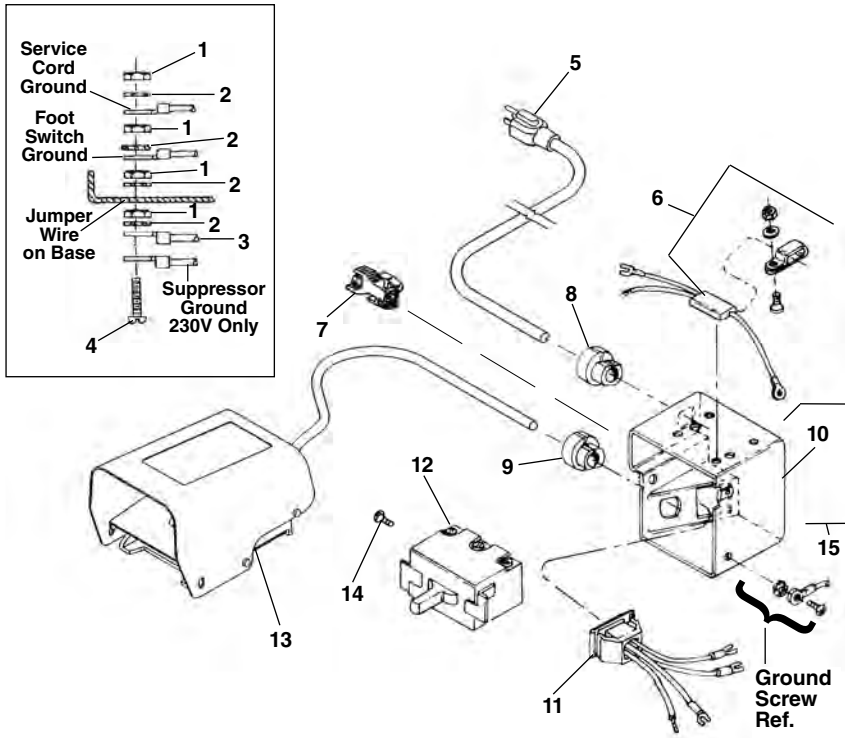


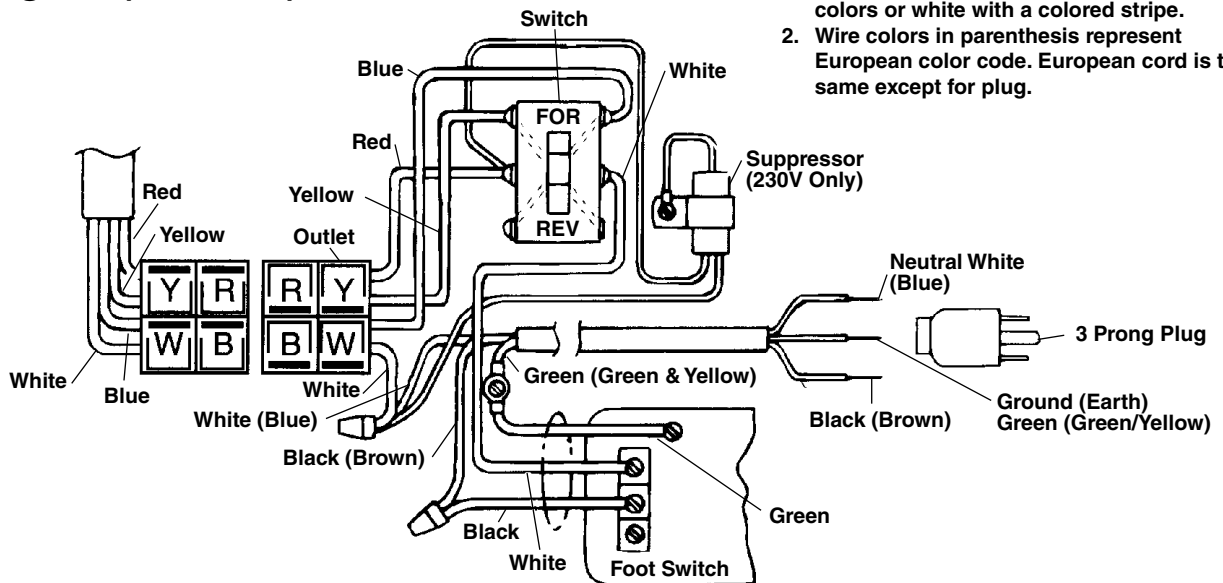
Electrical Components



NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

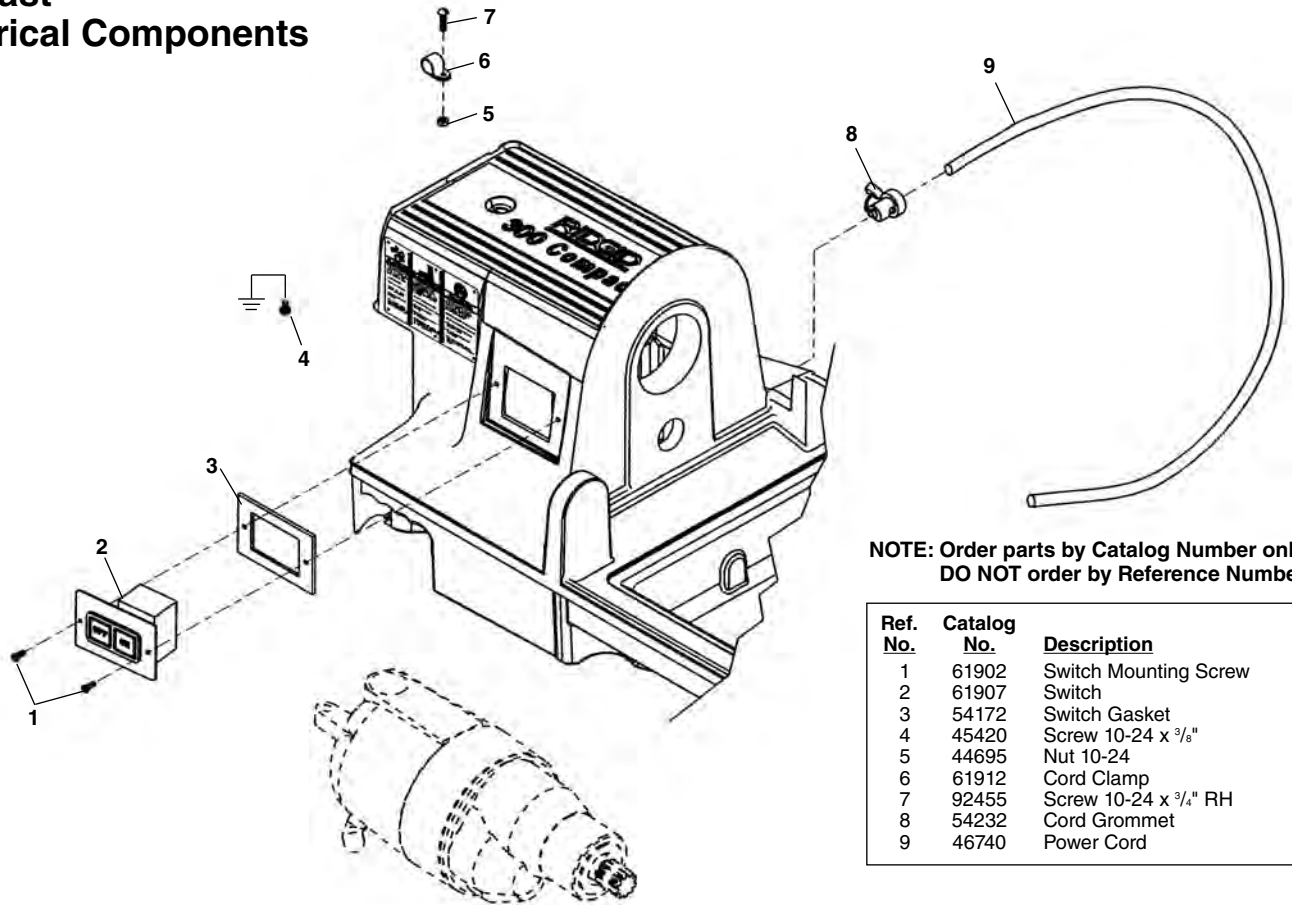
Ref. No.	Catalog No.	Description
1	44695	Hex Nut #10 - 24 (4)
2	46985	Ext. Tooth Washer #10 (4)
3	85925	Jumper Wire
4	92455	Screw #10 - 24 x 3/4"
5	46740	Power Cord w/Plug (115V)
	46410	Power Cord w/Plug (230V)
	75045	Power Cordless Plug (230V Europe/S. Africa)
6	46320	Suppressor Kit (230V Europe)
	99170	Suppressor (230V S. Africa)
7	50552	Plug
8	46735	Cord Grommet
	46730	Cord Grommet (230V Europe/S. Africa)
9	46735	Cord Grommet
10	50612	Switch Box
11	50617	Outlet Jumper Assembly
12	44505	Switch
13	36642	B-294 Foot Switch
14	45405	Screw
15	91187	Switch Box Kit (Includes Ref. Nos. 7-11)

Wiring Diagram (115/230V)



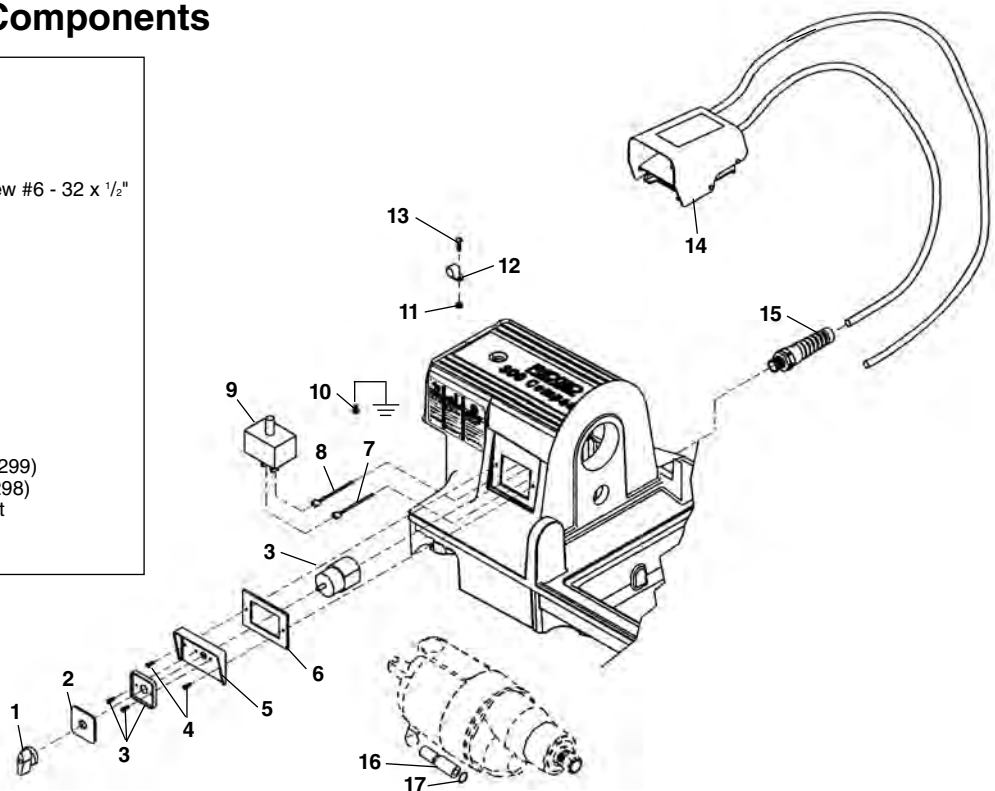
1. Brush and Armature Leads may be solid colors or white with a colored stripe.
2. Wire colors in parenthesis represent European color code. European cord is the same except for plug.

Far East Electrical Components



European Electrical Components

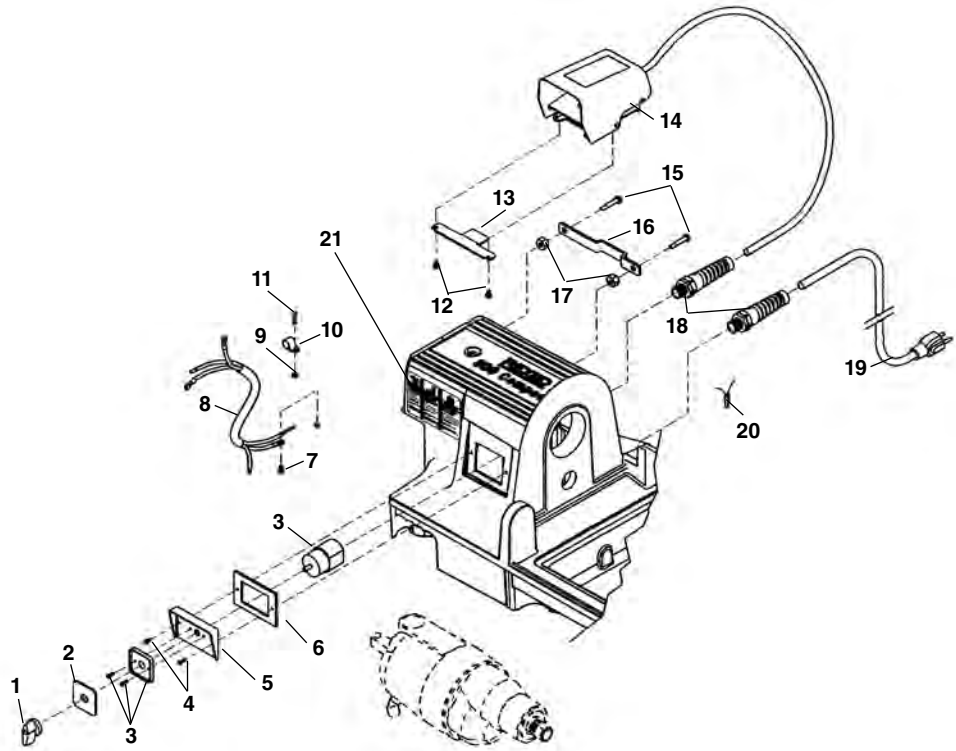
Ref. No.	Catalog No.	Description
1	61397	Switch Knob
2	54167	Switch Face Plate
3	54157	Switch & Screws
4	61902	Slotted Pan Head Screw #6 - 32 x 1/2"
5	61917	Switch Plate
6	54172	Switch Gasket
7	63387	Brown Wire
8	63392	Blue Wire
9	63372	Suppressor
—	63387	Brown Lead Wire
—	63392	Blue Lead Wire
10	45420	Screw 10-24 x 3/8"
11	44695	Nut 10-24
12	61912	Cord Clamp
13	92455	Screw 10-24 x 3/4" RH
14	36652	Foot Switch (B-296)
	40022	Foot Switch f/Aust. (B-299)
	40017	Foot Switch f/U.K. (B-298)
15	46730	Strain Relief w/Locknut
16	63377	Ferrite Bead
17	43552	Cable Tie



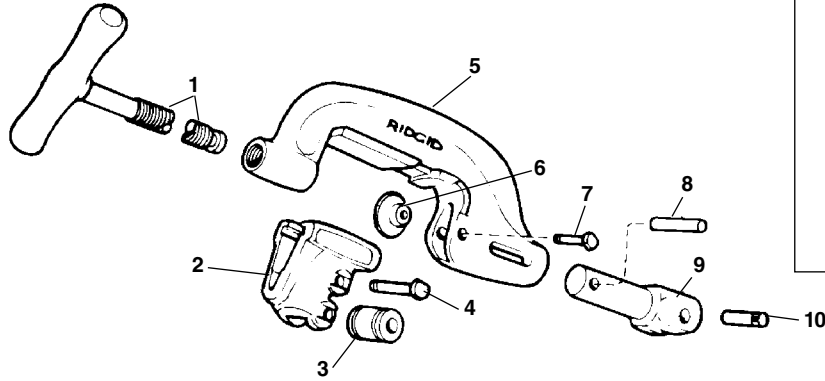
120V 60Hz Electrical

**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description
1	61397	Switch Knob
2	61967	Switch Face Plate
3	54157	Switch Assembly
4	54162	Screw (2)
5	61917	Switch Plate
6	54172	Gasket
7	45420	Screw #10 - 24 x 3/8"
8	30953	Connecting Cord
9	44695	Hex Nut #10 - 24
10	61912	Cord Retainer
11	92455	Screw #10 - 24 x 3/4"
12	54357	Screw 5/16" - 18 (2)
13	58602	Foot Switch Hook
14	36642	B-294 Foot Switch
15	54137	Screw (2)
16	58267	Foot Switch Hanger Bracket
17	96730	Hex Nut 5/16" - 18
18	72107	Strain Relief
19	46740	Power Cord
20	44635	End Splice Connector
21	78367	Warning Plate



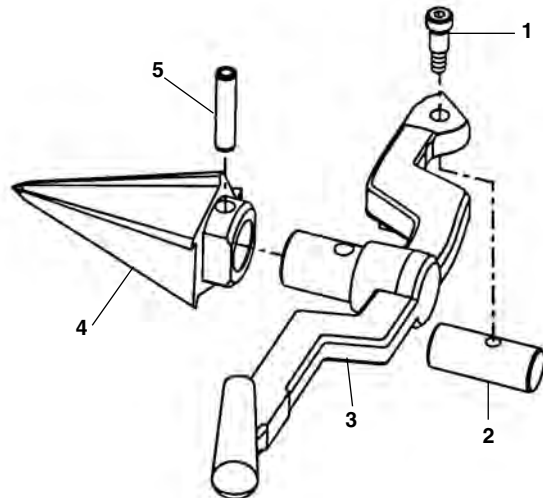
No. 360 Cutter



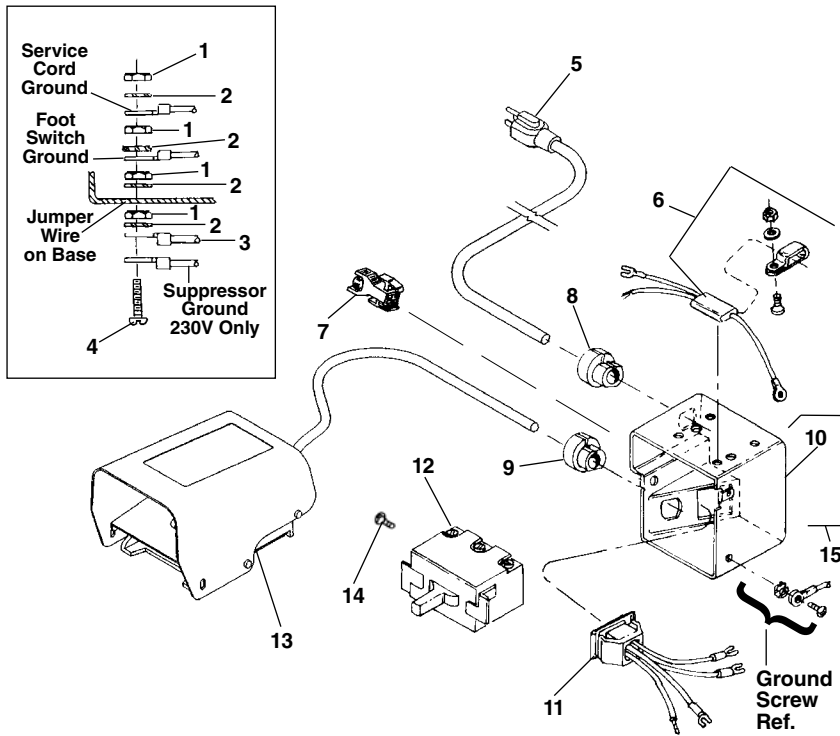
Ref. No.	Catalog No.	Description
—	42370	360 Cutter Complete
1	43625	D-1024-X Screw Handle
2	33400	C-878-X Roll Housing Assembly
3	34305	E-1751 Roll (2)
4	34310	E-1752 Roll Pin (2)
5	43595	C-877 Cutter Frame
6	33100	F-514 Cutter Wheel Thin
	33105	F-3 Cutter Wheel H.D.
	44185	E-1032 Cutter Wheel Std.
7	34780	F-9 Wheel Pin
8	45435	E-3549 Retaining Pin
9	45505	E-3759 Support Arm
10	45520	E-3819 Pin

No. 344 Reamer

Ref. No.	Catalog No.	Description
—	34612	344 Reamer Complete
1	36262	Shoulder Screw
2	36267	Pivot Pin
3	36272	Reamer Arm
4	36277	Reamer Cone
5	35355	Split Roll Pin



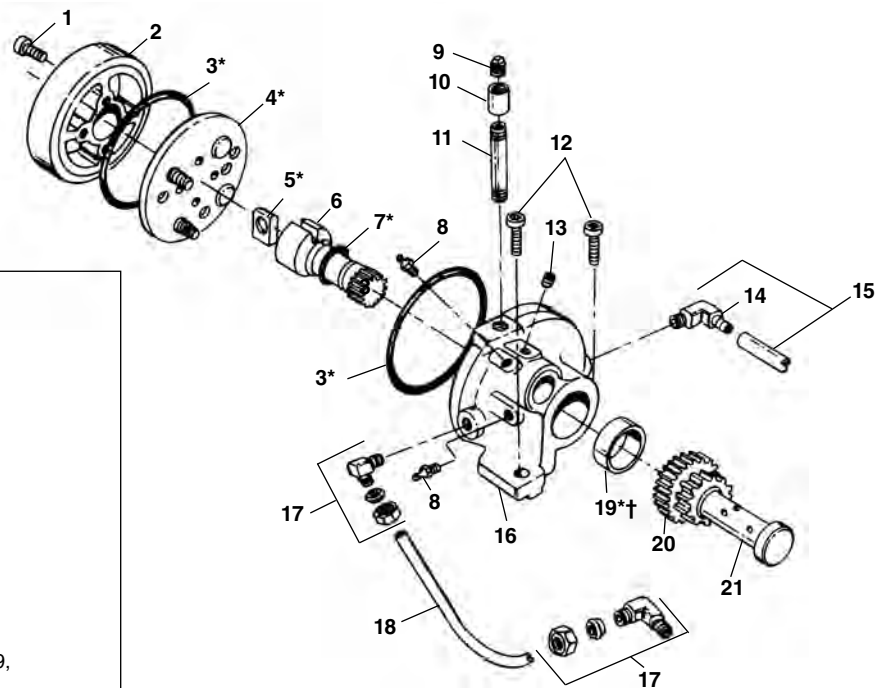
Electrical Components



NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	44695	Hex Nut #10 - 24 (4)
2	46985	Ext. Tooth Washer #10 (4)
3	85925	Jumper Wire
4	92455	Screw #10 - 24 x 3/4"
5	46740	Power Cord w/Plug (115V)
	46410	Power Cord w/Plug (230V)
	75045	Power Cordless Plug (230V Europe/S. Africa)
6	46320	Suppressor Kit (230V Europe)
	99170	Suppressor (230V S. Africa)
7	50552	Plug
8	46735	Cord Grommet
	46730	Cord Grommet (230V Europe/S. Africa)
9	46735	Cord Grommet
10	50612	Switch Box
11	50617	Outlet Jumper Assembly
12	44505	Switch
13	36642	B-294 Foot Switch
14	44180	Screw
15	91187	Switch Box Kit (Includes Ref. Nos. 7-11)

Model "A" Pump



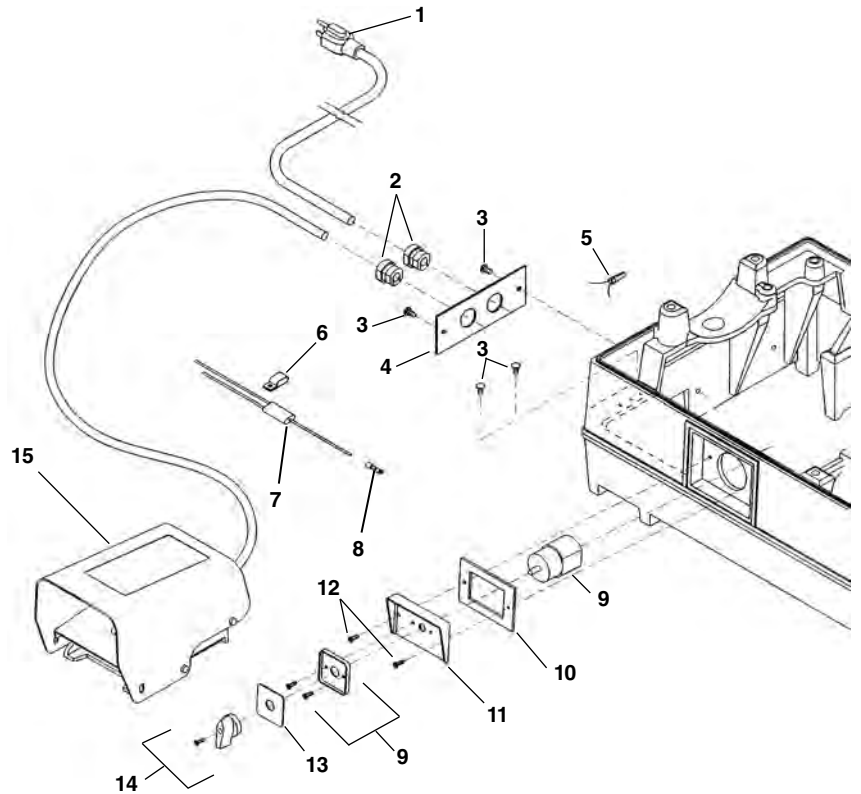
Ref. No.	Catalog No.	Description
1	46770	Screw #10-32 x 1" SHCS (4)
2	46350	Cover
3*	44650	O-Ring (2)
4*	46645	Valve Assembly
5*	47100	Rotor Blade
6	46355	Pinion Shaft
7*	44645	O-Ring
8	46860	Grease Fitting
9	46815	Pipe Plug
10	89725	Coupling
11	89730	Nipple
12	46750	Screw 3/8"-16 x 1" SHCS (2)
13	44455	Set Screw 5/16" x 3/8"
14	87945	90° Fitting
15	75065	Intake Line
16	43470	Pump Body (Incls. Ref. Nos. 3, 8, 16, 19, Roller Bearing)
17	46840	90° Fitting (2)
18	44105	Feed Line
19*†	46715	Oil Seal
20	44350	Idler Gear
21	44345	Gear Shaft
—	91055	Repair Kit (Includes items marked with *)

†Service Note: When replacing Oil Seal, open side should face towards outside of Pump Body. Use care in installing Seal so that lip is not damaged.

Electrical Components

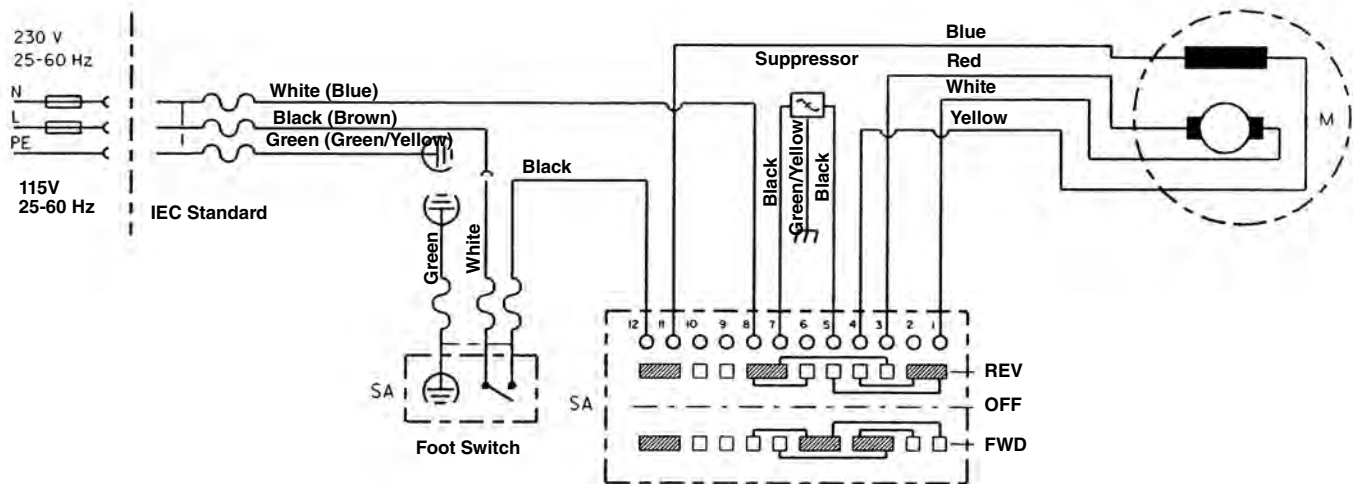
**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description
1	46740	Power Cord 115V
—	46410	Power Cord 230V
—	75045	Power Cord 230V Export
2	46735	Grommet (2)
3	45420	Screw (4)
4	62037	Cord Mounting Plate
5	44635	End Splice Connector
6	61962	Clamp (230V)
7	36502	Suppressor (230V)
8	54192	Connector (230V)
9	20138	Switch Assy. (Includes Ref. No. 14)
10	54172	Gasket
11	61917	Switch Plate
12	54162	Screw (2)
13	61967	Switch Face Plate
14	61397	Switch Knob
15	36642	B-294 Foot Switch Assembly

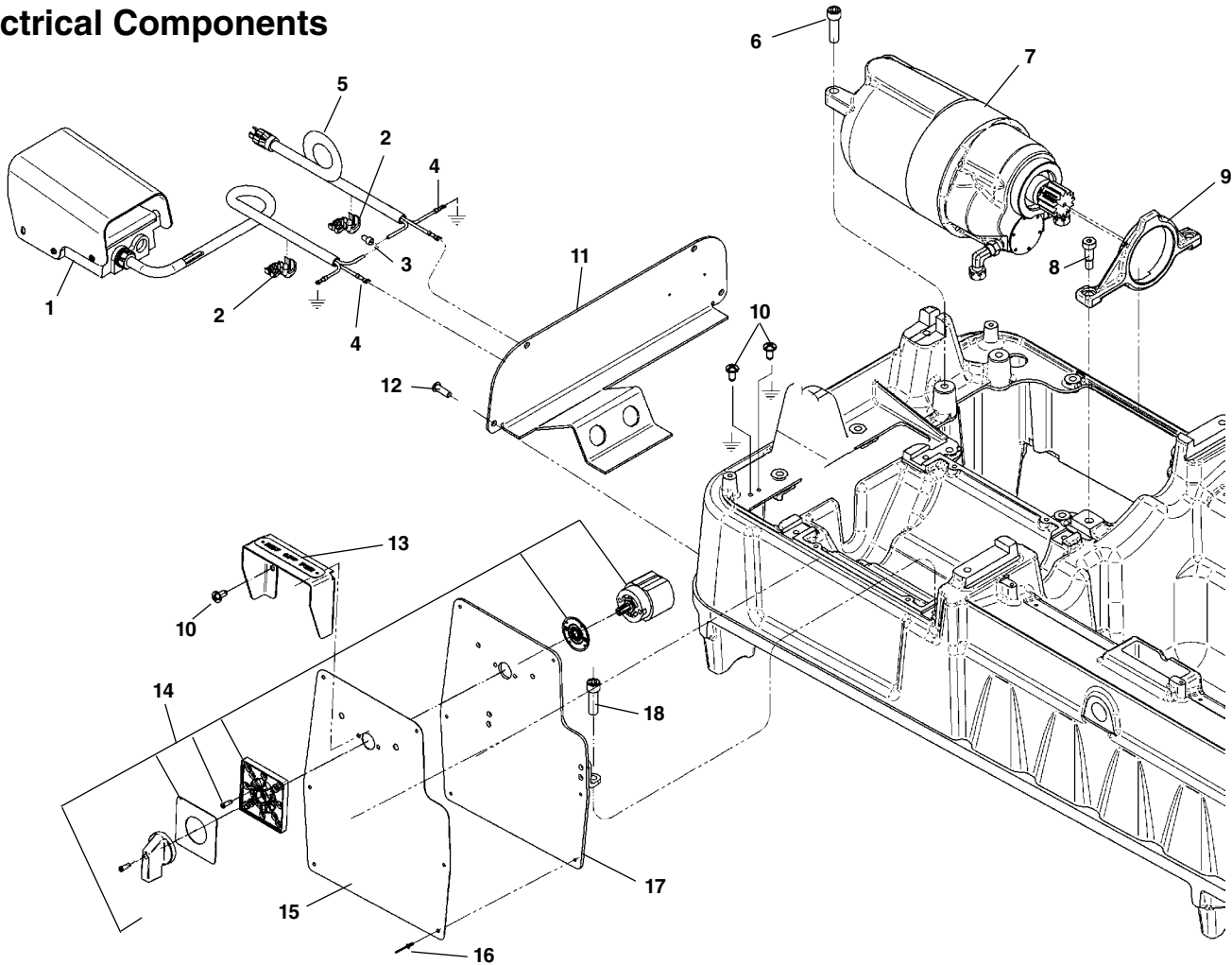


Wiring Diagram

**1194 Motor (115V)
2394 Motor (230V)
1194A Motor (115V)**



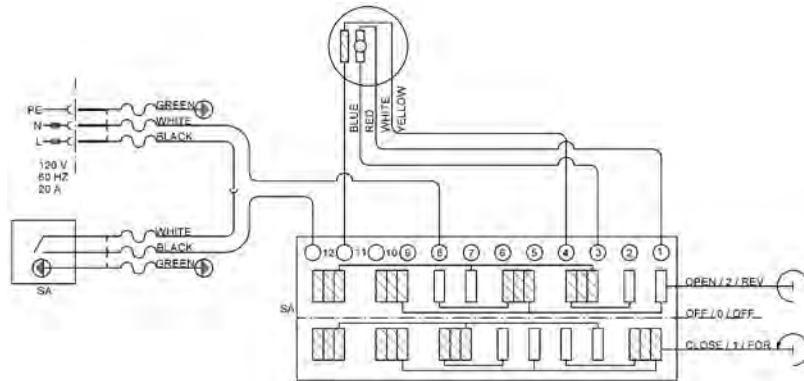
Electrical Components



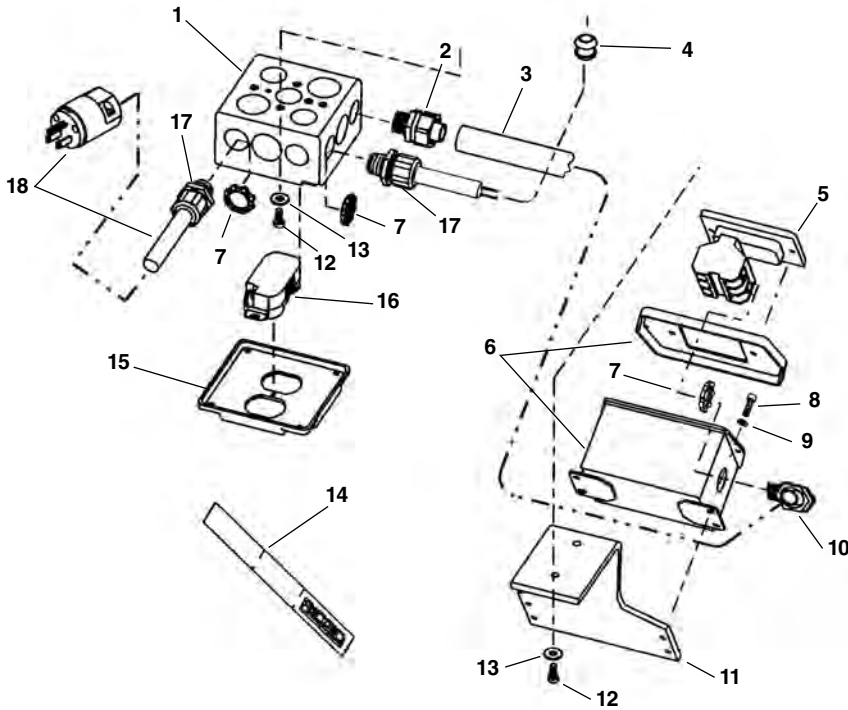
**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	36642	Foot Switch, B-294	11	51973	Back Cover
2	75952	Strain Relief (2)	12	94337	Screw, Button Head 1/4" x 20 x 3/8" B.H.C.S. (4)
3	44635	End Splice	13	96452	Switch Cover
4	46875	Spade Terminal (2)	14	20123	Switch Assembly
5	46740	Power Cord 115V	15	96472	Warning Label
6	46745	Screw (2)	16	94427	Pop Rivet (6)
7	96442	Motor	17	96457	Control Panel
8	36262	Shoulder Bolt (2)	18	40910	Screw
9	96402	Motor Bracket			
10	45420	Screw (4)			

Wiring Diagram



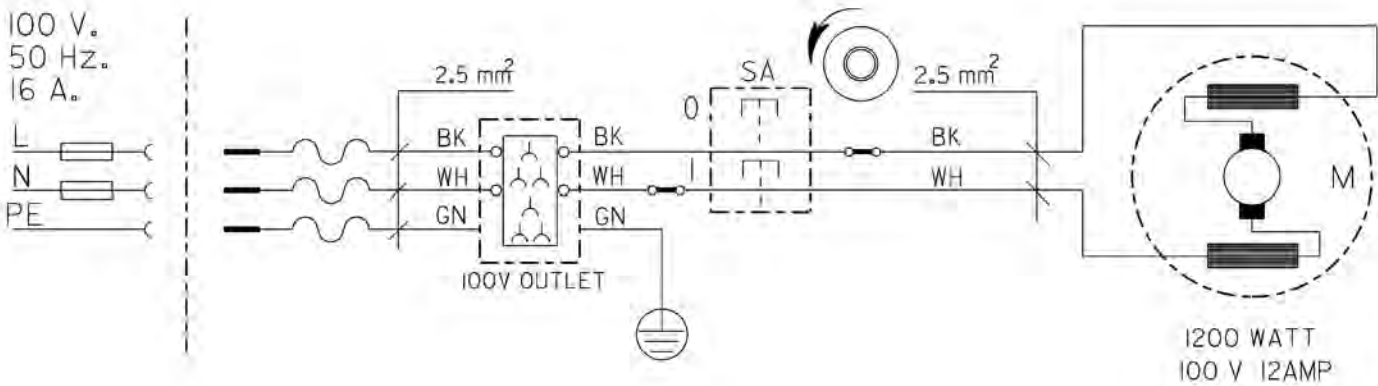
Electrical, 100V



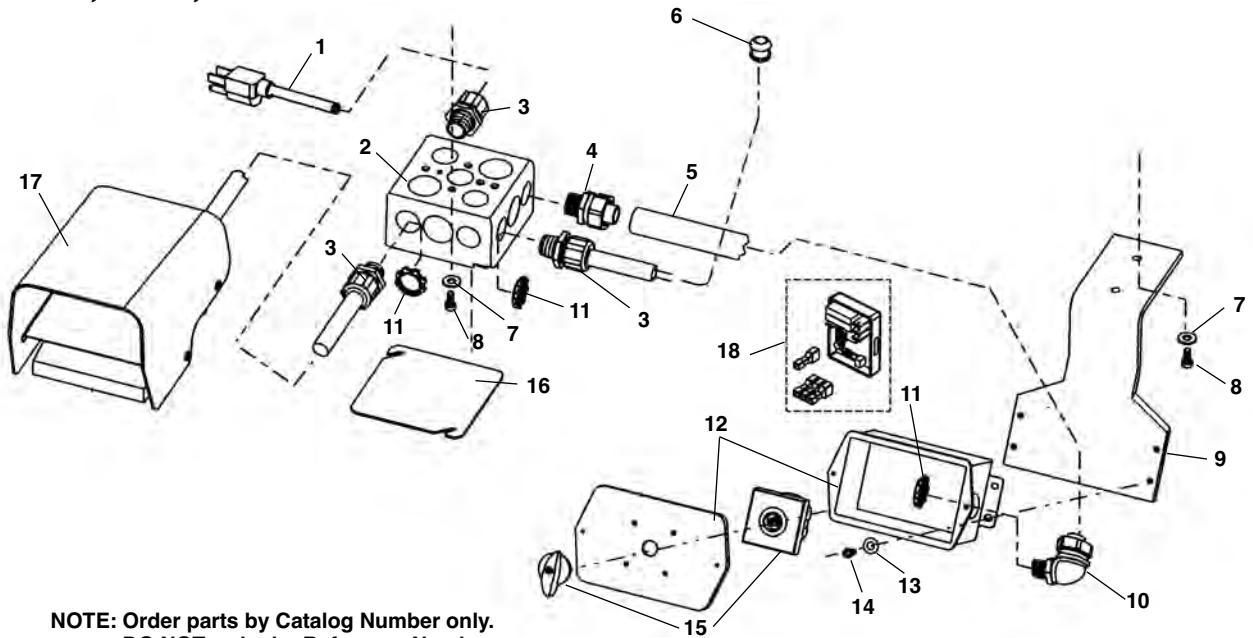
**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description
1	65587	Junction Box
2	65607	Conduit Fitting, 1/2" Straight
3	65612	Flexible Conduit, 1/2"
4	65112	Rubber Grommet
5	54227	Switch, Push Button
6	65637	Switch Box w/Cover
7	65642	Locknut, 1/2" NPT (4)
8	45750	Screw #10 - 24 x 3/8" S.H.C.S (4)
9	45365	Flat Washer, #10 (2)
10	65647	Fitting, 90 Deg, 1/2"
11	61337	Switch Bracket
12	60005	Hex Screw, 1/4" - 20 x 3/4" (2)
13	44740	Lock Washer 1/4" (2)
14	65582	Lanyard
15	65597	Junction Box Cover
16	65592	Outlet
17	65602	Strain Relief (2)
18	46740	Power Cord w/Plug

Wiring Diagram



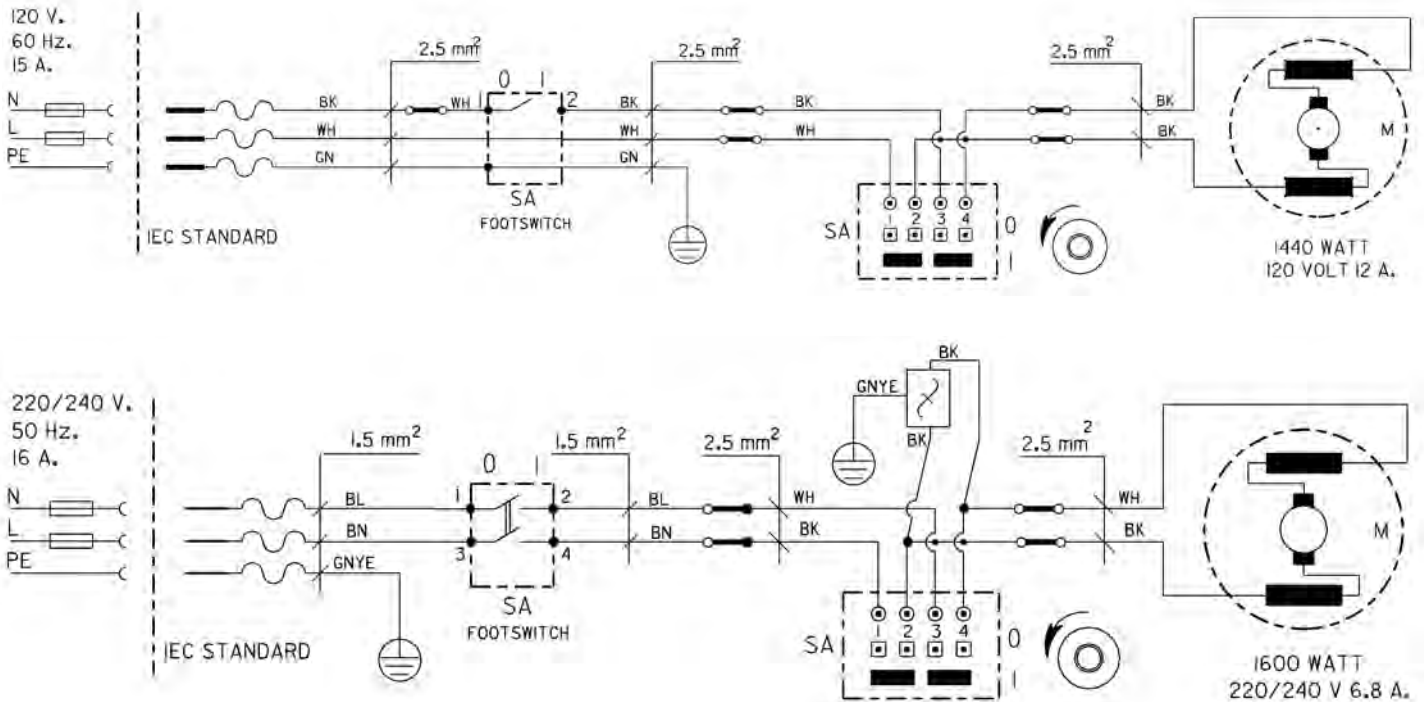
Electrical, 115V, 230V



NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	46740	Power Cord w/Plug	11	65642	Locknut, 1/2" NPT (5)
2	65587	Junction Box	12	65962	Switch Box w/Cover
3	65602	Strain Relief (3)	13	45365	Flat Washer, #10 (4)
4	65607	Conduit Fitting, 1/2" Straight	14	45750	Screw #10 - 24 x 3/8" S.H.C.S. (4)
5	65612	Flexible Conduit, 1/2"	15	20108	Switch w/Knob
6	65112	Rubber Grommet	16	65977	Junction Box Cover
7	44740	Lock Washer 1/4" (4)	17	36642	Foot Switch, B-294, 115V Model
8	60005	Hex Screw, 1/4" - 20 x 3/4" (4)	18	40017	Foot Switch, B-298, 230V Model
9	61337	Switch Bracket		39318	Soft Start Assembly (230V)
10	65647	Fitting, 90 Deg. 1/2"			

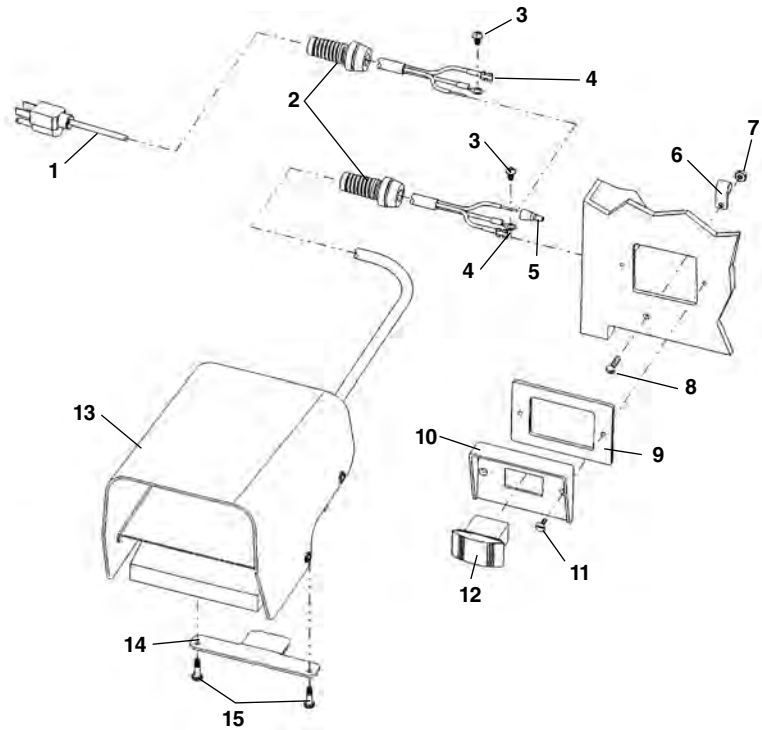
Wiring Diagram



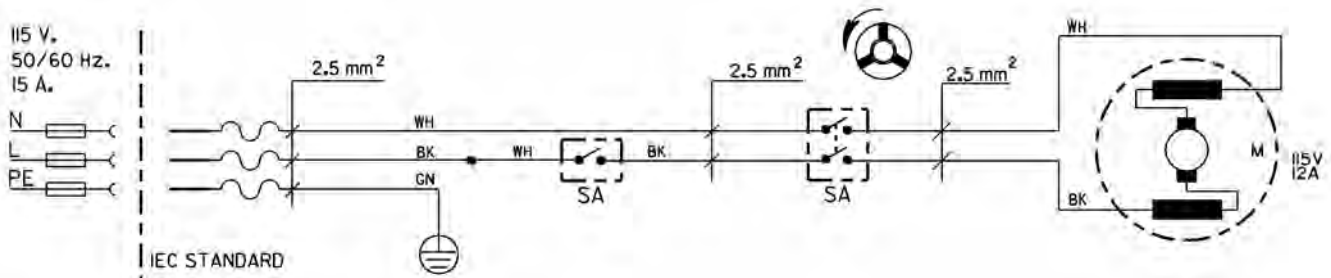
Electrical Components – 115V/60Hz

**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description
1	46740	Power Cord
2	29788	Strain Relief (2)
3	45420	Ground Screw (2)
4	58587	Quick Disconnect (2)
5	44635	Wire Nut
6	54222	Cable Clamp (2)
7	44695	Hex Nut #10-24
8	92455	Screw #10-24 x 3/4" Round Head
9	54172	Switch Gasket
10	74412	Switch Plate
11	54162	Screw 6-32 x 2" Flat Head (2)
12	58597	Switch
13	36642	B-294 Foot Switch
14	58602	Foot Switch Hanger Bracket
15	54357	Screw

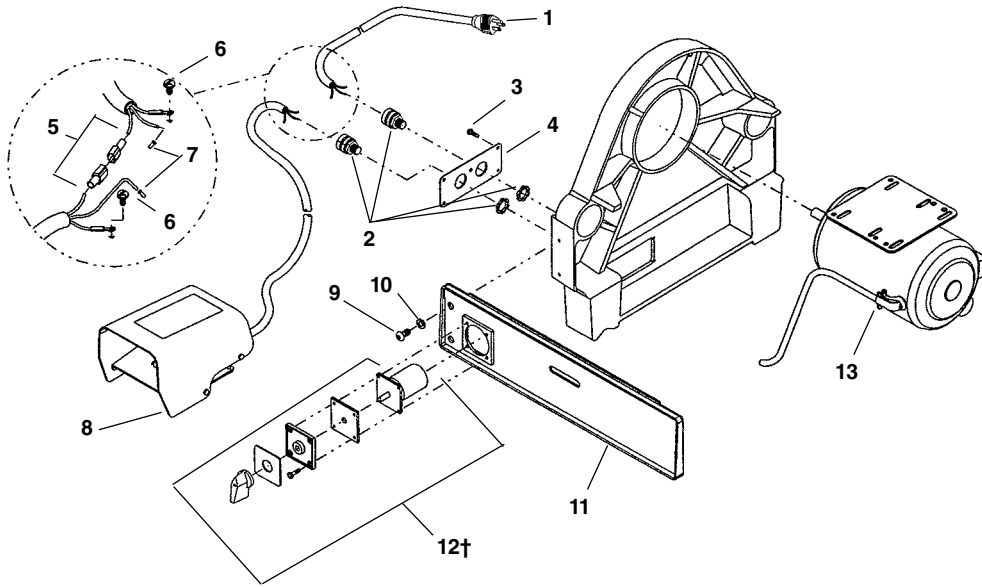


Wiring Diagram – 115V



60 Hz Electrical Components

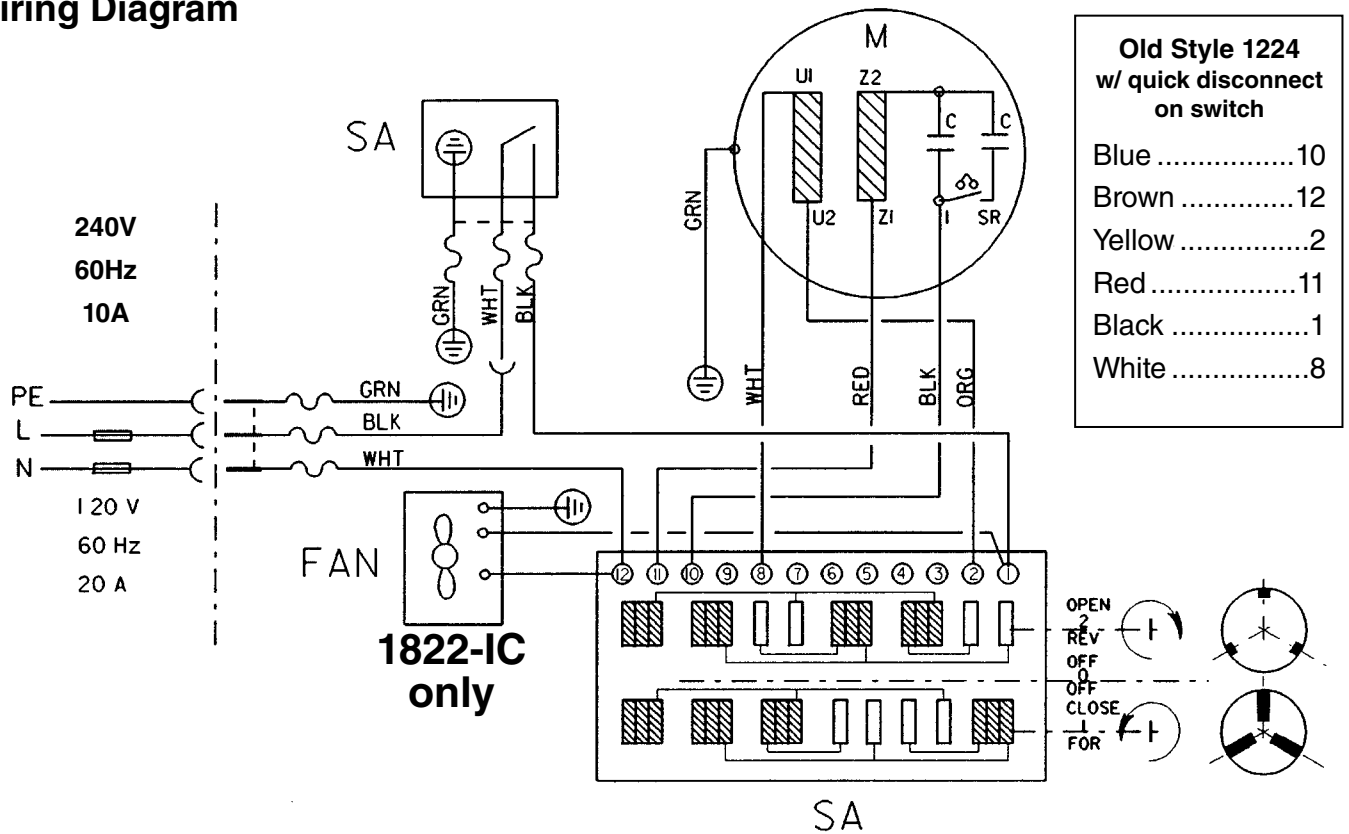
NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.



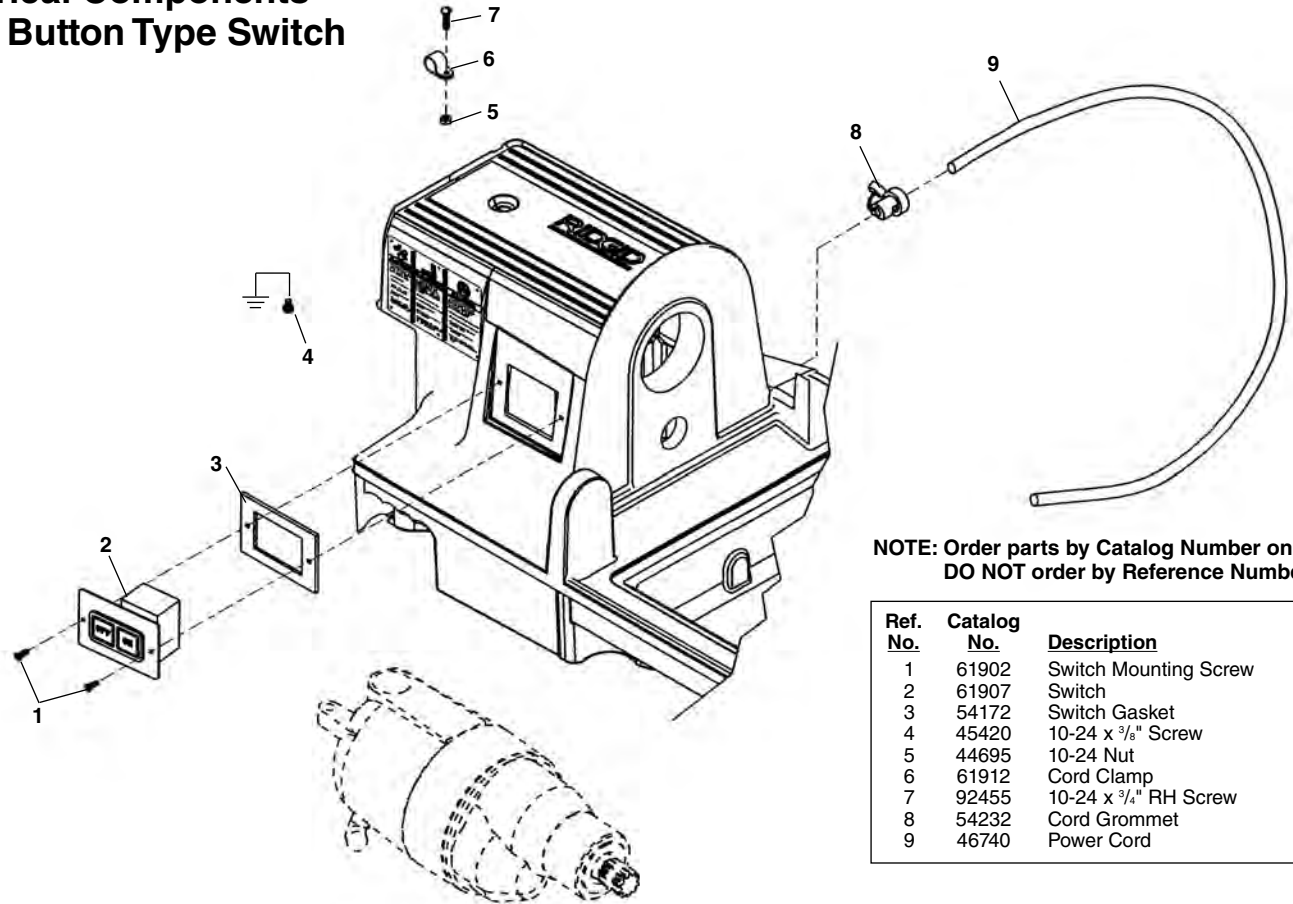
Ref. No.	Catalog No.	Description
1	46740	Power Cord
	46410	Power Cord
2	75977	Strain Relief (2)
3	41597	Self Tapping Screw (4)
4	27162	Strain Relief Bracket
5	56407	Quick Disconnect Set
6	45420	Ground Screw
7	36222	Wire Terminal
8	36642	B-294 Foot Switch
9	26997	Screw 3/8" - 16 x 3/4" (8)
10	40930	Lock Washer 3/8" (8)
11	59722	Front Side Plate
12†	20113	Switch Assembly
13	26237	Motor 120V 60 Hz
	26232	Motor 240V 60 Hz

† Ref. No. 12 – When replacing early style switches, which have a black body, order Catalog No. 59742 Switch Adapter Plate

1224 & 1822-I Replacement Switch Wiring Diagram



Electrical Components Push Button Type Switch

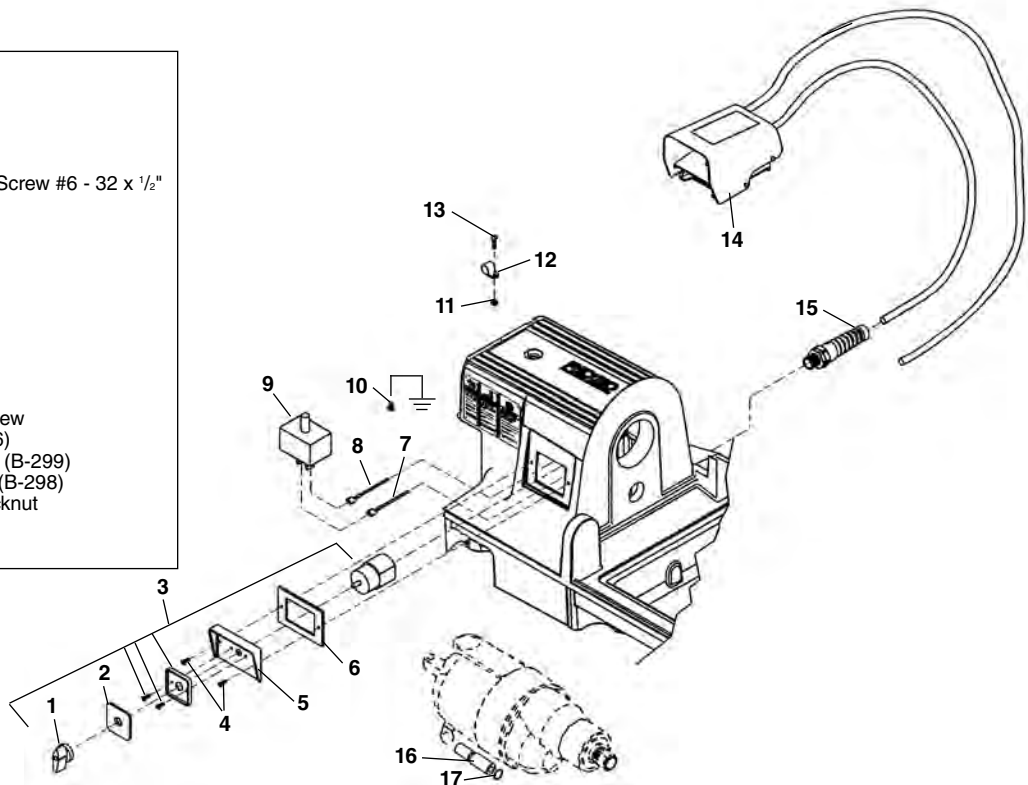


**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

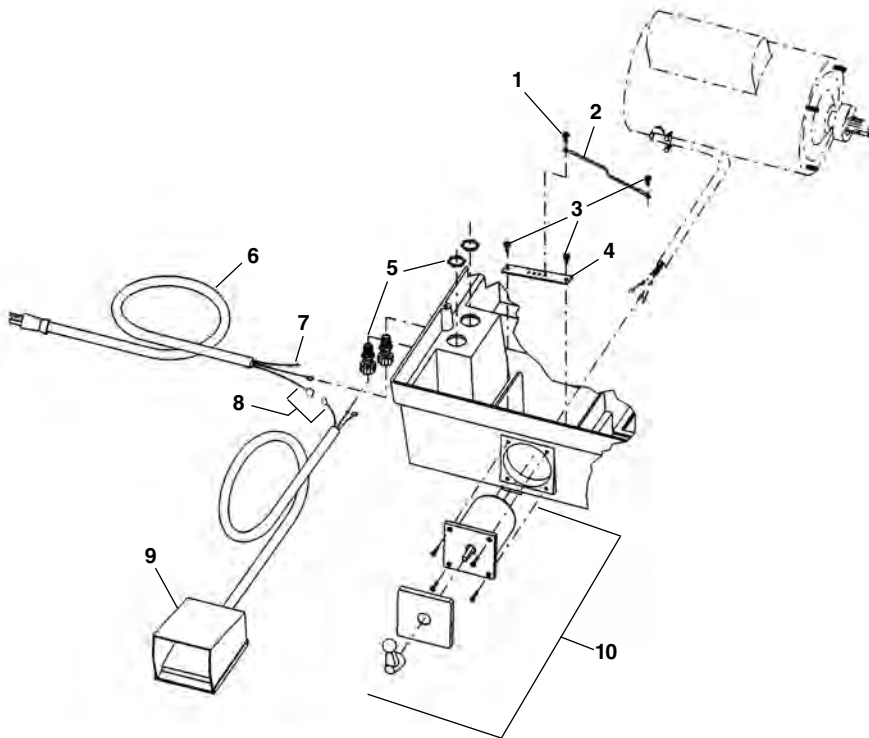
Ref. No.	Catalog No.	Description
1	61902	Switch Mounting Screw
2	61907	Switch
3	54172	Switch Gasket
4	45420	10-24 x 3/8" Screw
5	44695	10-24 Nut
6	61912	Cord Clamp
7	92455	10-24 x 3/4" RH Screw
8	54232	Cord Grommet
9	46740	Power Cord

Lever Type Switch

Ref. No.	Catalog No.	Description
1	61397	Switch Knob
2	61967	Switch Face Plate
3	54157	Switch & Screws
4	61902	Slotted Pan Head Screw #6 - 32 x 1/2"
5	61917	Switch Plate
6	54172	Switch Gasket
7	63387	Brown Wire
8	63392	Blue Wire
9	63372	Suppressor
—	63387	Brown Lead Wire
—	63392	Blue Lead Wire
10	45420	10-24 x 3/8" Screw
11	44695	10-24 Nut
12	61912	Cord Clamp
13	92455	10-24 x 3/4" RH Screw
14	36652	Foot Switch (B-296)
	40022	Foot Switch f/Aust. (B-299)
	40017	Foot Switch f/U.K. (B-298)
15	54177	Strain Relief w/Locknut
16	63377	Ferrite Bead
17	43552	Cable Tie



60 Hz Electrical Components



NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	34715	Screw 10-32 x 3/8" (3)
2	33607	Ground Wire
3	45420	Screw 10-24 (4)
4	59732	Ground Strap
5	68885	Strain Relief (2)
6	46740	Power Cord 120V
	46410	Power Cord 240V
7	36222	Wire Terminal
8	56407	Quick Disconnect Set
9	36642	B-294 Foot Switch
10	20133	Switch Assembly

1224 & 1822-I Replacement Switch Wiring Diagram

