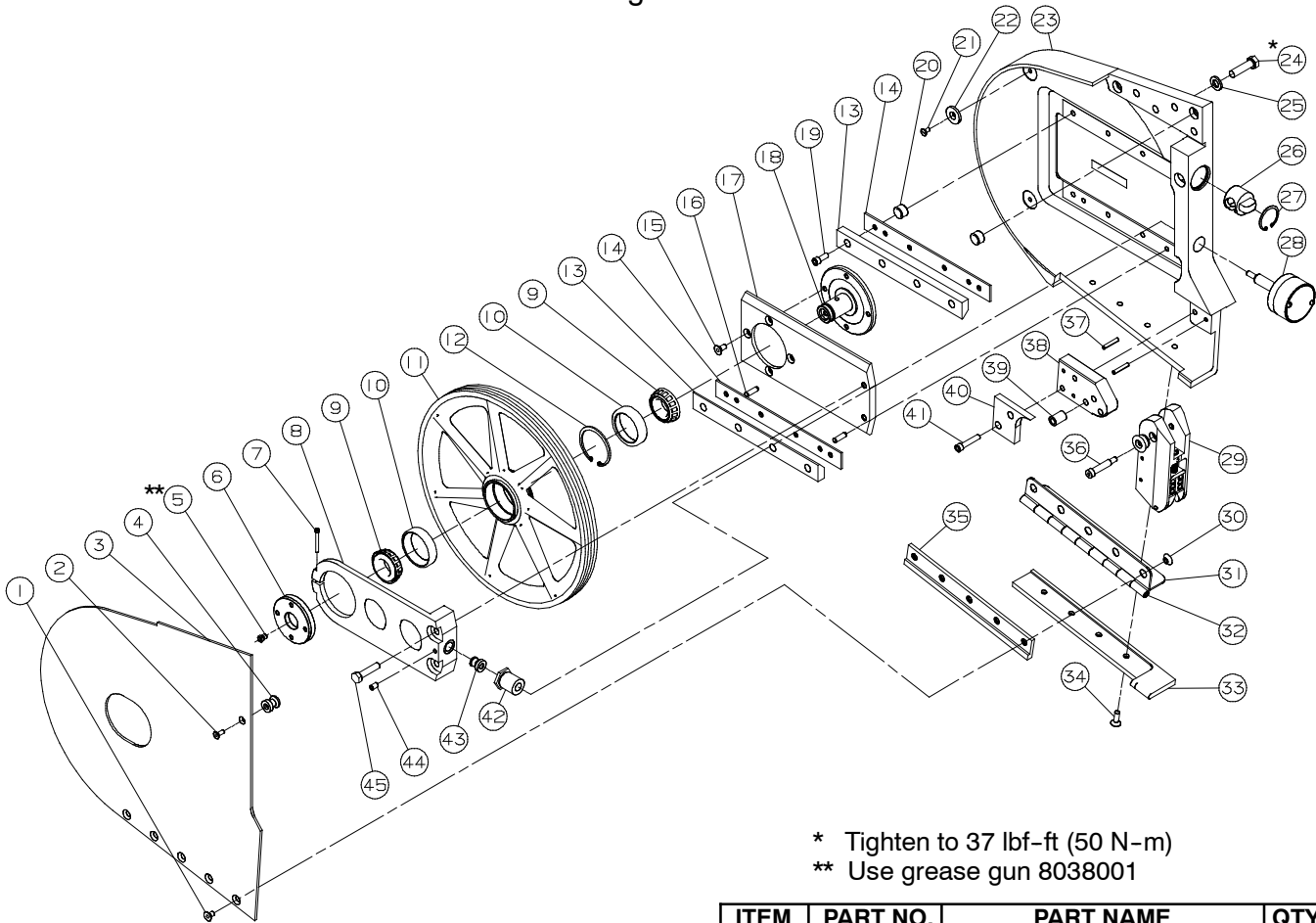
**SAFETY MESSAGES TO OPERATORS, MAINTENANCE AND CLEANUP  
PERSONNEL**

***REMOVE ANY MALFUNCTIONING TOOL FROM SERVICE  
REPORT ANY PROBLEMS TO YOUR SUPERVISOR***

1. **Disconnect** the power supply in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before making any blade changes.
2. **Disconnect** the power supply in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before performing any repairs or maintenance.
3. **Disconnect** the power supply - or have the power supply disconnected - in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before performing any cleanup.
4. **Disconnect** the power supply when the tool is not in use.
5. **Never** put fingers, hands or other parts of the body on the cutting edge or within the cutting path of the tool when it is connected to the power supply.
6. **Test** the tool prior to use or daily. **Depress one** trigger, then pause one second and depress the other trigger and the tool **should not** start. **Repeat** this procedure reversing the triggers. **Depress both** triggers simultaneously and the tool **should** start. With the tool running, release one trigger and the tool **should** stop. **Continue** holding the depressed trigger and then depress the other trigger. The tool **should not** start. **Repeat** this procedure holding the other trigger. *If the tool malfunctions, remove it from service and report or repair it immediately.*
7. **Never** depress the triggers unless you want to use or test the tool.
8. **Never** make modifications or alterations to the tool. *Report or replace any missing or illegible labels.*

## IDLER END

Figure A



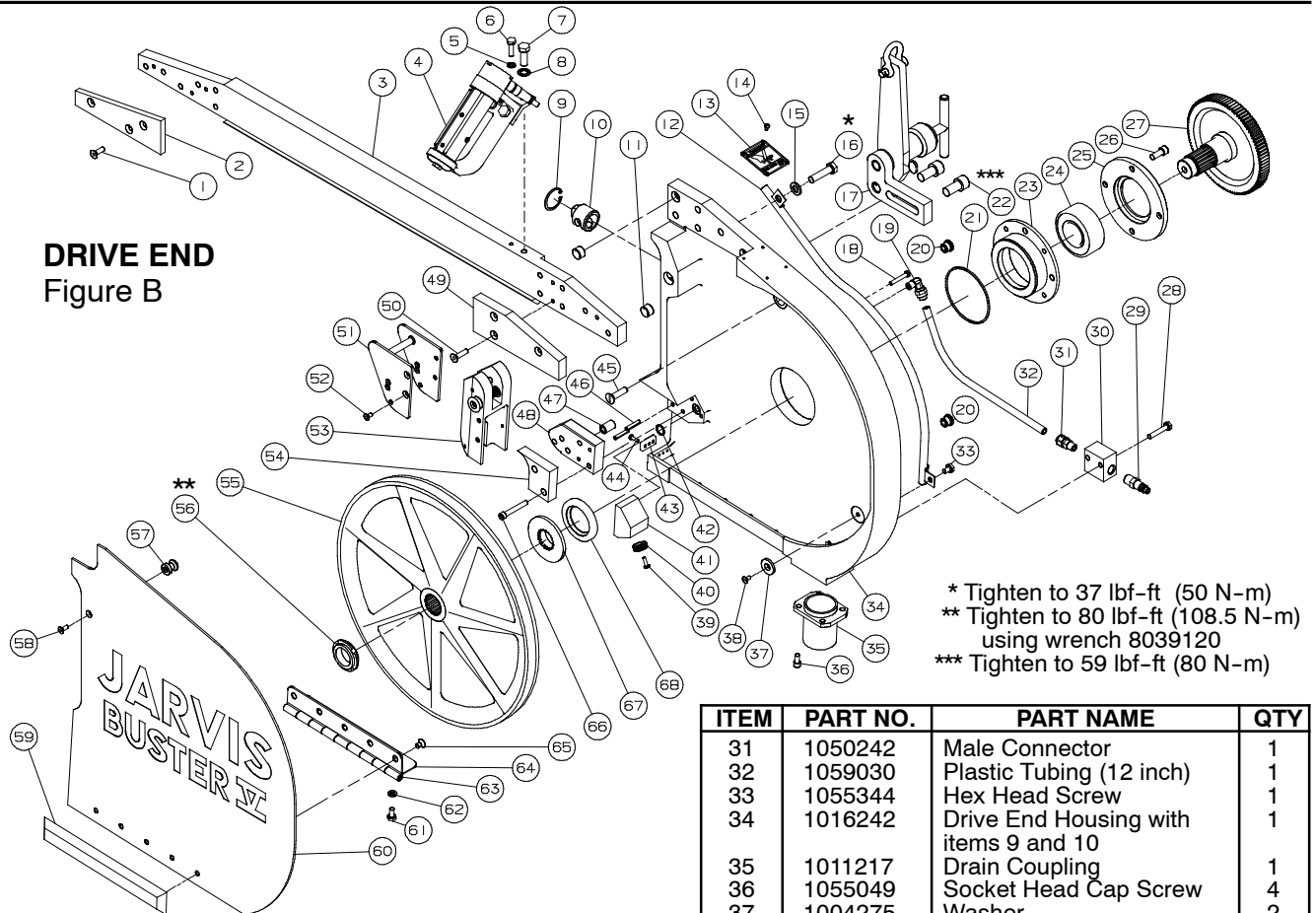
\* Tighten to 37 lbf-ft (50 N-m)

\*\* Use grease gun 8038001

ITEM	PART NO.	PART NAME	QTY
1	1055338	Flat Head Socket Screw	5
2	1055277	Flat Head Socket Screw	1
3	1002227	Idler Wheel Cover	1
4	1061201	Door Catch	1
5	1038011**	Grease Fitting	1
6	1007176	Lock Nut	1
7	1055536	Socket Head Cap Screw	1
8	1042127	Support Bracket with item 7	1
9	1021235	Roller Bearing Cone	2
10	1021234	Roller Bearing Cup	2
	3021006	Bearing Cup and Cone	
11	1057023	Idler Wheel	1
12	1013141	Internal Retaining Ring	1
13	1061220	Slide Rail	2
14	1029194	Slide Rail Spacer	2
15	1055363	Flat Head Socket Screw	4
16	1010481	Dowel Pin	2
17	1042126	Slide Plate	1
18	1020146	Idler Wheel Shaft	1
19	1055021	Socket Head Cap Screw	8
20	1036422	Bushing	2
21	1055862	Flat Head Screw	2

ITEM	PART NO.	PART NAME	QTY
22	1004275	Washer	2
23	1016243	Idler End Housing	1
24	1055488*	Hex Head Screw	6
25	1004154	Plain Washer	6
26	1006025	Door Knob	1
27	1013122	Internal Retaining Ring	1
28	page 6	Torque Knob Assembly	1
29	page 6	Guide Assembly, Idler End	1
30	1007177	Taper Nut	5
31	1067008	Hinge with item 32	1
32	1010214	Hinge Pin	1
33	1002221	Hinge Cover	1
34	1055361	Flat Head Socket Screw	4
35	1029195	Hinge Spacer	1
36	1055457	Socket Hd Shoulder Screw	2
37	1010579	Roll Pin	2
38	1032155	Guide Mounting Plate	1
39	1036127	Bushing (spare part only)	1
40	1002224	Guide Plate Cover	1
41	1055270	Socket Head Cap Screw	2
42	1060030	Hex Head Threaded Insert	1
43	1036103	Torque Knob Thrust Bushing	1
44	1055026	Socket Set Screw, Cup Pt.	1
45	1055486	Hex Head Screw	2

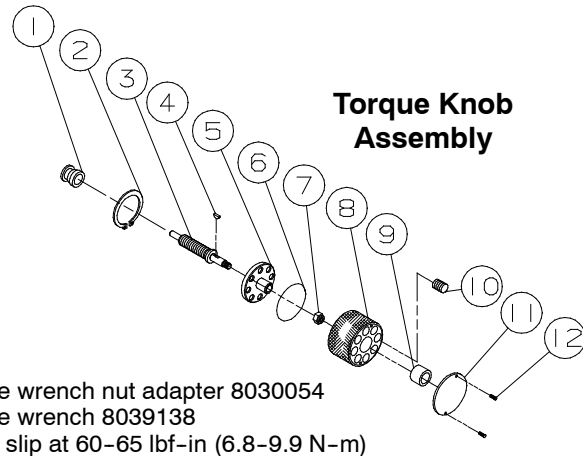




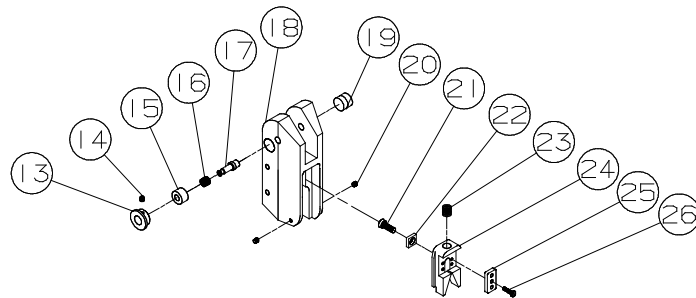
ITEM	PART NO.	PART NAME	QTY
1	1055361	Flat Head Socket Screw	3
2	1002218	Rail Cover, Idler End	1
3	1061229	Saw Frame Rail	1
4	page 7 or 8	Top Handle Assembly	1
5	1004051	Internal Lock Washer	1
6	1055304	Hex Head Screw	1
7	1055358	Hex Head Screw	1
8	1004093	Internal Lock Washer	1
9	1013122	Internal Retaining Ring	1
10	1006025	Door Knob	1
11	1036422	Bushing	2
12	3063022	Conduit Assembly	1
13	1017081	Danger Label	1
14	1055482	Pan Head Screw	4
15	1004154	Plain Washer	6
16	1055498*	Hex Head Screw	6
17	page 7	Hanger Assembly	1
18	1055331	Hex Head Screw	2
19	1050232	Male Elbow Assembly	1
20	1036128	Locator Bushing	2
21	1035208	O-ring	1
22	1055367***	Socket Head Cap Screw	2
23	1044043	Bearing Retaining Flange	1
24	1021424	Ball Bearing	1
25	1002213	Bearing Retaining Cover	1
26	1055027	Socket Head Cap Screw	4
27	1026090	Driven Gear 60 Hz 92 teeth	1
	1026078	Driven Gear 50 Hz 86 teeth	1
28	1055287	Hex Head Screw	2
29	1051001	Quick Connect Plug	1
30	1061203	External Water Manifold	1

ITEM	PART NO.	PART NAME	QTY
31	1050242	Male Connector	1
32	1059030	Plastic Tubing (12 inch)	1
33	1055344	Hex Head Screw	1
34	1016242	Drive End Housing with items 9 and 10	1
35	1011217	Drain Coupling	1
36	1055049	Socket Head Cap Screw	4
37	1004275	Washer	2
38	1055862	Flat Head Screw	2
39	1055499	Pan Head Screw	1
40	1061580	Adjustable Nozzle	1
41	1061614	Internal Water Manifold	1
42	1035210	O-ring	1
43	1058061	Blade Guide	1
44	1055490	Pan Head Screw	3
45	1055485	Flat Head Screw	1
46	1010579	Roll Pin	2
47	1036127	Bushing (spare part only)	1
48	1032155	Guide Mounting Plate	1
49	1002219	Rail Cover, Drive End	1
50	1055025	Flat Head Socket Screw	3
51	1024063	Blade Guide Guard	1
52	1055255	Flat Head Socket Screw	4
53	page 6	Drive End Guide Package	1
54	1002209	Guide Plate Cover	1
55	1057026	Drive End Wheel	1
	1057043	Drive End Wheel, Grooved	
56	1007173**	Bearing Locknut	1
57	1061201	Door Catch	1
58	1055277	Flat Head Socket Screw	1
59	1032156	Nut Cover Plate	1
60	1002228	Drive Wheel Cover	1
61	1055296	Hex Head Screw	4
62	1004049	Split Lock Washer	4
63	1010214	Hinge Pin	1
64	1067007	Hinge with item 63	1
65	1055338	Flat Head Socket Screw	5
66	1055459	Socket Head Cap Screw	2
67	1029187	Spacer	1
68	1035207	Oil Seal	1

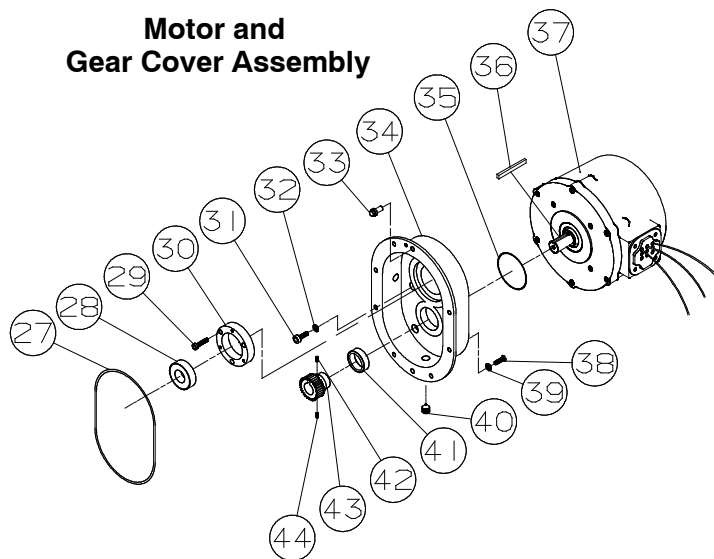
ITEM	PART NO.	PART NAME	QTY
1	1036103	Thrust Bushing	1
2	1013244	Internal Retaining Ring	1
3	1020144	Torque Knob Shaft	1
4	1030067	Woodruff Key	1
5	1021259	Flanged Bearing Race	1
6	1035163	O-ring	1
7	1007041	Hex Lock Nut	1
8	1006026	Torque Knob	1
9	1021106	Roller Bearing	1
10	1039024	Ball Plunger	8
11	1002239	Torque Knob Cover	1
12	1055482	Pan Head Screw	2
	3006005	Torque Knob Assembly (includes items 1-12)	
13	1006022	Lock Pin Knob	2
14	1073037	Socket Set Screw, Cup Pt.	2
15	1036124	Drive End Lock Pin Bushing	1
	1036131	Idler End Lock Pin Bushing	1
16	1014059	Compression Spring	2
17	1010213	Drive End Lock Pin	1
	1010219	Idler End Lock Pin	1
18	1016246	Drive End Guide Housing	1
	1016247	Idler End Guide Housing	1
19	1061202	Guide Plug	2
20	1055494	Socket Set Screw, Special	4
21	1055502	Socket Head Cap Screw	2
22	1058078	Back-up Blade Guide	2
23	1014083	Compression Spring	2
24	1061231	Blade Guide Mounting Plate	2
25	1058061	Blade Guide Insert	4
26	1055490	Pan Head Slotted Screw	12
	3058057	Drive End Guide Package (includes items 13-26)	1
	3058056	Idler End Guide Package (includes items 13-26)	1
27	1035209	O-ring	1
28	1021139	Ball Bearing	1
29	1055948	Socket Head Cap Screw	3
30	1016227	Bearing Retaining Flange	1
31	1055104	Socket Head Cap Screw	4
32	1004069	Split Lock Washer	4
33	1010215	Locator Pin	2
34	1016244	Gear Housing, 60 Hertz	1
	1016225	Gear Housing, 50 Hertz	
35	1035009	O-ring	1
36	1030096	Square Key	1
37	page 9	Motor (3.3 HP):	1
	1008065	575V, 60 Hz	
	1008077	460/230V, 60 Hz	
	1008135	380/220V, 50 Hz	
	1008079	42V, 50 Hz	
		Motor (5 HP):	
	1008376	575V, 60 Hz	
	1008251	460/230V, 60 Hz	
	1008367	380/220V, 50 Hz	
	1008294	42V, 50 Hz	
38	1055357	Hex Head Screw	8
39	1004032	Flat Washer	8
40	1050771	Hex Socket Pipe Plug	2
41	1035206	Oil Seal	1
42	1055467	Socket Set Screw, Cup Pt.	1
43	1026089	Drive Gear, 60 Hz 28 teeth	1
	1026087	Drive Gear, 50 Hz 30 teeth	1
44	1055468	Socket Set Screw, Flat Pt.	1
		Motor Accessories, Finned:	1
	1035214	Gasket Seal	
	1021240	Ball Bearing (Front)	
	1021241	Ball Bearing (Rear)	
	1063163	Rotor	
	1035216	Oil Seal	
	1063176	Electrical Plug	



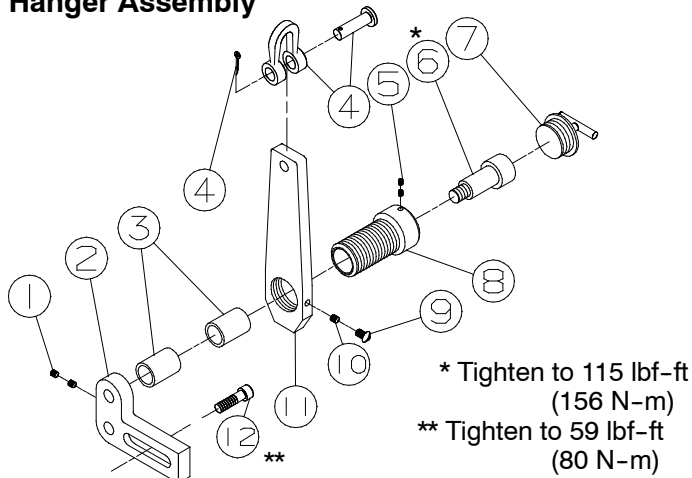
**Blade Guide Assembly, Idler and Drive End**



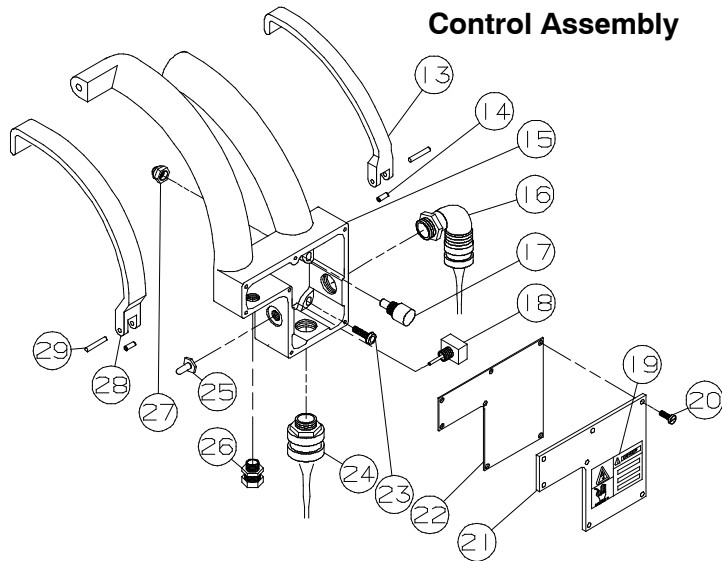
**Motor and Gear Cover Assembly**



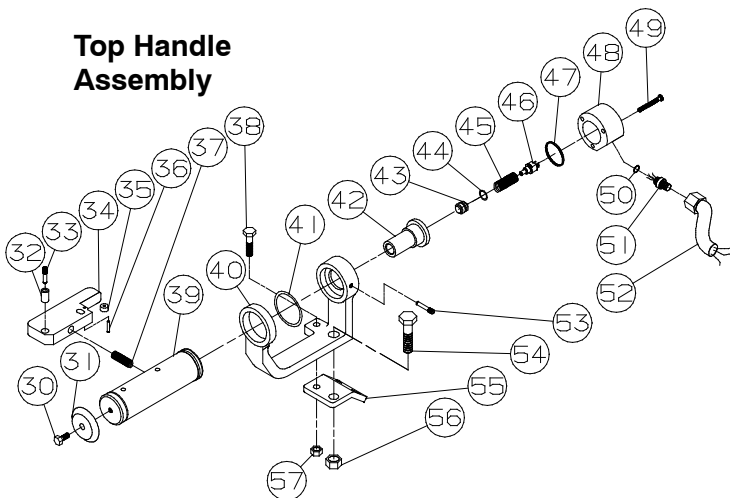
### Hangar Assembly



### Dual Handle Control Assembly



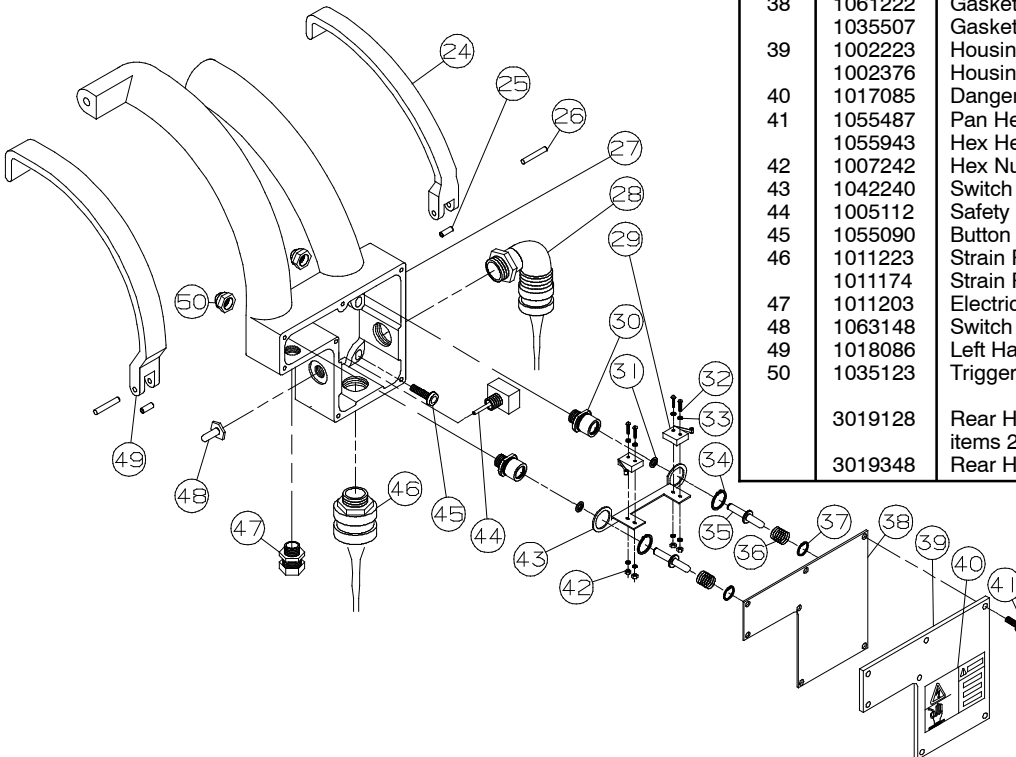
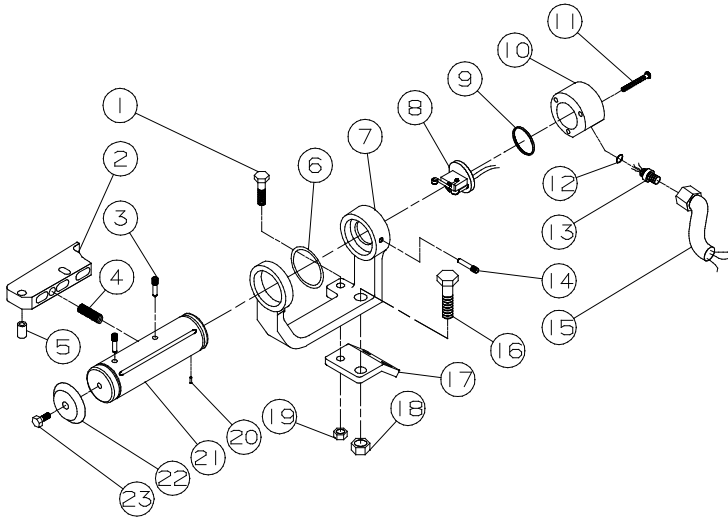
### Top Handle Assembly



ITEM	PART NO.	PART NAME	QTY
1	1055721	Socket Set Screw, Cup Pt.	2
2	1042125	Hangar Bracket	1
3	1021493	Cylindrical Bearing	2
4	1028040	Pin and Shackle Link Assy.	1
5	1055469	Socket Set Screw, Cup Pt.	1
6	1055455*	Socket Hd Shoulder Screw	1
7	1050243	Handle and Plug	1
8	1016226	Bearing Retaining Housing	1
9	1055471	Thumb Screw	1
10	1061855	Cylindrical Insert	2
11	1028061	Hangar Link	1
12	1055367**	Socket Head Cap Screw	2
	3061080	Hangar Assembly (includes items 1-11)	
13	1018085	Right Hand Trigger Lever	1
14	1036132	Bushing (incl. with item 15)	2
15	1019086	Switch Housing and Handle	1
16	1011182	Strain Relief Connector	1
17	1005020	Push Button Switch	2
18	1005112	Safety Kill Switch	1
19	1017085	Electric Danger Label	1
20	1055487	Pan Head Screw	7
21	1002223	Switch Hsg Cover w/ item 19	1
22	1061222	Switch Housing Gasket	1
23	1055090	Button Head Screw	4
24	1011223	Strain Relief Connector	1
	1011174	Cord Connector, 42V only	
25	1063148	Switch Boot	1
26	1011203	Strain Relief Connector	1
27	1035123	Threaded Boot Seal	2
28	1018086	Left Hand Trigger Lever	1
29	1010145	Dowel Pin	2
	3019035	Saw Handle Assembly (includes items 13-23 and 25-29)	
30	1055296	Hex Head Screw	1
31	1004182	Washer	1
32	1021314	Bushing	1
33	1010273	Threaded Pin	2
34	1018111	Trigger Lever with items 32, 35 and 36	1
35	1061368	Trigger Roller	1
36	1010275	Dowel Pin	1
37	1014096	Compression Spring	1
38	1055328	Hex Head Screw	1
39	1019118	Handle	1
40	1042164	Handle Bracket	1
41	1013181	External Retaining Ring	1
42	1016316	Switch Housing	1
43	1039044	Plunger with item 44	1
44	1035173	O-ring	1
45	1014098	Compression Spring	1
46	1005059	Push Button Switch	1
47	1035282	O-ring	1
48	1002270	Switch Cover	1
49	1055592	Flat Head Phillips Screw	3
50	1035210	O-ring	1
51	1063220	Electrical Connector w/item 50	1
52	1001049	Wire and Plug	1
53	1010274	Threaded Pin	1
54	1055358	Hex Head Screw	1
55	1042176	Handle Bracket	1
56	1007022	Hex Lock Nut	1
57	1007059	Hex Lock Nut	1
	3019073	Top Handle Assembly (includes items 30-57)	

## Micro Switch Electric Handle Assemblies

### Top Handle Assembly

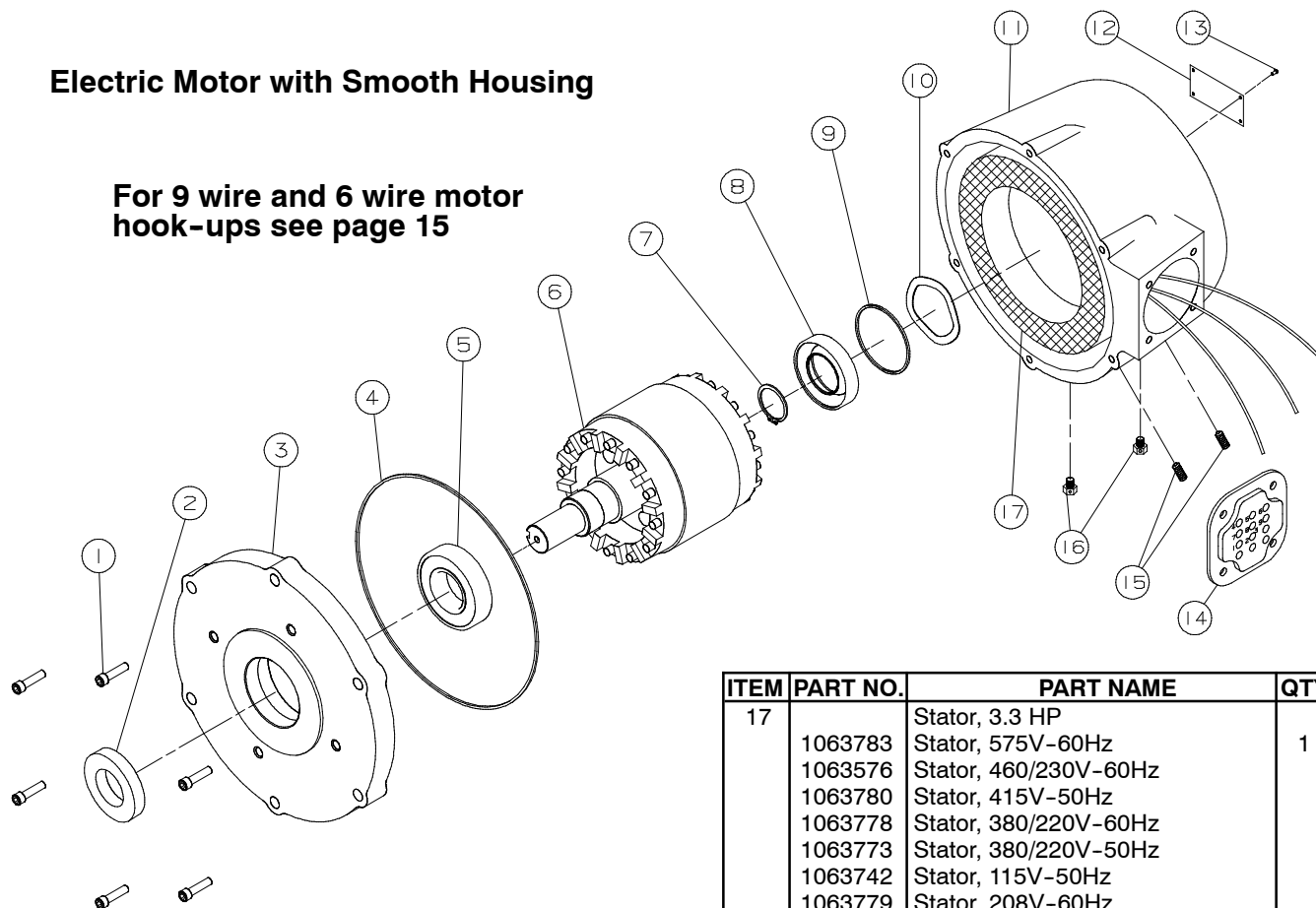


### Rear Handle Assembly

ITEM	PART NO.	PART NAME	QTY
1	1055328	Hex Head Screw	1
2	1018113	Trigger Lever with item 5	1
3	1010273	Threaded Pin	2
4	1014096	Spring	1
5	1021314	Bushing	1
6	1013181	External Retaining Ring	1
7	1042164	Handle Bracket	1
8	3005017	Switch Assembly	1
9	1035282	O-ring	1
10	1002270	Switch Cover	1
11	1055592	Flat Head Screw	3
12	1035210	O-ring	1
13	1063220	Electrical Connector w/item 12	1
14	1010274	Threaded Pin	1
15	1001049	Wire with Molded Plug	1
16	1055358	Hex Head Screw	1
17	1042176	Handle Mounting Bracket	1
18	1007022	Hex Lock Nut	1
19	1007059	Hex Lock Nut	1
20	1010297	Roll Pin	1
21	1019128	Switch Handle with item 20	1
22	1004182	Washer	1
23	1055296	Hex Head Screw	1
	3019115	Top Handle Assembly (includes items 1-23)	
24	1018085	Right Hand Trigger Lever	1
25	1036132	Bushing (included with item 27)	2
26	1010145	Pin	2
27	1019086	Switch Housing and Handle	1
28	1011182	Connector, 90 Degree	1
29	1005114	Switch	2
30	1016354	Switch Housing with item 31	2
31	1035012	O-ring	2
32	1055629	Round Head Screw	4
33	1004423	Washer	8
34	1013198	External Retaining Ring	2
35	1039051	Plunger	2
36	1014119	Spring	2
37	1013197	Internal Retaining Ring	2
38	1061222	Gasket	1
	1035507	Gasket, 42V	
39	1002223	Housing Cover with item 40	1
	1002376	Housing Cover, 42V w/item 40	
40	1017085	Danger Label	1
41	1055487	Pan Head Screw	7
	1055943	Hex Head Screw, 42V	
42	1007242	Hex Nut	4
43	1042240	Switch Mounting Bracket	1
44	1005112	Safety Kill Switch	1
45	1055090	Button Head Screw	4
46	1011223	Strain Relief Connector	1
	1011174	Strain Relief Connector, 42V	
47	1011203	Electrical Connector	1
48	1063148	Switch Boot	1
49	1018086	Left Hand Trigger Lever	1
50	1035123	Trigger Boot Switch	2
	3019128	Rear Handle Assy (includes items 24-45 and 47-50)	
	3019348	Rear Handle Assy, 42V	

## Electric Motor with Smooth Housing

For 9 wire and 6 wire motor  
hook-ups see page 15

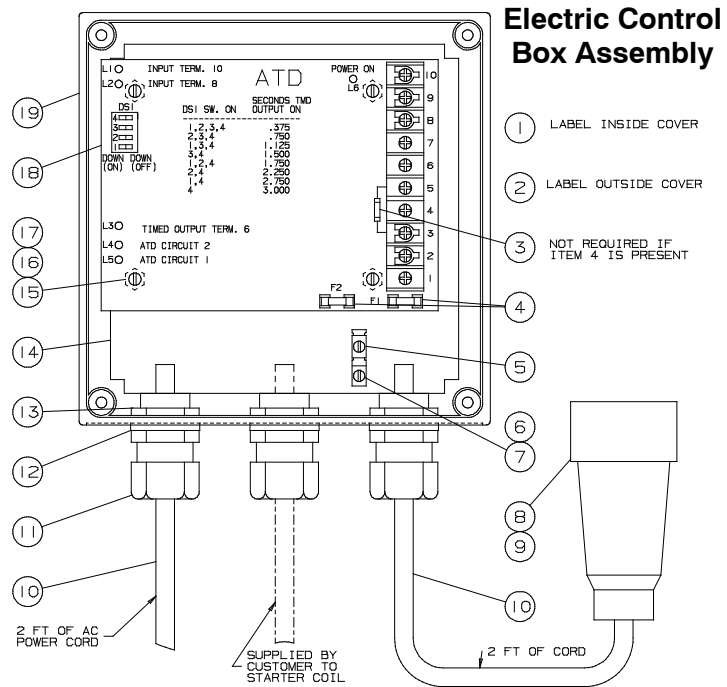


ITEM	PART NO.	PART NAME	QTY
1	1055321	Socket Head Cap Screw	6
2	1035216	Seal	1
3	1002342	Motor Cover	1
4	1035456	O-ring	1
5	1021240	Ball Bearing	1
6	3064001	Rotor Assembly, 3.3 HP	1
	3064004	Rotor Assembly, 5 HP	
7	1013211	Retaining Ring	1
8	1021302	Ball Bearing	1
9	1035795	O-ring	1
10	1014141	Wave Spring	1
11	1016406	Motor Housing, 3.3 HP	1
	1016596	Motor Housing, 5 HP	
12	1017158	Information Label	1
13	1055039	Drive Screw	4
14	1035214	Gasket	1
15	1055849	Socket Set Screw	2
16	1051151	Threaded Fitting	2

ITEM	PART NO.	PART NAME	QTY
17		Stator, 3.3 HP	1
	1063783	Stator, 575V-60Hz	
	1063576	Stator, 460/230V-60Hz	
	1063780	Stator, 415V-50Hz	
	1063778	Stator, 380/220V-60Hz	
	1063773	Stator, 380/220V-50Hz	
	1063742	Stator, 115V-50Hz	
	1063779	Stator, 208V-60Hz	
	1063712	Stator, 42V-50Hz	
		Stator, 5 HP	
	1072384	Stator, 575V-60Hz	
	1063893	Stator, 460/230V-60Hz	
	1072002	Stator, 400/230V-50Hz	
	1063955	Stator, 42V-50Hz	
		Stator and Housing Assembly (includes items 9, 11-13 & 15-17) 3.3 HP	1
	3016336	Hsg & Stator 575V-60Hz	
	3016337	Hsg & Stator 460/230V-60Hz	
	3016338	Hsg & Stator 415V-50Hz	
	3016339	Hsg & Stator 380/220V-60Hz	
	3016340	Hsg & Stator 380/220V-50Hz	
	3016342	Hsg & Stator 208V-60Hz	
	3016341	Hsg & Stator 115V-50Hz	
	3016343	Hsg & Stator 42V-50Hz	1
		5 HP	
	3016553	Hsg & Stator 575V-60Hz	
	3016572	Hsg & Stator 460/230V-60Hz	
	3016541	Hsg & Stator 380/220V-50Hz	1
	3016466	Hsg & Stator 42V-50Hz	
		Power Cords (not shown)	1
	3001125	42V, 20 ft	
	3001121	115-575V, 20 ft	

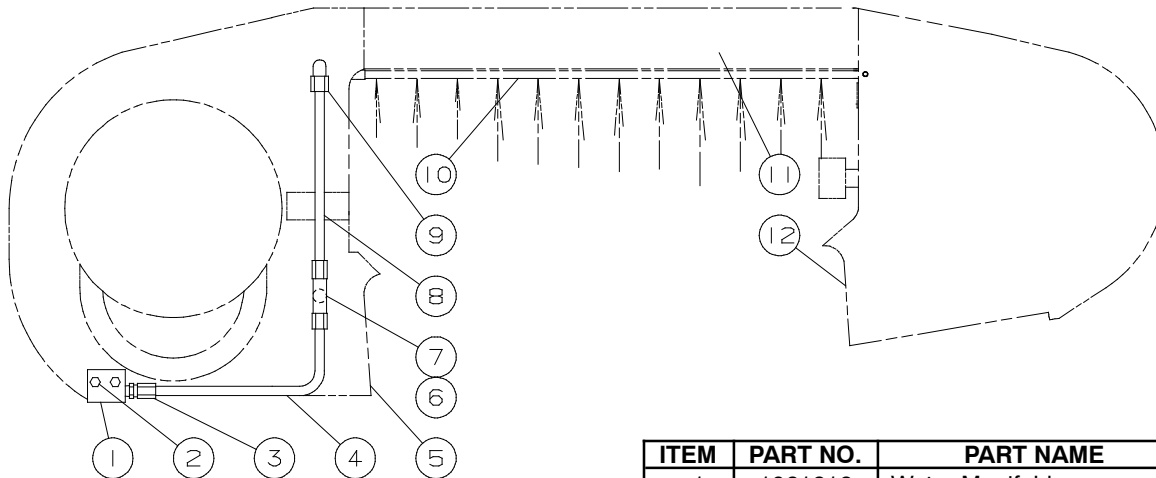
ITEM	PART NO.	PART NAME	QTY
1	1017110	Wiring Diagram, 115V	1
	1017111	Wiring Diagram, 220V	1
2	1017085	Electrical Danger Label	1
3	1063311*	Pigtail Fuse, 115V	1
	1063312*	Pigtail Fuse, 220V	1
4	1072091	Glass Fuse, 115V	1
	1063862	Glass Fuse, 220V	1
5	1063410	Ground Lug	1
6	1004022	Internal Lock Washer	1
7	1055010	Pan Head Screw	1
8	1063208	Electrical Outlet	1
9	1063209	Electrical Plug (not shown)	1
10	1001014	Electrical Cord	ft
11	1011240	Strain Relief Connector	3
12	1004211	Sealing Washer	3
13	1007278	Locking Nut	3
14	1032265	Panel	1
15	1073072	Pan Head Slotted Screw	4
16	1029445	Hex Spacer	4
17	1004244	Lock Washer	4
18	1072071	ATD Circuit Board, 115V	1
	1072072	ATD Circuit Board, 220V	1
19	1016346	Electrical Box Enclosure	1
	3016167	Control Box Assy, 115V	
	3016190	Control Box Assy, 220V	

\* not used in current tools



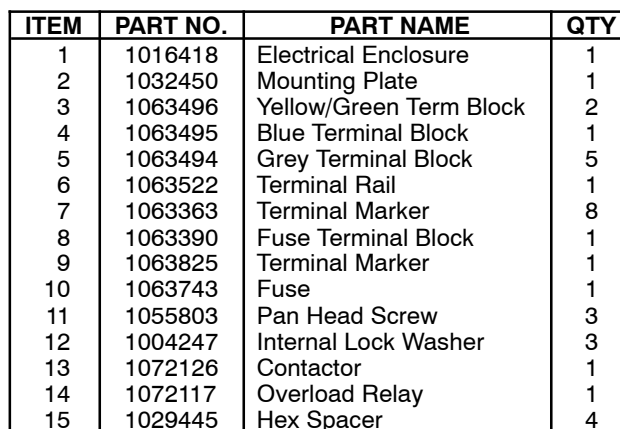
### 4006036

### Band Saw with Cold Water Spray



ITEM	PART NO.	PART NAME	QTY
1	1061616	Water Manifold	1
2	1055287	Hex Head Screw	2
3	1050497	Tube to Pipe Connector	1
4	1064521	Plastic Tubing, 12 inch	1
5	1016505	Drive End Housing	1
6	1050483	Reducer Fitting	1
7	1050488	Tee Fitting	1
8	1061526	Plastic Tubing, 11 inch	1
9	1050496	Tube Connector Elbow	1
10	1061525	Spray Tube	1
11	1061659	Saw Frame Rail	1
12	1016506	Idler End Housing	1

FOR 230V USE: ITEM 14 1072119 OVERLOAD AND  
ITEM 30 1017525 WIRING DIAGRAM



ITEM	PART NO.	PART NAME	QTY
16	1004244	Internal Lock Washer	4
17	1073072	Plastic Screw	4
18	1007266	Locking Nut	1
19	1063862	Fuse	2
20	1011262	Strain Relief Connector	1
21	1072072	ATD Circuit Board, 220V	1
22	1063502	Terminal Fork	9
23	1007256	Locking Nut	1
24	1011249	Strain Relief Connector	1
25	1007249	Locking Nut	2
26	1011248	Strain Relief Connector	2
27	1001089	Electrical Cord, 3 ft	1
28	1063208	Electrical Plug	1
29	1017085	Danger Label	1
30	1017155	Connection Diagram	1
	3063179	Control Box Assv. 380V	

### SPECIFICATIONS

#### Model Buster V

Motor Power	3.3 hp	2500 W
	5 hp	3730 W
Operating Voltage	460/230 V, 3 Phase, 60 Hz all other voltages and 50 Hz available	
Capacity	180 head / hour	
Control Handles	Electric Dual Anti-tie Down	
Distance between guides	19.75 in	502 mm
Blade Length	127 in	3226 mm
Overall Length	57 in	1448 mm
Drive Wheel Speed	530 rpm	
Vibration (less than)	115 dB	0.6 m/sec <sup>2</sup>
Weight	196 lbs	88.9 kg

### INSTALLATION INSTRUCTIONS



**ALWAYS DISCONNECT THE POWER SUPPLY IN ACCORDANCE WITH OSHA'S LOCKOUT/TAGOUT PROCEDURES (29 CFR 1910.147) BEFORE PERFORMING ANY MAINTENANCE OR REPAIRS.**



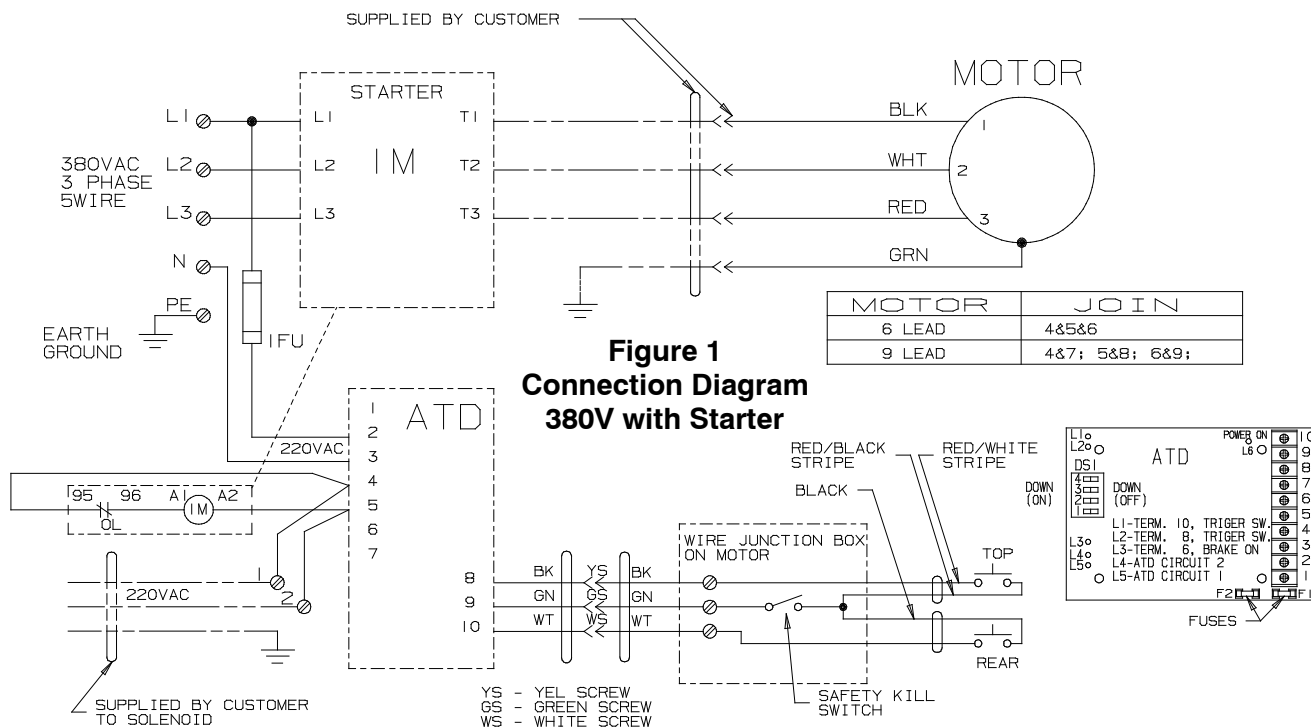
**ALL WIRING MUST BE DONE IN ACCORDANCE WITH NATIONAL, STATE AND LOCAL ELECTRICAL CODES.**

- 1 Install the electrical control box in a dry location that will not be subject to wash downs.
- 2 Wire the electrical control box.

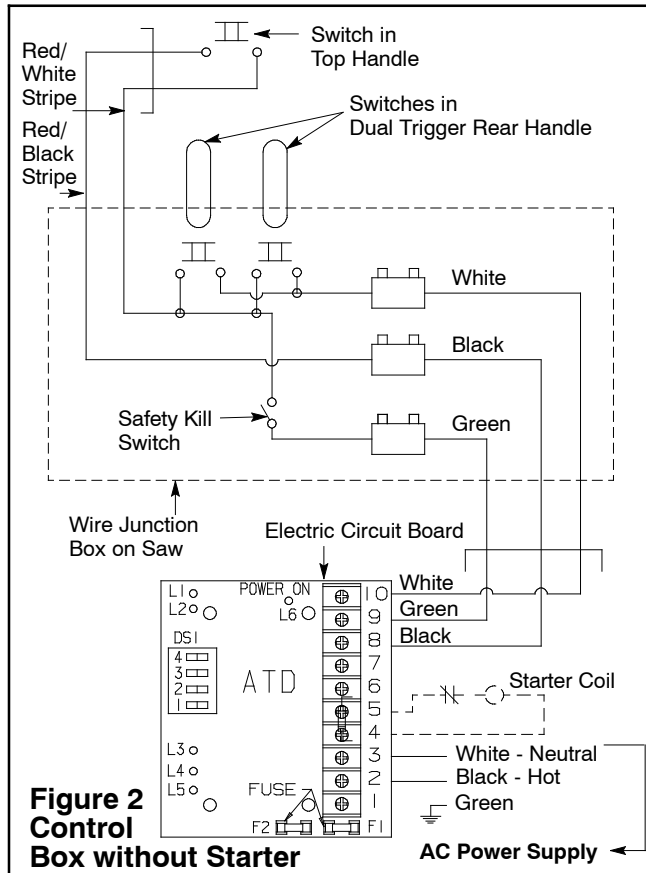
Refer to figures 1-3.

- 2.1 Attach wires numbered 1, 2 and 3 to the appropriate AC power supply. Check the label (item 1, page 10 or item 29, page 11) inside the control box cover for the correct voltage and frequency.
- 2.2 Attach wires numbered 4 and 5 to a starter coil (supplied by the customer). *Disconnect any other source of power to the starter coil. The coil operating voltage is indicated on the label (item 1, page 10 or item 29, page 11) inside the control box cover.*
- 2.3 The trigger signal connection between the Buster V and the control box is pre-wired and is approximately 22 feet (6.7 m) long.

- 3 Wire the motor.







3.1 Follow the wiring diagram shown on page 16 for all dual voltage (6 or 9 wire) motors. All motors require a power cord with three leads plus an earth ground.

3.1.1 Make sure that drive end wheel (item 55, Figure B, page 5) rotates counterclockwise.  
**Note: the power supply must be connected to perform the above test only.**

4 Install the balancer above the work station on a trolley.

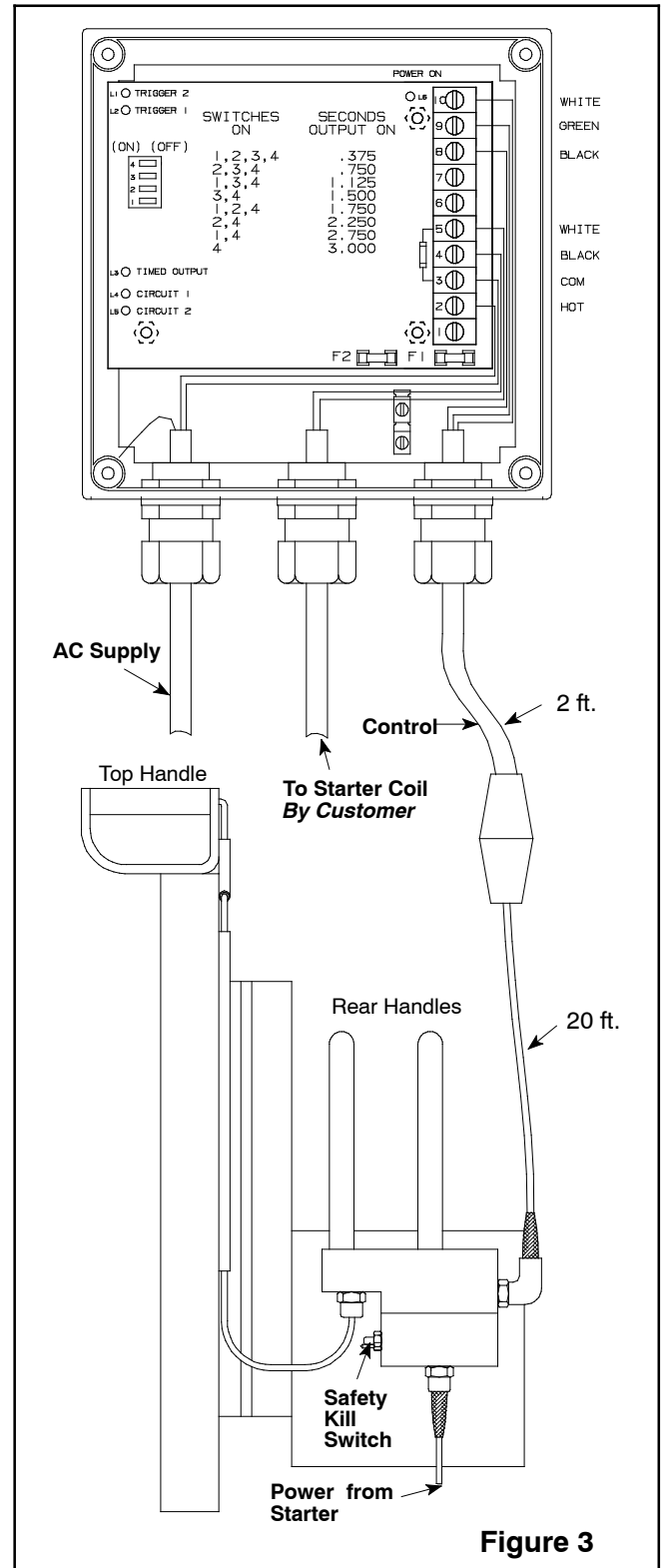
4.1 The trolley should have sufficient travel to allow the operator to reach the entire work area. *Refer to figure 4 for dimensions.*

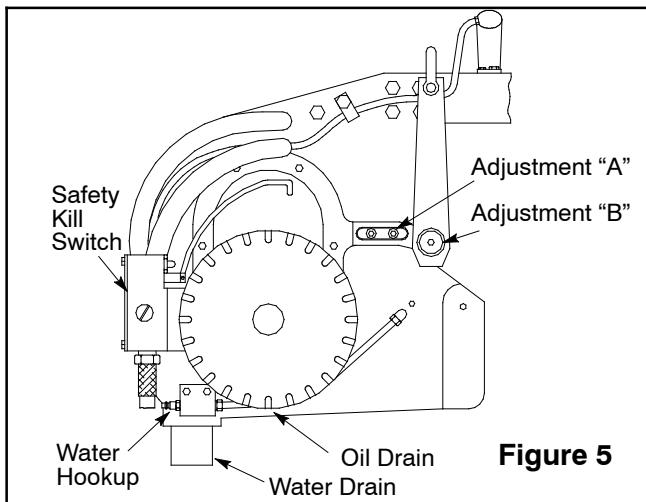
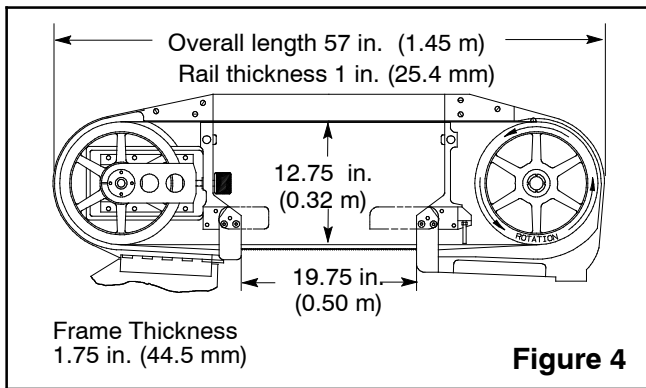
5 Suspend the Buster V from the balancer.

5.1 Adjust the balancer to the operators' preference.

6 Adjust the hanger.

*Refer to figure 5 for steps 6.1-6.2.*





### 6.1 Adjustment "A" to adjust the tilt of the saw:

- Move hanger bracket (item 2, page 7) toward the rear of the Buster V to tip the nose of the saw down.
- Move the hanger bracket toward the front of the Buster V to tip the nose of the saw up.
- Tighten socket head cap screws (item 12, page 7) to 59 lbf-ft (80 N-m).

### 6.2 Adjustment "B" to adjust the saw to cut straight down the backbone:

- Turn handle (item 7, page 7) clockwise to cut more to the right.
- Turn the handle counter-clockwise to cut more to the left.

## 7 Attach a cold or warm water hookup.

Refer to figure 5 for steps 7.1-7.2.

### 7.1 Attach cold or warm water to quick connect plug (item 29, Figure B, page 5).

### 7.2 Attach a drain hose (supplied by customer) to the drain coupling (item 35, Figure B, page 5).

## OPERATION INSTRUCTIONS

**ALWAYS DISCONNECT THE POWER SUPPLY IN ACCORDANCE WITH OSHA'S LOCKOUT/TAGOUT PROCEDURES (29 CFR 1910.147) BEFORE PERFORMING ANY MAINTENANCE OR REPAIRS.**



- 1 Turn on the power.
- 2 Prior to use or daily, perform the following tests.
  - 2.1 Make sure that the dual anti-tie down control handles (the top and the rear handles) are working correctly. **Depress each** trigger separately and the tool should not start. **Depress one** trigger, then pause one second and depress the other trigger and the tool should not start. **Repeat** this procedure reversing the triggers. **Depress both** triggers simultaneously (within one half second of each other) and the tool should start. With the tool running, **release one** trigger and the tool should stop. **Continue** holding the depressed trigger and then depress the other trigger. The tool should not start. **Repeat** this procedure holding the other trigger. **If the tool malfunctions, remove it from service and report the problem to your supervisor immediately.**
  - 2.2 Make sure that the Buster V moves freely on its balancer.



## 3 Making the cut.

*If an elevating platform is used, the operator can keep the Buster V in a horizontal position during most of the split.*

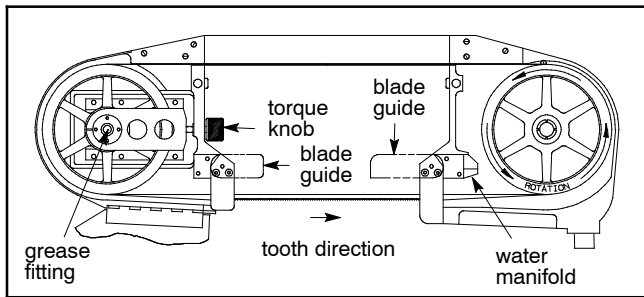
*Always avoid using pressure; instead, guide the Buster V.*

*Step 3.1 is necessary only during the operators' learning period.*

- 3.1 Mark the center of the backbone of the beef with a knife.
- 3.2 Start the Buster V.
- 3.3 Saw through the tail bone using the knife mark as a guide.
  - 3.3.1 The idler end of the Buster V should be pointing upward while sawing through the tail bone.
  - 3.3.2 Do not pressure the Buster V; guide the Buster V.

- 3.4 When the tail bone hits the crossbeam of the Buster V, saw until the tail bone breaks apart and the Buster V is allowed to continue its path down the backbone of the beef.
- 3.4.1 The drive end of the Buster V should be lower than the idler end while sawing through the tail bone.
- 3.5 After the tail and aitch bones have been split, saw through the loin area.
- 3.5.1 The Buster V should be in a horizontal position during this cut.
- 3.5.2 Do not pressure the Buster V; guide the Buster V to ensure a straight cut.
- 3.6 Saw through the shoulder and neck of the beef.
- 3.6.1 The idler end of the Buster V should be pointing downward while sawing through the shoulder and neck.

## MAINTENANCE INSTRUCTIONS



**ALWAYS DISCONNECT THE POWER SUPPLY IN ACCORDANCE WITH OSHA'S LOCKOUT/TAGOUT PROCEDURES (29 CFR 1910.147) BEFORE PERFORMING ANY REPAIRS OR MAINTENANCE.**



### 1 DAILY:

- 1.1 The Buster V is equipped with dual anti-tie down control handles (the top and the rear handles). Check for the correct operation of the dual anti-tie down control handles *prior to use or daily*. **Depress each** trigger separately and the tool should not start. **Depress one** trigger, then pause one second and depress the other trigger and the tool should not start. **Repeat** this procedure reversing the triggers. **Depress both** triggers simultaneously (within one half second of each other) and the tool should start. With the tool running, **release one** trigger and the tool should stop. **Continue** holding the depressed trigger

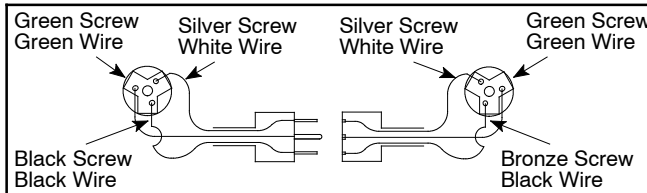


and then depress the other trigger. The tool should not start. **Repeat** this procedure holding the other trigger. **If the tool malfunctions, repair or remove it from service immediately. Note: the power supply must be connected to perform the above operation only.**

- 1.2 Clean and check the blade guide assemblies: *Refer to the parts diagram on page 6 for referenced items unless otherwise noted.*  
*Note: the backup blade guides can be replaced or rotated without removing the blade guide mounting plate from the saw.*
- 1.2.1 Remove two (2) set screws (item 20).
- 1.2.2 Slide the blade guide mounting plate (item 24) out of the guide housing (item 18).
- 1.2.3 Remove six (6) screws (items 26).
- 1.2.4 Rotate or replace the blade guide inserts (item 25) as required.
- 1.2.5 Insert a 0.022 in. (0.56 mm) feeler gage between the blade guide inserts.
- 1.2.6 Apply a light pressure to the outside of the blade guides.
- 1.2.7 Tighten the six (6) screws (item 26).
- 1.2.8 Remove screw (item 21).
- 1.2.9 Rotate or replace the back-up blade guide (item 22) as required.
- 1.2.10 Tighten the screw (item 21).
- 1.2.11 Tighten locknut (item 56, Figure B, page 5) to 80 lbf-ft (108.5 N-m). **Jarvis** wrench 8039120 is available.
- 1.3 Check the front bearings:
- 1.3.1 Grease the front wheel bearings through grease fitting (item 5, Figure A, page 4) with food grade wheel bearing grease (NLGI 2).
- 1.4 Check the oil in the gear housing:
- 1.4.1 Check the level of oil in the gear housing (item 34, page 6).
- 1.4.2 Change the oil if these conditions exist:
- The oil contains water.
  - The oil is dark or gritty.
  - Any bearing is being replaced.
- 1.4.2.1 The saw should be tilted rearward and filled with approximately 1.5 quarts (1.42 liters) of food grade SAE 85W-90, ISO 100 or AGMA 3 gear oil.

### 1.5 Check the cord and plug assembly:

- 1.5.1 Check the cord and plug assembly (items 8-10, page 10) for wear and replace if necessary.



### 2 WEEKLY:

Refer to page 6 for referenced items unless otherwise noted.

#### 2.1 Clean the torque knob:

- 2.1.1 Remove the torque knob assembly (item 28, Figure A, page 4) from the Buster V.
- 2.1.2 Remove screws (item 12).
- 2.1.3 Remove cover (item 11).
- 2.1.4 Turn the torque knob over.
- 2.1.5 Remove retaining ring (item 2).
- 2.1.6 Remove shaft (item 3) assembly.
- 2.1.7 Clean all grease out of the torque knob.
- 2.1.8 Turn the torque knob so that ball plungers (item 10) are visible.
- 2.1.9 Pour oil onto the ball plungers.
- 2.1.10 Work each ball plunger up and down with a wooden dowel to lubricate the springs.
- 2.1.11 Apply **Jarvis 1315 White Grease** to the ball plunger surface and to the bearing (item 9).
- 2.1.12 Install the shaft (item 3).
- 2.1.13 Rotate the shaft slightly until you can feel the balls fall into their holes.

#### 2.1.14 Install the retaining ring (item 2).

- 2.1.15 Tighten the torque knob to 60-65 lbf-in (6.8-9.9 N-m). Torque wrench nut adapter 8030054 and torque wrench 8039138 are available.

#### 2.1.16 Install the torque knob cover (item 11).

#### 2.1.17 Install the screws (item 12).

#### 2.1.18 Install the torque knob assembly on the Buster V.

### 3 WHEN NECESSARY:

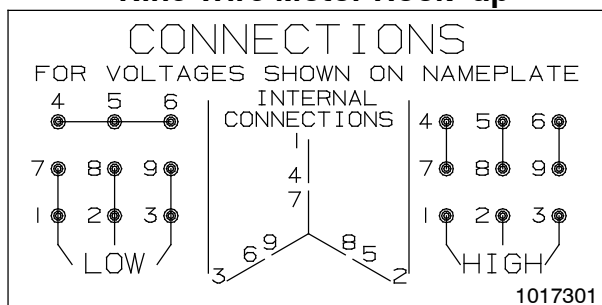
#### 3.1 Replace the blade:

- 3.1.1 Open wheel covers (item 3, Figure A, page 4 and item 60, Figure B, page 5).
- 3.1.2 Loosen the torque knob (item 28, Figure A, page 4) by turning it fully counter-clockwise.
- 3.1.3 Raise the blade guide assemblies (item 29, Figure A, page 4 and item 53, Figure B, page 5) so that both guide assemblies are parallel to the floor.
- 3.1.4 Install the blade with teeth pointing inward, toward the frame.
- 3.1.5 Tighten the torque knob until it "clicks."
- 3.1.6 Twist the blade so that the teeth point downward; set the blade guide assemblies down over the blade.
- 3.1.7 Close the doors.
- 3.1.8 Tighten the torque knob after saw has run a few minutes.

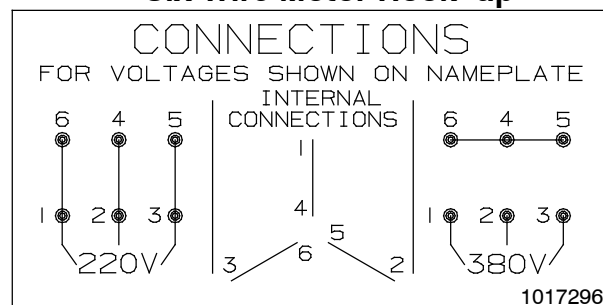
#### 3.2 Tighten the front wheel:

- 3.2.1 Turn the front bearing locknut (item 6, Figure A, page 4) clockwise until hand tight.

### Nine Wire Motor Hook-up



### Six Wire Motor Hook-up



TO REVERSE ROTATION INTERCHANGE  
ANY 2 LINE WIRES.