RIDGID

Drain Cleaning and Diagnostic Equipment

Parts Catalog

May 2019

Ridge Tool Company, 400 Clark St., Elyria, Ohio 44035-6001 U.S.A.

All the Product Parts Lists in the catalog are listed under a subhead and in numerical sequence by Product Model Number.

RIDGID Pipe and Drain Cleaning Equipment

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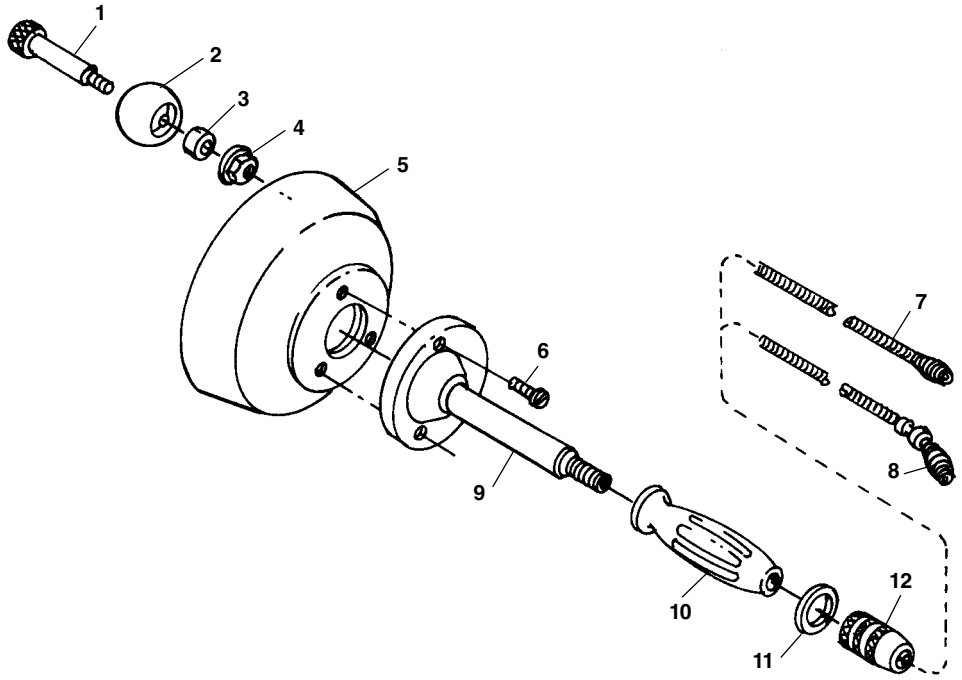
For additional information contact the Ridge Tool Technical Service Department at 1-800-519-3456

See Machine & Power Drive Parts Catalog for Threading and Power Drive Equipment Parts

K-25 Hand Spinner

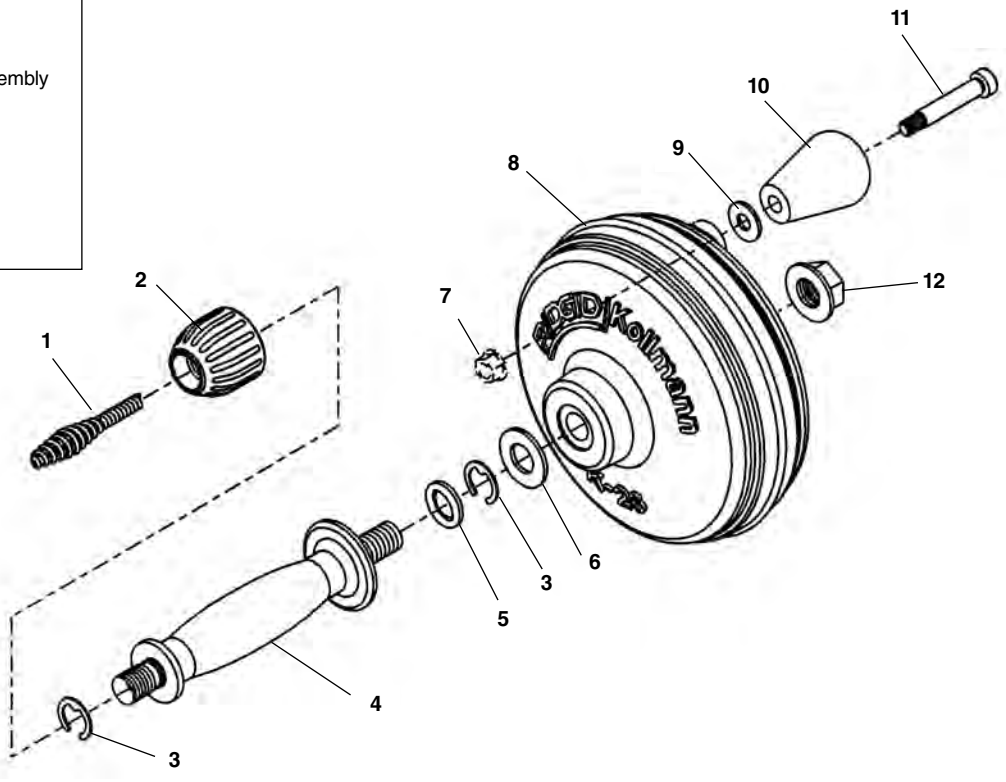


NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	58890	K-25 - BP w/C-1-IC
—	58895	K-25 - DH w/C-2-IC
1	50632	Shoulder Screw
2	61745	Knob
3	50642	Spacer
4	27517	Lock Nut
5	50637	Cable Container Assembly (Includes Ref. 1,2,3,4,6)
6	61540	Screw
7	56782	C-1 - IC
8	56787	C-2 - IC
9	60735	Guide Tube & Flange
10	76765	Handle Grip
11	31933	Retaining Ring
12	60720	Chuck

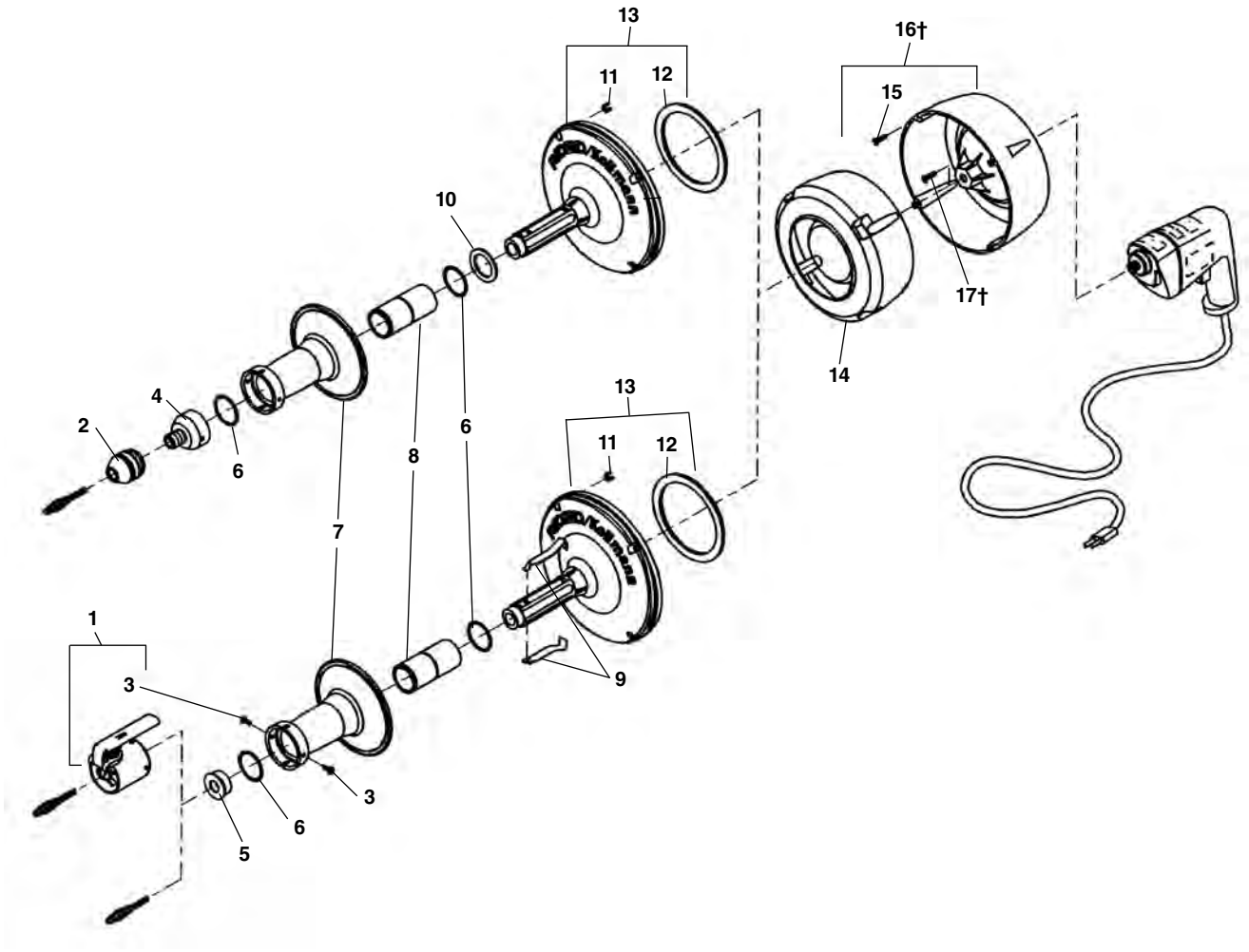
K-26 Hand Spinner

Ref. No.	Catalog No.	Description
—	59812	K-26 Hand Spinner
1	62225	C-1
2	60777	Chuck Assembly
3	42580	Retaining Ring (2)
4	60782	Guide Tube Handle Assembly
5	84460	Thrust Washer
6	80205	Thrust Washer
7	27517	Lock Nut
8	60787	Cable Container
9	60060	Washer
10	60792	Knob
11	60797	$^{3}/_{8}$" x $1^{3}/_{4}$" Shoulder Bolt
12	61447	$^{5}/_{8}$" - 18 Hex Jam Nut



Replacement Parts for One Piece Flat Steel Sewer Tapes

Catalog No.	Model No.	Width	Thickness	Length	89750 Ball	89755 Ball	89760 Ball	89765 Handle	89770 Spear	89775 Spear
62530	E-2724	1/2"	1/16"	25'	•			•	•	
62535	E-2725	1/2"	1/16"	50'	•			•	•	
62540	E-2726	1/2"	1/16"	75'	•			•	•	
62545	E-2727	1/2"	1/16"	100'	•			•	•	
62550	E-2728	3/4"	1/16"	25'		•		•	•	
62555	E-2729	3/4"	1/16"	50'		•		•	•	
62560	E-2730	3/4"	1/16"	75'		•		•	•	
62565	E-2731	3/4"	1/16"	100'		•		•	•	
62570	E-2732	5/8"	3/32"	25'		•		•	•	
62575	E-2733	5/8"	3/32"	50'		•		•	•	
62580	E-2734	5/8"	3/32"	75'		•		•	•	
62585	E-2735	5/8"	3/32"	100'		•		•	•	
62590	E-2736	3/4"	1/8"	25'		•		•	•	
62595	E-2737	3/4"	1/8"	50'		•		•	•	
62600	E-2738	3/4"	1/8"	75'		•		•	•	
62605	E-2739	3/4"	1/8"	100'		•		•	•	
62610	E-2740	1"	1/8"	25'			•	•		•
62615	E-2741	1"	1/8"	50'			•	•		•
62620	E-2742	1"	1/8"	75'			•	•		•
62625	E-2743	1"	1/8"	100'			•	•		•
62630	E-2744	1 1/4"	1/8"	25'			•	•		•
62635	E-2745	1 1/4"	1/8"	50'			•	•		•
62640	E-2746	1 1/4"	1/8"	75'			•	•		•
62645	E-2747	1 1/4"	1/8"	100'			•	•		•

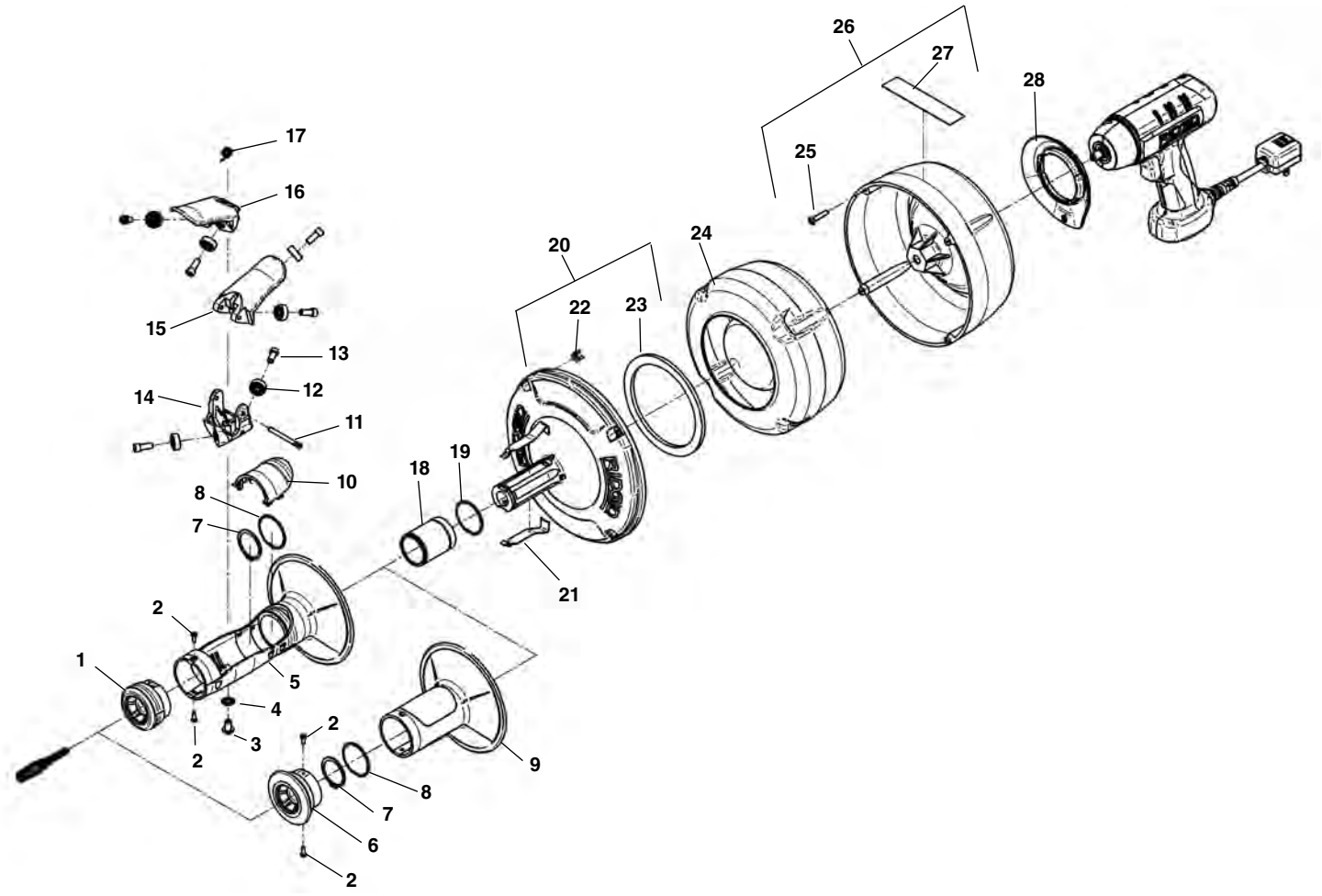


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	67962	A-39 AUTOFEED®
2	55247	Cable Chuck
3	68937	Pan Head Screw #10 - 24 (4)
4	55257	Chuck Adapter
5	68957	Nose Piece
6	41512	Spiral Ring (2)
7	41517	Hand Grip
8	68922	Sleeve
9	68947	Clamp Springs (2)
10	55252	Spacer
11	68942	Clips (4)
12	47252	Gasket
13	68927	Drum Front
14	68917	Drum Liner
15	69542	Screw #10 - 32 x 1" (4)
16†	68932	Drum Back
17†	76775	Screw, K-39, K-39B 7.2V (*LH Thread)

† See Service Notes

New AUTOFEED® Style



NOTE: Order parts by Catalog Number only.
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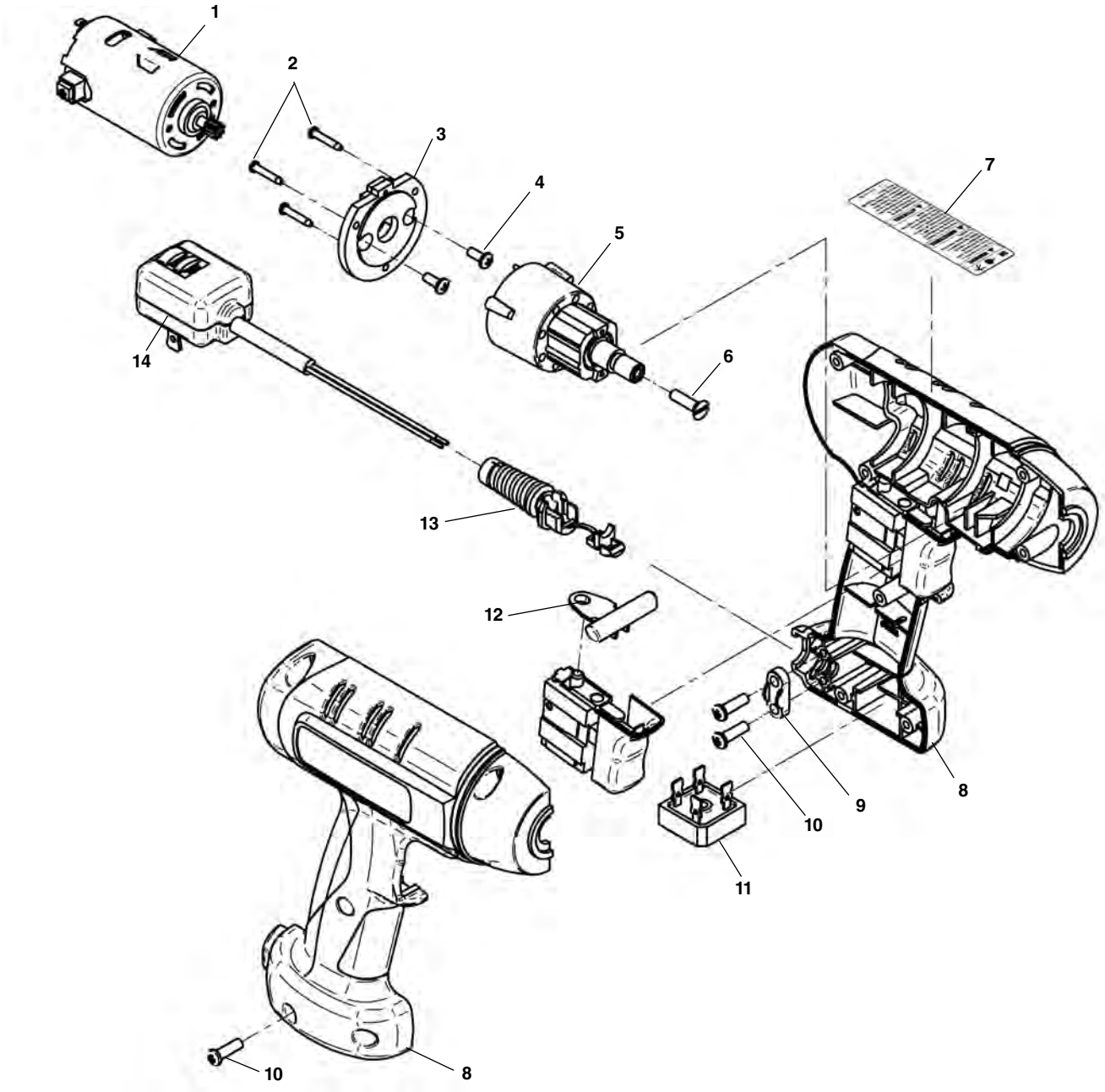
Ref. No.	Catalog No.	Description
1	24163	Nose Piece, Auto
2	24168	Screw
3	24178	Button Screw $^{5}/_{16}$"-18
4	92255	Lock Washer
5	24183	Hand Grip, Auto
6	24188	Nose Piece, Manual
7	24193	Retaining Ring
8	41512	Spiral Ring
9	24198	Hand Grip, Manual
10	24203	Top Grip Cap
11	24208	Pivot Pin
12	67997	Roller Bearing
13	39830	Socket HD Cap Screw
14	24213	Auto Feed Carriage
15	24218	Reverse Lever
16	24223	Forward Lever
17	24228	Torsion Spring
18	24233	Sleeve
19	41512	Spiral Ring
20	24238	Drum Front
21	24243	Clamp Spring
22	68942	Clips
23	47252	Gasket
24	68917	Drum Liner
25	69542	Screw #10-32 X 1"
26	68932	Drum Back
27	24248	Caution Label
28	24253	Trigger Guard

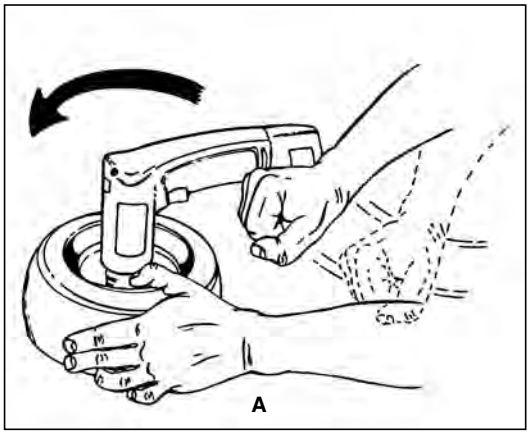


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	24078	Motor 115V
2	24083	Screws
3	24088	Adapter
4	17106	Screw, M4 x 10
5	24093	Gearbox
6	19128	Screw, LH M5
7	24098	Warning Label
8	24103	Housing Set
9	24108	Cord Clamp
10	24113	Screw, #8 x .62
11	21758	Rectifier
12	24123	Reversing Lever
13	21768	Stain Relief
14	36478	Linecord 115V

Service Notes

Service Notes
Remove left hand screw (Ref. 15) before removing power unit from drum back. Either method can be used.


A

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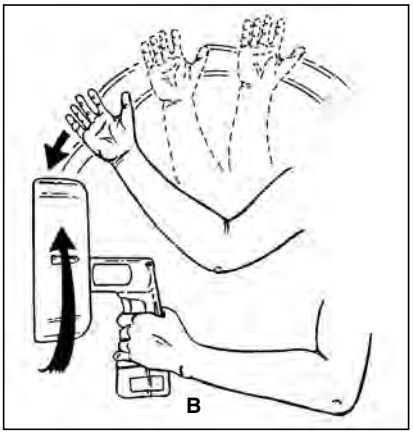
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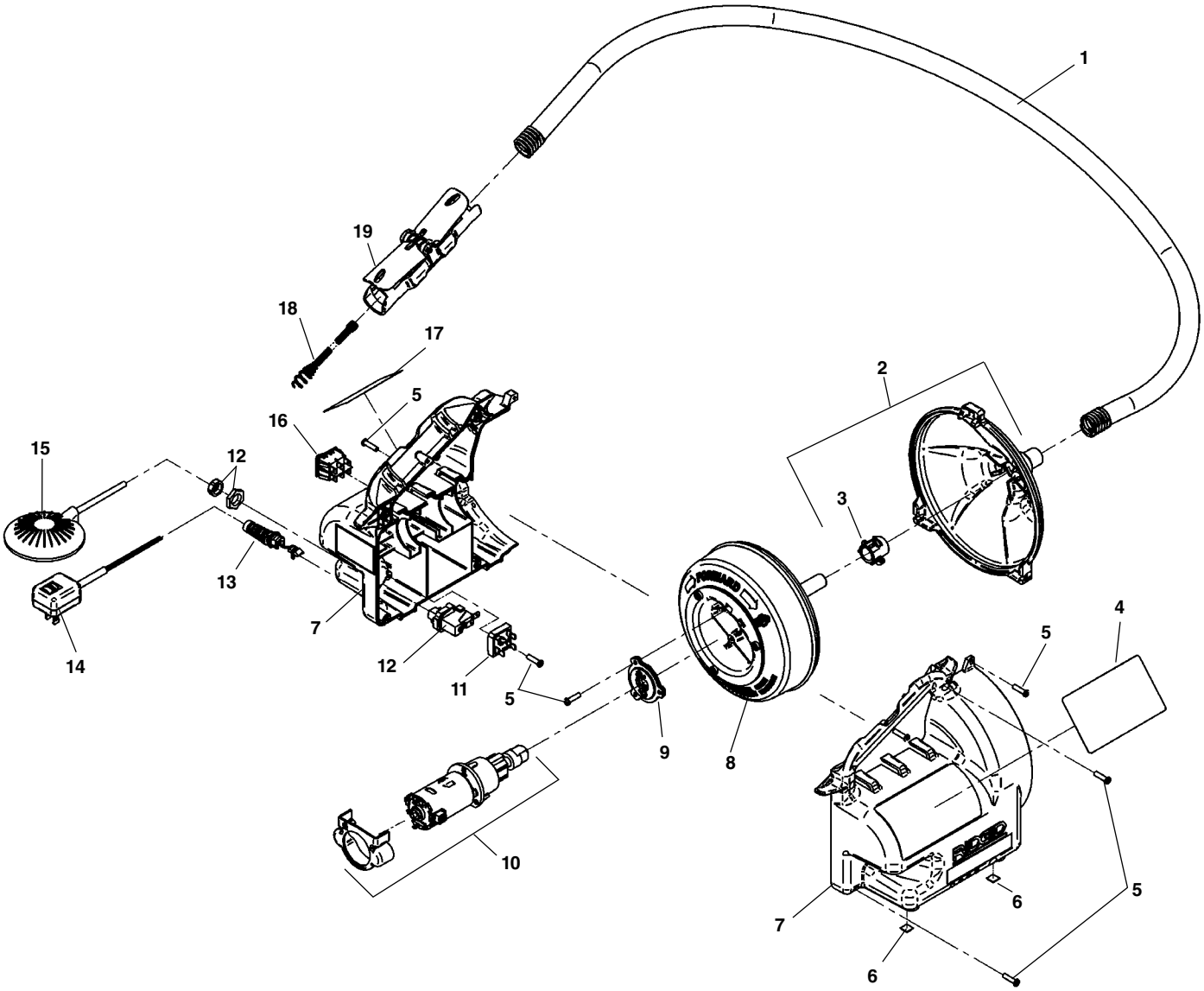
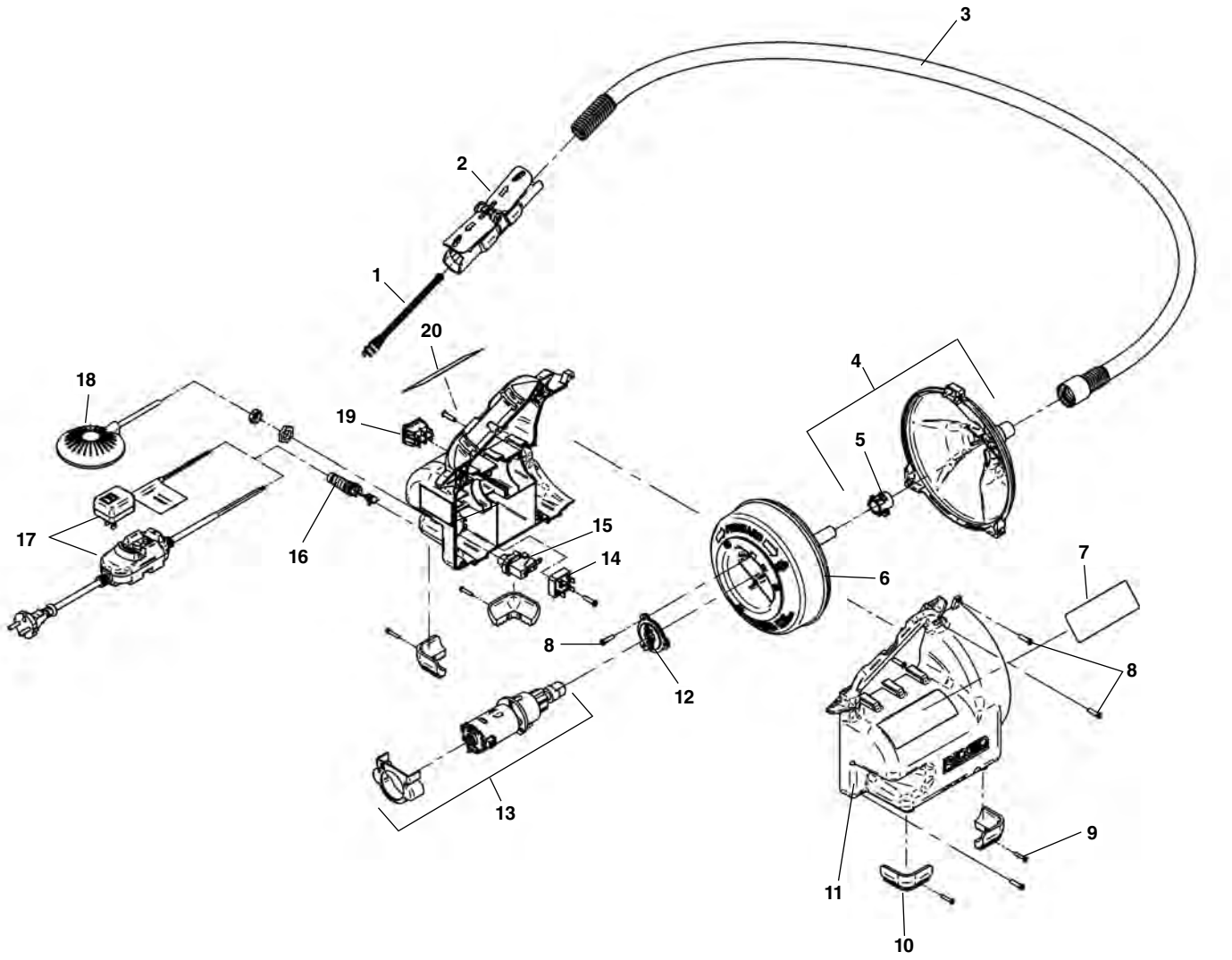


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

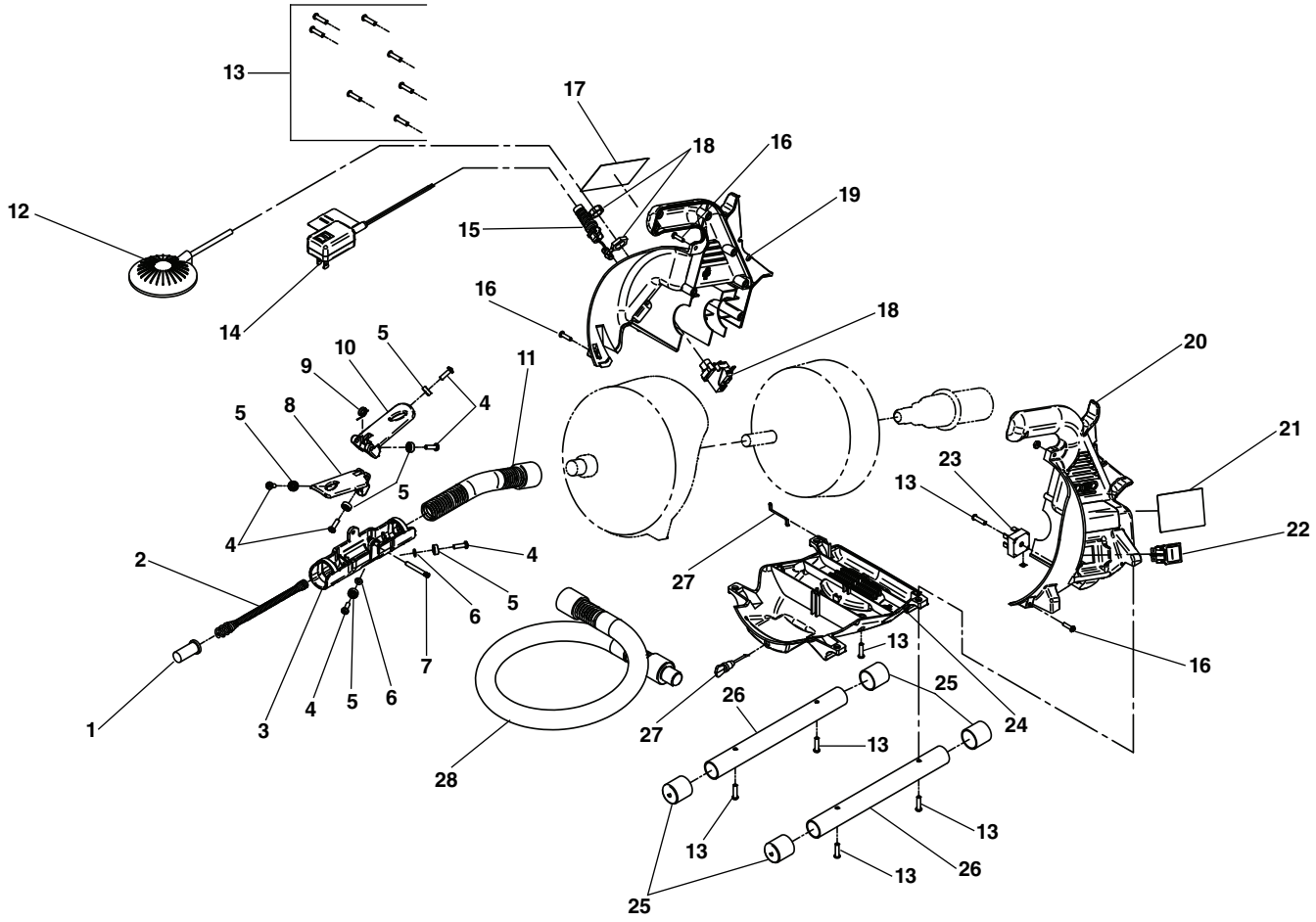
Ref. No.	Catalog No.	Description
1	21713	Guide Hose
2	21718	Front Housing
3	21808	Bushing
4	21723	Warning Label
5	21728	Pk of 5 Screws
6	21733	Pk of 4 Rubber Foot
7	21738	Machine Housing
8	21753	Drum Assembly
9	21748	Clutch Assembly
10	21743	Motor Assembly
11	21758	Recitifier
12	21763	Air Switch Assembly
13	21768	Strain Relief
14	21773	Power Cord
15	21783	Footbulb
16	21778	Switch
17	21788	ON/OFF Label
18	21338	Cable, 1/4" - 30' IC
19	21793	AUTOFEED® Assembly
Not Shown		
–	41018	Inner Drum

K-30



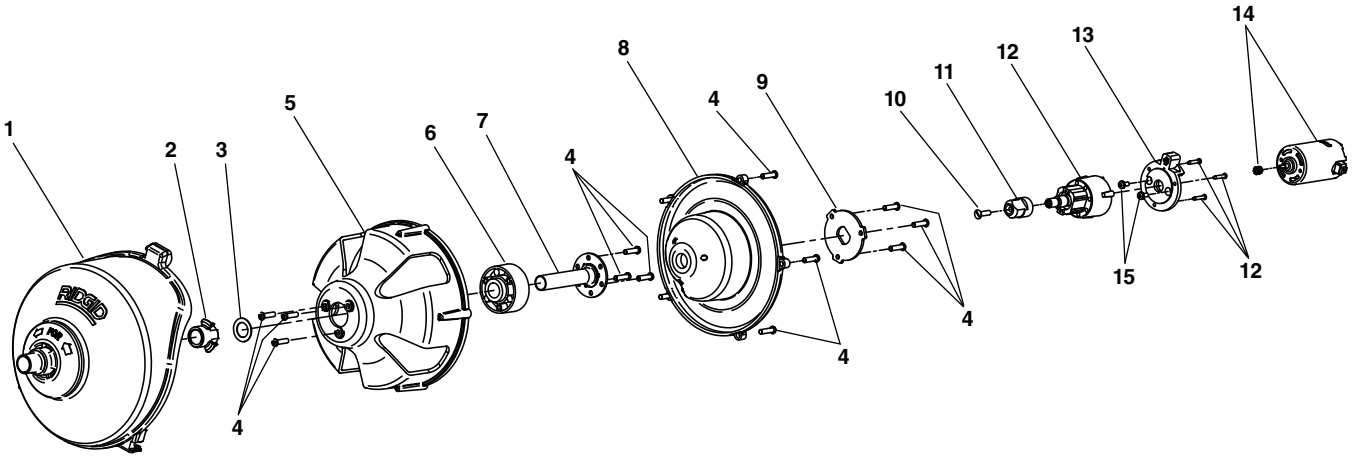
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	34893	1/4" - 30' Cable
2	21793	AUTOFEED® Assembly
3	21713	Guide Hose
4	21718	Front Housing
5	21808	Bushing
6	21753	Drum Assembly
7	21723	Warning Label
8	21728	Screws, #8 x .75
9	35293	Screws, #8 x .75
10	35298	Rubber Feet (4)
11	21738	Machine Housing
12	21748	Clutch Assembly
13	21743	Motor Assembly 115V
	35303	Motor Assembly 220V
14	21758	Recitifier
15	21763	Air Switch
16	21768	Strain Relief
17	21773	Power Cord 115V
	35308	Power Cord 220V
18	21783	Footbulb
19	21778	Switch
20	21788	ON/OFF Label
Not Shown		
–	41018	Inner Drum



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

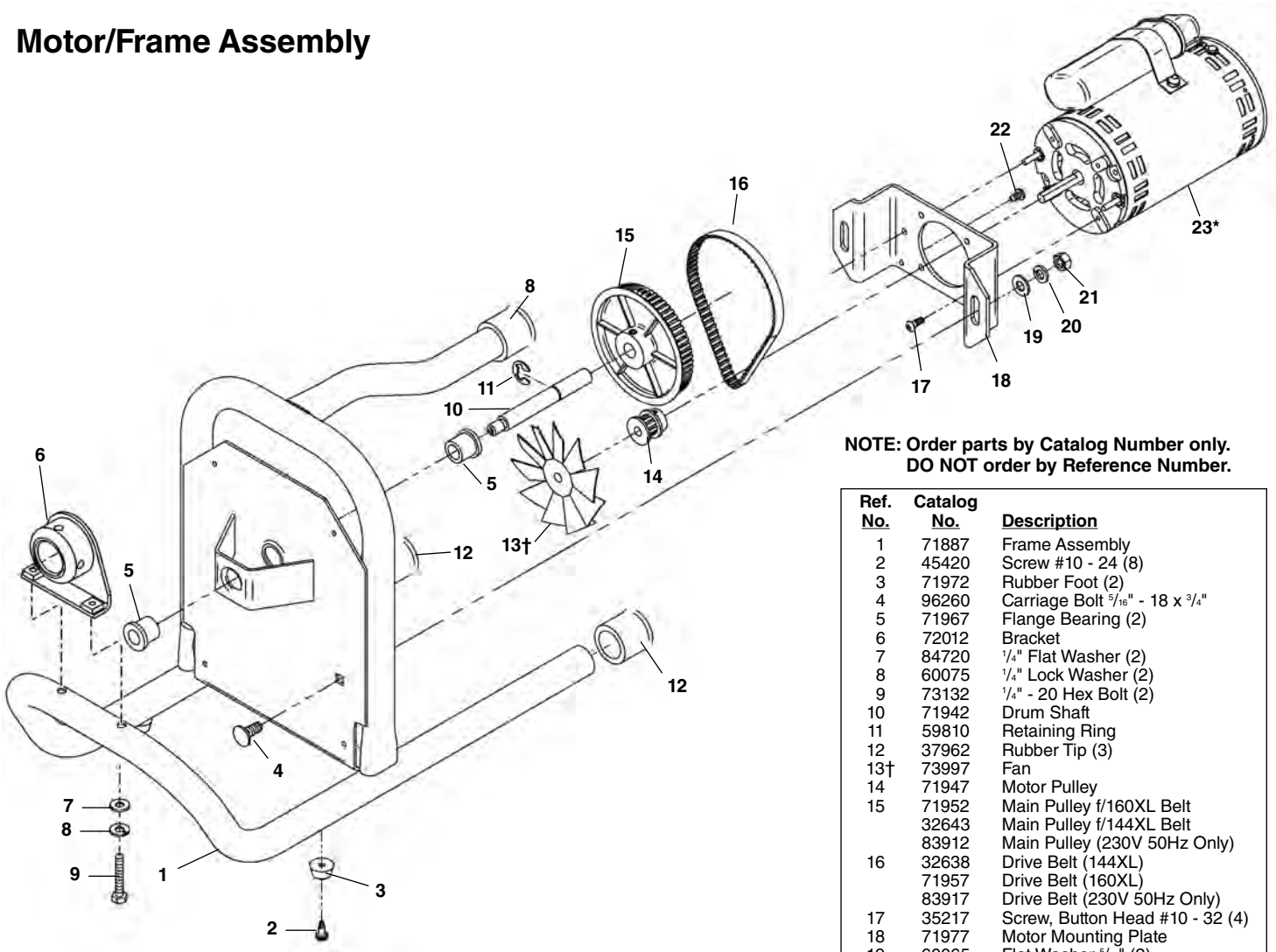
Ref. No.	Catalog No.	Description
1	56868	Cable End Cap
2	55983	¼" x 30' Cable
3	56923	Bottom Housing
4	56873	Screw, #10 x ⅜" (6)
5	56878	Roller Bearing (6)
6	56883	Washer (2)
7	56888	Pivot Pin
8	56893	Forward Lever
9	24228	Torsion Spring
10	56898	Reverse Lever
	56918	Autofeed Asm (Incl Ref #'s 3-10)
11	56908	Guide Hose 18"
12	21783	Footbulb Asm
13	27578	Screw, #8 x ¾" (17)
14	21773	ALCI Linecord
15	21768	Strain Relief
16	56948	Screw, #8-32 x ⅝" (3)
17	56928	Warning Label
18	21763	Air Switch W/Locknuts
19	56933	Right Half Housing
20	56938	Left Half Housing
21	56943	For/Off/Rev Label
22	21778	Switch
23	21758	Rectifier
24	56958	Housing Bottom
25	56963	Cap (4)
26	56968	Leg (2)
27	56973	Drain Plug
28	56913	Guide Hose Extension 30"



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

Ref. No.	Catalog No.	Description
1	56728	Front Cover
2	21808	Shaft Bearing
3	56733	Washer
4	27578	Screw, #8 x ¾" (28)
5	56738	Front Drum
6	56743	Guide Tube Spacer
7	56748	Guide Tube
8	56753	Drum Back
9	56763	Motor Drive Plate
10	76775	Screw, LH #10-32 x ¾"
11	56768	Clutch Coupling
12	56773	Gearbox W/Screws
13	56778	Motor/Gearbox Adapter
14	56783	Motor Assembly
15	56788	Screw, M4 x 10 mm (2)

Motor/Frame Assembly



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

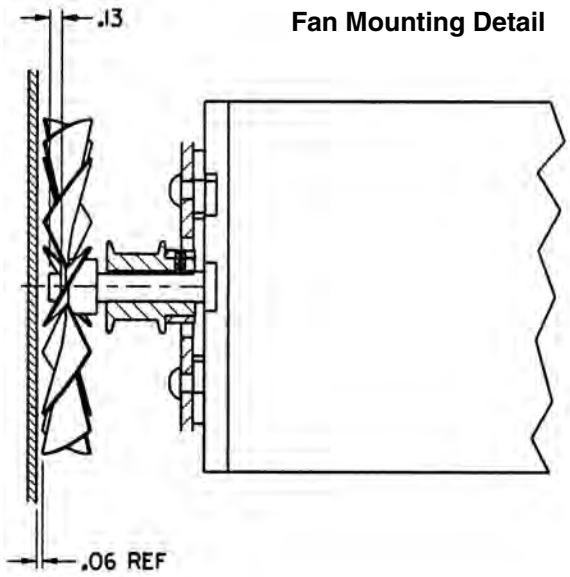
Ref. No.	Catalog No.	Description
1	71887	Frame Assembly
2	45420	Screw #10 - 24 (8)
3	71972	Rubber Foot (2)
4	96260	Carriage Bolt 5/16" - 18 x 3/4"
5	71967	Flange Bearing (2)
6	72012	Bracket
7	84720	1/4" Flat Washer (2)
8	60075	1/4" Lock Washer (2)
9	73132	1/4" - 20 Hex Bolt (2)
10	71942	Drum Shaft
11	59810	Retaining Ring
12	37962	Rubber Tip (3)
13†	73997	Fan
14	71947	Motor Pulley
15	71952	Main Pulley f/160XL Belt
	32643	Main Pulley f/144XL Belt
	83912	Main Pulley (230V 50Hz Only)
16	32638	Drive Belt (144XL)
	71957	Drive Belt (160XL)
	83917	Drive Belt (230V 50Hz Only)
17	35217	Screw, Button Head #10 - 32 (4)
18	71977	Motor Mounting Plate
19	60065	Flat Washer 5/16" (2)
20	60080	Lock Washer 5/16" (2)
21	96730	Hex Nut 5/16" - 18 (2)
22	45420	Screw #10 - 24 (8)
23*	34898	Motor 115V 60Hz w/Thermal Breaker
*	34903	Motor 230V 50Hz w/Thermal Breaker
	72022	Motor 100V 50/60Hz

† Refer to Service Notes for Fan position.

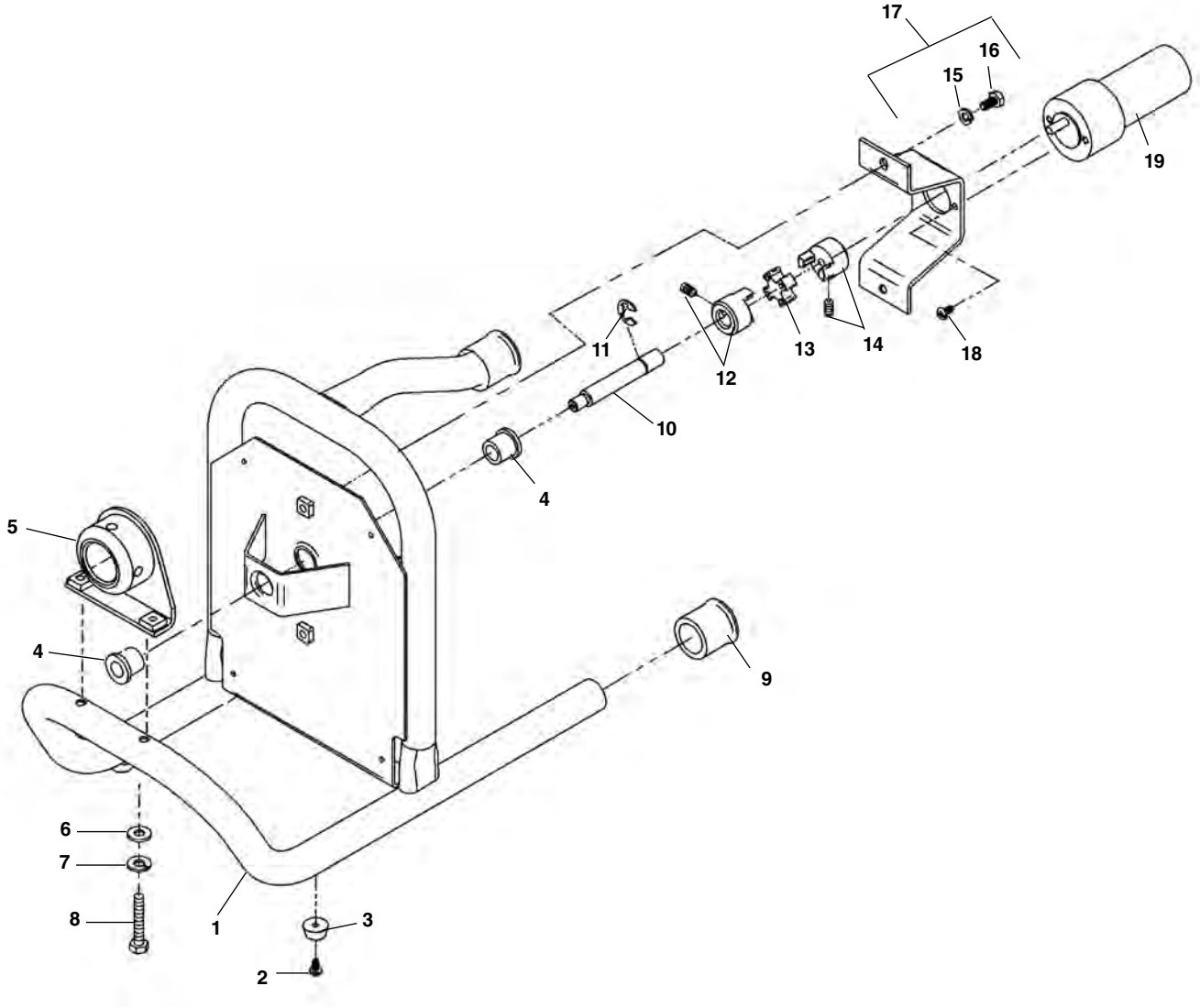
* (Ref No. 23) If replacing motor model #1842424059 then you must also replace the motor shroud catalog #34908.

1. Position Fan as Shown.

Fan Mounting Detail



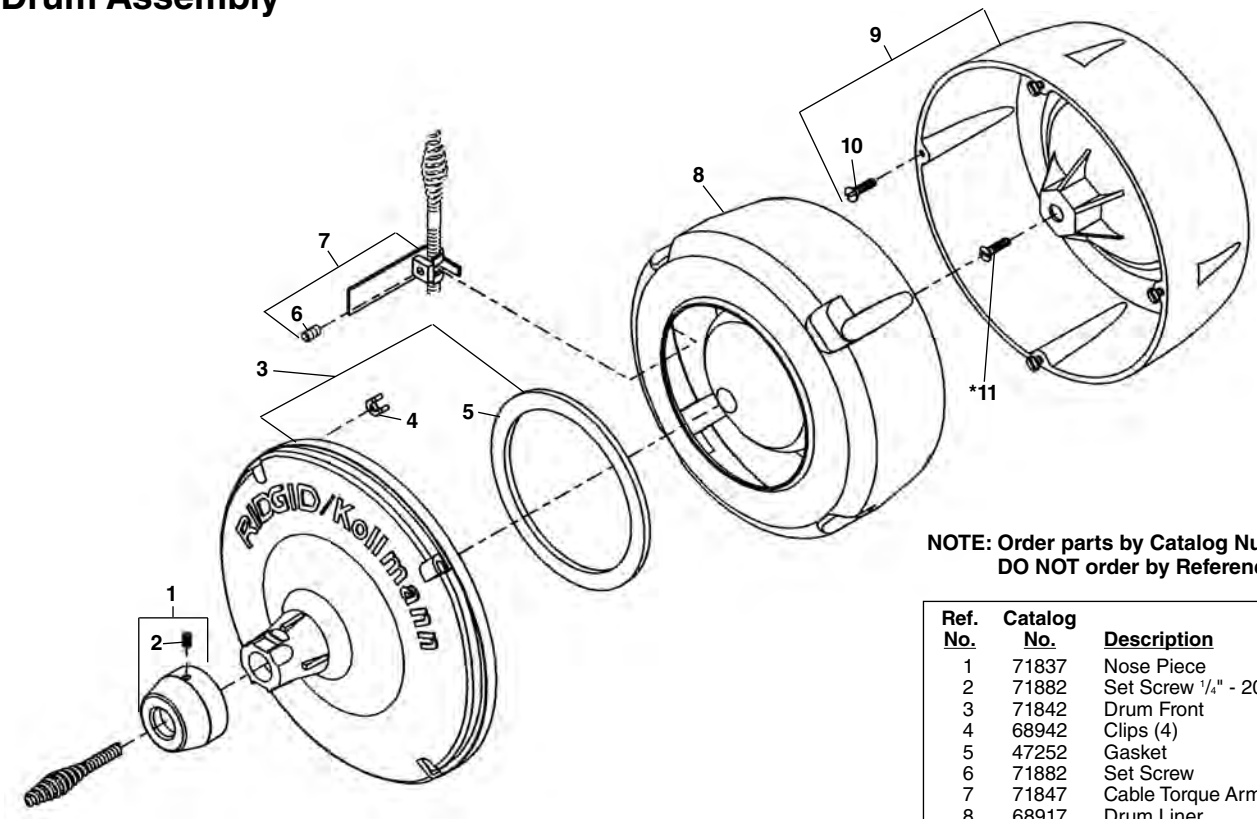
Motor/Frame Assembly



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

Ref. No.	Catalog No.	Description
1	83357	K-40B Tubular Frame Assembly
2	45420	Screw #10 - 24 (8)
3	71972	Rubber Foot (2)
4	71967	Flange Bearing (2)
5	72012	Bracket
6	84720	1/4" Flat Washer (2)
7	60075	1/4" Lock Washer (2)
8	73132	Hex Bolt 1/4" - 20 (2)
9	37962	Rubber Tip (3)
10	83367	Drum Shaft
11	59810	Retaining Ring
12	83377	Coupling End 1/2"
13	83382	Coupling Spider
14	83372	Coupling End 1/4"
15	92615	Washer (2)
16	60265	Hex Screw 1/4" - 20 x 1/2"
17	83402	Motor Mounting Plate (Inc. Ref. No. 11, 12)
18	35217	Screw, Button Head #10 - 32 (2)
19	83397	Motor 14.4V

Drum Assembly

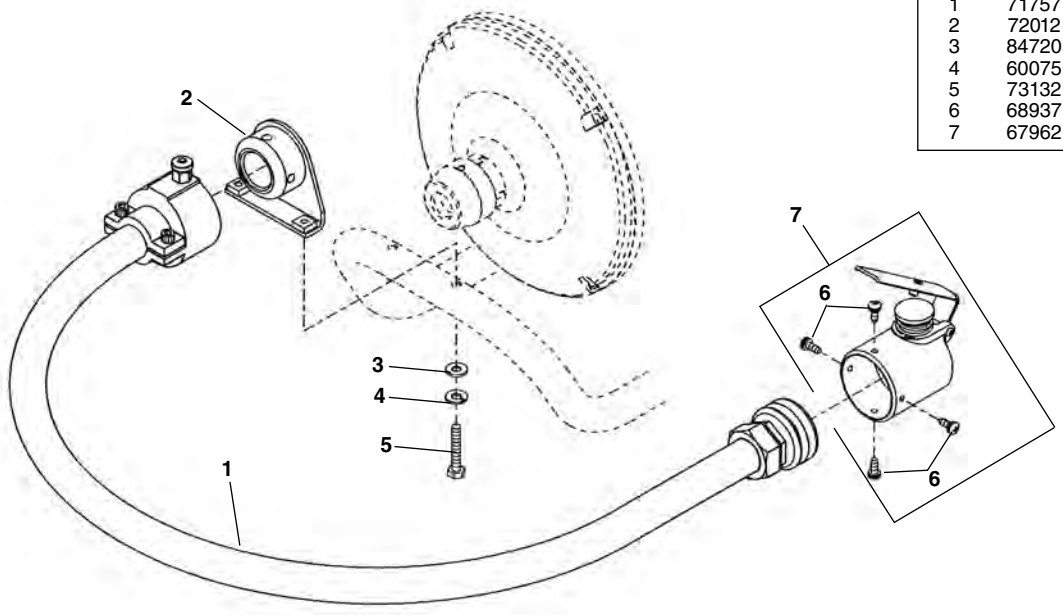


NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

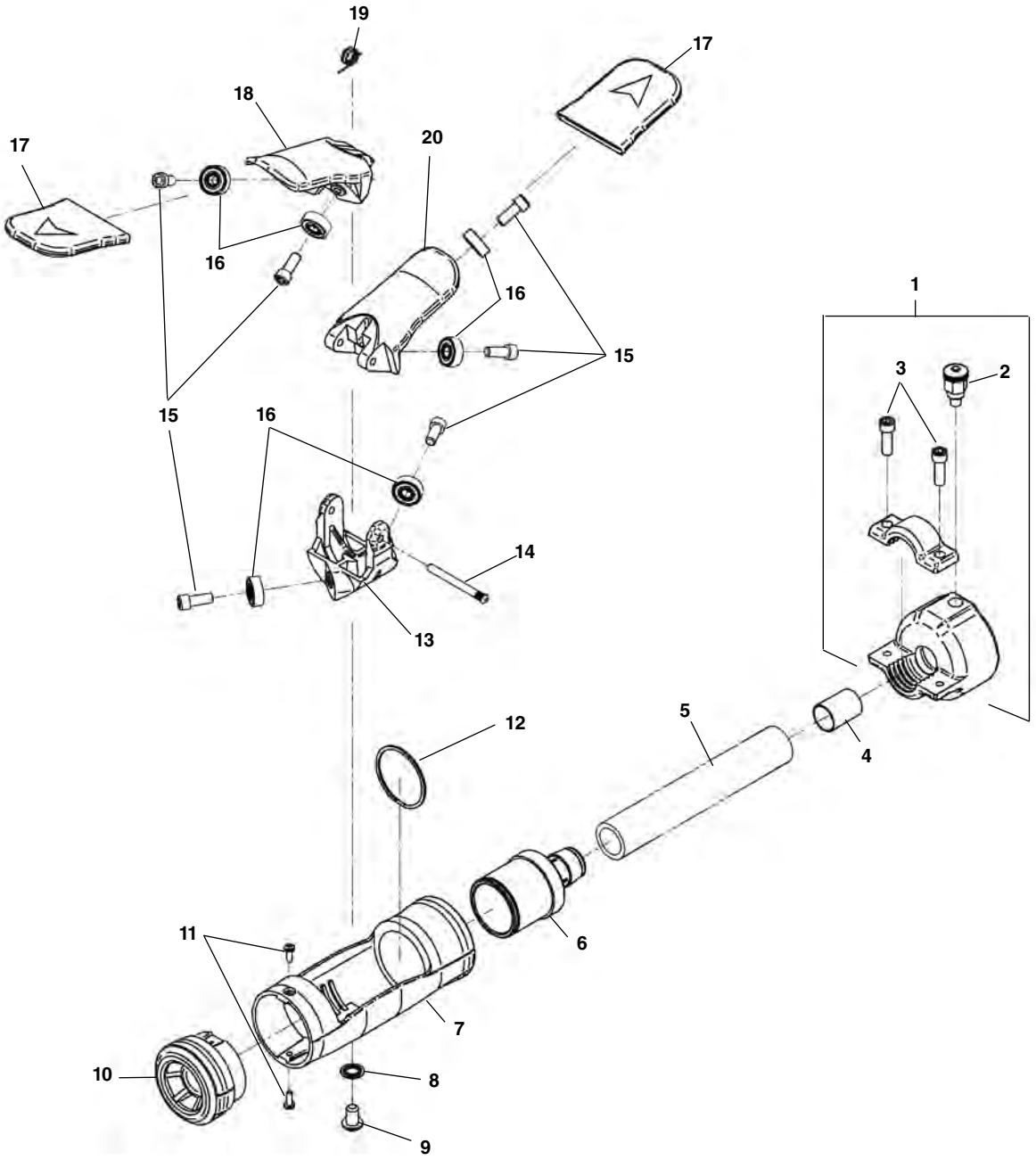
Ref. No.	Catalog No.	Description
1	71837	Nose Piece
2	71882	Set Screw 1/4" - 20 x 1/2"
3	71842	Drum Front
4	68942	Clips (4)
5	47252	Gasket
6	71882	Set Screw
7	71847	Cable Torque Arm
8	68917	Drum Liner
9	68932	Drum Back
10	69542	Screw #10 - 32 x 1" (4)
*11	76775	Screw L.H. Thread

Old Style AUTOFEED

Ref. No.	Catalog No.	Description
–	71762	A-40G PF Guide Hose/AUTOFEED
1	71757	A-40G Guide Hose Assembly
2	72012	Bracket
3	84720	1/4" Flat Washer (2)
4	60075	1/4" Lock Washer (2)
5	73132	1/4" - 20 Hex Bolt (2)
6	68937	Pan Head Screw #10 -- 24 (4)
7	67962	A-39PF AUTOFEED



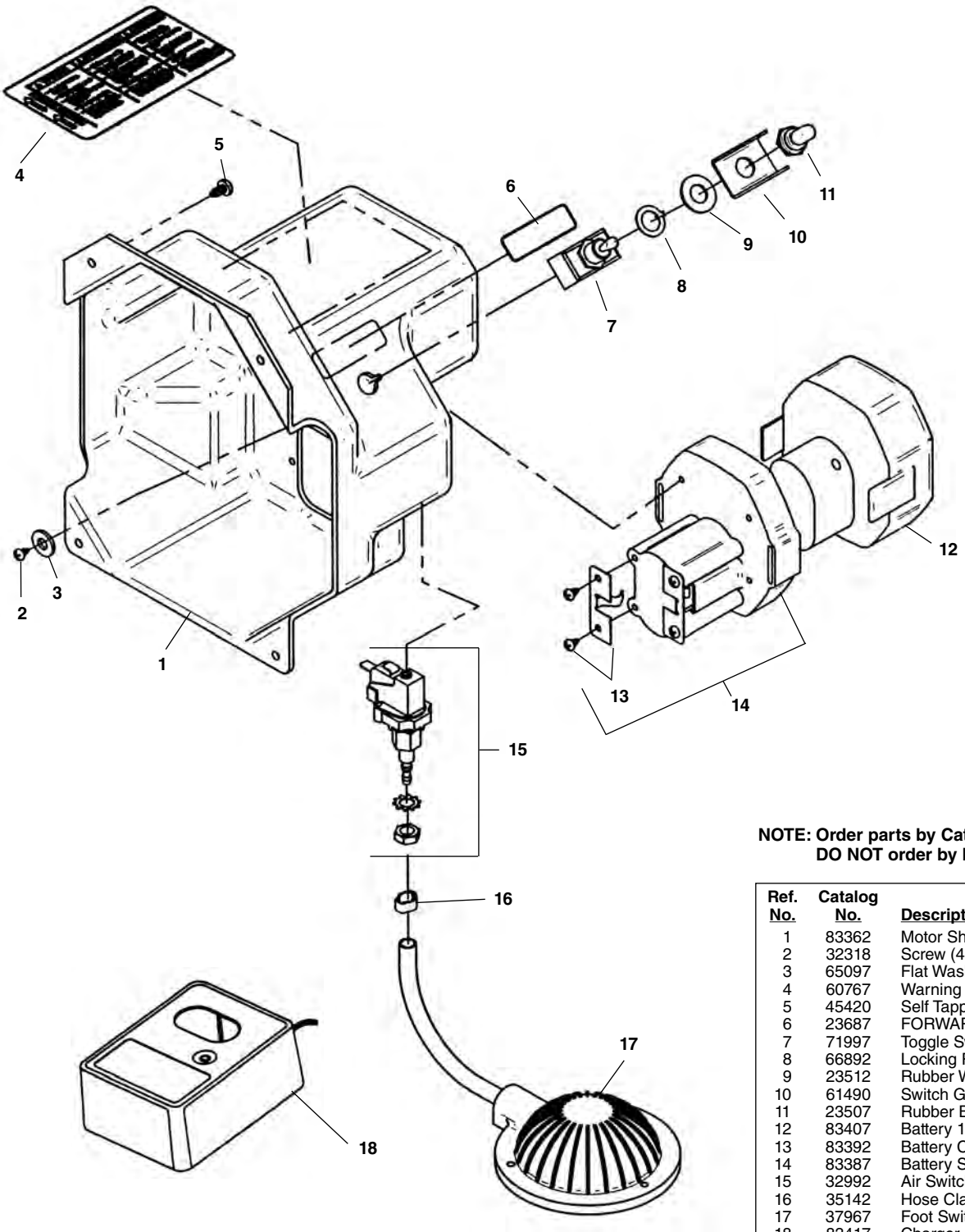
Guide Hose Assembly



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

Ref. No.	Catalog No.	Description
—	26558	Guide Hose Assembly with AUTOFEED
1	59815	Guide Hose Bracket
2	59510	Plunger Pin
3	40910	Hex Cap Screw (2)
4	31258	Ferrule
5	72467	Hose, 4'
6	31238	AUTOFEED Adapter
7	31243	Handgrip
8	31248	Lock Washer, 5/16" Internal
9	24178	Button Screw 5/16" - 18
10	24163	Nose Piece
11	24168	Screw #6 (2)
12	41512	Spiral Ring
13	24213	AUTOFEED Carriage
14	24208	Pivot Pin
15	39830	Socket HD Cap Screw 1/4" - 20 x 5/8" (6)
16	67997	Roller Bearing (6)
17	30138	Lever Grip (2)
18	24223	Forward Lever
19	24228	Torsion Spring
20	24218	Reverse Lever

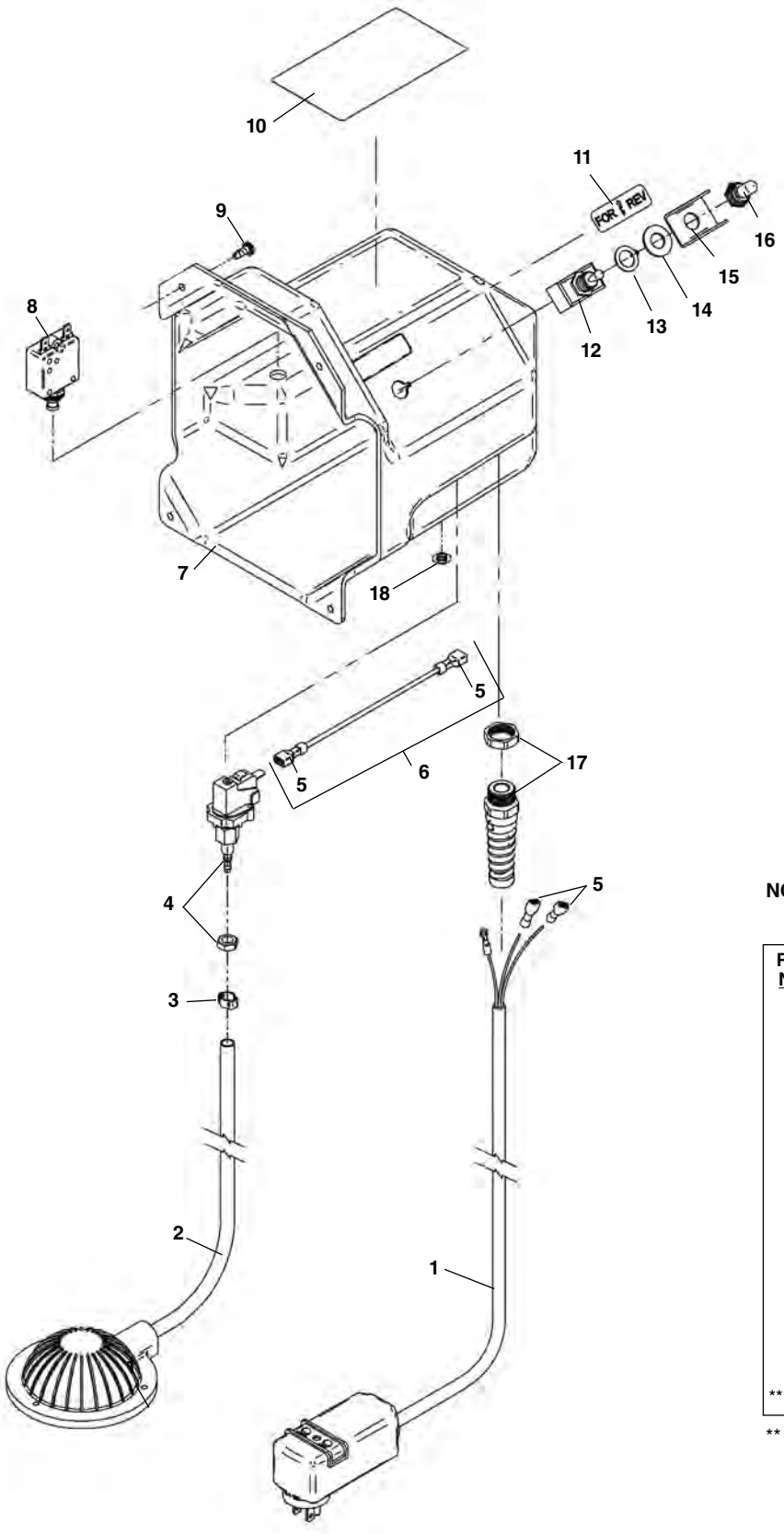
Electric Components



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

Ref. No.	Catalog No.	Description
1	83362	Motor Shroud
2	32318	Screw (4)
3	65097	Flat Washer #6
4	60767	Warning Label
5	45420	Self Tapping Screw #10 - 24 (8)
6	23687	FORWARD/REVERSE Label
7	71997	Toggle Switch
8	66892	Locking Ring
9	23512	Rubber Washer
10	61490	Switch Guard
11	23507	Rubber Boot
12	83407	Battery 14.4V
13	83392	Battery Clips w/Screws
14	83387	Battery Socket Assembly
15	32992	Air Switch
16	35142	Hose Clamp
17	37967	Foot Switch Assembly
18	83417	Charger 115V
	84112	Charger 230V

Electric Components

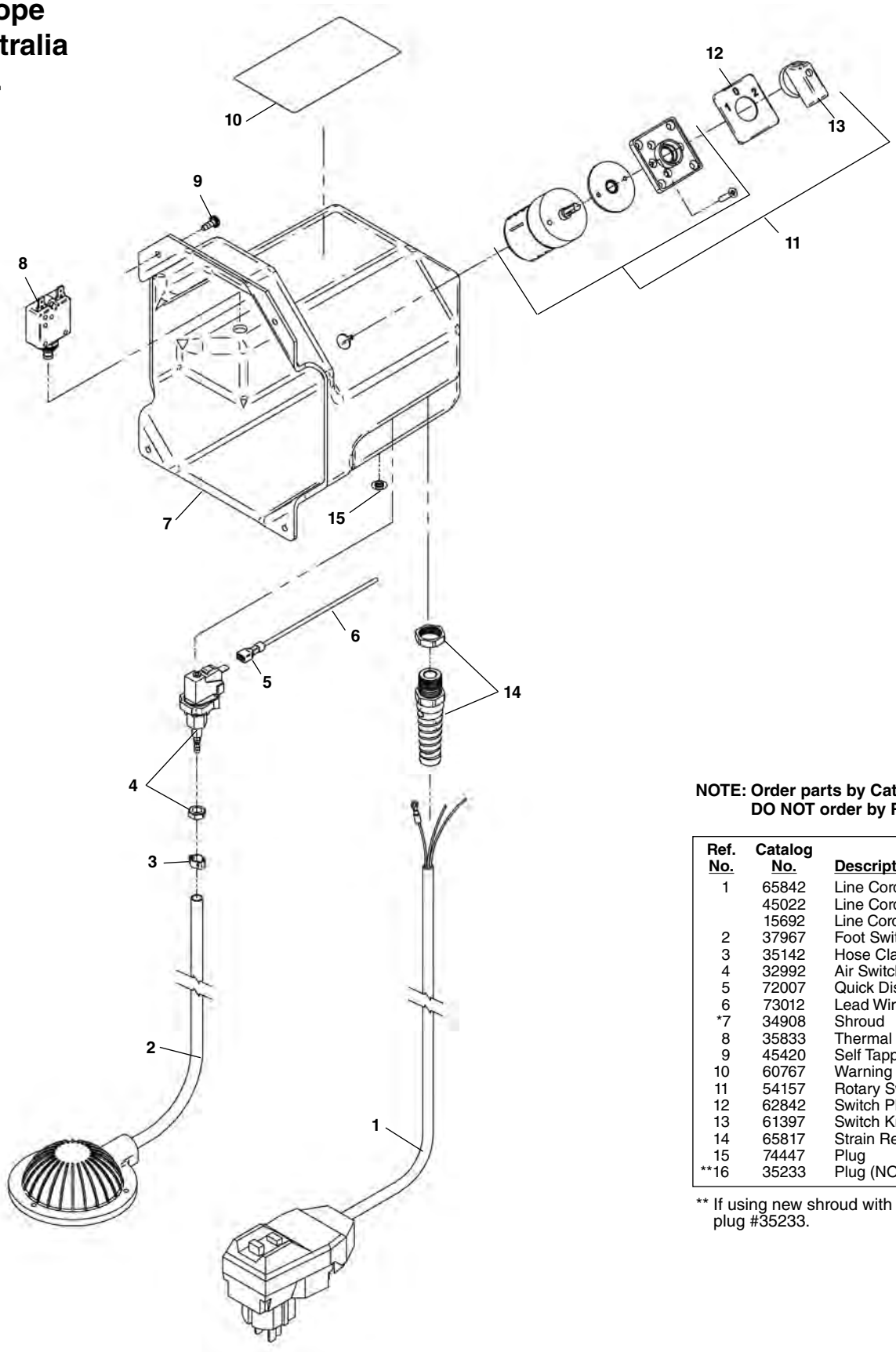


NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	50507	Line Cord w/GFCI - 115V
	66882	Line Cord - 100V Japan
	15707	Line Cord - 230V Export
2	37967	Foot Switch Assembly
3	35142	Hose Clamp
4	32992	Air Switch
5	72007	Quick Disconnect (4)
6	73012	Lead Wire
*7	34908	Shroud
8	34958	Thermal Circuit Breaker
9	45420	Self Tapping Screw #10 - 24 (8)
10	60767	Warning Label
11	23687	FORWARD/REVERSE Label
12	71997	Toggle Switch
13	66892	Locking Ring
14	23512	Rubber Washer
15	61490	Switch Guard
16	23507	Rubber Boot
17	65817	Strain Relief
18	74447	Plug
**19	35233	Plug (NOT SHOWN)

** If using new shroud with old motor must use plug #35233.

Electrical Components
Europe
Australia
U.K.



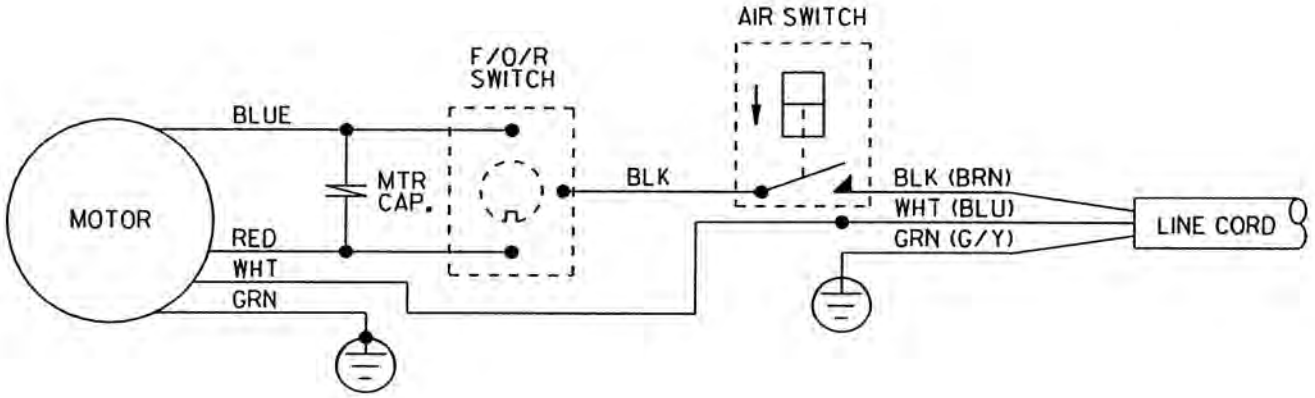
NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	65842	Line Cord w/GFCI-220V Europe
	45022	Line Cord w/Plug 110V U.K.
	15692	Line Cord w/Plug 240V Australia
2	37967	Foot Switch Assembly
3	35142	Hose Clamp
4	32992	Air Switch
5	72007	Quick Disconnect
6	73012	Lead Wire
*7	34908	Shroud
8	35833	Thermal Circuit Breaker
9	45420	Self Tapping Screw #10 - 24 (8)
10	60767	Warning Label
11	54157	Rotary Switch
12	62842	Switch Plate
13	61397	Switch Knob
14	65817	Strain Relief
15	74447	Plug
**16	35233	Plug (NOT SHOWN)

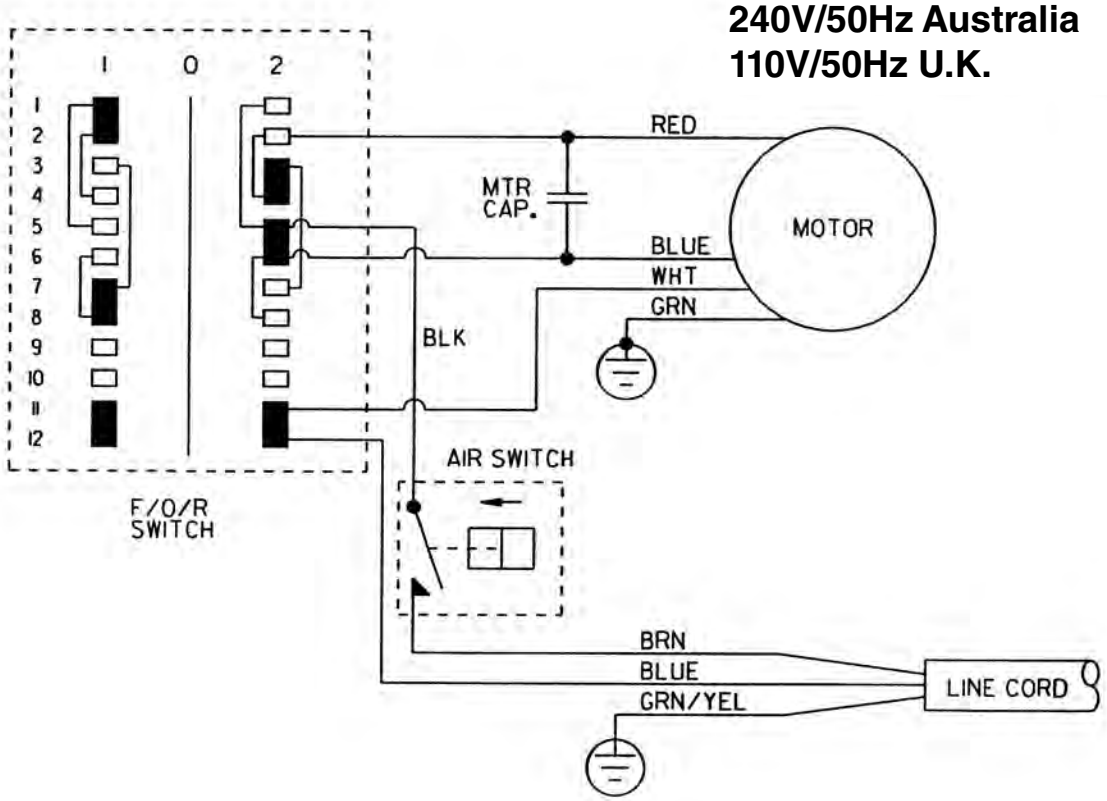
** If using new shroud with old motor must use plug #35233.

K-40 Wiring

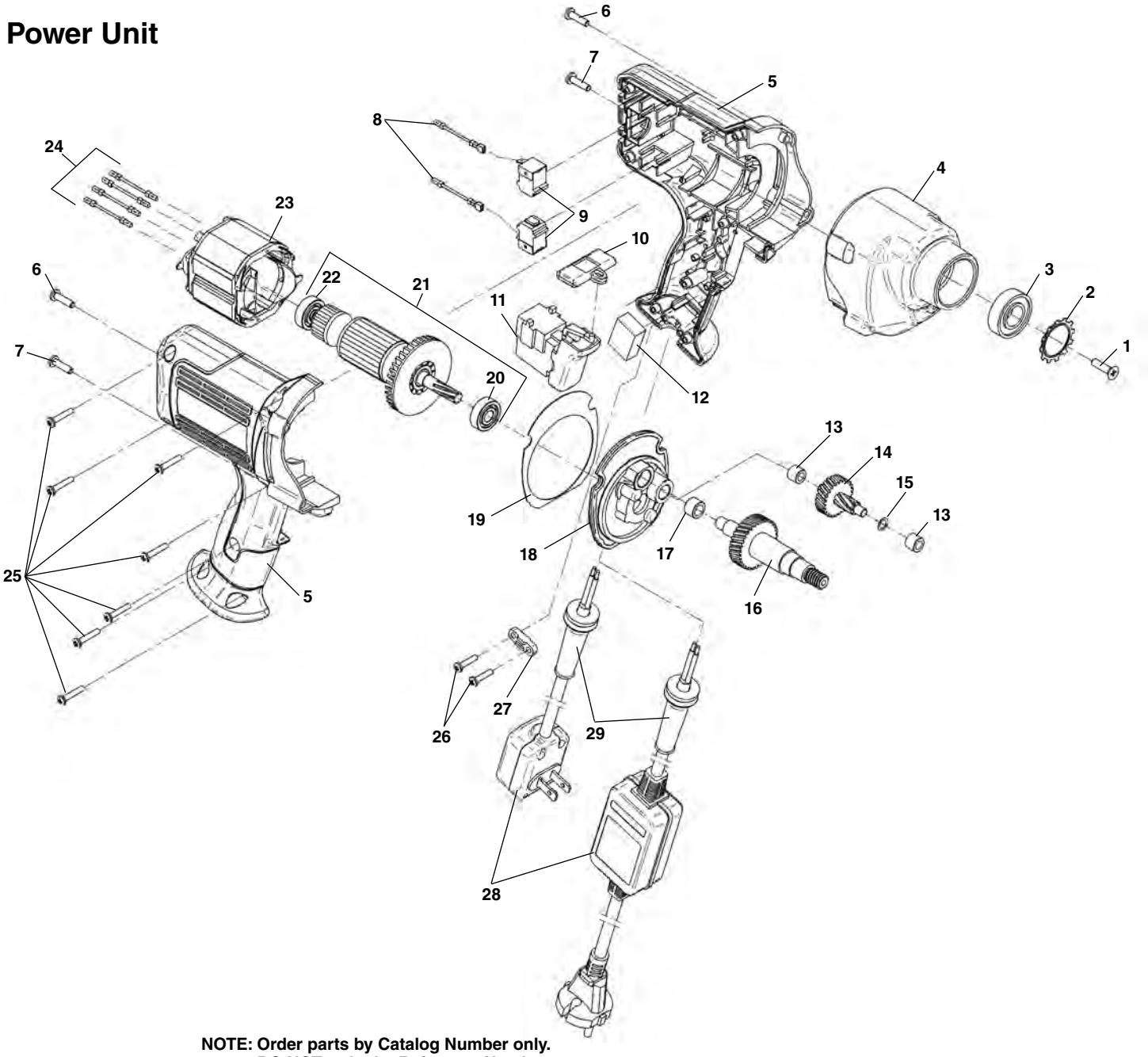
MOTOR WIRING DIAGRAM
115V/60Hz
230V/50Hz Export
100V/50-60Hz Japan



MOTOR WIRING DIAGRAM
230V/50Hz Europe
240V/50Hz Australia
110V/50Hz U.K.

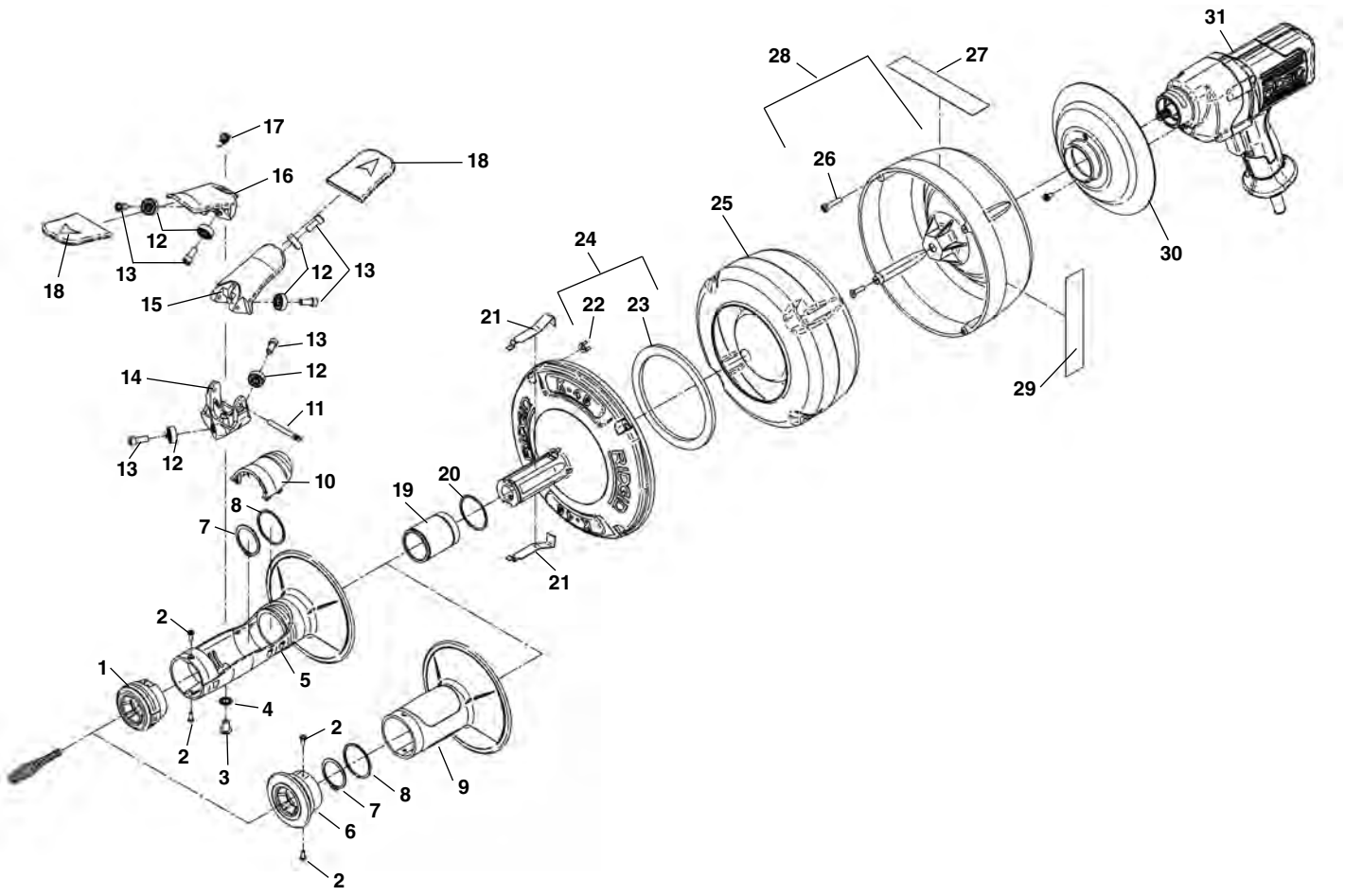


Power Unit



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

Ref. No.	Catalog No.	Description
—	36488	Power Unit, 115V
—	36493	Power Unit, 230V (Europe)
—	40018	Power Unit, 230V (Australia)
1	36333	Screw, LH
2	36338	Star Washer
3	36343	Bearing
4	36348	Gear Housing
5	36353	Housing Set
6	36358	Screw, M4 x 25
7	36363	Screw, M4 x 41
8	36368	Brush Wire Set
9	36373	Brush Set
10	36378	Switch Lever
11	36383	Switch 115V
	38023	Switch 230V
12	36388	Capacitor 230V
13	36393	Needle Bearing
14	36403	Intermediate Gear
15	36398	Washer
16	36408	Spindle Gear
17	36413	Needle Bearing
18	36418	Bearing Plate
19	36423	Gasket
20	36428	Bearing
21	36433	Armature, 115V
	36438	Armature, 230V
22	36443	Bearing
23	36448	Field, 115V
	36453	Field, 230V
24	36458	Lead Wire Set
25	36463	Screw
26	36468	Screw
27	36473	Cord Clamp
28	36478	Line Cord, 115V
	36483	Line Cord, 230V (Europe)
	40023	Line Cord, 230V (Australia)
29	48168	Strain Relief

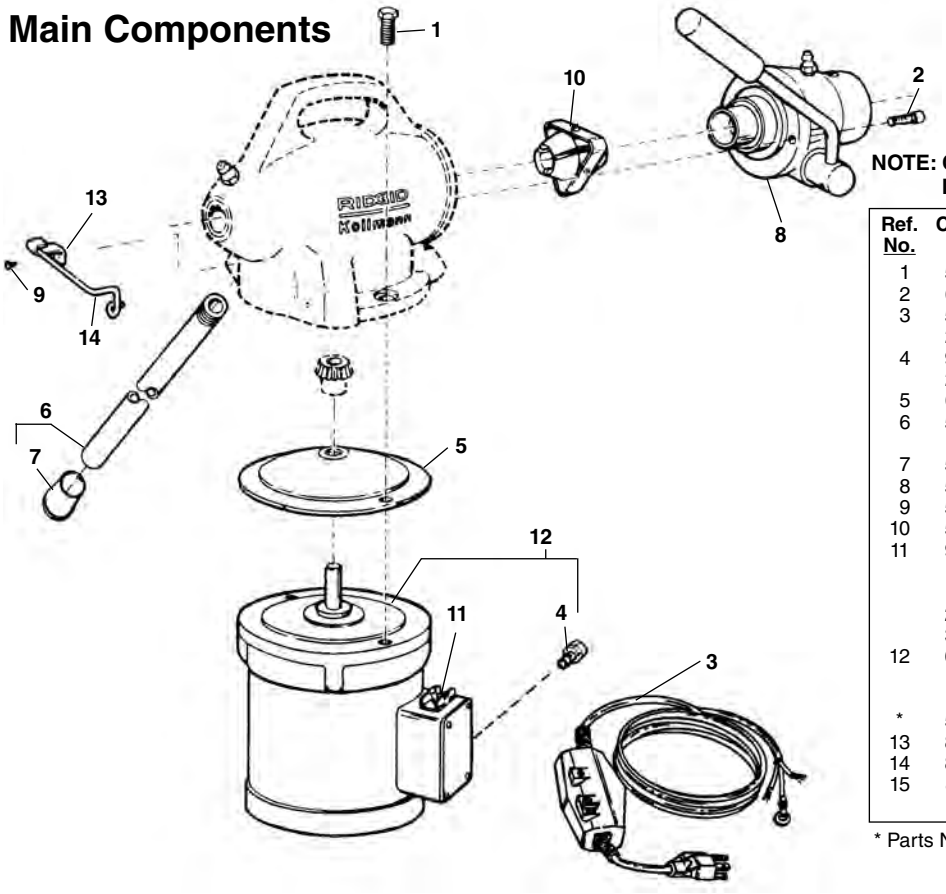


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	24163	Nose Piece, Auto
2	24168	Screw
3	24178	Button Screw $^{5}/_{16}$" - 18
4	92255	Lockwasher
5	24183	Hand Grip, Auto
6	24188	Nose Piece, Manual
7	24193	Retaining Ring
8	41512	Spiral Ring
9	24198	Hand Grip, Manual
10	24203	Top Grip Cap
11	24208	Pivot Pin
12	67997	Roller Bearing
13	39830	Socket HD Cap Screw
14	24213	AUTOFEED Carriage
15	24218	Reverse Lever
16	24223	Forward Lever

Ref. No.	Catalog No.	Description
17	24228	Torsion Spring
18	30138	AUTOFEED Lever Cover
19	24233	Sleeve
20	41512	Spiral Ring
21	24243	Clamp Spring
22	68942	Clips
23	47252	Gasket
24	24238	Drum Front
25	68917	Drum Liner
26	69542	Screw 10-32 x 1
27	24248	Caution Label
28	68932	Drum Back
29	36503	Warning Label
30	36498	Drum Guard
31	36488	Power Unit 115V
	36493	Power Unit 230V

Main Components

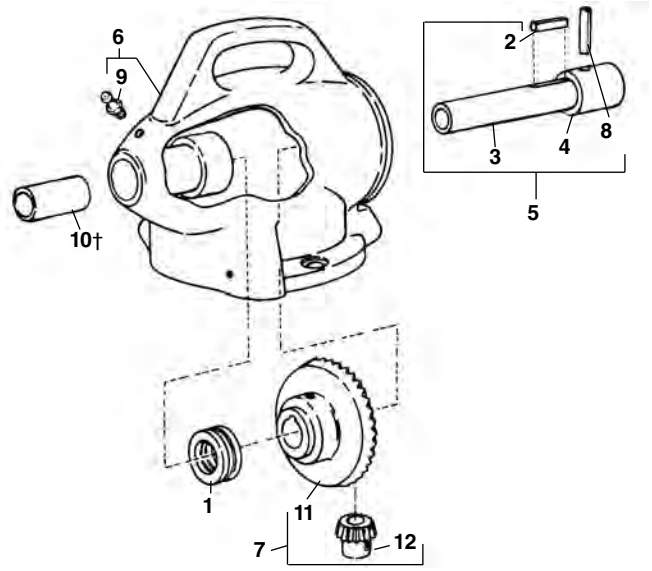


NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	59785	Screw (2)
2	60910	Screw (2)
3	50507	Cord with GFCI
	27656	Cord (Europe)
4	96265	Strain Relief
	27187	Strain Relief (Europe)
5	61935	Insulating Motor Gasket
6	59825	Legs w/Rubber Feet (3 per set) (Incl. Ref. No. 7)
7	59965	A-2240 Rubber Feet (3)
8	59975	A-2244-X Rack and Pinion Assembly
9	59990	A-2256 Screw (2)
10	59450	A-3179 Clutch Jaw Assembly
11	95845	Switch DPDT - 6 Terminal (Emerson Motor)
	41817	Switch 3PDT - 9 Terminal 115/230V 50/60Hz
	24236	Switch (Europe)
	32633	Rotary Switch Allwin Motor
12	69265	Motor Assembly - 115V (Incl. Ref. Nos. 4 and 11)
	16716	Motor Assembly (230V Europe)
*	52237	Motor Assembly (100V Japan)
13	89800	Catch
14	89805	Pin
15	84507	K-50 Contact Switch (Emerson Motor Only -Parts Not Shown)

* Parts Not Shown - Europe Only

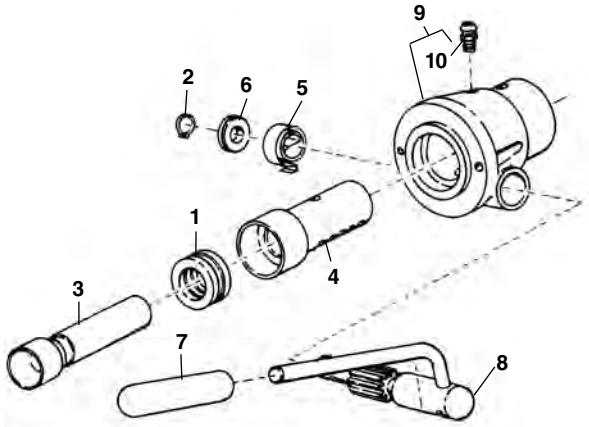
Bevel Gear and Related Parts



Ref. No.	Catalog No.	Description
1	59945	Bearing
2	60680	Key
3	61570	Shaft
4	61575	Cone
5	59695	Shaft with Cone
6	59960	Body
7	60985	Bevel and Pinion Gear w/Set Screws
8	76830	Spring Pin
9	89810	Grease Fitting
10†	61715	Bronze Bushing
11	24577	Bevel Gear w/Key
12	24572	Pinion Gear w/Key

† Service Note: After replacing Bronze Bushing a 1/4" drill bit must be used for drilling a grease hole port for grease fitting.

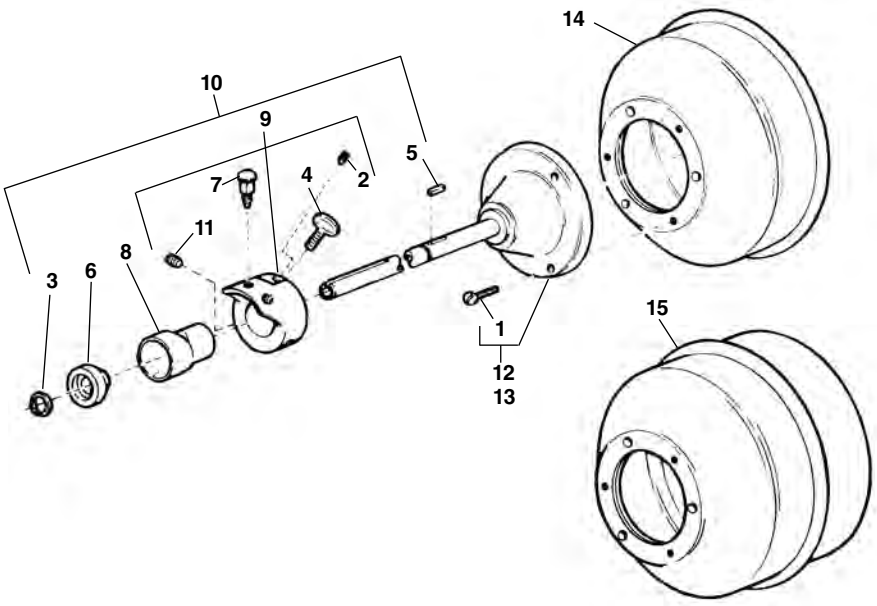
Rack and Pinion Assembly No. A-2244



Ref. No.	Catalog No.	Description
—	59975	Rack & Pinion Assembly
1	59945	Bearing
2	60860	Retaining Ring
3	61580	Rear Clutch Cone Sleeve
4	61585	Gear Rack
5	61595	Pinion Spring
6	61600	Pinion Stem Washer
7	61605	Handle Grip
8	59980	Handle with Pinion Assembly
9	60965	Rack and Pinion Housing (Incl. Ref. No. 10)
10	89810	Grease Fitting

Cable Adapters

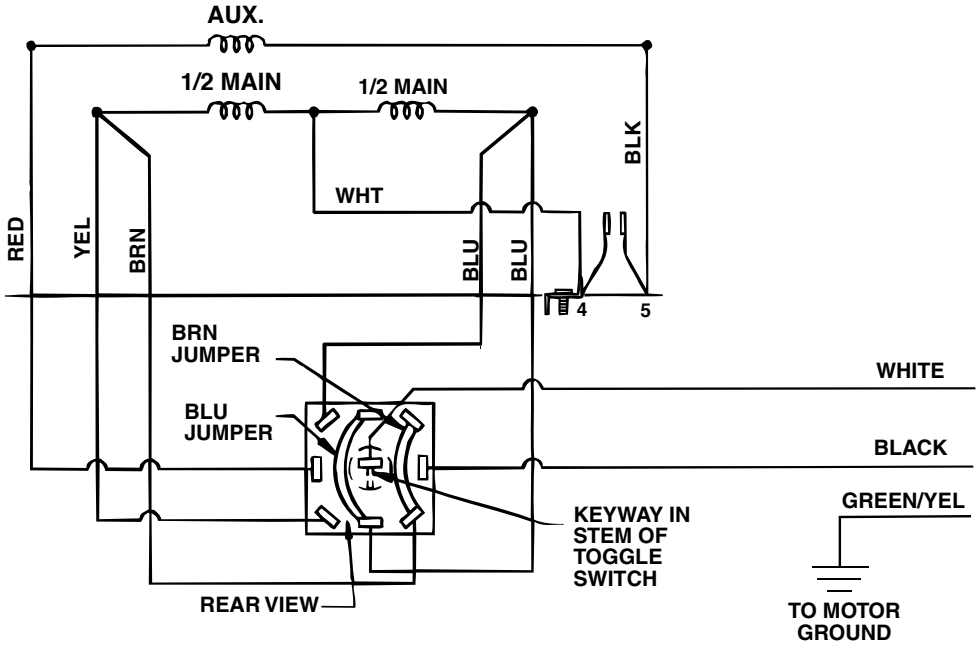
Cable No.	Description
59250	A-17-A Cable Adapter (Includes C-1 Cable - 5/16" x 25' long with Bulb Auger)
59245	A-17-A Cable Adapter - Less Cable
59255	A-17-B Cable Adapter (Includes C-5 Cable - 3/8" x 35' long with Bulb Auger)
59260	A-17-B Cable Adapter - Less Cable
59265	A-17-C Cable Adapter (Includes C-6 Cable - 3/8" x 35' long with Male Coupling)
59260	A-17-C Cable Adapter - Less Cable
92095	A-17-D Cable Adapter (Includes C-21 Cable - 5/16" x 50' long with Bulb Auger)
92100	A-17-E Cable Adapter (Includes C-22 Cable - 5/16" x 50' long with Drop Head Auger)



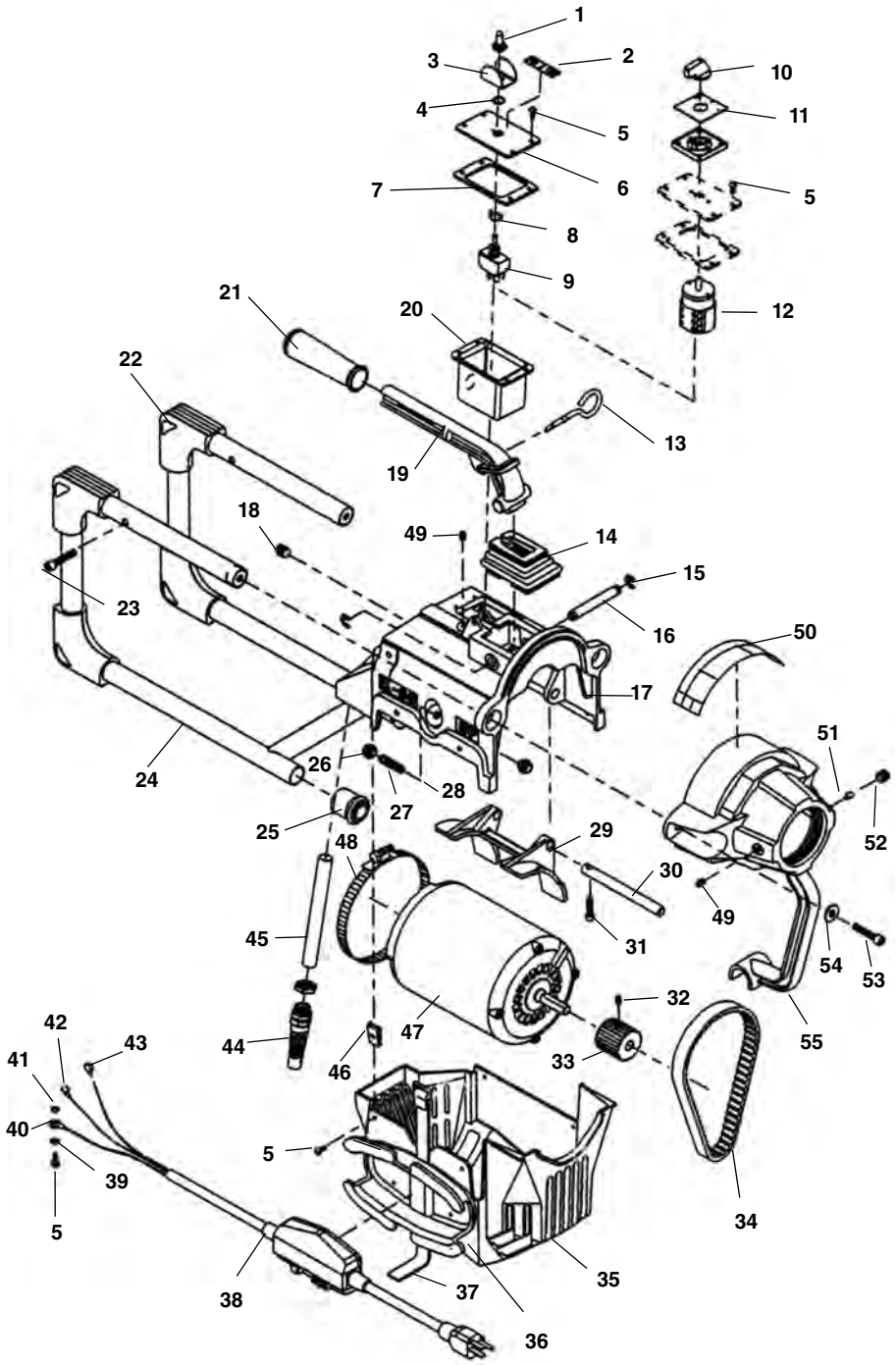
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	61540	Screw (3)
2	61550	Screw
3	61555	Retaining Ring
4	79935	Thumb Screw (2)
5	61565	Key
6	61735	Brake Cone (Male)
7	59510	Plunger Pin
8	59630	Brake Cone (Female)
9	59760	Adapter Bracket (Incl. Ref. Nos. 7, 4, 2 and 11)
10	59790	Adapter Bracket Assembly (Incl. Ref. Nos. 3, 5, 6, 8 and 9)
11	60025	Screw (2)
12	60325	Tube and Flange with Screws (5/16" Cable Adapter) (Incl. Ref. No. 1)
13	60335	Tube and Flange with Screws (3/8" Cable Adapter) (Incl. Ref. No. 1)
14	63255	Cable Container (5/16" x 25' Cable Only)
15	63250	Cable Container (3/8" x 35' and 5/16" x 50' Cable)

K-50 Motor Wiring Diagram 120V 50/60Hz



Main Body Components

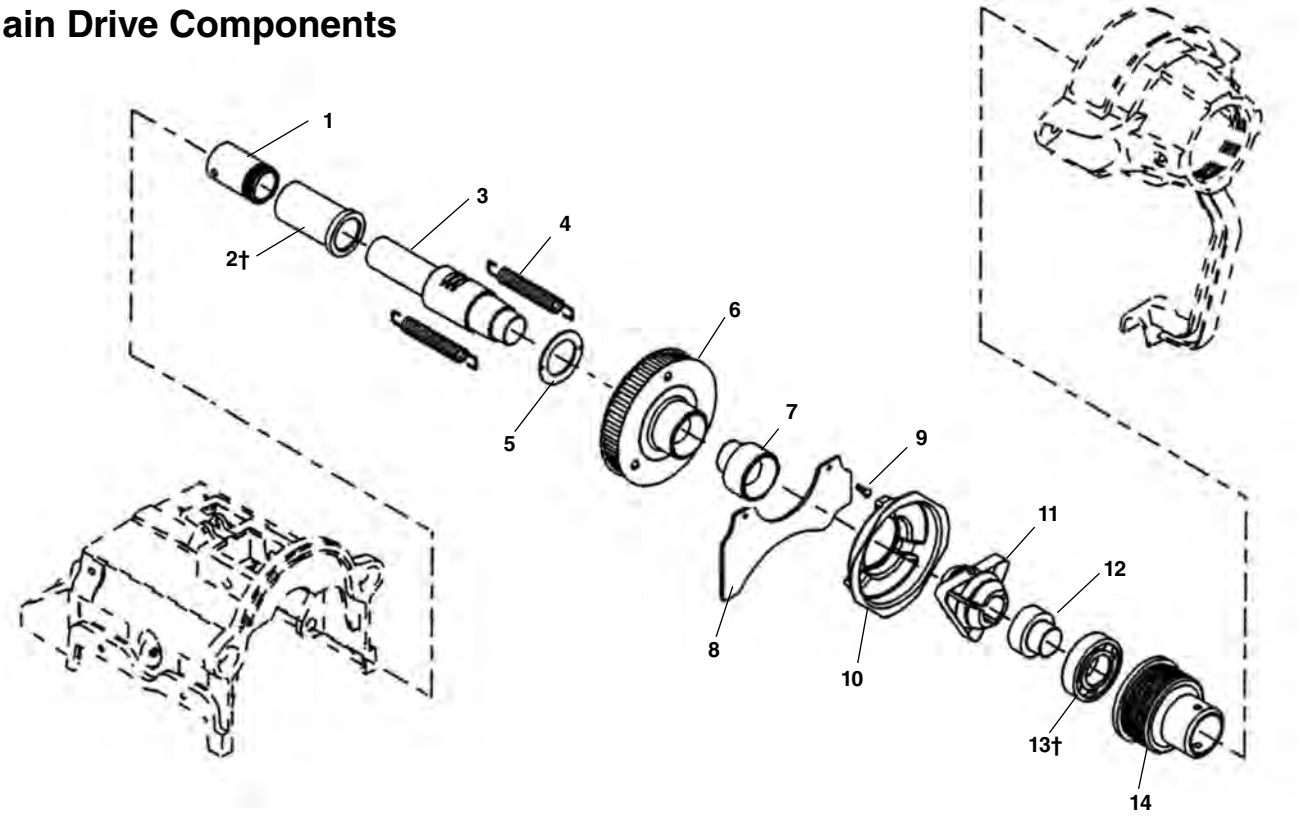


NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	23507	Rubber Boot
2	23687	FOR/OFF/REV Decal
3	61490	Switch Guard
4	23512	Rubber Washer
5	93585	10 - 24 x 1/2" Screw (9)
6	65762	Switch Box Cap
7	66887	Gasket
8	66892	Locking Ring
9	23612	Toggle Switch
10	61397	Switch Knob (Export)
11	57517	FOR/OFF/REV Switch Plate (Export)
12	54157	Switch (Export)
13	59225	Pin Key
14	65852	Rubber Boot
15	65742	Retaining Rings (2)
16	65737	Pinion Shaft
17	65732	Main Housing Assembly
18	65867	Plastic Socket Set Screw
19	65747	Handle Assembly w/Grip
20	65757	Switch Box
21	60827	Handle Grip
22	65772	Frame Bumpers (4)
23	79685	5/16" - 18 x 1 1/2" Socket Screw (4)
24	65767	Frame Assembly w/Bumpers
25	37962	Rubber Foot (2)
26	83545	3/8" - 16 Hex Jam Nut
27	65782	3/8" Stud
28	65787	Nylon Acorn Nut
29	65792	Motor Mounting Bracket
30	65797	Motor Mounting Pin
31	59935	1/4" - 20 x 1" Socket Screw
32	87580	1/2" - 20 Set Screw
33	65807	Motor Pulley
34	65802	Belt
35	65822	Motor Shroud w/Cord Wrap (Inc. Ref No. 46)
36	66907	Cord Wrap w/Rivets
37	48007	Cinching Strap
38	50497	Replacement GFI Cord
—	65842	Replacement GFI Cord (Europe)
—	66882	Line Cord (Export)
—	66757	Accessory GFCI (Europe)
39	61310	Star Washer
40	59955	Ring Terminal
41	87970	#10 - 24 Nut
42	59007	Terminal
43	59002	Splicer
44	65817	Strain Relief w/Nut
45	59342	Insulator Tube
46	65857	Clips (4)
47	65832	Motor - 115V/60Hz
—	65837	Motor - 230V/50Hz (Europe)
—	66872	Motor - 100V (Japan)
48	65812	Bracket Strap (2)
49	65657	Grease Fitting (2)
50	65667	Warning Label
—	65862	Warning Label (Export)
51	65662	Nylon Plug
52	42037	1/2" - 13 x 1/2" Screw
53	79685	1/2" x 1 1/2" Socket Screw (2)
54	60065	Washer (2)
55	65652	Jaw Housing Assembly (Inc. Ref. #'s 49, 51, 52)
56	67422	Thermal Overload f/Motor (Not Shown)

† – Apply Loctite® #411 to Frame Bumper (Ref. #22)

Main Drive Components



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

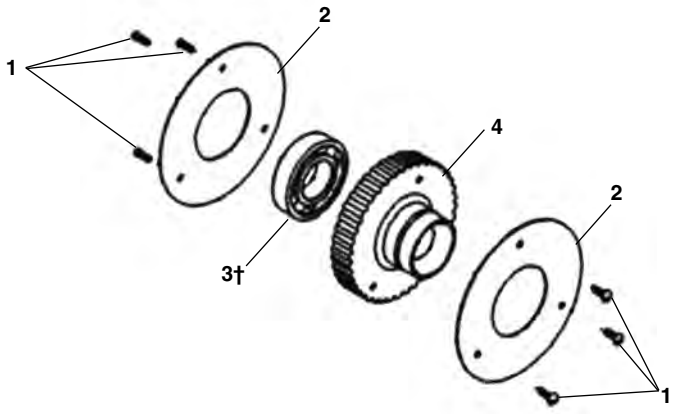
Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	65727	Steel Insert	8	65697	Baffle
2†	65722	Sleeve Bearing	9	61110	10 - 32 x 3/8" Screw (2)
3	65712	Shaft w/Rack	10	65692	Jawset Cover
4	65717	Extension Spring (2)	11	65687	Clutch Jaw
5	65707	Spring Plate	12	65682	Idler Cone
6	65702	Pulley Assembly	13†	65677	Bearing (2)
7	66897	Drive Cone	14	65672	Adjustment Cap

† – Apply Loctite® #642 to O.D of Sleeve Bearing (Ref. #2).
† – Apply Loctite® #642 to I.D. of Bearing (Ref. #13) prior to assembly into Shaft w/Rack (Ref. #3) and Idler Cone (Ref. #12).

Pulley Assembly

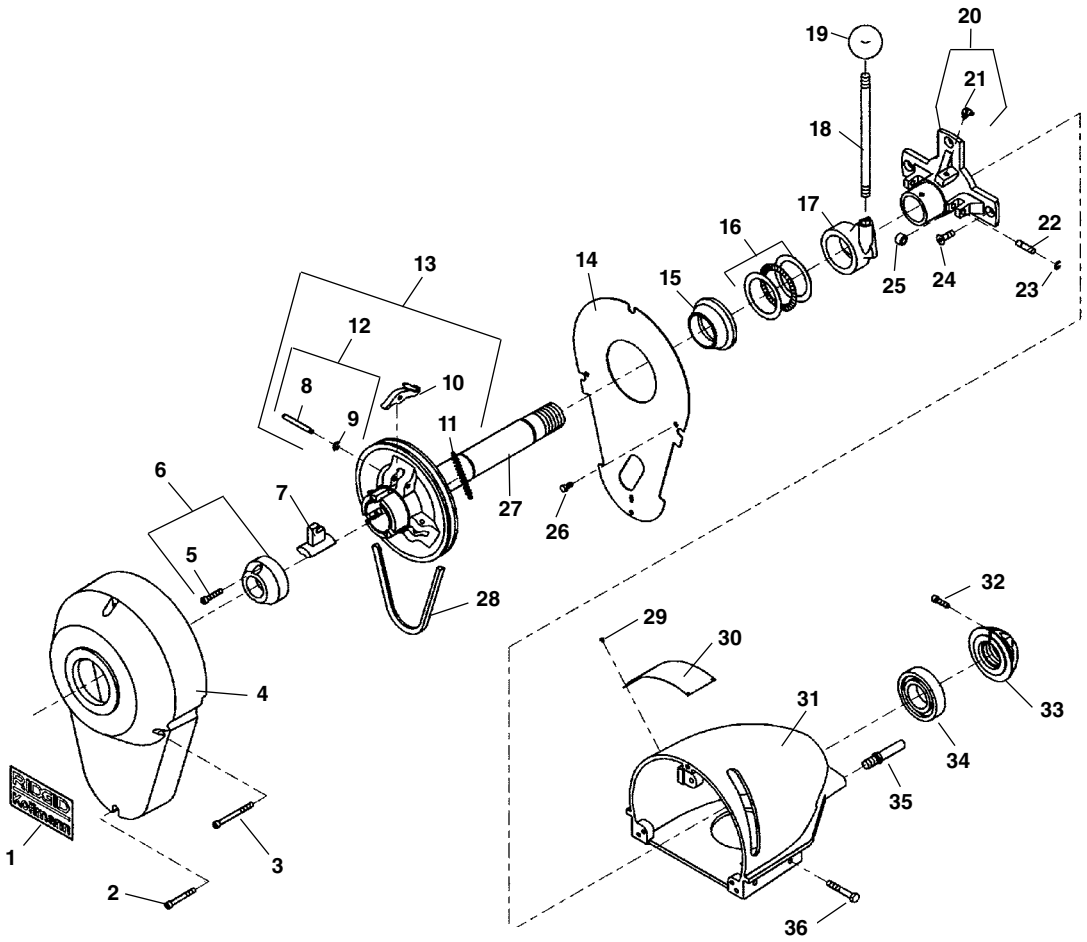
Ref. No.	Catalog No.	Description
—	65702	Pulley Assembly
1	61110	10 - 32 x 3/8" Screw (6)
2	66877	Pulley Flange (2)
3†	65677	Bearing (2)
4	66902	Pulley

† – Apply Loctite® #642 to I.D. of Bearing (Ref. #3) prior to assembly into Shaft w/Rack (Ref. #3) and Idler Cone (Ref. #12).



K-75A
K-75B
K-1500A
K-1500B
K-1500ASP
K-1500BSP

Main Components



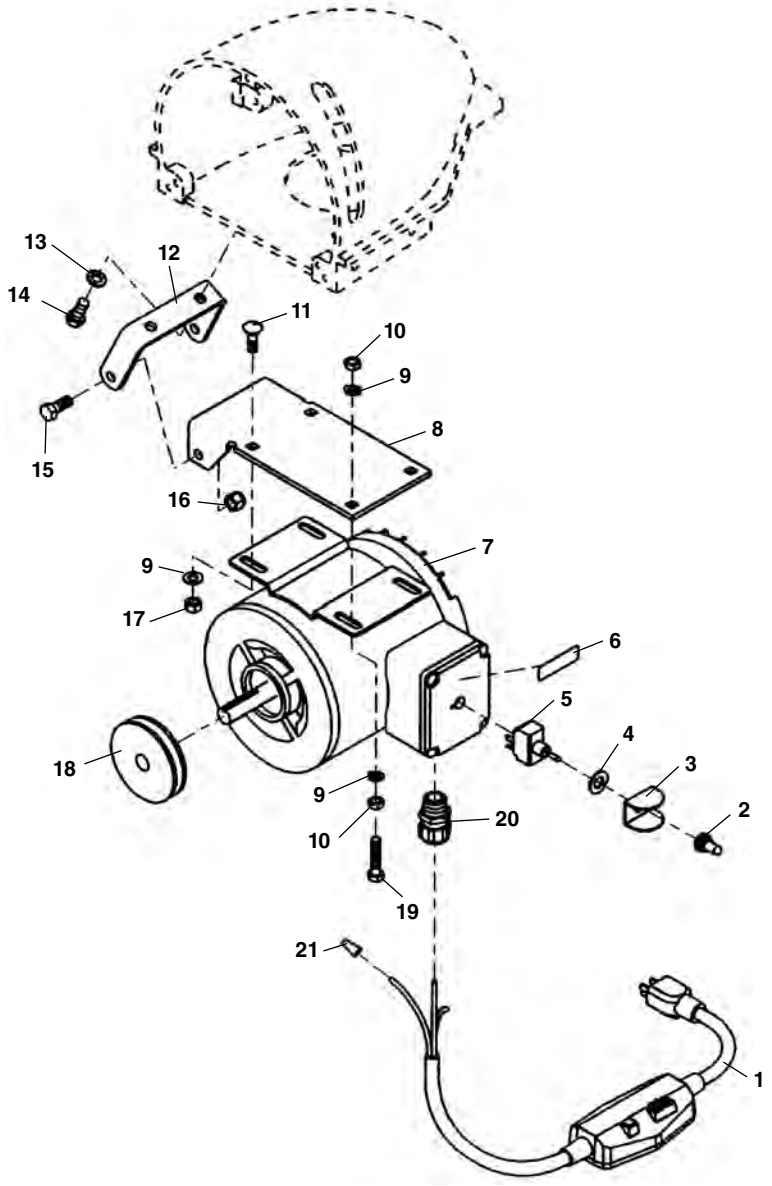
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	23657	Label (K-75)
	24097	Label (K-1500)
2	44510	Screw
3	23652	Screw (3)
4	23547	Front Guard
5	84425	Screw (2)
6	59500	Nose Piece (Incl. Ref. #5)
7	59330	Jaw Assembly (K-75) 5/8" Cable
	59325	Jaw Assembly (K-75/K-1500) 7/8" Cable
	59320	Jaw Assembly (K-1500) 1 1/4" Cable
8	90105	Pin (3)
9	78780	Retaining Ring
10	59530	Rocker Arm Set
11	60155	Spring (3)
12	60150	Rocker Arm Pin
13	60145	Rocker Arm Kit
14	23567	Inside Guard
15	23572	Clutch Cone
16	23677	Thrust Bearing Assembly
17	23557	Clutch Casting

Ref. No.	Catalog No.	Description
18	59575	Clutch Handle
19	59585	Clutch Knob
20	23552	Main Bearing
21	89815	Grease Fittings
22	23592	Pin (2)
23	34175	Retaining Ring (2)
24	68875	Screw (3)
25	61015	Roller (2)
26	60265	Screw (2)
27	23562	Pulley & Shaft Assembly
28	23577	V-Belt
29	76730	Screw (6)
30	23632	Warning Label
	45282	Warning Label (SP Models Only)
31	23542	Body
32	60910	Screw
33	60935	Lock & Adj. Nut (Incl. #2)
34	60930	Ball Bearing
35	59580	Guide Hose Pin (2)
36	43757	Screw (4)

K-75A
K-75B
K-1500A
K-1500B

Motor Components



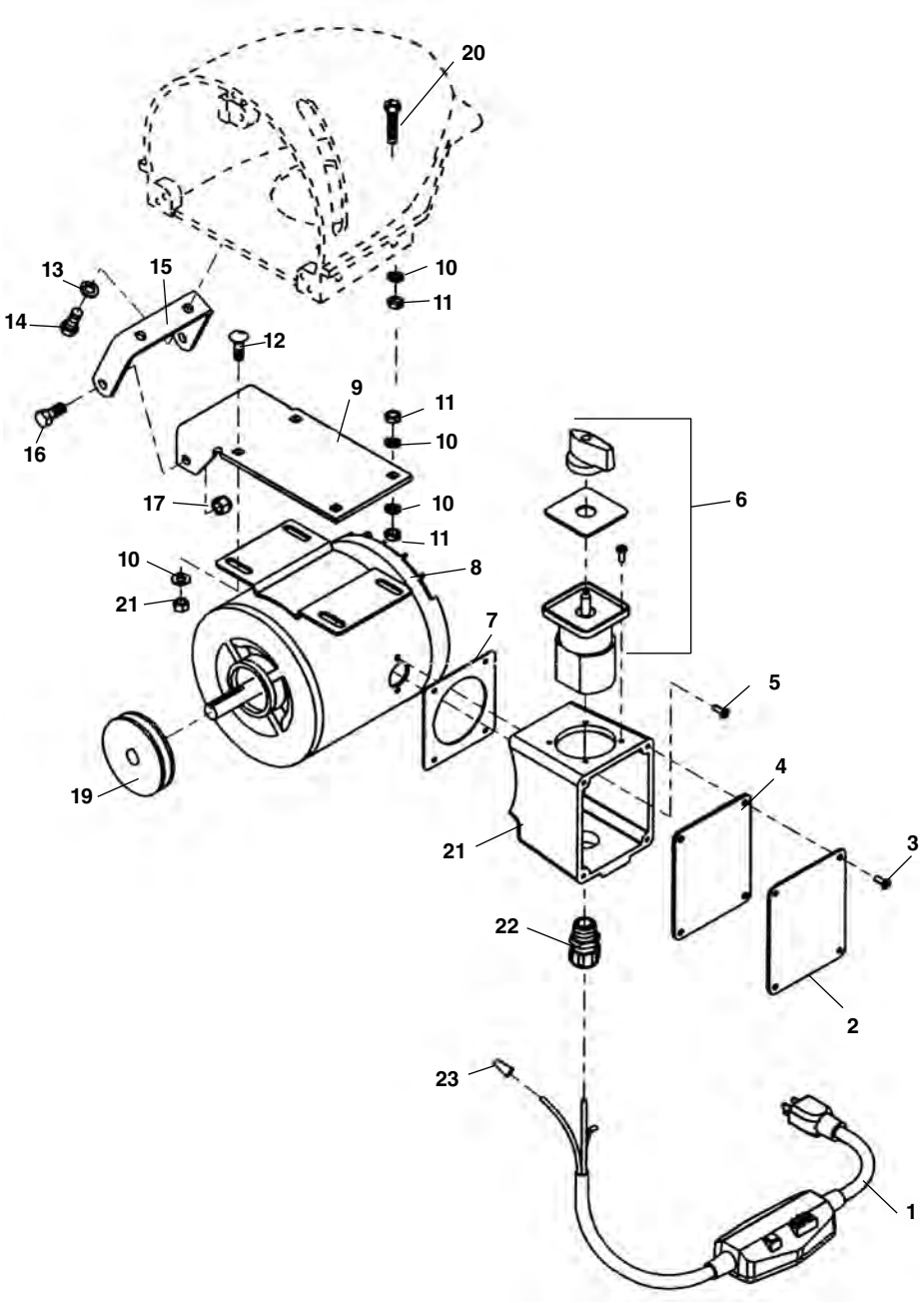
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	50507	Line Cord w/GFCI
2	23507	Rubber Boot
3	61490	Switch Guard
4	23512	Rubber Washer
5	23612	Switch
6	23687	FOR-REV Decal
7	23517	Motor 1/2 Hp 120V 60Hz (K-75)
	23522	Motor 3/4 Hp 120V 60Hz (K-1500)
	50567	Motor 3/4 Hp 220/240V 50Hz (K-1500)
8	54582	Motor Table
9	60080	Lock Washer 5/16" (2)
10	61115	Jam Nut 5/16" - 18 (2)

Ref. No.	Catalog No.	Description
11	96260	Carriage Bolt 5/16" - 18 x 3/4" (3)
12	23642	Motor Bracket
13	60085	Lock Washer (2)
14	60380	Screw (2)
15	59785	Screw (2)
16	43947	Lock Nut 3/8" - 16 (2)
17	60230	Hex Nut 5/16" - 18 (3)
18	23582	Pulley (K-1500)
	23587	Pulley (K-75)
19	43847	Hex Screw 5/16" - 18 x 1 1/2"
20	96265	Strain Relief
21	44635	Wire Nut

K-1500ASP
K-1500BSP

Motor Components

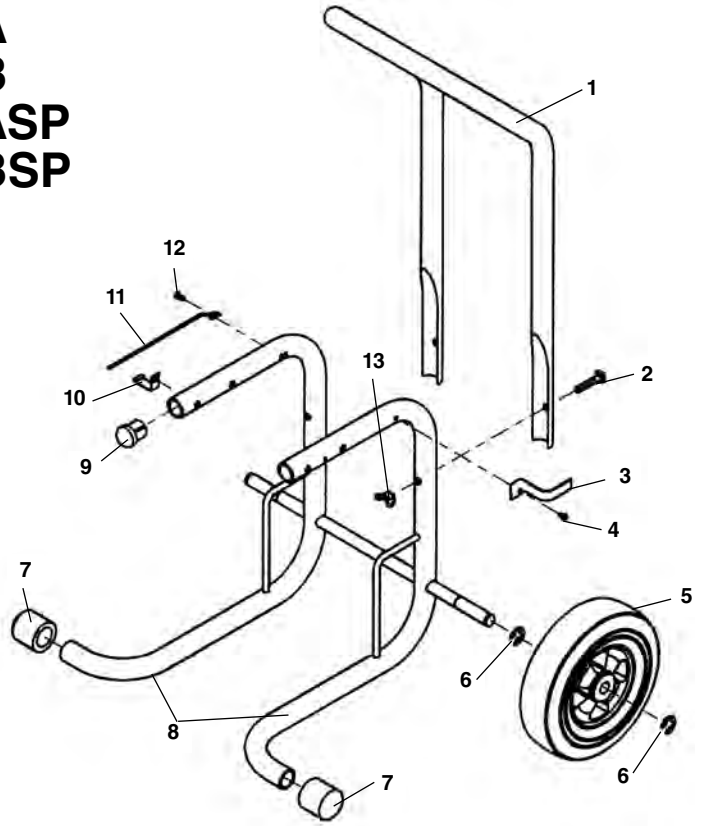


NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	50502	Line Cord w/GFCI
	45022	Line Cord 110V – U.K.
	39562	Line Cord – Europe
	15707	Line Cord – Export
2	45272	Cover Plate
3	59990	Screw #10
4	45267	Cover Plate Gasket
5	43932	A-2256 Screw (2)
6	20113	Switch Assembly (Includes Ref. No. 6-8)
7	45257	Switch Box Gasket
8	45237	Motor 1 HP 120/220/240V 50/60Hz
9	54582	Motor Table
10	60080	Lock Washer 5/16" (6)
11	61115	Jam Nut 5/16" - 18 (3)
12	96260	Carriage Bolt 5/16" - 18 x 3/4" (3)
13	60085	A-2290 Lock Washer (2)
14	60380	A-2481 Screw (2)
15	23642	Motor Bracket
16	59785	A-210 Screw (2)
17	43947	Lock Nut 3/8" - 16 (2)
18	60230	Hex Nut 5/16" - 18 (3)
19	45227	Pulley
20	43757	Hex Screw 5/16" - 18 x 2"
21	45262	Switch Box
22	36732	Strain Relief
23	44635	Wire Nut

K-75A
K-75B
K-1500A
K-1500B
K-1500ASP
K-1500BSP

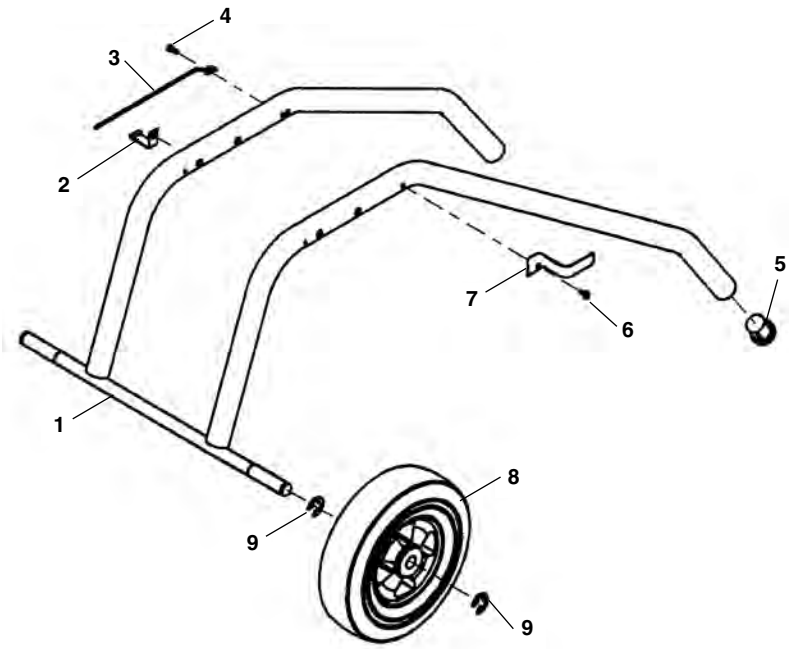
A Frame



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

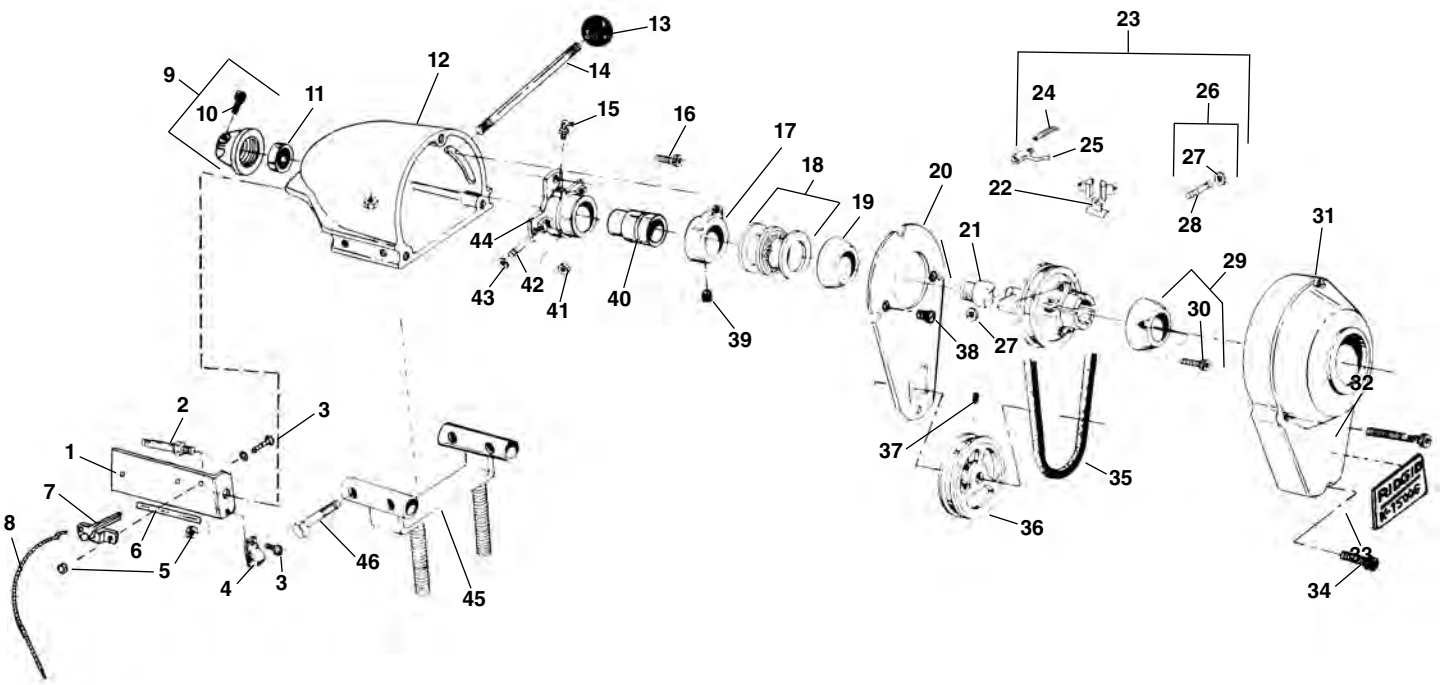
Ref. No.	Catalog No.	Description
1	23537	Handle (Type "A")
2	23617	Bolt (2)
3	61965	Cord Hook w/Screw (2)
4	61500	A-427 Screw (2)
5	23602	Wheel (K-75, K-1500) (2)
	23597	Wheel (SP Models Only) (2)
6	60050	A-2281 Retaining Ring (4)
7	23607	Leg End Cap (2)
8	23532	Frame Assembly
9	61470	A-394 Rubber Plug (2)
10	23647	Tool Clip Bracket
11	23622	Tool Clip
12	59990	A-2256 Screw
	45217	A-7875 Screw (SP Models Only)
13	45385	E-3328 Wing Nut (2)

B Frame



Ref. No.	Catalog No.	Description
1	23672	Frame Assembly
2	23647	Tool Clip Bracket
3	23622	Tool Clip
4	59990	A-2256 Screw
	45217	A-7875 Screw (SP Models Only)
5	61470	A-394 Rubber Plug (2)
6	61500	A-427 Screw (2)
7	61965	Cord Hook w/Screw (2)
8	23602	Wheel (K-75, K-1500) (2)
	23597	Wheel (SP Models Only) (2)
9	60050	A-2281 Retaining Ring (4)

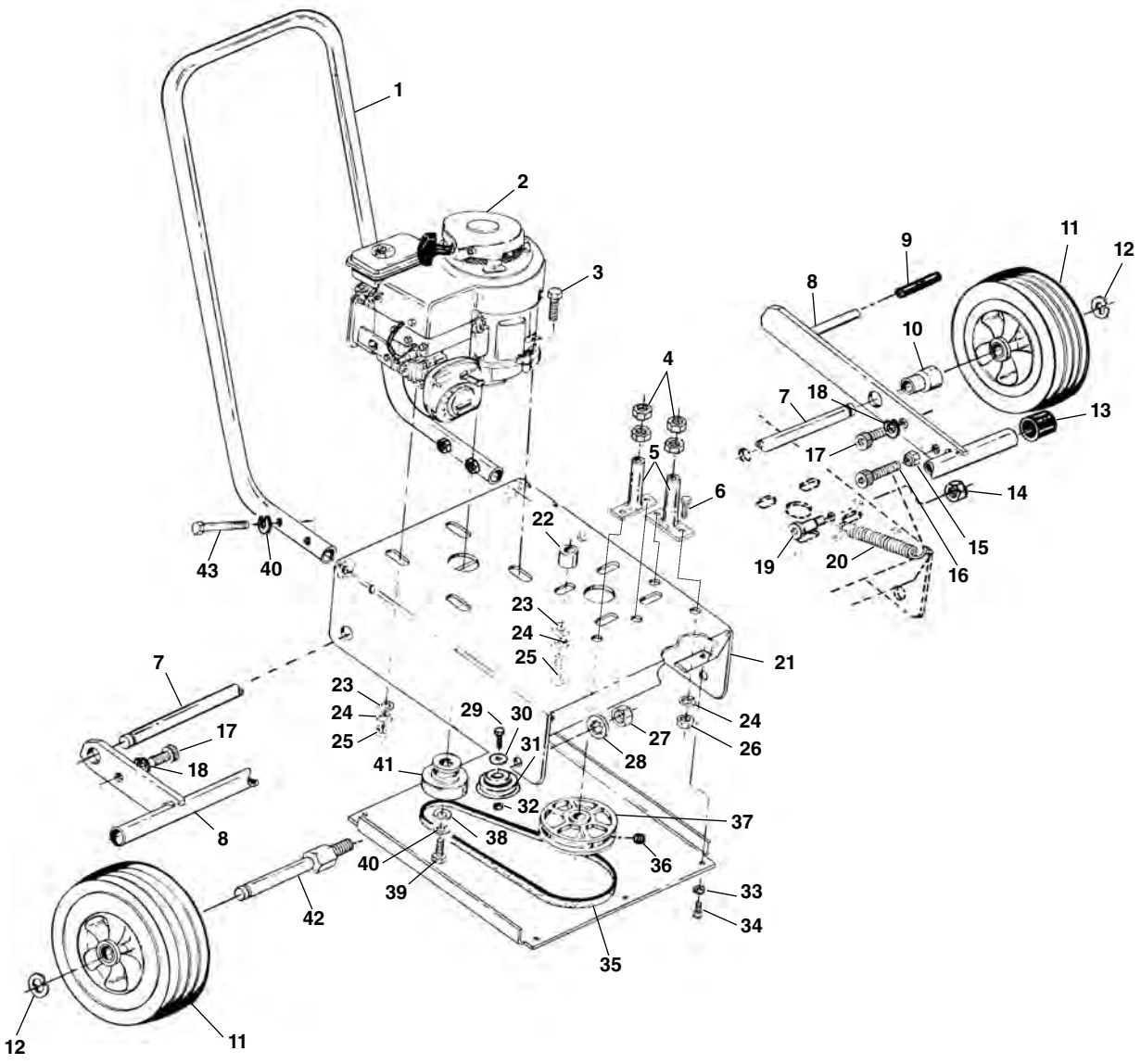
Main Drive and Body Components



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

Ref. No.	Catalog No.	Description
1	43692	Splash Guard
2	59580	Guide Hose Pin (2)
3	87975	R.H. Screw 10-24 x 5/8" (4)
4	43697	Cable Clamp (2)
5	87970	Nut 10 - 24 (4)
6	59282	Engine Throttle Decal
7	58937	Lever Assy. - Throttle Control
8	58942	Throttle Cable
9	60935	Lock and Adj. Nut (Incl. #7)
10	60910	Soc. Hd. Screw 1/4" - 20 x 5/8"
11	60930	Ball Bearing
12	43702	Body
13	59585	Knob
14	59575	Clutch Handle
15	89815	Grease Fitting
16	68875	F.H. Screw 5/16" - 18 x 1" (3)
17	23557	Clutch Casting
18	23677	Thrust Bearing Assembly
19	23572	Clutch Cone
20	43712	Inside Guard
21	23562	Pulley and Shaft Assembly
22	59325	7/8" Jaw Assembly
	59320	1 1/4" Jaw Assembly
23	60145	Rocker Arm Kit
24	60155	Spring (3)
25	59530	Rocker Arm Set
26	60150	Rocker Arm Pin w/Clip (3)
27	78780	E-3562 Retaining Ring (3)
28	90105	Pin (3)
29	59500	Nose Piece
30	84425	Screw (2)
31	23547	Front Guard
32	23652	Soc. Hd. Screw 1/4" x 2 3/4" (3)
33	43717	Label
34	44510	Soc. Hd. Screw 1/4" - 20 x 2"
35	43722	V-Belt - Cable
36	43727	Pulley - Cable
	91002	Pulley - (Tecumseh Transmission)
37	60025	Set Screw (2)
38	60265	Hex Screw 1/4" - 20 x 1/2" (2)
39	93560	Pan Screw 1/4" - 20 x 5/8"
40	84435	Bronze Bushing
41	61015	Roller (2)
42	23592	Pin (2)
43	34175	Retaining Ring (2)
44	45247	Main Bearing with Bronze Bushing
45	43762	Mounting Bracket
	91022	Mounting Bracket (Tecumseh Transmission)
46	43757	Hex Head Screw (4)

Main Drive and Body Components



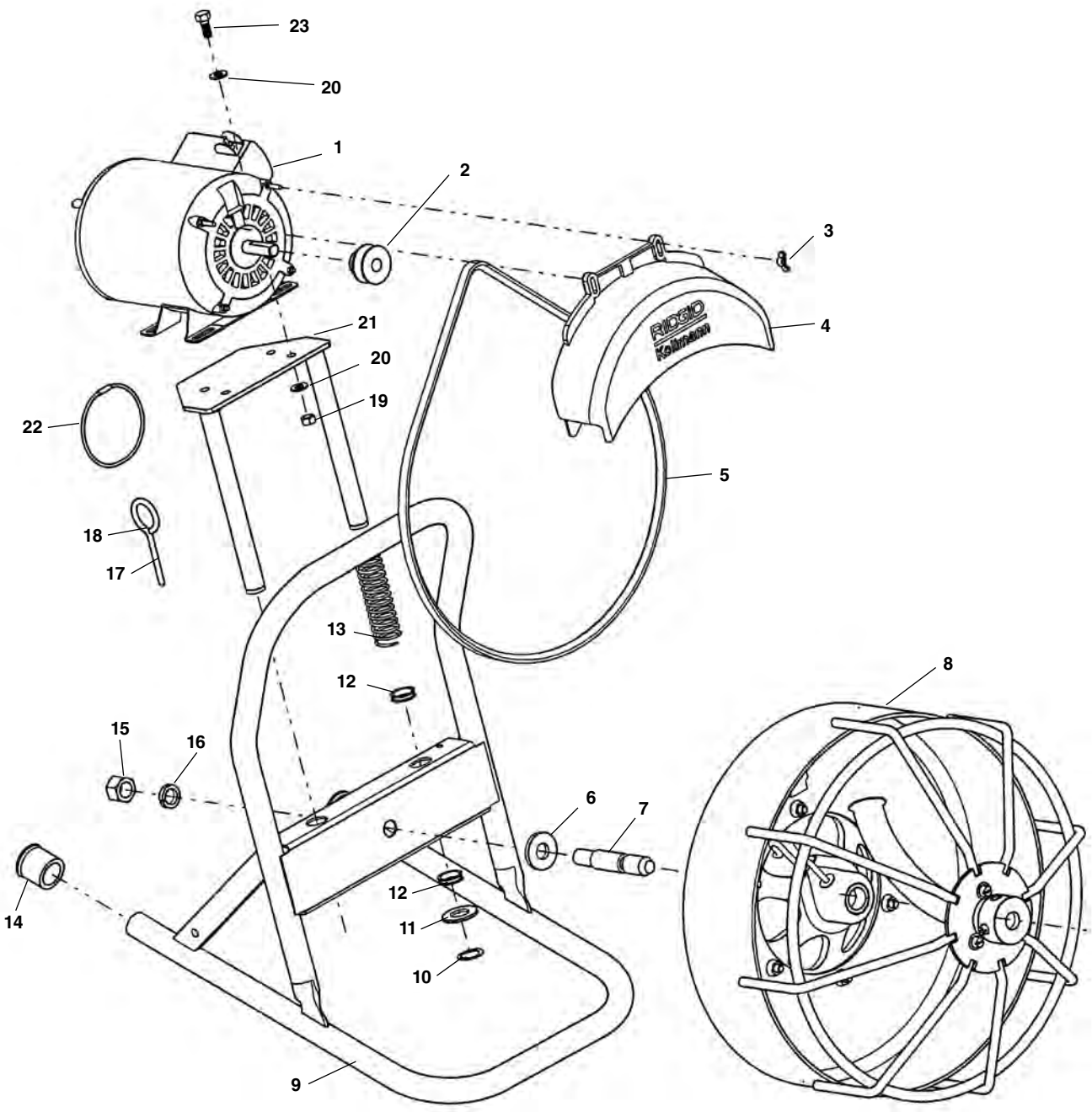
NOTE: Order parts by Catalog Number Only
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	43752	Handle Assembly
2	66977	Engine/6HP
3	60515	Hex Hd. Screw 5/16" - 18 x 1 1/4" (4)
4	43827	Hex Nut 1" - 8 (4)
5	43822	Mounting Bracket Supports (2)
	91292	Left Mounting Bracket (Tecumseh)
6	91302	Hex Hd. Screw 5/16" - 18 x 3/4" (4)
7	43842	Rear Axle
8	43787	Stabilizer Assembly
9	61605	Handle Grip
10	43792	Spacer - Axle (2)
11	23597	Wheel (4)
12	60050	Retaining Ring (4)
13	23607	End Cap (2)
14	80370	Hex Nut 1/4" - 20 (2)
15	43747	Lock Nut 3/8" (4)
16	60805	Hex Hd. Screw 3/8" - 16 x 1 1/2" (2)
17	96900	SHCS 3/8" - 16 x 1/2" (2)

Ref. No.	Catalog No.	Description
18	43807	Lock Washer 3/8" (2)
19	84680	Shld Screw 5/16" x 1/2" (2)
20	43812	Extension Spring (2)
21	43817	Base Assembly
	91312	Base Assembly (Tecumseh)
22	43852	Spacer-Trans. (4)
	91297	Trans. Spacer (Tecumseh)
23	60060	Flat Washer 5/16" (8)
24	61445	Ext. Lock Washer 5/16" (12)
25	43847	Hex Nut 5/16" - 18 x 1/12" (4)
26	60230	Hex Nut 5/16" - 18 (8)
27	61455	Hex Nut 1/2" -13 (2)
28	60090	Lock Washer 1/2" (2)
29	23617	3/8" - 16 x 2" Carriage Screw
30	59970	3/8" Flat Washer
31	66962	Idler Pulley
32	43947	3/8" Lock Nut
33	61310	Lock Washer #10 (6)

Ref. No.	Catalog No.	Description
34	60000	Rd. Head Screw 10-32 x 3/8" (6)
35	60130	"V" Belt/5HP
35	66967	"V" Belt/6HP
36	60025	Set Screw
37	43832	Pulley - Trans
	91017	Pulley (Tecumseh)
38	61275	Washer 3/8"
39	61435	Hex Screw 3/8" x 1-1 1/4"
40	60085	Lock Washer 3/8" (4)
41	61380	Clutch
42	43837	Front Axle
43	76870	Hex Head Screw 3/8" - 16 x 2 1/4" (5)
Not Shown		
44	91307	Tecumseh Transmission
45	91012	Tecumseh Shift Adapter
46	91007	Tecumseh Indicator Bracket

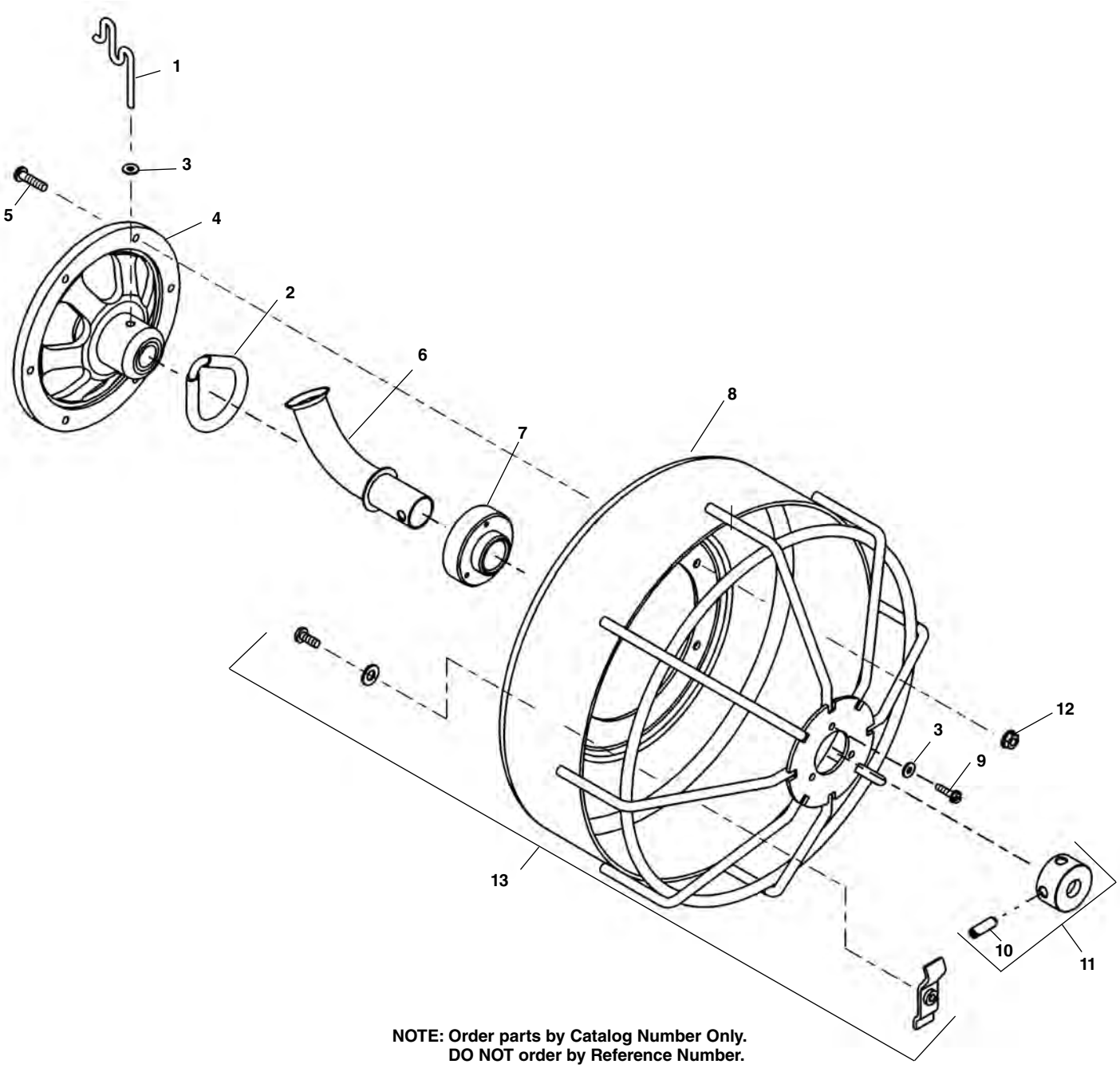
Main Components



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

Ref. No.	Catalog No.	Description
1	37977	Motor Assy 120V 60Hz
2	33082	Motor Pulley
3	39557	Wing Nut (2)
4	39767	Belt Guard
5	37872	Drive Belt
6	47077	Drum Axle Washer
7	37937	Drum Axle
8	84517	Drum Assembly
9	37942	Frame
10	37947	Spiral Ring (2)
11	37897	Nylon Washer (2)
12	37952	Nylon Grommet (4)
13	84512	Spring (2)
14	37962	Rubber End Cap (2)
15	13617	Hex Nut $^{5}/_{8}$" - 11
16	46682	Lock Washer $^{5}/_{8}$"
17	59230	$^{3}/_{8}$" Cable Pin Key
18	59225	$^{1}/_{2}$" Cable Pin Key
19	96730	Hex Nut $^{5}/_{16}$" - 18 (4)
20	96740	Flat Washer $^{5}/_{16}$" (4)
21	33087	Motor Mount
22	54562	Tool Holder
23	61130	Hex Bolt

Drum Assembly

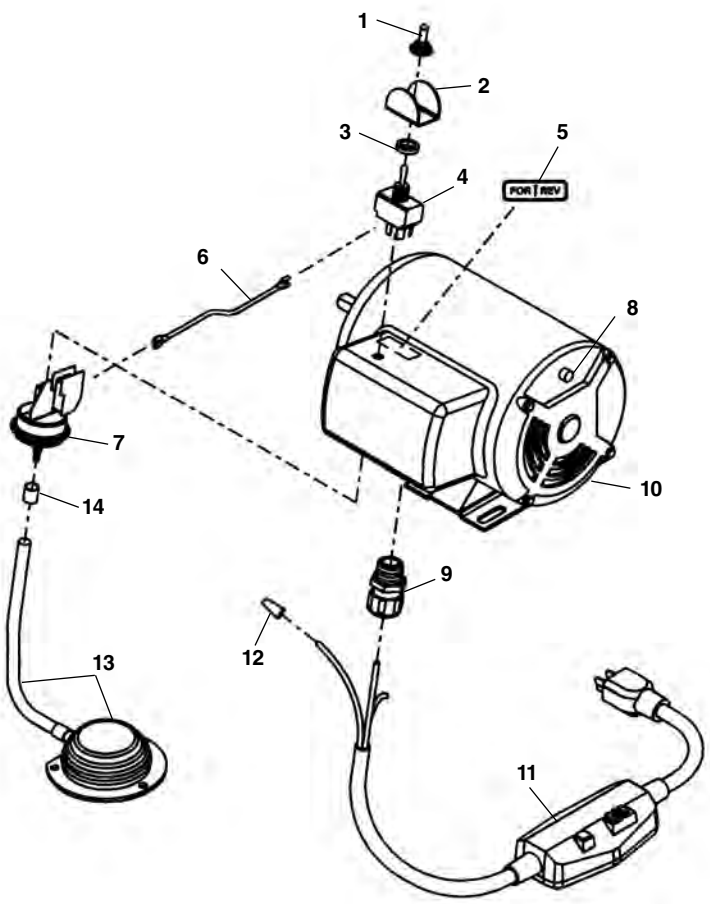


NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	84517	Drum Assembly
1	44872	Drum Retainer
2	37882	Retainer Spring
3	45365	#10 Flat Washer (4)
4	37927	Drum Hub
5	37932	Cinch Stud 1/4" - 20 x 1″ (6)
6	37922	Guide Tube
7	37917	Sleeve Bushing
8	84527	Drum
9	37907	Slotted Hex Screw #10 x 3/4" (3)
10	39582	Set Screw 5/16" - 18 x 1"
11	37912	Set Collar Assembly
12	47297	Flange Nut 1/4" - 20 (6)
13	56147	Cable Clamp Assembly

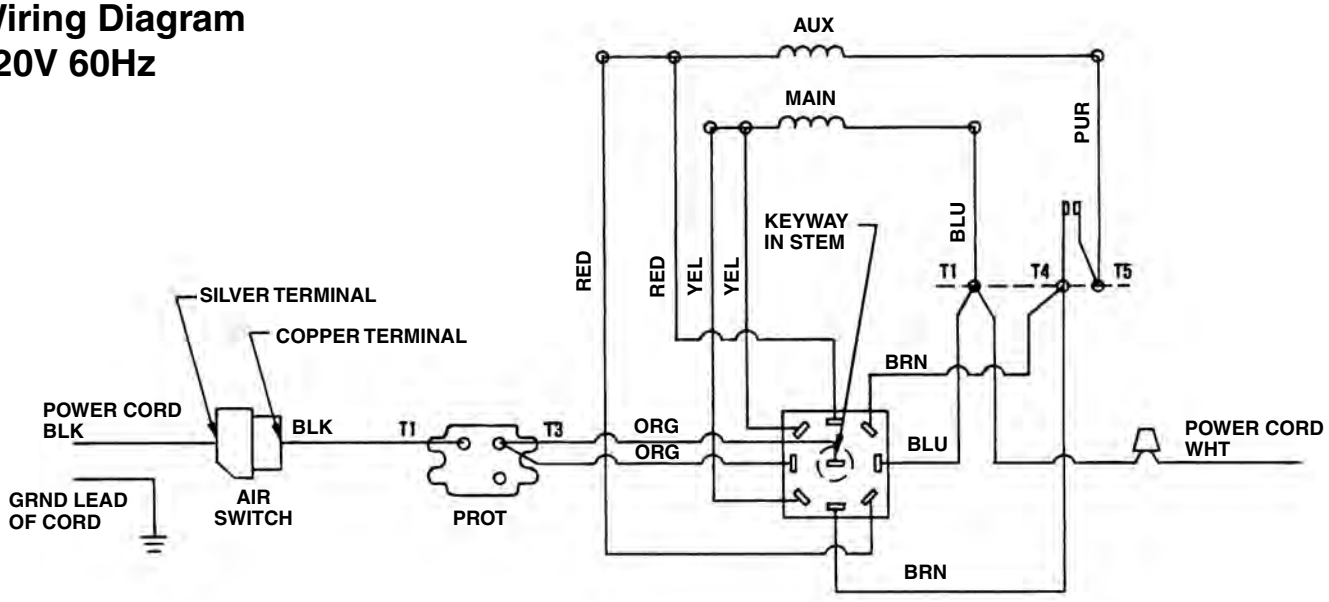
120V 60 Hz Motor

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

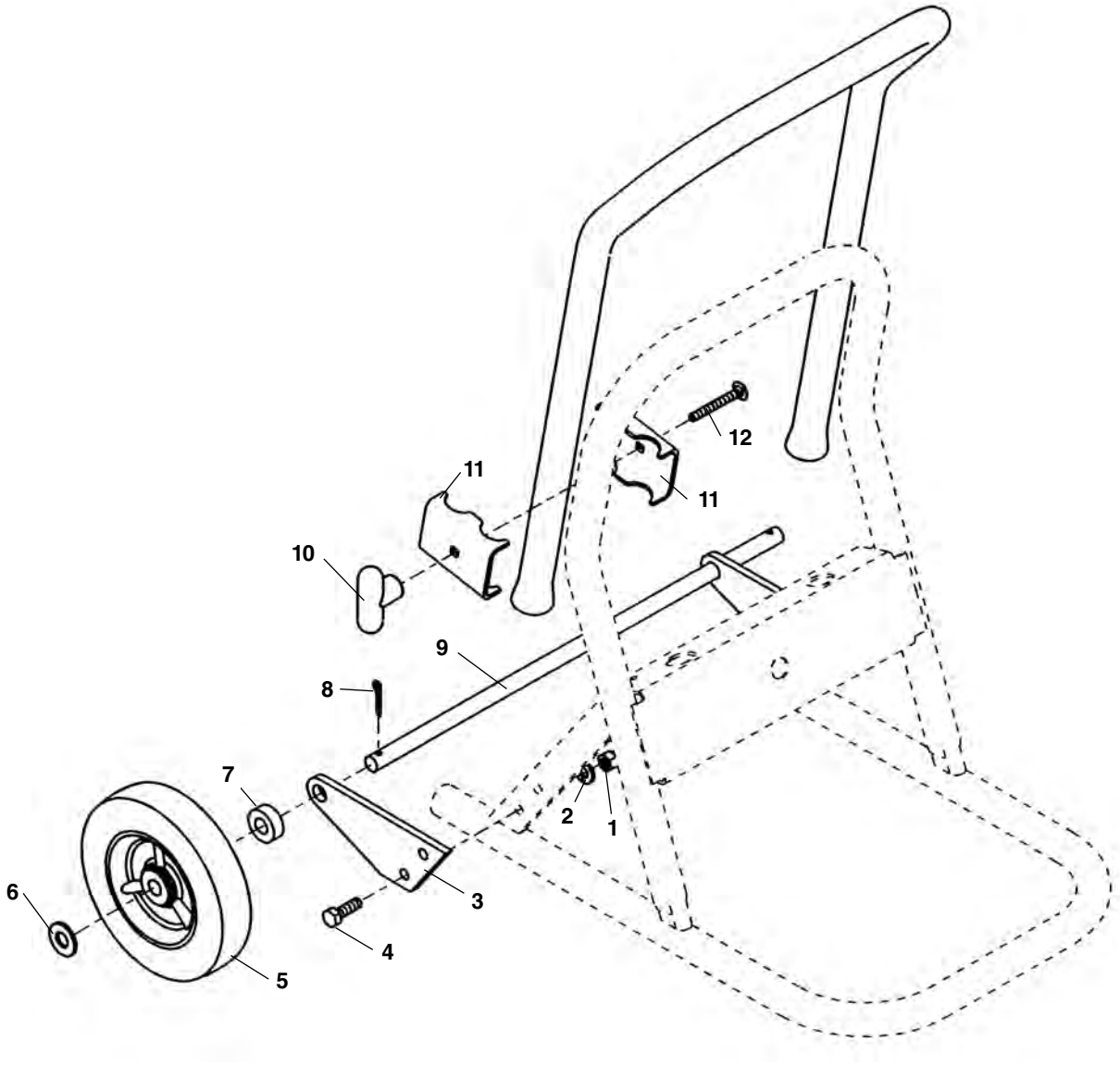


Ref. No.	Catalog No.	Description
1	23507	Rubber Boot
2	61490	Switch Guard
3	23512	Rubber Washer
4	41817	Switch
5	23687	FOR/REV Label
6	44877	Lead Wire Assembly
7	32992	Air Switch
8	67412	Thermal Overload
9	96265	Strain Relief
10	37977	120V 60Hz Motor Assembly (Includes Ref. No. 1 - 9)
	44702	220/240V 50Hz Motor Assy. (Includes Ref. No. 1-9)
11	50507	120V Power Cord w/GFCI
	15707	220V Power Cord
12	44635	Wire Nut
13	37967	Foot Switch Assembly
14	35142	Hose Clamp

Wiring Diagram 120V 60Hz



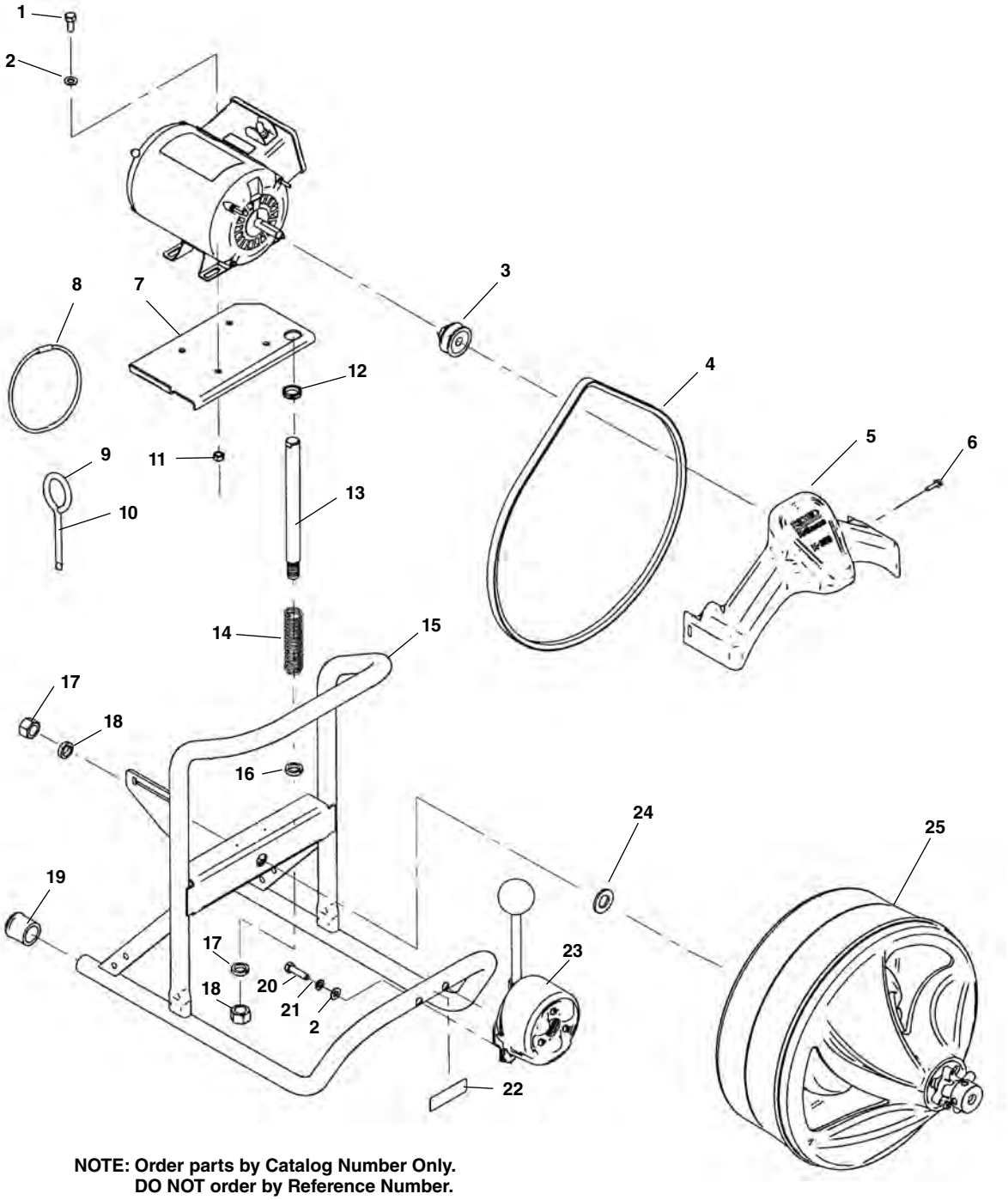
Transportation Cart Assembly



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

Ref. No.	Catalog No.	Description
—	59782	Cart Assembly
1	60230	Hex Nut 5/16" (4)
2	60080	Lock Washer 5/16" (4)
3	60837	Axle Bracket (2)
4	44590	Screw 5/16"-18 x 1" (4)
5	60842	Wheel (2)
6	60847	Flat Washer 1/2" (2)
7	60852	Axle Spacer (2)
8	47030	Cotter Pin 1/8" x 1" (2)
9	60857	Axle
10	60862	T-Knob (2)
11	60867	Adjustment Bracket (4)
12	60872	Carriage Bolt 1/4" - 20 x 2" (2)
13	60877	Handle

Main Components



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

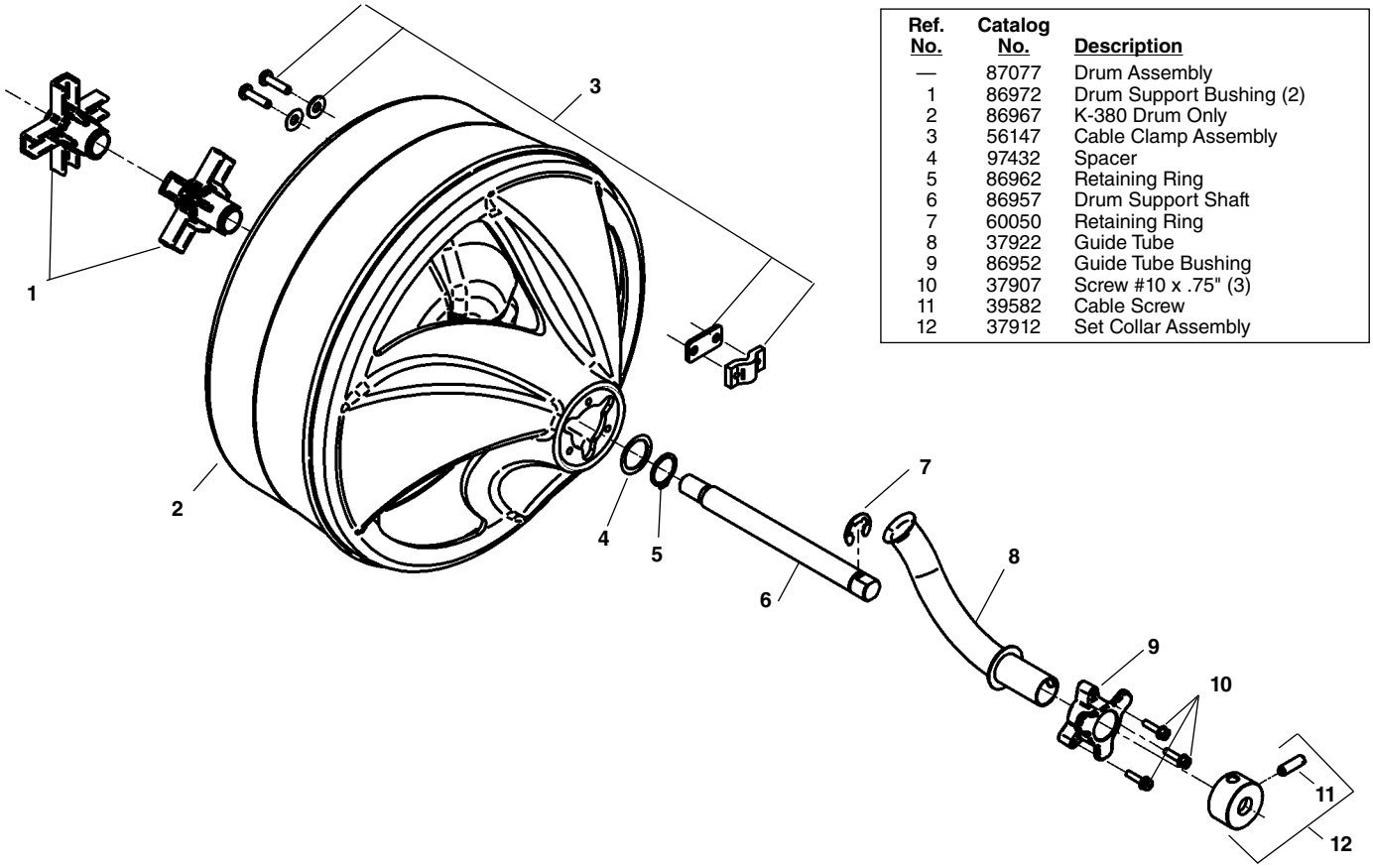
Ref. No.	Catalog No.	Description
1	61130	Hex Screw 5/16" - 18 x 3/4" (4)
2	60065	Flat Washer 5/16" (6)
3	86987	Pulley w/Set Screw
4	86977	Belt
5	86982	Belt Guard
6	37907	#10 Screw (5)
7	86992	Motor Base Plate
8	54562	Tool Holder
9	59230	3/8" Pin Key
10	59225	1/2" Pin Key
11	27517	Lock Nut (4)
12	37952	Split Grommet
13	86997	Spring Support Shaft

Ref. No.	Catalog No.	Description
14	87002	Compression Spring
15	87007	K-380 Frame
16	21963	Spacer (Europe & U.K. Only)
17	13617	5/8" - 11 Nut
18	46682	5/8" Lockwasher
19	37962	Rubber Tip (2)
20	60515	Hex Screw .31" - 18 x 1.25" (2)
21	60080	11/32" Lockwasher (2)
22	87012	K-380 Label
23	87337	K-380 Power Feed Assembly
24	41790	Flat Washer
25	87077	K-380 Drum Assembly

Drum Assembly

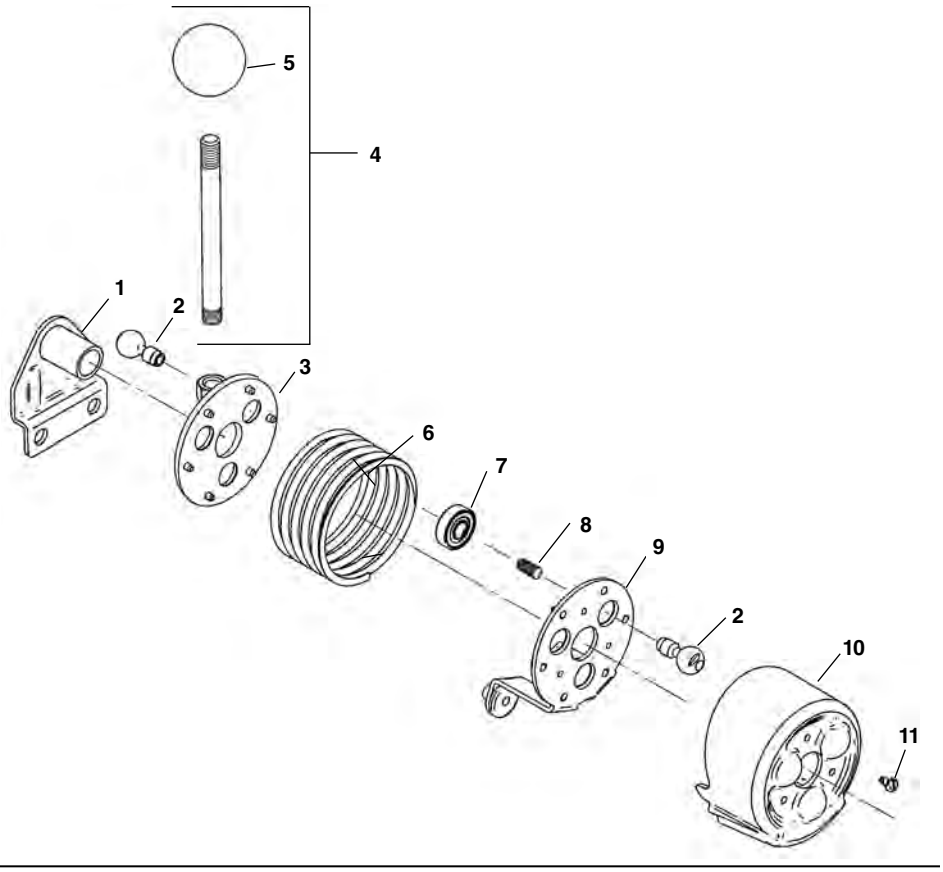
NOTE: Order parts by Catalog Number Only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	87077	Drum Assembly
1	86972	Drum Support Bushing (2)
2	86967	K-380 Drum Only
3	56147	Cable Clamp Assembly
4	97432	Spacer
5	86962	Retaining Ring
6	86957	Drum Support Shaft
7	60050	Retaining Ring
8	37922	Guide Tube
9	86952	Guide Tube Bushing
10	37907	Screw #10 x .75" (3)
11	39582	Cable Screw
12	37912	Set Collar Assembly

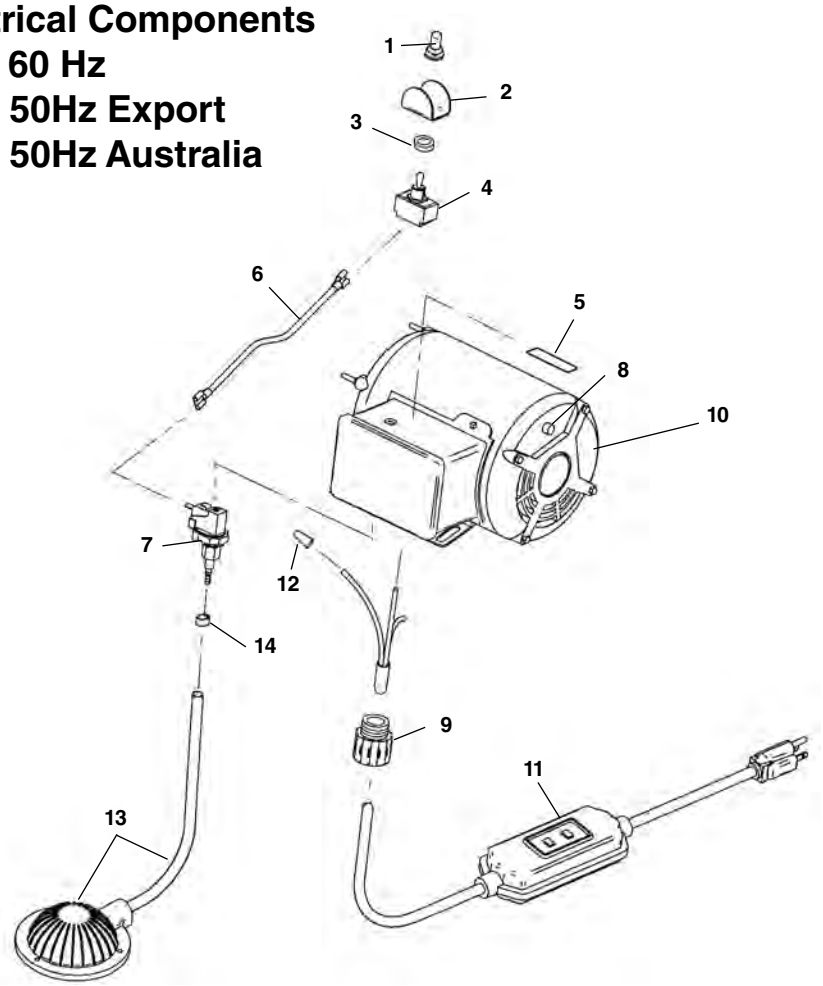


AUTOFEED® Assembly

Ref. No.	Catalog No.	Description
—	26773	AUTOFEED® Assembly
1	87627	Mounting Bracket
2	87607	Roller Shaft (6)
3	87622	Back Plate
4	93630	Clutch Handle
5	59585	Ball for Handle
6	87617	Spring
7	44077	Ball Bearing (3)
8	41502	Set Screw 5/16" - 18 x 3/4" (3)
9	87612	Front Plate
10	87632	AUTOFEED® Cover
11	45420	Screw 10 - 24 x 3/8" (3)



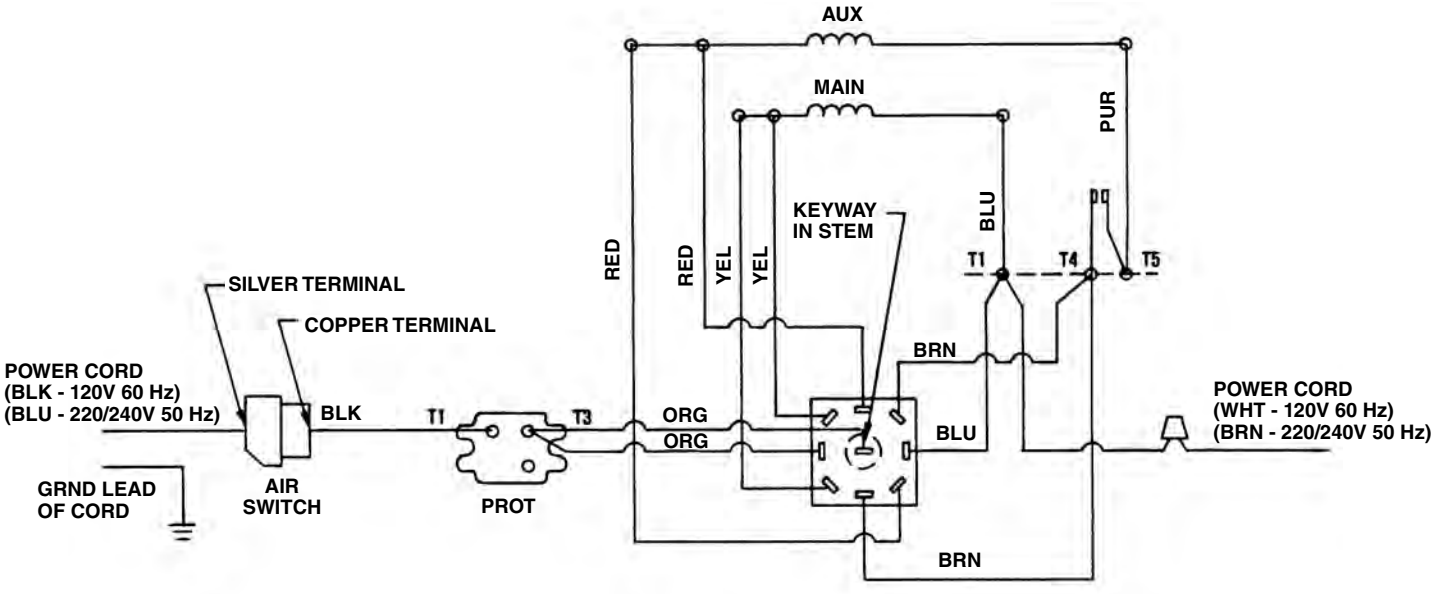
Electrical Components
120V 60 Hz
220V 50Hz Export
240V 50Hz Australia



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

Ref. No.	Catalog No.	Description
1	23507	Rubber Boot
2	61490	Switch Guard
3	23512	Rubber Washer
4	41817	Switch
5	23687	FOR/REV Label
6	44877	Lead Wire Assembly
7	32992	Air Switch
8	67412	Thermal Overload
9	96265	Strain Relief
10	37977	120V 60Hz Motor Assembly (Includes Ref. No. 1 - 9)
	45292	220V 50Hz Motor Assy. – Export (Includes Ref. No. 1 - 9)
	44702	240V 50Hz Motor Assy. – Australia (Includes Ref. No. 1 - 9)
11	50507	120V Power Cord w/GFCI
	15707	220V Power Cord – Export
	35692	240V Power Cord – Australia
12	44635	Wire Nut
13	37967	Foot Switch Assembly
14	35142	Hose Clamp

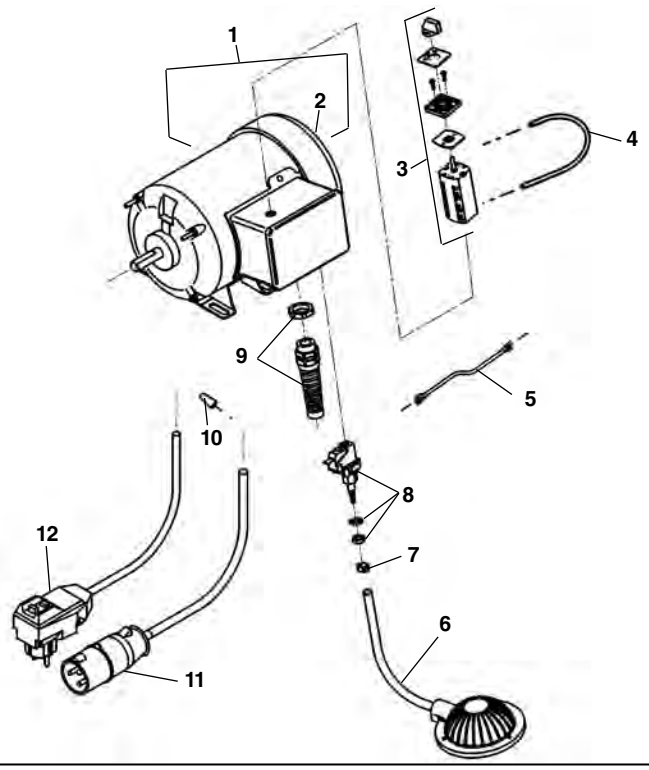
Wiring Diagram



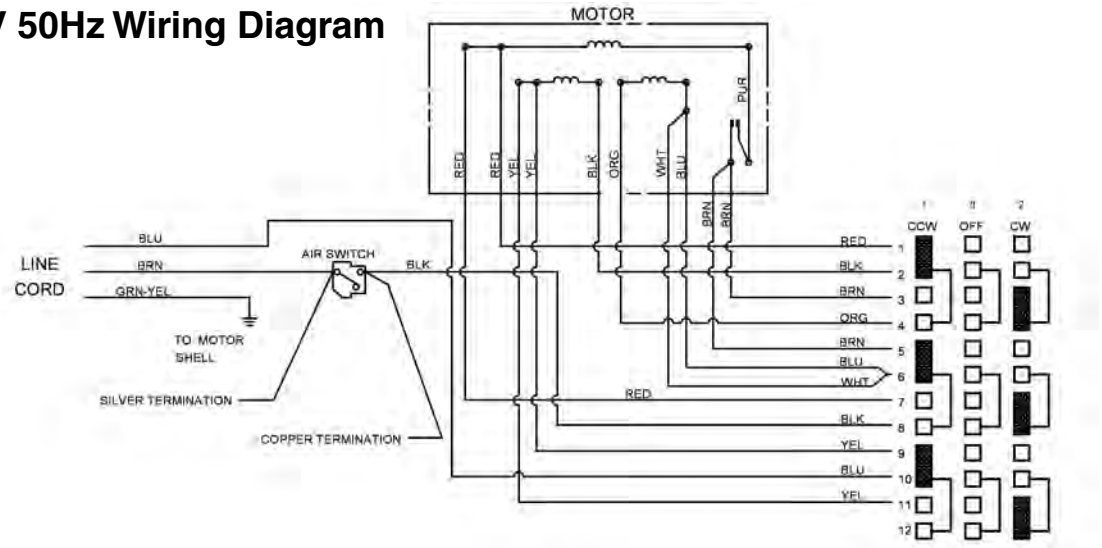
Electrical Components Europe & U.K.

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

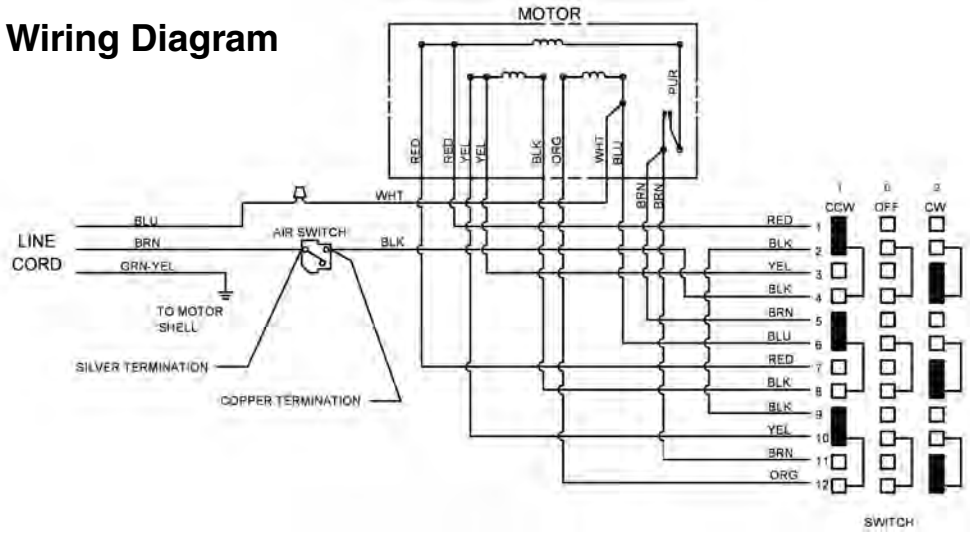
Ref. No.	Catalog No.	Description
1	44712	110/220/240V 50Hz Motor Assy.
2	67417	Thermal Overload
3	20143	Switch
4	44882	Jumper Wire Assembly
5	44877	Lead Wire Assembly
6	37967	Foot Switch Assembly
7	35142	Hose Clamp
8	32992	Air Switch
9	27187	Strain Relief
10	44635	Wire Nut
11	65842	220V Power Cord (Europe)
12	45022	110V Power Cord (U.K.)



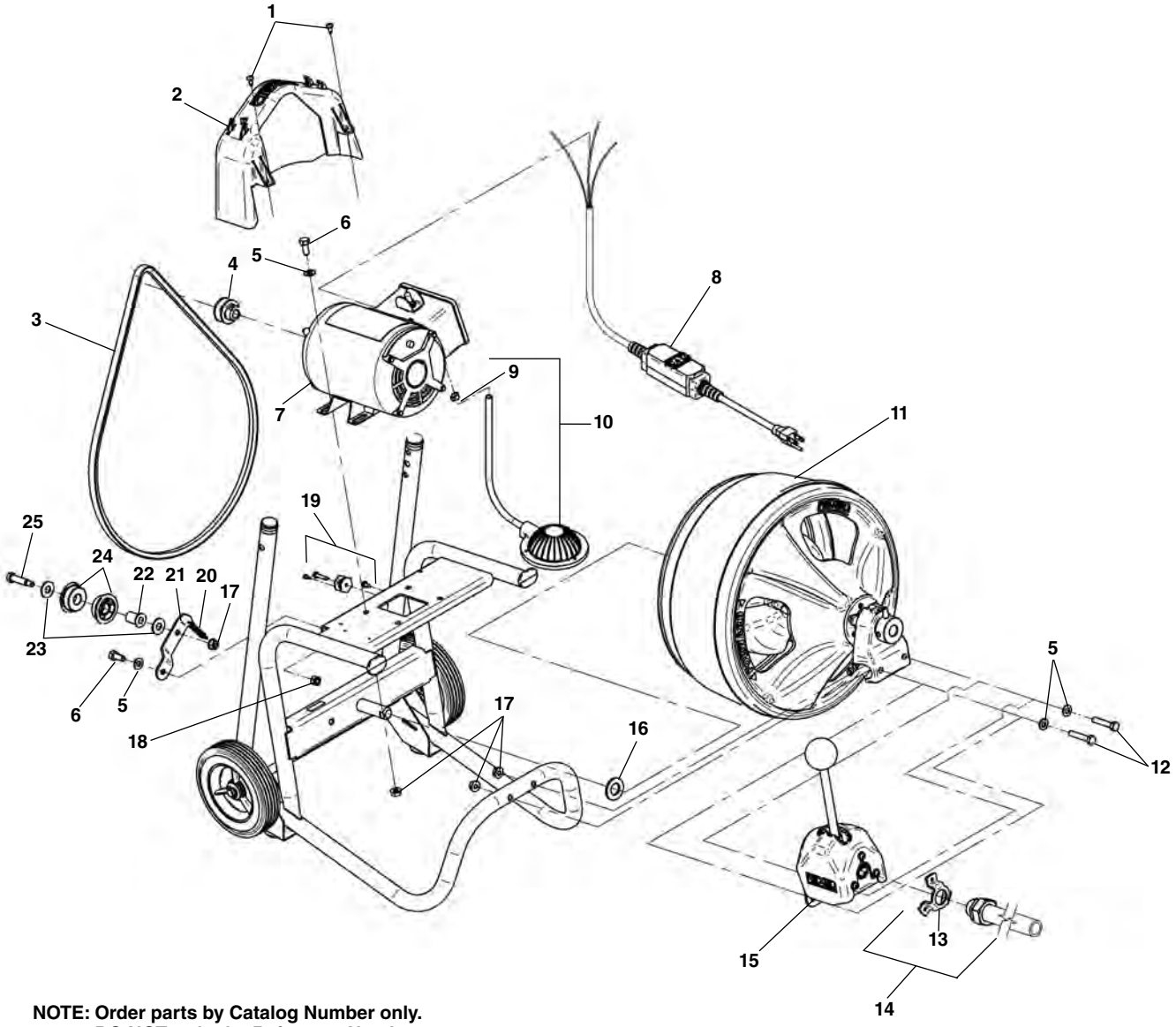
220/240V 50Hz Wiring Diagram



110V 50Hz Wiring Diagram



Main Components - Type 2

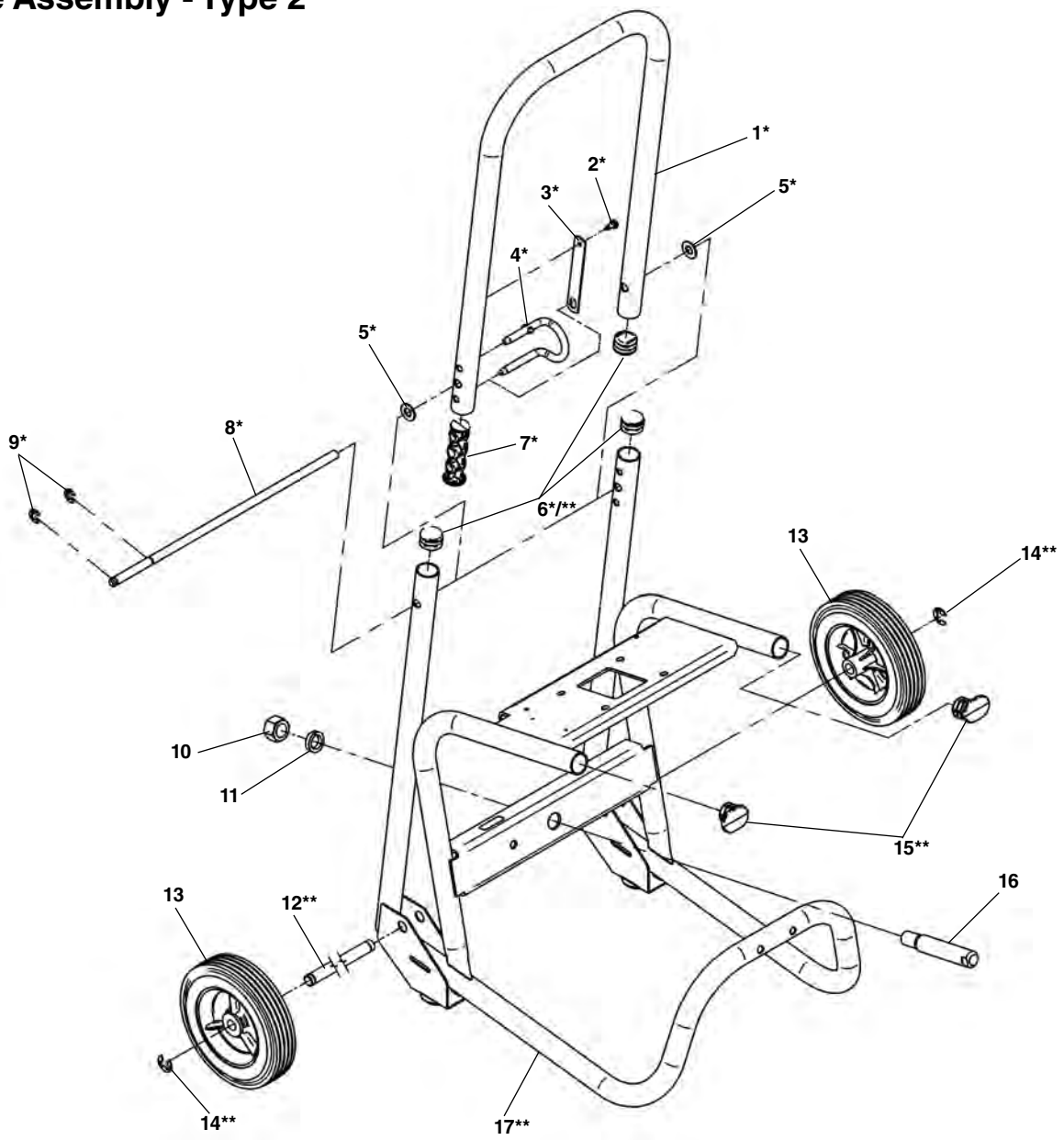


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	68937	Screw #10-24 (3)
2	27483	Belt Guard
3	27498	V-Belt
4	27513	Pulley
5	60065	Flat Washer 5/16" (7)
6	59785	Hex Screw 5/16"-18 x 3/4" (5)
7	53333	Motor 120V 60Hz
	27623	Motor 220/240V 50Hz
	27583	Motor 220V 50Hz Europe
8	50497	GFI Power Cord 120V 60Hz
	15707	Power Cord 220V Export
	15692	Power Cord 240V Australia
	65842	Power Cord 220V Europe
9	35142	Hose Clamp
10	37967	Foot Switch

Ref. No.	Catalog No.	Description
11	27048	Drum Assembly
12	91302	Hex Screw 5/16"-18 x 1 3/4" (2)
13	27603	Guide Hose Mounting Bracket
14	26778	Guide Hose Assembly
15	52343	AUTOFEED® Assembly
16	27608	Spacer
17	27517	Lock Nut 5/16" (3)
18	27508	Hex Nut 5/16"
19	30728	Torque Limiter Assy.
20	27523	Spring
21	27533	Pulley Bracket
22	27493	Flange Bushing
23	33082	Flat Washer 3/8" (2)
24	27488	Idler Pulley (2)
25	33627	Shoulder Screw 3/8" x 1 1/4"

Frame Assembly - Type 2



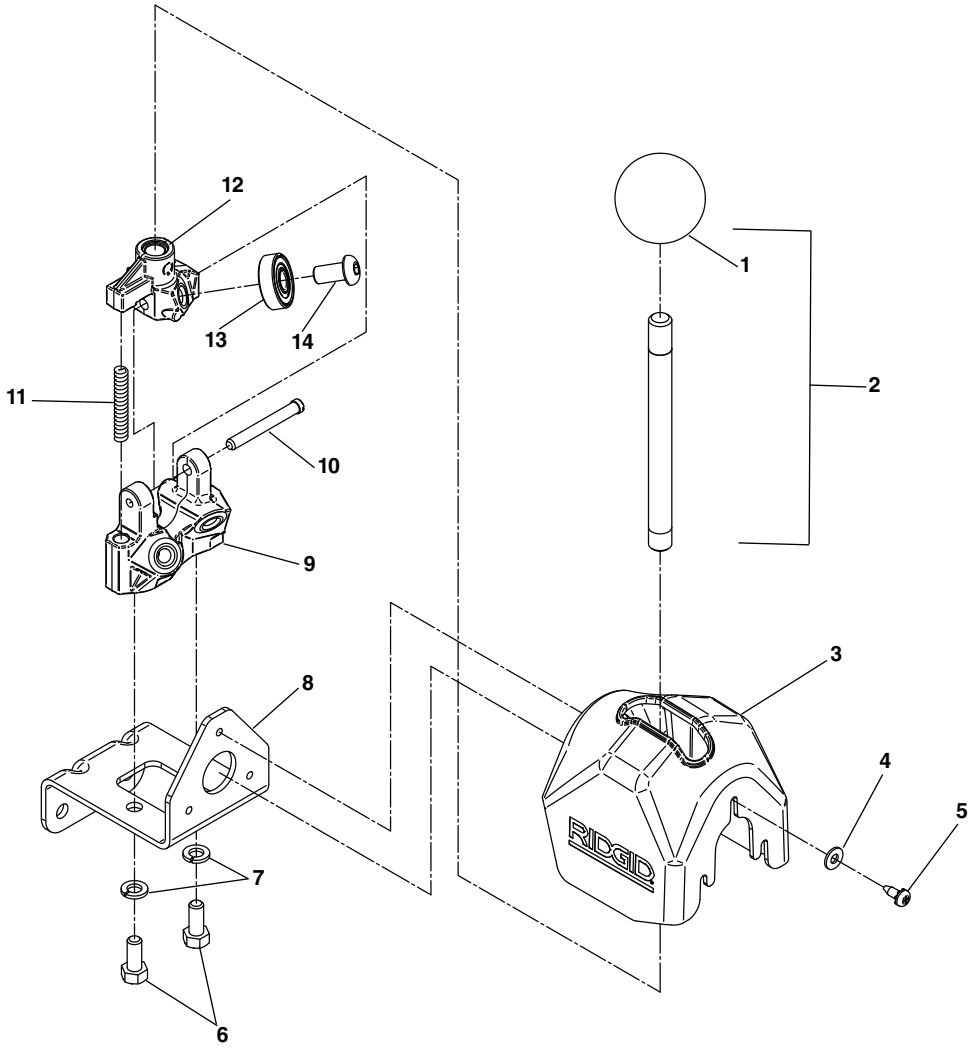
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1*	53323	Handle Only
	53518	Handle Assembly Complete
2*	68937	Screw, #10-24 Pan Head
3*	53318	Flat Spring
4*	53313	Bent Pull Pin 5/16"
5*	59970	Flat Washer 3/8" (2)
6*/**	27558	Plug 1" (3)
7*	27588	Bushing
8*	53353	Handle Axle

Ref. No.	Catalog No.	Description
9*	34245	Retaining Ring (2)
10	13617	Hex Nut 3/8" - 11
11	46682	Lock Washer 5/8"
12**	27518	Wheel Axle
13	60842	Wheel (2)
14**	59810	Retaining Ring (2)
15**	53348	Cord Wrap Cap (2)
16	27463	Drum Shaft
17**	53398	Frame Assembly

* Included With 53518 Handle Assembly Complete
** Included With 53398 Frame Assembly

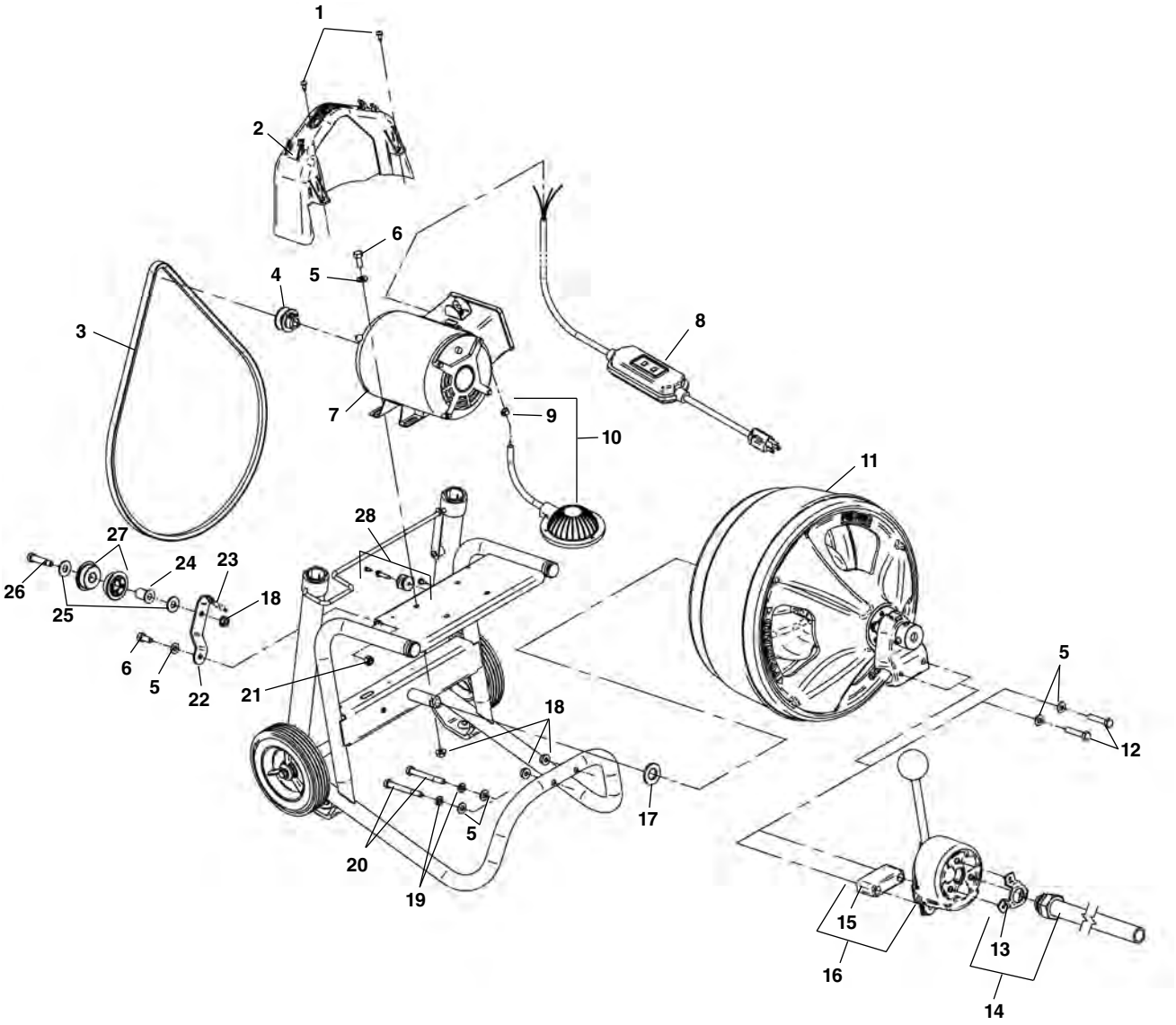
AUTOFEED® Assembly - Type 2



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

Ref. No.	Catalog No.	Description
—	52343	K400 Autofeed Assembly
1	59585	Ball for Handle
2	93630	Clutch Handle
3	53358	Cover
4	43357	Flat Washer #10 (3)
5	68937	Screw #10 x ½" (3)
6	61130	Screw ⅝-18 x ¾ Hex (2)
7	60080	Lock Washer ⅝" (2)
8	53383	Mounting Bracket
9	53378	Bottom Roller Housing
10	53373	Hinge Pin ¼-20
11	53368	Spring
12	53363	Top Roller Housing
13	44760	Bearing (6)
14	26997	Screw ⅜-16 x ¾ Hex Soc BH (6)

Main Components

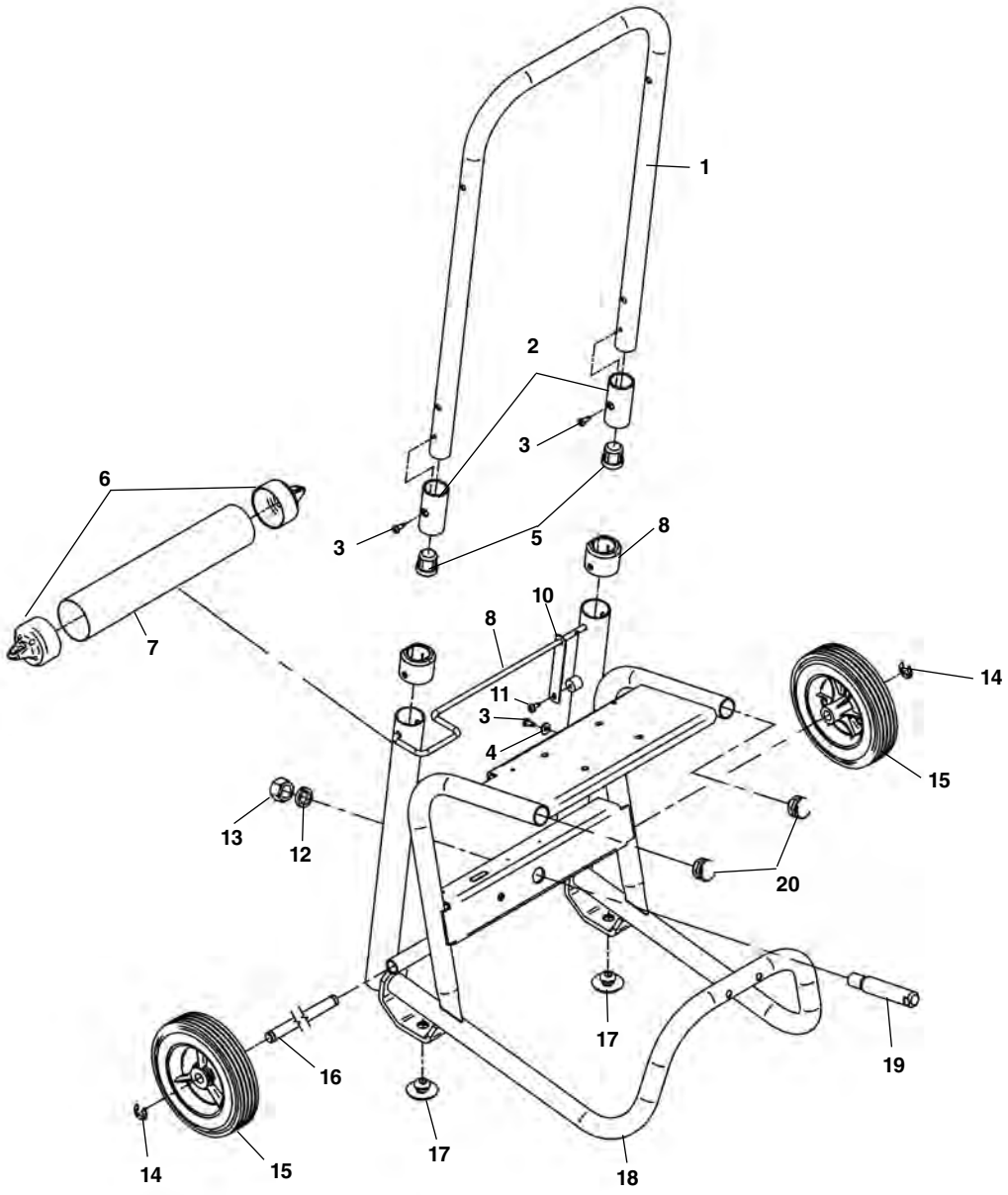


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	68937	Screw #10-24 (3)
2	27483	Belt Guard
3	27498	V-Belt
4	27513	Pulley
5	60065	Flat Washer 5/16" (7)
6	59785	Hex Screw 5/16"-18 x 3/4" (5)
7	27568	Motor 120V 60Hz
	27623	Motor 220/240V 50Hz
	27583	Motor 220V 50Hz Europe
8	50497	GFI Power Cord 120V 60Hz
	15707	Power Cord 220V Export
	15692	Power Cord 240V Australia
	65842	Power Cord 220V Europe
9	35142	Hose Clamp
10	37967	Foot Switch
11	27048	Drum Assembly
12	91302	Hex Screw 5/16"-18 x 1 3/4" (2)

Ref. No.	Catalog No.	Description
13	27603	Guide Hose Mounting Bracket
14	26778	Guide Hose Assembly
15	27608	Spacer
16	26773	AUTOFEED® Assembly
17	41790	Flat Washer
18	27517	Lock Nut 5/16"
19	60080	Lock Washer 5/16"
20	60737	Hex Screw 5/16"-18 x 3" (2)
21	27508	Hex Nut 5/16"
22	27533	Pulley Bracket
23	27523	Spring
24	27493	Flange Bushing
25	44230	Flat Washer 3/8" (2)
26	33627	Shoulder Screw 3/8" x 1 1/4"
27	27488	Idler Pulley (2)
28	30728	Torque Limiter Assy.

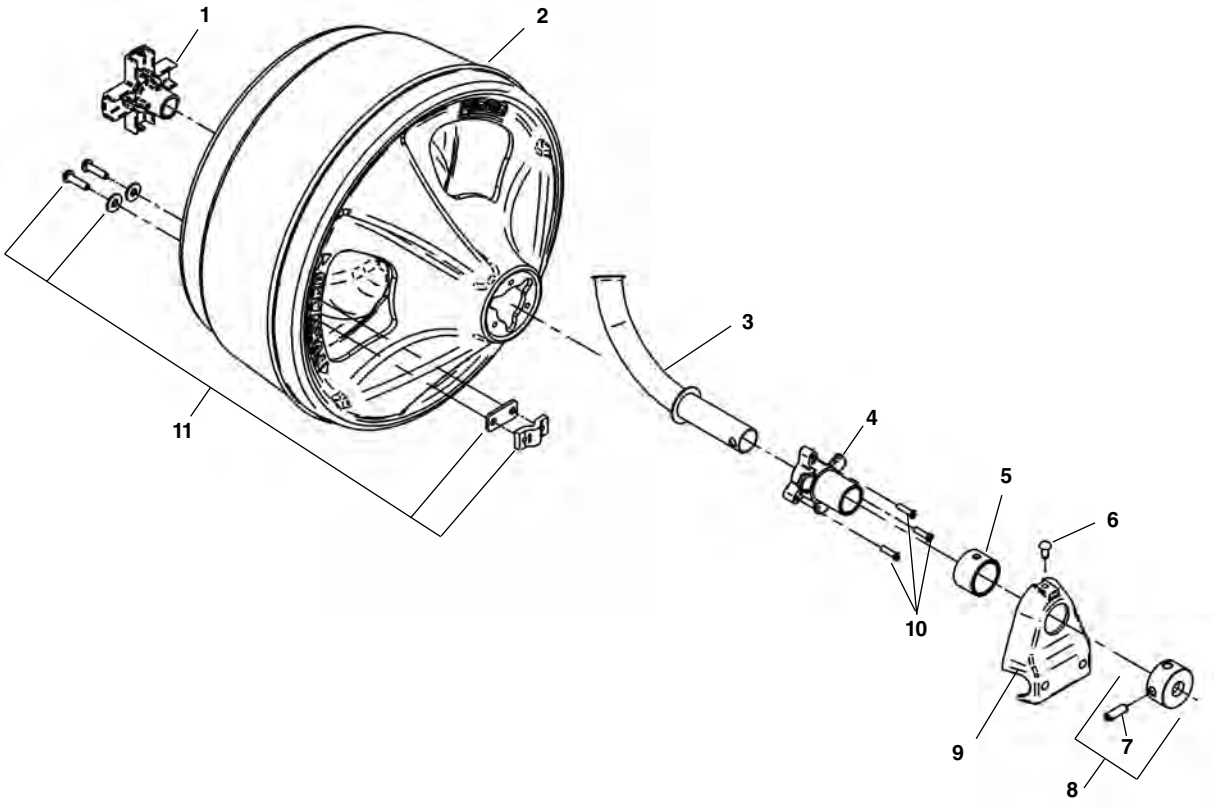
Frame Assembly



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

Ref. No.	Catalog No.	Description
1	27473	Handle
2	27538	Handle Sleeve (2)
3	45275	Screw, #10-24 x 1/2" Pan Head (3)
4	45365	Flat Washer #10
5	27503	Rubber Foot (2)
6	27593	Cap (2)
7	27588	Tube f/Operator's Manual
8	27563	Bushing (2)
9	27453	Release Lever
10	27458	Flat Spring
11	68937	Screw, #10-24 Pan Head (3)
12	46682	Lock Washer 5/8"
13	13617	Hex Nut 5/8" - 11
14	59810	Ring, Retaining (2)
15	60842	Wheel (2)
16	27518	Axle
17	27553	Grommet
18	27438	Frame
19	27463	Drum Shaft
20	27558	Plug 1" (2)

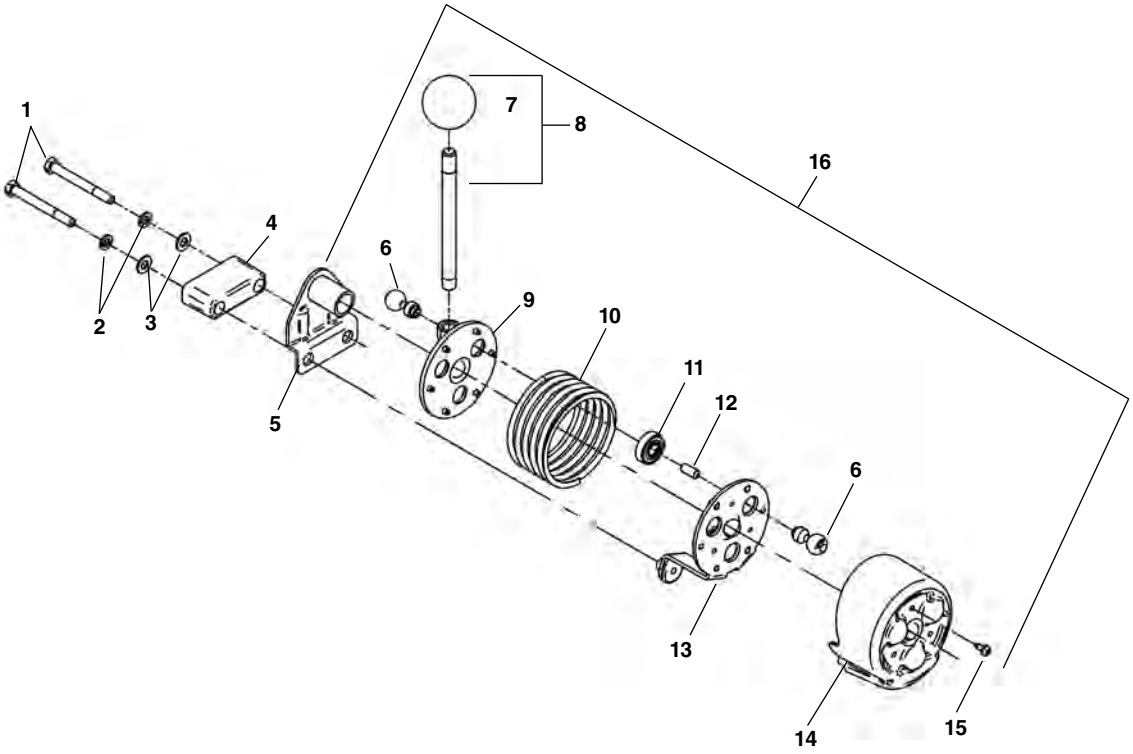
Drum Assembly



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

Ref. No.	Catalog No.	Description
—	27048	Drum Assembly
1	27543	Sleeve Bushing
2	27528	Drum
3	27478	Guide Tube
4	27448	Guide Tube Bushing
5	27468	Sleeve Bushing
6	27548	Drive Screw
7	39582	Set Screw $^{5}/_{16}$" x 1"
8	37912	Set Collar Assembly
9	27443	Bearing Support
10	27578	Screw #8 - 16 x $^{3}/_{4}$" (3)
11	56147	Cable Clamp Assembly

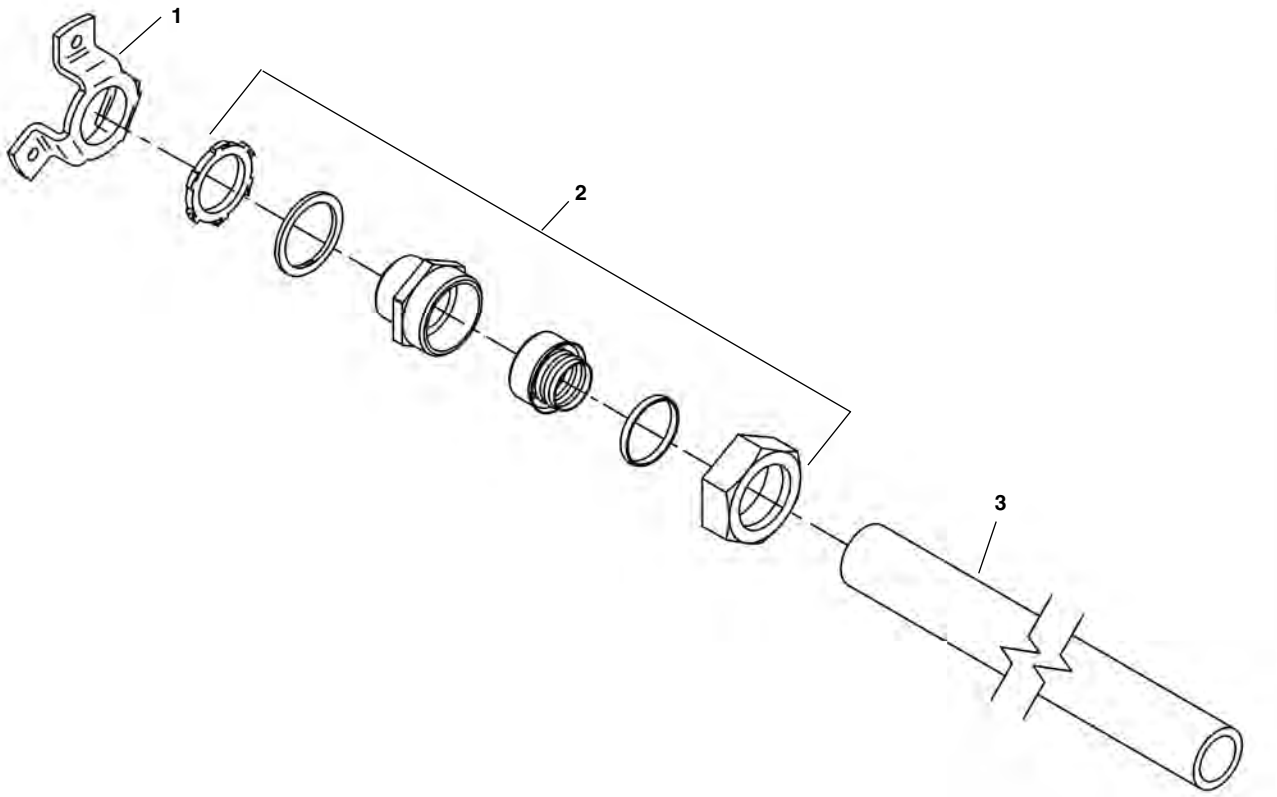
AUTOFEED® Assembly



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

Ref. No.	Catalog No.	Description
—	26773	AUTOFEED Assembly K-400
1	60737	Hex Screw 5/16" - 18 x 3" (2)
2	60080	Lock Washer 5/16"
3	60065	Flat Washer 5/16"
4	27608	Spacer
5	87627	Mounting Bracket
6	87607	Roller Shaft (6)
7	59585	Ball for Handle
8	93630	Clutch Handle
9	87622	Back Plate
10	87617	Spring
11	44077	Bearing
12	41502	Set Screw 5/16" - 18 x 3/4" (3)
13	87612	Front Plate
14	87632	AUTOFEED Cover
15	45420	Screw 10 - 24 x 1/2" (3)
16	26773	AUTOFEED Assembly

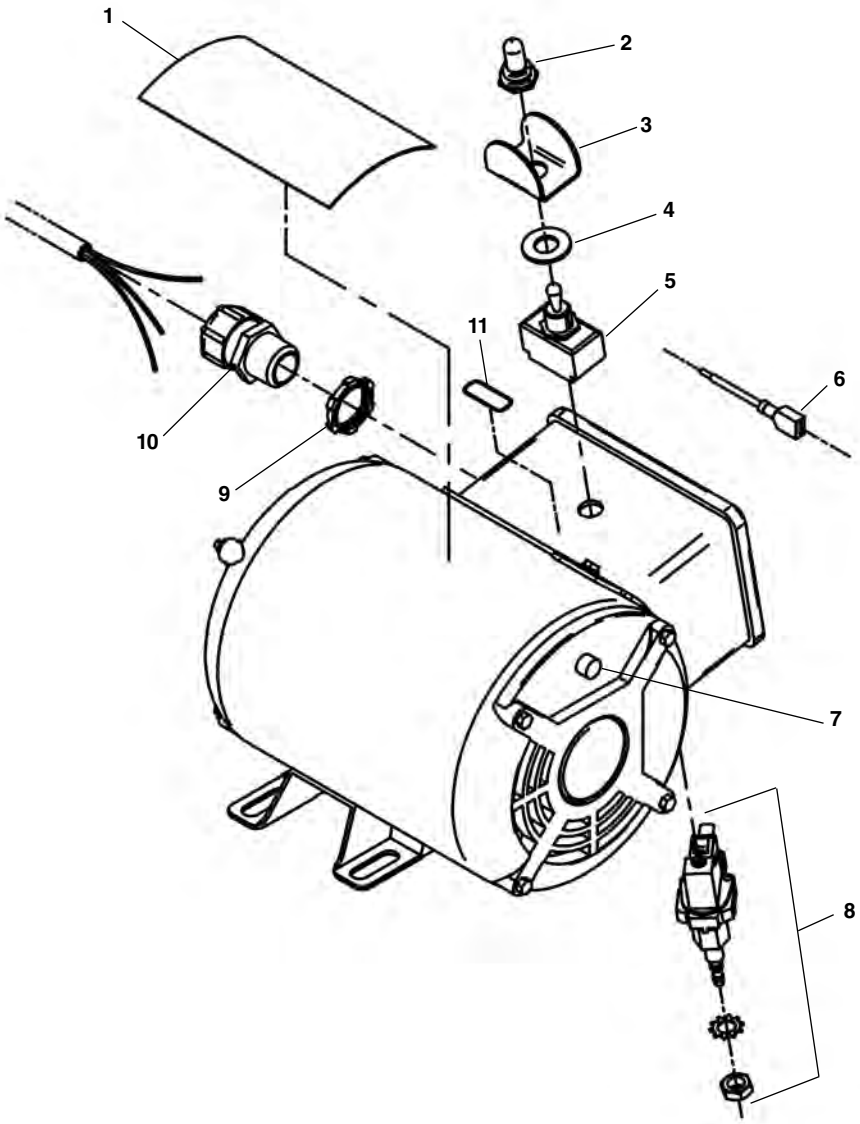
Guide Hose Assembly



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

Ref. No.	Catalog No.	Description
—	26778	Guide Hose Assembly
1	27603	Guide Hose Bracket
2	72477	Guide Hose Connector
3	27598	Hose 2'

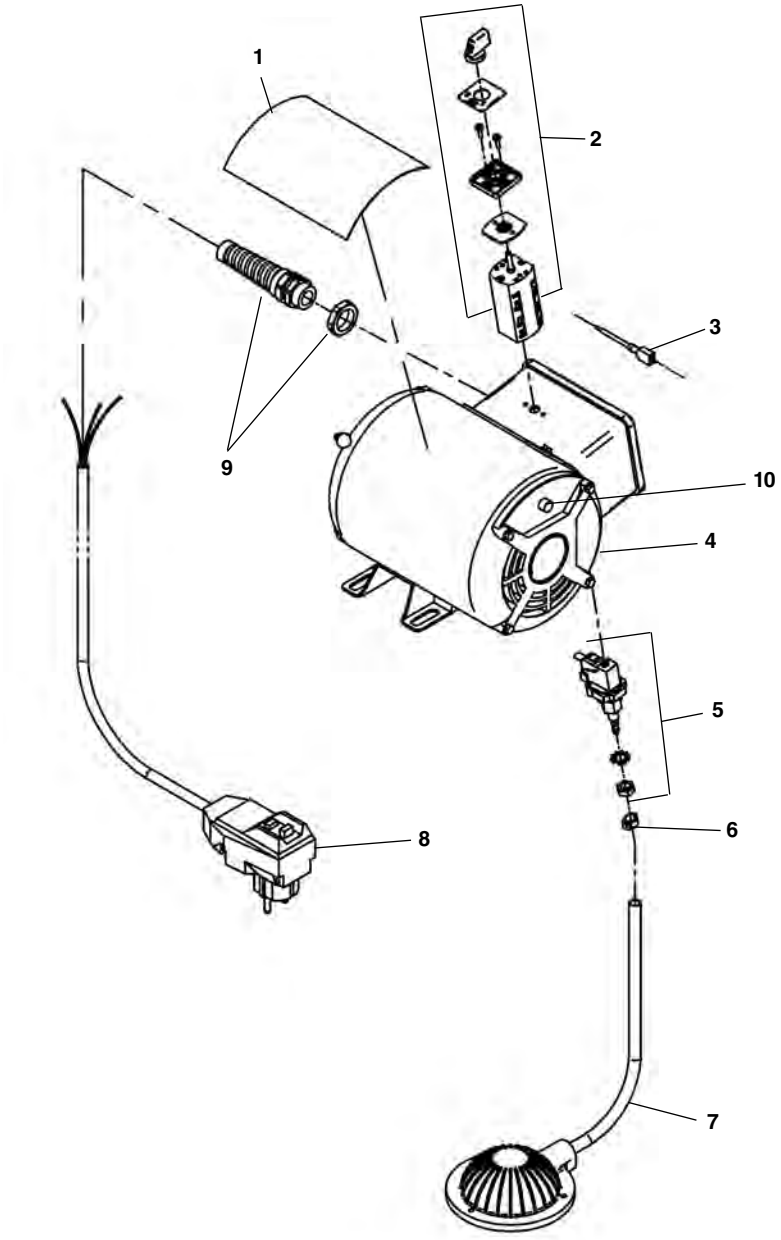
Motor Components



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

Ref. No.	Catalog No.	Description
—	53333	120V 60Hz Motor Assembly
—	27623	220/240V 50Hz Motor Assembly
1	27618	Safety Decal
2	23507	Rubber Boot
3	61490	Switch Guard
4	23512	Rubber Washer
5	41817	Switch
6	44877	Lead Wire Assembly
7	55688	Thermal Overload
8	32992	Air Switch
9	65642	Lock Nut
10	96265	Strain Relief
11	23687	FOR/REV Label

Motor Components - 220V - 50Hz Europe

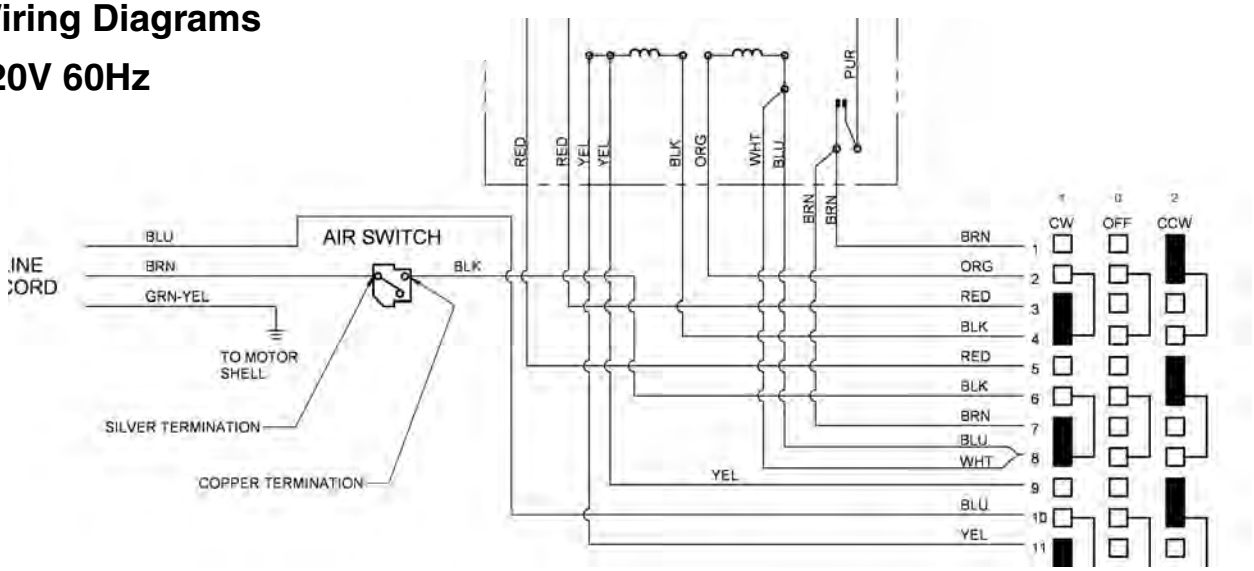


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

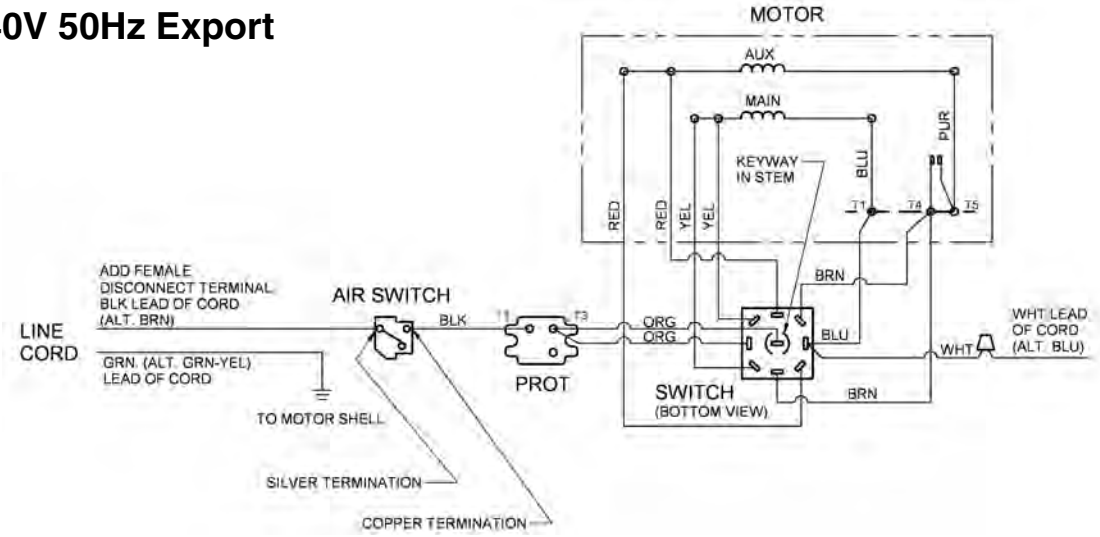
Ref. No.	Catalog No.	Description
1	27618	Safety Decal
2	44862	Switch
3	44877	Lead Wire Assembly
4	27583	220V 50Hz Motor Assy.
5	32992	Air Switch
6	35142	Hose Clamp
7	37967	Foot Switch Assembly
8	39562	220V Power Cord (Europe)
9	27187	Strain Relief
10	67412	Thermal Overload

Wiring Diagrams

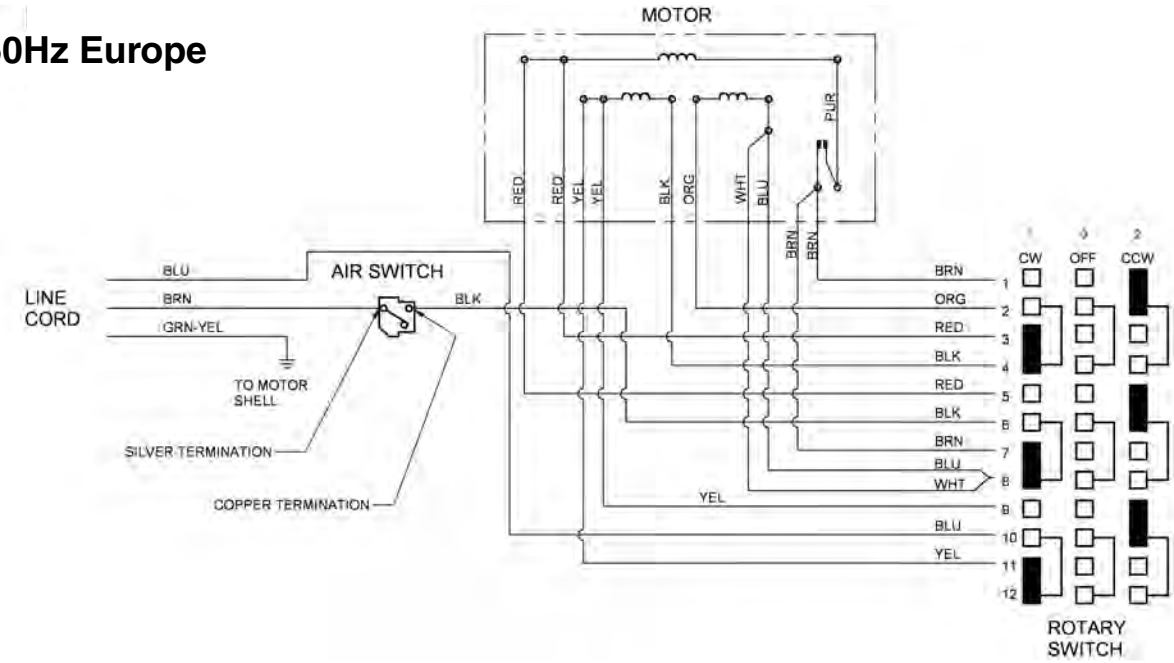
120V 60Hz



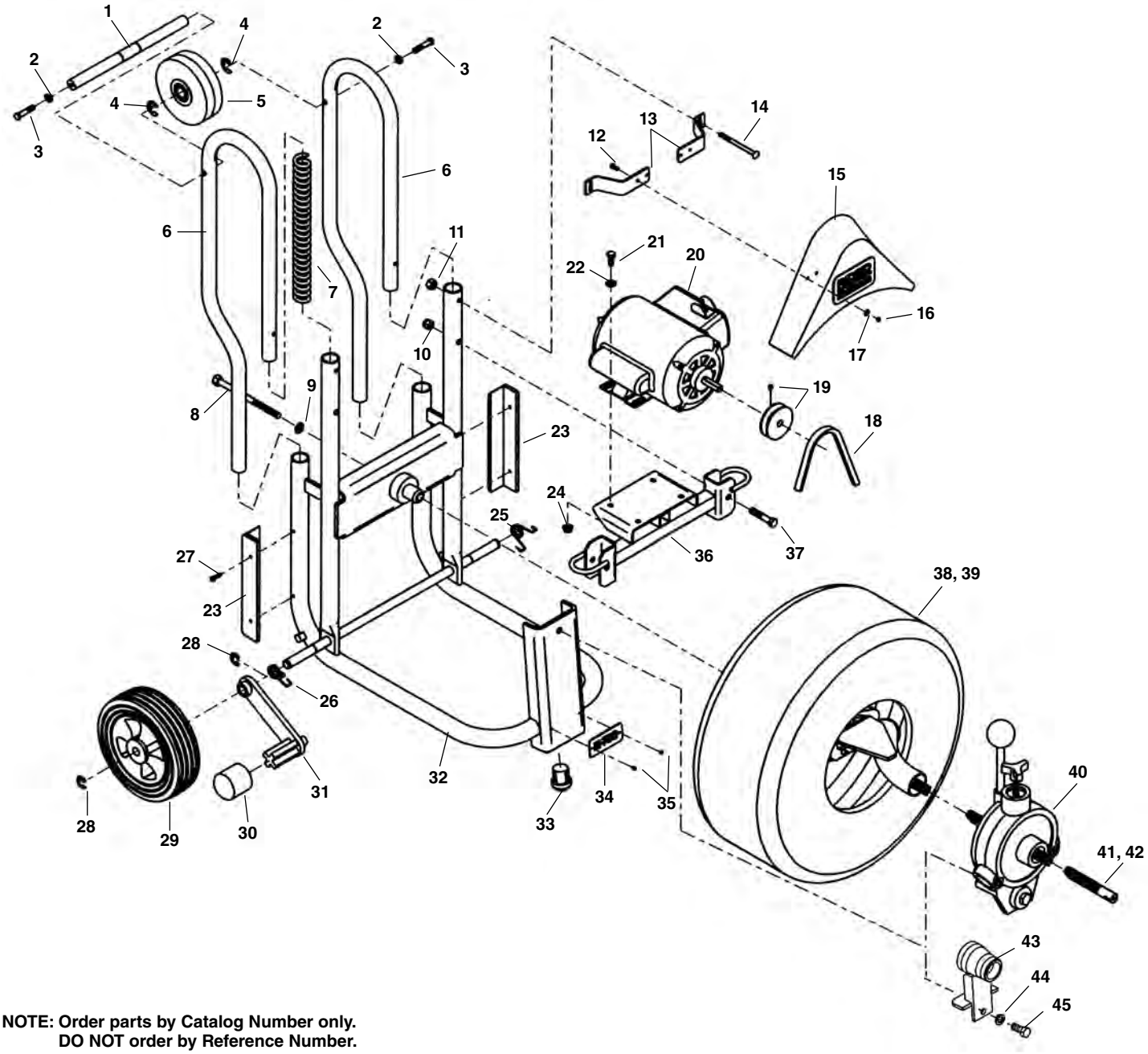
220/240V 50Hz Export



220V 50Hz Europe



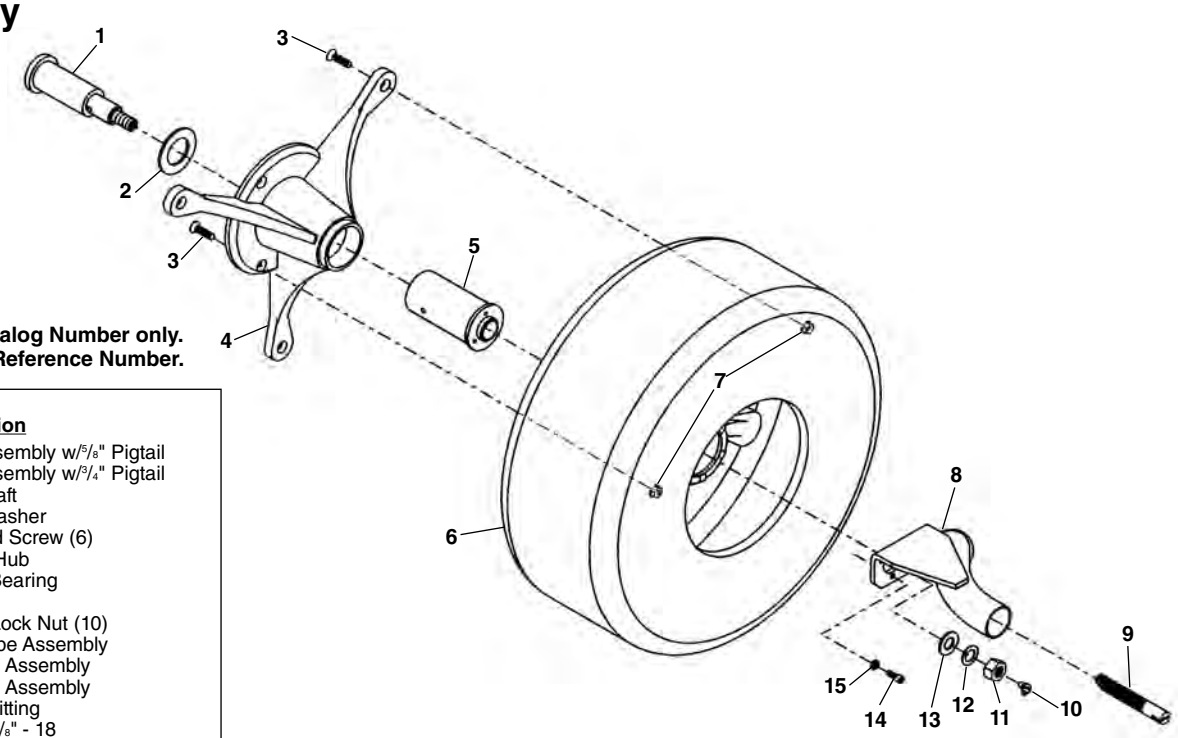
Frame and Drum Assembly



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

Ref. No.	Catalog No.	Description
1	46632	Axle
2	60080	Lock Washer 5/16"
3	43847	Hex Bolt 5/16" - 18 x 1 1/2"
4	60050	Retaining Ring
5	46637	Loading Wheel
6	43952	Handle (2)
7	65447	Compression Spring
8	43937	Screw 1/2" - 13 x 5" Hex Head (Torque to 60-65 ft. lbs.)
9	43942	1/2" Lock Washer (2)
10	43947	Lock Nut
11	45407	1/4" - 20 Handle Nut (2)
12	43962	Screw 10 - 24 x 1/2" (4)
13	43967	Guard Bracket (2)
	44502	Guard Bracket (Eur. & Aust.) (2)
14	43972	Carriage Bolt (2)
15	44027	Belt Guard
16	87970	Nut 10-24 (4)
17	61310	External Lock Washer (4)
18	43997	Drive Belt
19	43982	Motor Pulley
20	70447	120V 60Hz Motor
	45052	220/240V 50Hz Motor Assembly
	44517	220/240V 50Hz Motor (Europe)
21	61130	Screw (4)
22	60060	5/16" Flat Washer (4)
23	43927	Stair Climber (2)
24	27517	5/16"-18 Lock Nut
25	43922	Stabilizer Spring R.H.
26	43917	Stabilizer Spring L.H.
27	43932	Self Tapping Screw (4)
28	42580	Retaining Clip (4)
29	93325	Wheel (2)
30	23607	End Cap (2)
31	43912	Stabilizer (2)
32	43902	Frame Assembly
33	61470	Rest Button
34	43907	Name Plate
35	76730	Drive Screw (4)
36	43987	Motor Mount Assembly
37	43992	Hex Head Screw 3/8"-16 x 2"
38	43637	Drum Assembly w/5/8" Pigtail
39	41982	Drum Assembly w/3/4" Pigtail
40	43642	AUTOFEED® Assembly
41	44117	3/4" Pigtail Assembly
42	44122	5/8" Pigtail Assembly
43	54427	Manual Feed Assembly
44	43942	1/2" Lock Washer
45	45287	Hex Head Screw 1/2" - 13 x 2"

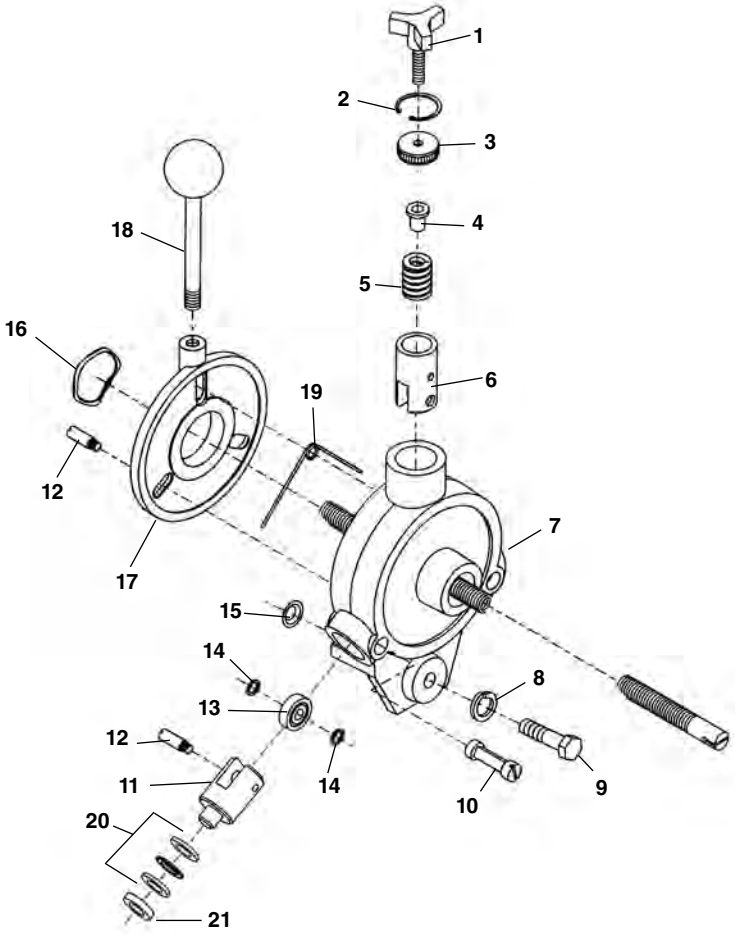
Drum Assembly



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

Ref. No.	Catalog No.	Description
—	43637	Drum Assembly w/5/8" Pigtail
—	41982	Drum Assembly w/3/4" Pigtail
1	44002	Drum Shaft
2	44007	Thrust Washer
3	44012	Flat Head Screw (6)
4	44017	Support Hub
5	44022	Spindle Bearing
6	44032	Drum
7	27517	5/16" - 18 Lock Nut (10)
8	44037	Guide Tube Assembly
9	44117	3/4" Pigtail Assembly
	44122	5/8" Pigtail Assembly
10	89815	Grease Fitting
11	44057	Hex Nut 5/8" - 18
12	44047	Internal Lock Washer
13	44042	5/8" Flat Washer
14	44052	Screw 1/4" - 20 x 5/8" S.H. (3)
15	45150	1/4" Lock Washer (3)

AUTOFEED® Assembly

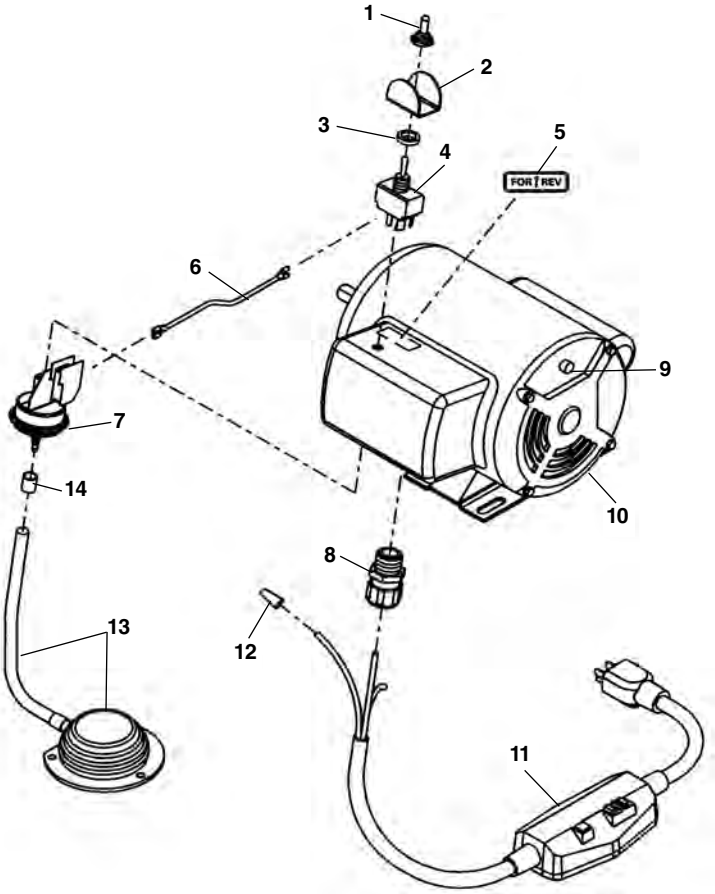


Ref. No.	Catalog No.	Description
—	43642	AUTOFEED® Assembly
1	93580	Feed Knob
2	93500	Retaining Ring
3	93600	Knurled Nut
4	93475	Ball Holder
5	93375	Spring
6	44062	Moveable Roller Holder
7	44067	AUTOFEED® Housing
8	43942	1/2" Lock Washer (2)
9	45287	Screw 1/2" - 13 x 2" Hex Head (Torque to 25-30 ft. lbs.)
10	44092	Roller Holder Cam (2)
11	45417	Stationary Roller Hld (2)
12	44082	Actuator Pin (6)
13	44077	Ball Bearing (3)
14	93460	Spacer (6)
15	44102	Bolt Retainer
16	44112	Retaining Ring
17	44107	Feed Actuator
18	93630	Clutch Handle Assembly
19	44097	Torsion Spring (3)
20	45412	Thrust Washer (4)
21	68372	Spacer (2)

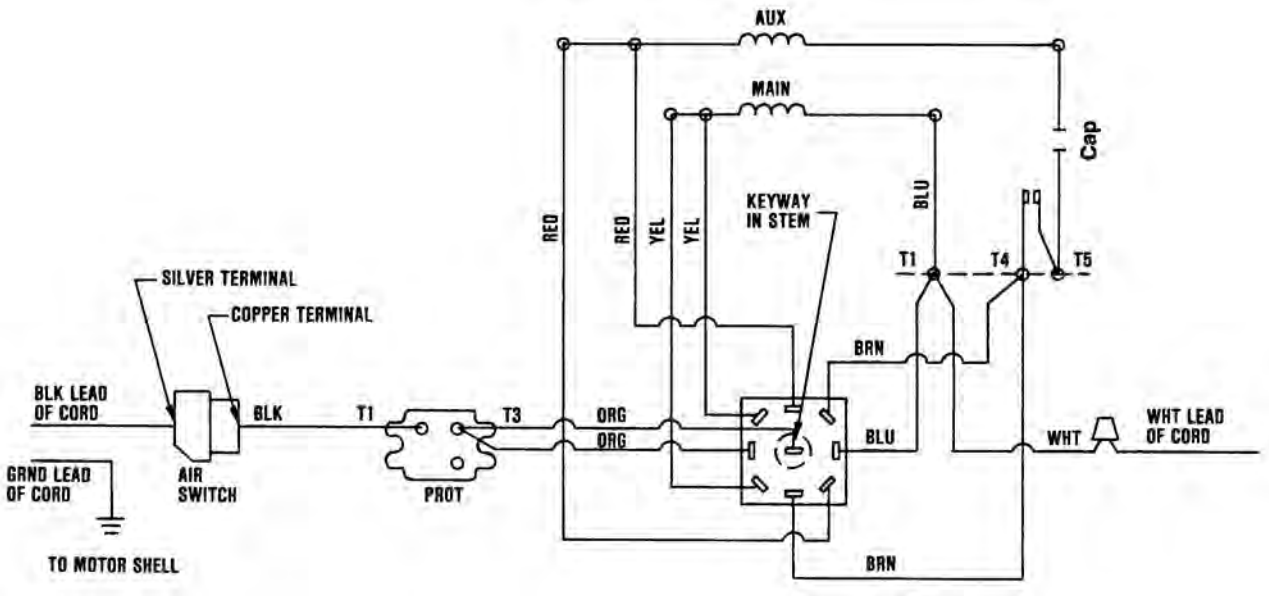
120V 60 Hz Motor

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

Ref. No.	Catalog No.	Description
1	23507	Rubber Boot
2	61490	Switch Guard
3	23512	Rubber Washer
4	41817	Switch
5	23687	FOR/REV Label
6	44877	Lead Wire Assembly
7	32992	Air Switch
8	96265	Strain Relief
9	67422	Thermal Protector
10	70447	Motor Assembly - 120V 60Hz (Includes Ref. No. 1 - 9)
	44517	Motor - 220V 50Hz (Europe)
11	50507	120V Power Cord w/GFCI
12	44635	Wire Nut
13	44072	Foot Switch Assembly
14	35142	Hose Clamp



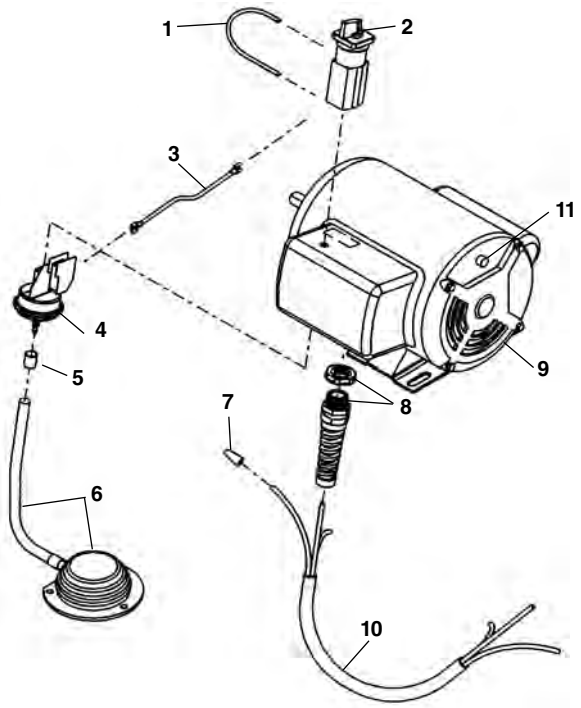
Wiring Diagram
120V 60 Hz Motor



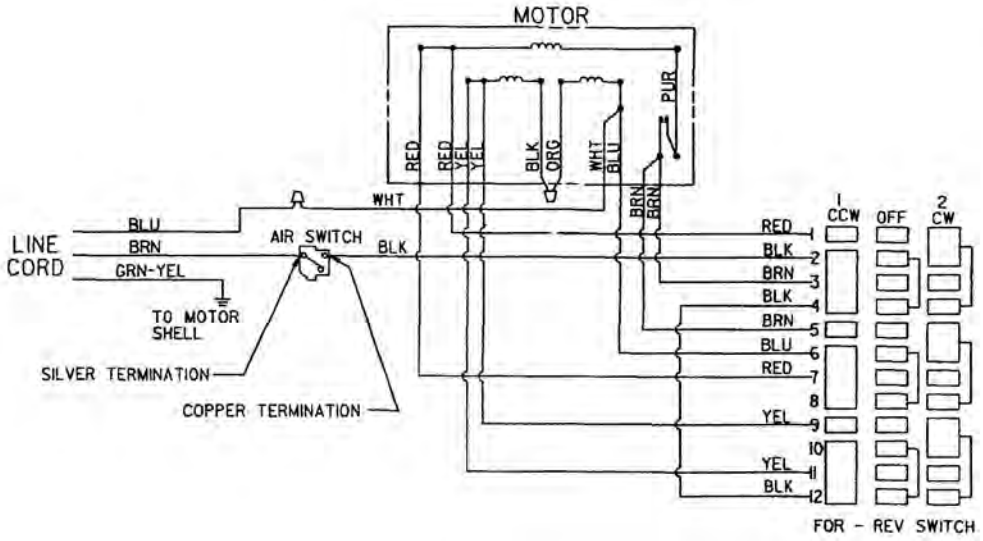
50Hz Motor

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

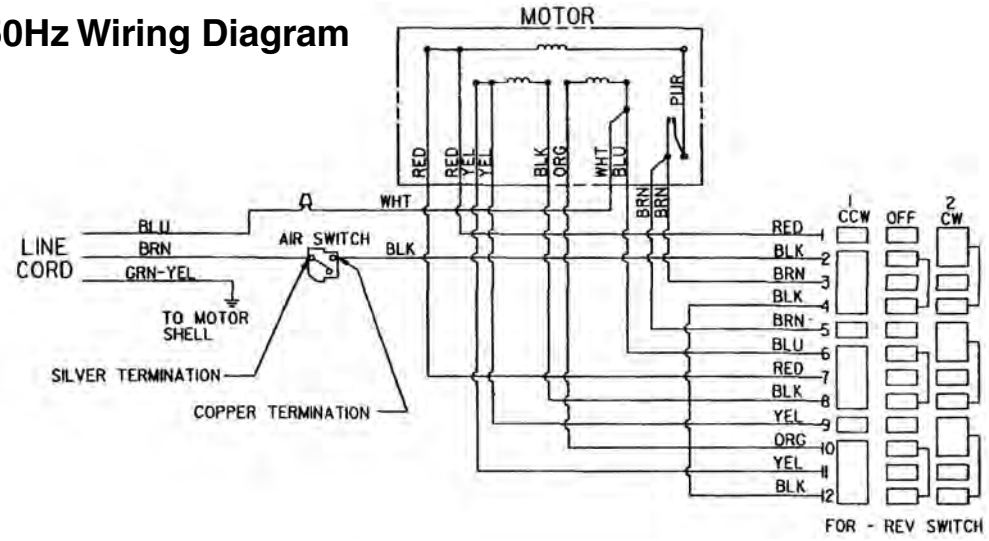
Ref. No.	Catalog No.	Description
1	44882	Jumper Wire Assembly
2	44862	Switch (Australia & Europe)
3	44877	Lead Wire Assembly
4	32992	Air Switch
5	35142	Hose Clamp
6	44072	Foot Switch Assembly
7	44635	Wire Nut
8	27187	Strain Relief
9	45052	220/240V 50Hz Motor Assembly
	44517	220/240V 50Hz Motor Assy. (Eur.)
10	15707	220V Power Cord
	39562	220V Power Cord (Europe)
	15692	240V Power Cord (Australia)
11	67417	Thermal Protector



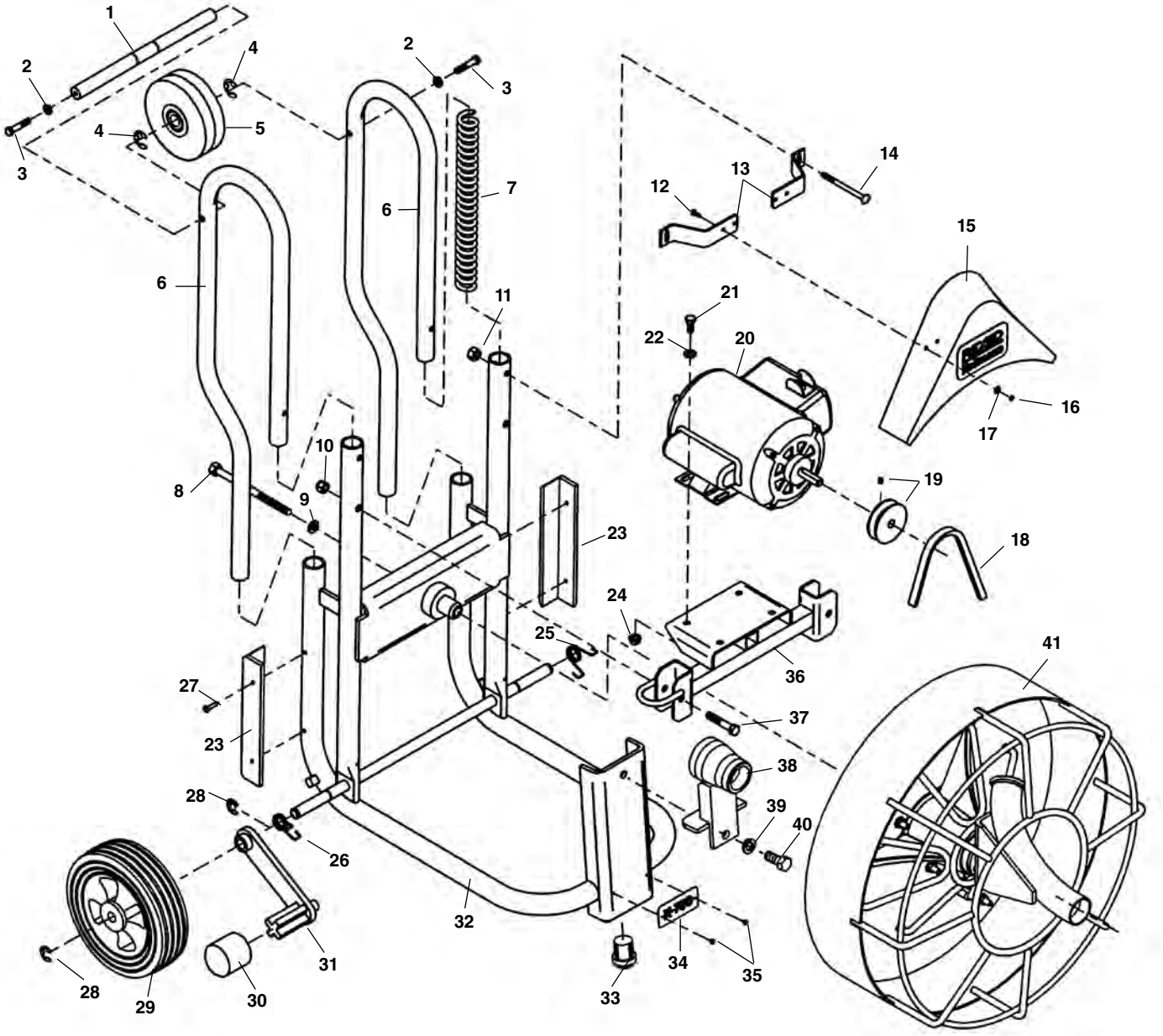
220/240V 50Hz Wiring Diagram



110V 50Hz Wiring Diagram



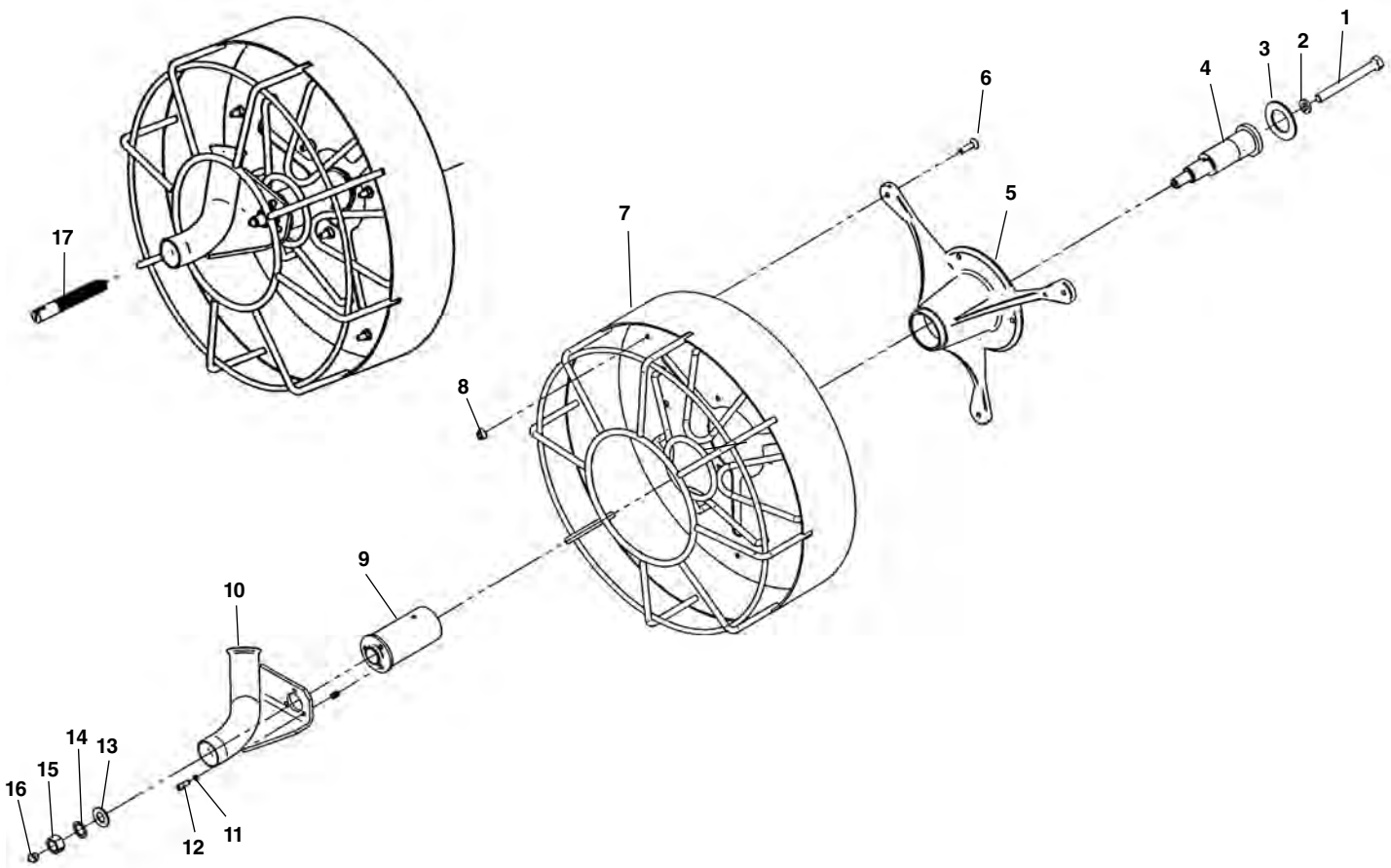
Frame and Drum Assembly



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

Ref. No.	Catalog No.	Description
1	46632	Axle
2	60080	Lock Washer 5/16" (2)
3	43847	Hex Bolt 5/16" - 18 x 1 1/2" (2)
4	60050	Retaining Ring (2)
5	46637	Loading Wheel
6	43952	Handle (2)
7	84127	Compression Spring
8	43937	Screw 1/2" - 13 x 5"
9	43942	1/2" Lock Washer
10	43947	Lock Nut
11	45407	1/4" - 20 Handle Nut
12	43962	Screw 10 - 24 x 1/2" (2)
13	43967	Guard Bracket
14	43972	Carriage Bolt (2)
15	44027	Belt Guard
16	87970	Nut 10-24 (2)
17	61310	External Lock Washer (2)
18	43997	Drive Belt
19	43982	Motor Pulley
20	70447	120V 60Hz Motor Assembly
21	61130	Screw (4)
22	60060	5/16" Flat Washer (4)
23	43927	Stair Climber (2)
24	27517	5/16"-18 Lock Nut (4)
25	43922	Stabilizer Spring R.H.
26	43917	Stabilizer Spring L.H.
27	43932	Self Tapping Screw (4)
28	42580	Retaining Clip (4)
29	93325	Wheel (2)
30	23607	End Cap (2)
31	43912	Stabilizer (2)
32	43902	Frame Assembly
33	61470	Rest Button
34	43907	Name Plate
35	76730	Drive Screw (4)
36	43987	Motor Mount Assembly
37	43992	Hex Head Screw 3/8"-16 x 2"
38	54427	Manual Feed Assembly
39	43942	1/2" Lock Washer
40	45287	Hex Head Screw 1/2"-13 x 2"
41	84122	K-750R Drum Assembly

Drum Assembly



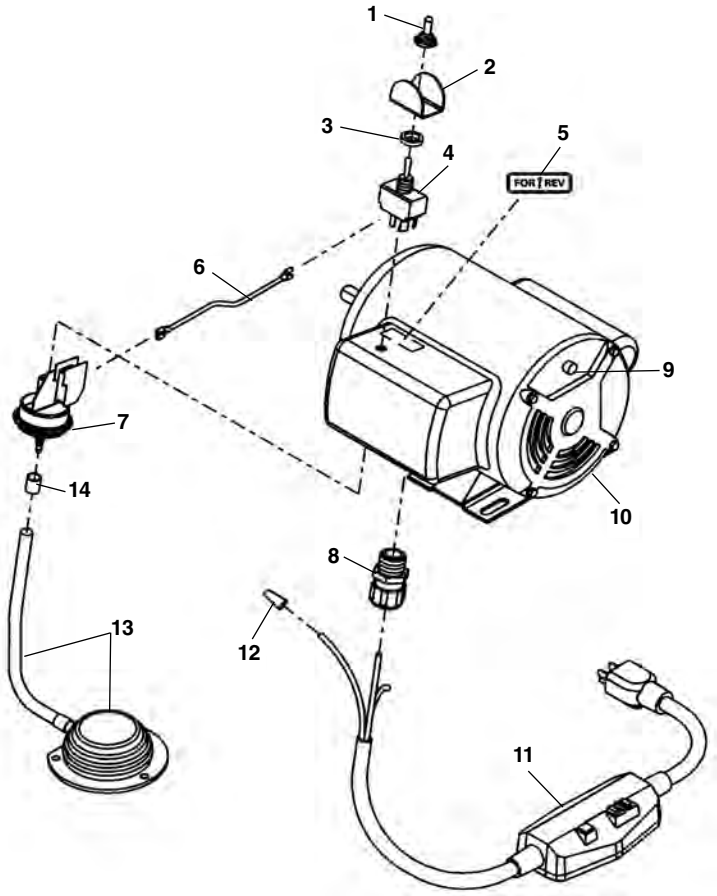
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	84122	Drum Assembly
1	43937	Hex Head Screw 1/2" - 13 x 5"
2	43942	1/2" Lock Washer
3	44007	Thrust Washer
4	44002	Drum Shaft
5	44017	Support Hub
6	44012	Hex Screw 5/16" - 18 x 1" (3)
7	84422	K-750 Cage Weldment
8	27517	Lock Nut (3)
9	44022	Spindle Bearing
10	44037	Guide Tube Assembly
11	45150	1/4" HiCollar Washer
12	44052	1/4" - 20 Washer
13	44042	5/8" Flat Washer
14	44047	5/8" Internal Lock Washer
15	44057	Hex Nut 5/8" - 18
16	89815	Grease Fitting
17	44122	5/8" Pigtail Assembly

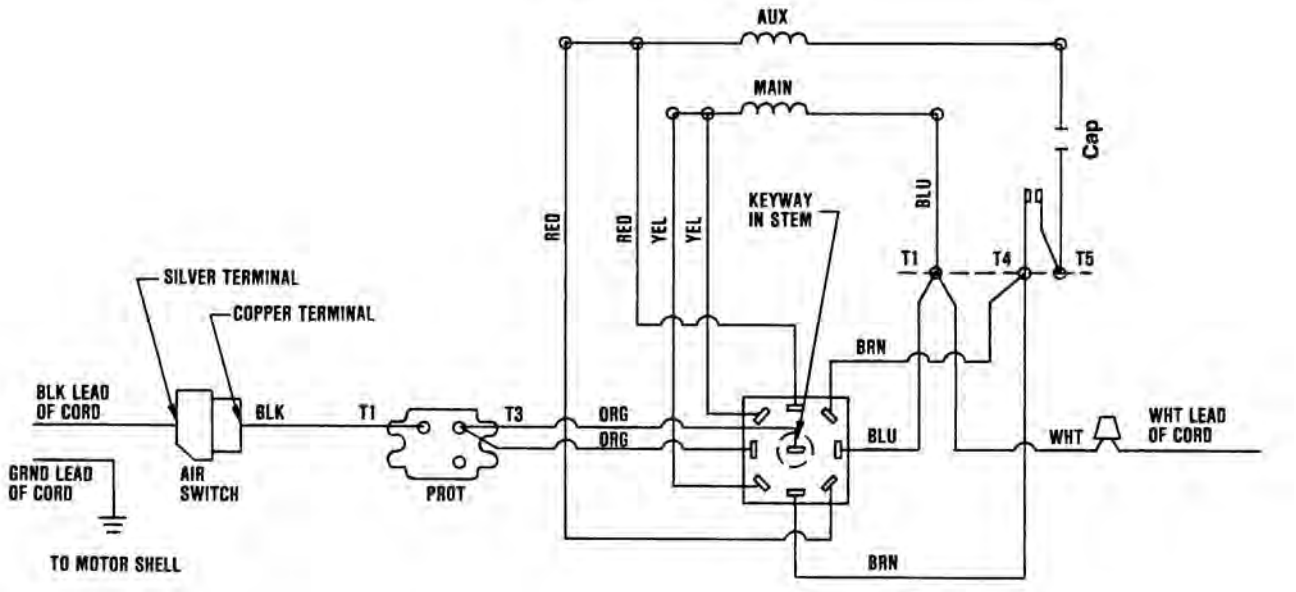
120V 60 Hz Motor

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

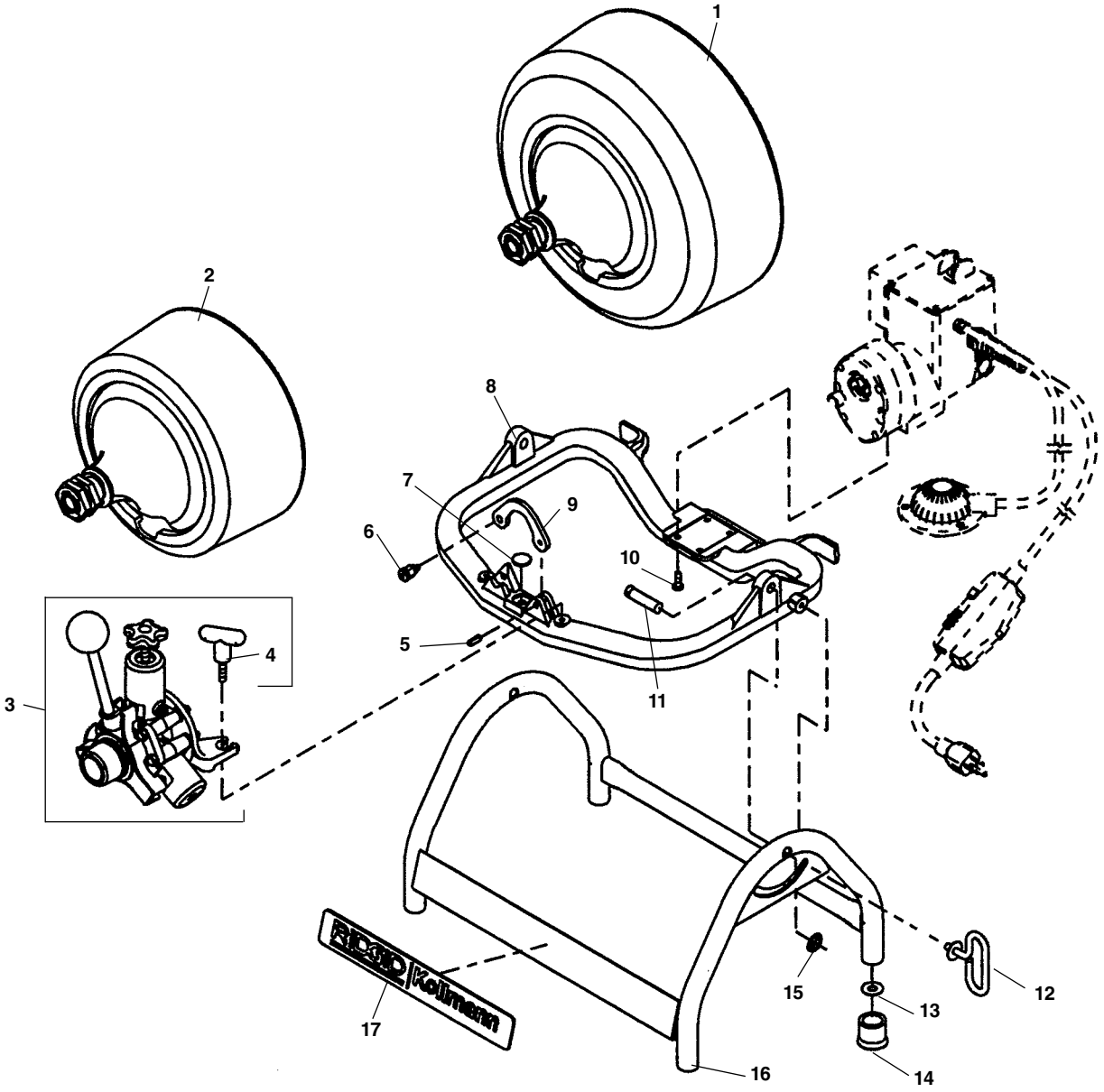
Ref. No.	Catalog No.	Description
1	23507	Rubber Boot
2	61490	Switch Guard
3	23512	Rubber Washer
4	41817	Switch
5	23687	FOR/REV Label
6	44877	Lead Wire Assembly
7	32992	Air Switch
8	96265	Strain Relief
9	67422	Thermal Protector
10	70447	120V 60Hz Motor Assembly (Includes Ref. No. 1 - 9)
11	50507	120V Power Cord w/GFCI
12	44635	Wire Nut
13	44072	Foot Switch Assembly
14	35142	Hose Clamp



Wiring Diagram
120V 60 Hz Motor



Main Components

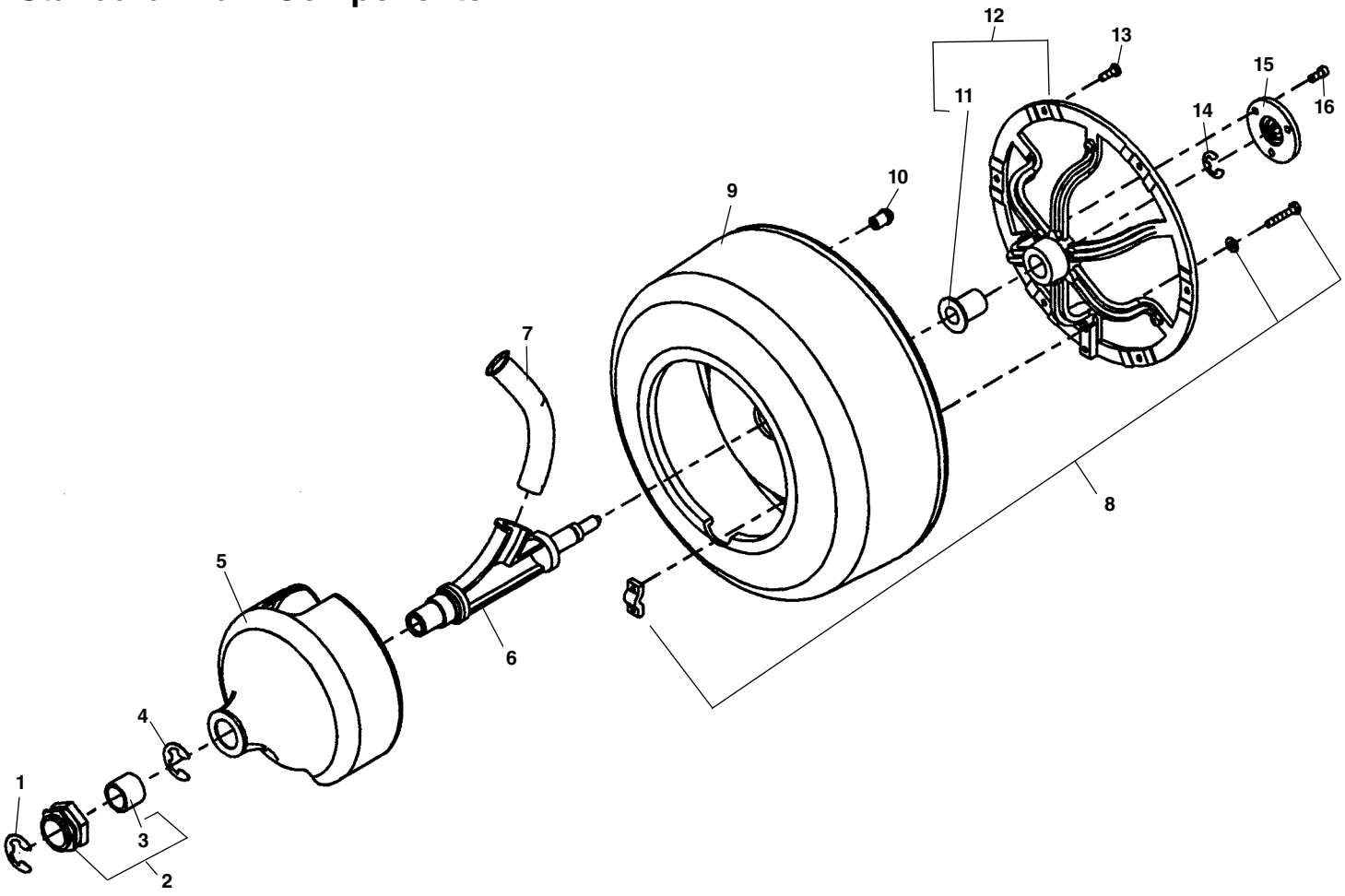


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	55002	Standard Drum Assembly
2	55007	Sink Drum Assembly
3	60087	AUTOFEED® Assembly
4	60672	Retaining Knob (2)
5	56177	Roll Pin 1/4" - 3/4"
6	59510	Plunger Pin
7	34320	Wear Plug
8	56182	Yoke
9	56187	Bearing Clamp

Ref. No.	Catalog No.	Description
10	56152	Screw 1/4" - 20 x 3/4" (4)
11	56172	Pivot Pin
12	56192	Swivel Locking Handle
13	44230	Flat Washer 3/8"
14	37962	Rubber End Cap (4)
15	67427	Push Nut (2)
16	56197	Base
17	56202	Nameplate
18	54562	Tool Holder (Not Shown)

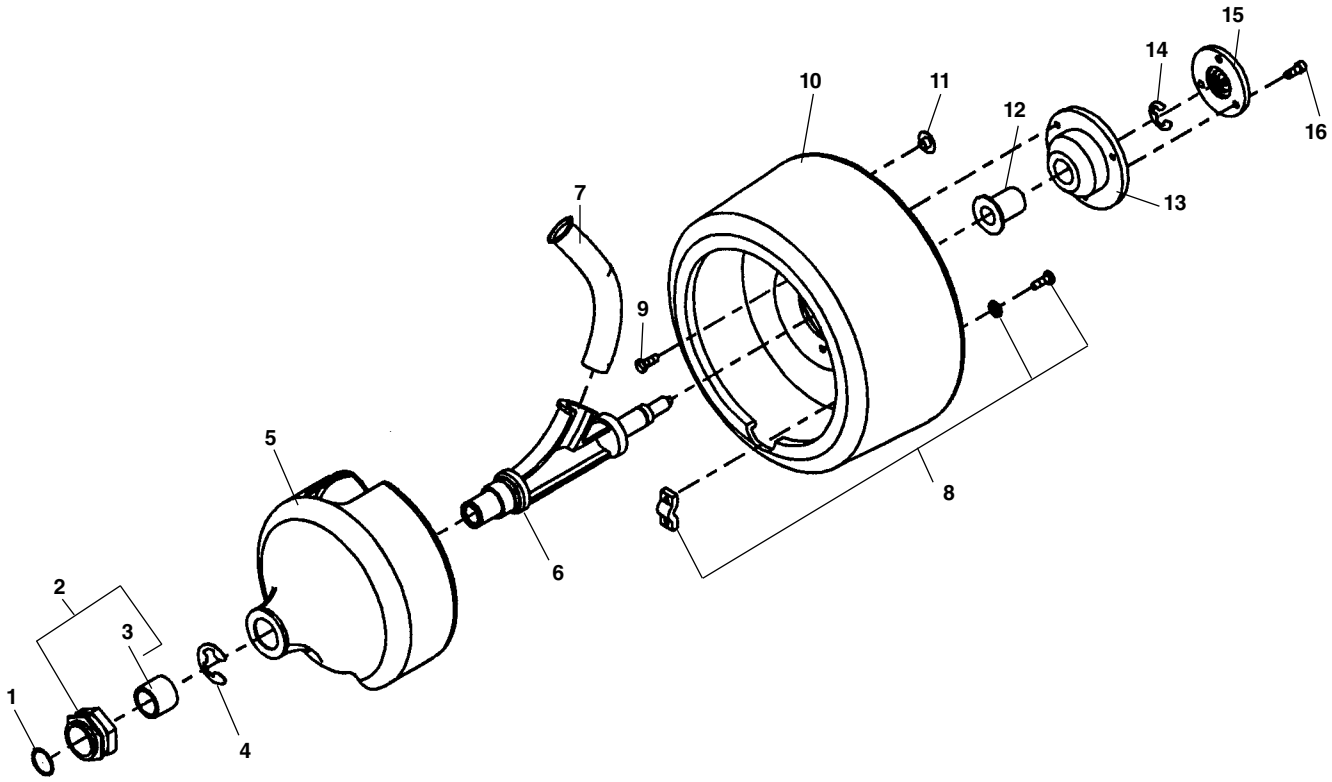
Standard Drum Components



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	55002	Standard Drum Assembly	9	56137	Drum
1	44860	Retaining Ring	10	60552	Drain Plug
2	56107	Bearing Block w/Bearing	11	56157	Flange Bearing
3	56112	Front Bearing	12	56162	Drum Support w/Bearing
4	56117	Retaining Ring	13	56152	Screw 1/4" - 20 x 3/4" (6)
5	56122	Inner Drum	14	60050	Retaining Ring
6	56127	Guide Tube Support	15	56167	Drive Lug
7	56132	Guide Tube	16	39830	Screw 1/4" - 20 x 5/8" (3)
8	56147	Cable Clamp Assembly			

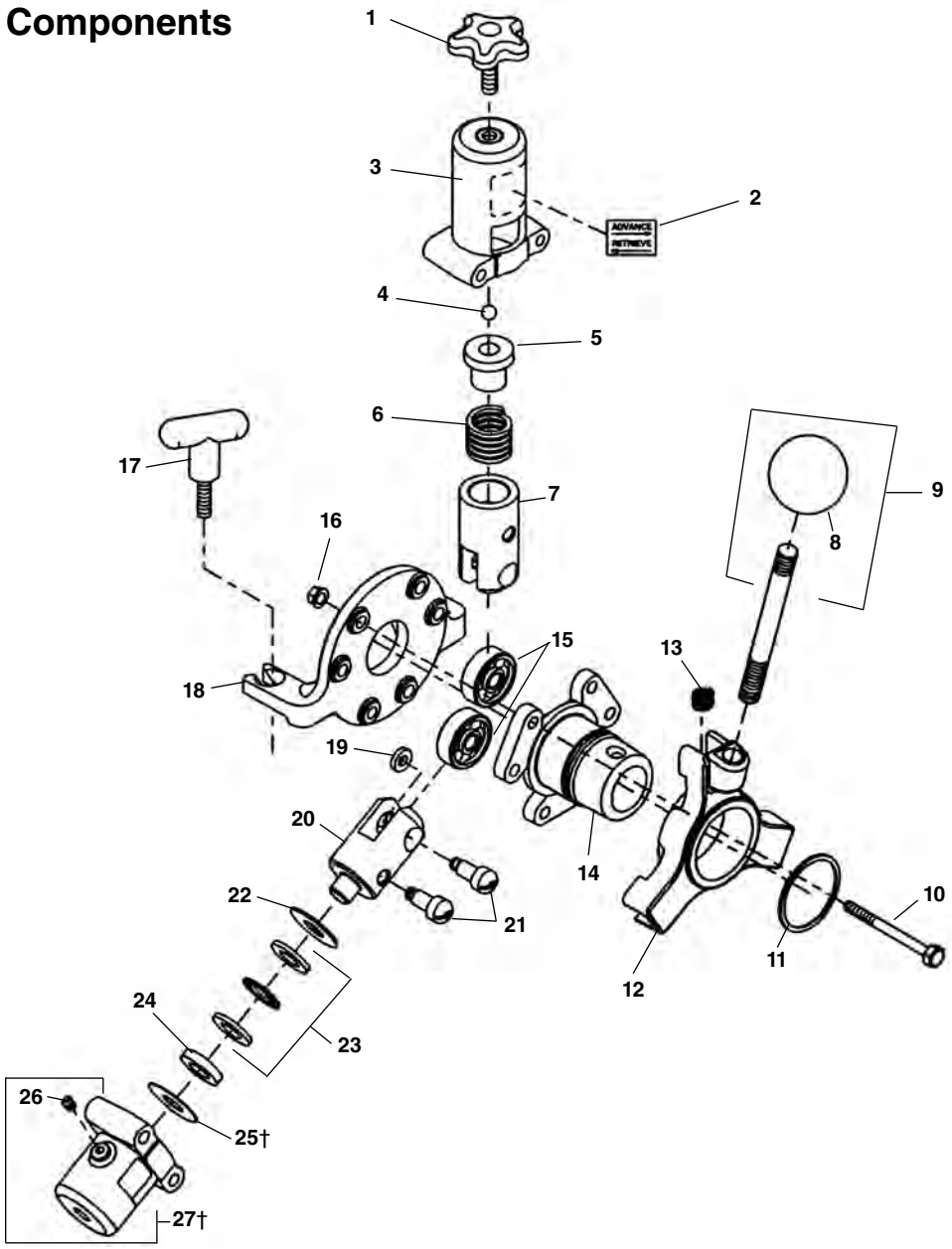
Sink Drum Components



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	55007	Sink Drum Assembly	9	56152	Screw 1/4" - 20 x 3/4" (3)
1	62402	Retaining Ring	10	61212	Sink Drum
2	56107	Bearing Block w/Bearing	11	56142	Drain Plug
3	56112	Front Bearing	12	56157	Flange Bearing
4	56117	Retaining Ring	13	61217	Drum Support
5	56122	Inner Drum	14	60050	Retaining Ring
6	56127	Guide Tube Support	15	56167	Drive Lug
7	56132	Guide Tube	16	39830	Screw 1/4" - 20 x 5/8" (3)
8	56147	Cable Clamp Assembly			

AUTOFEED® Components

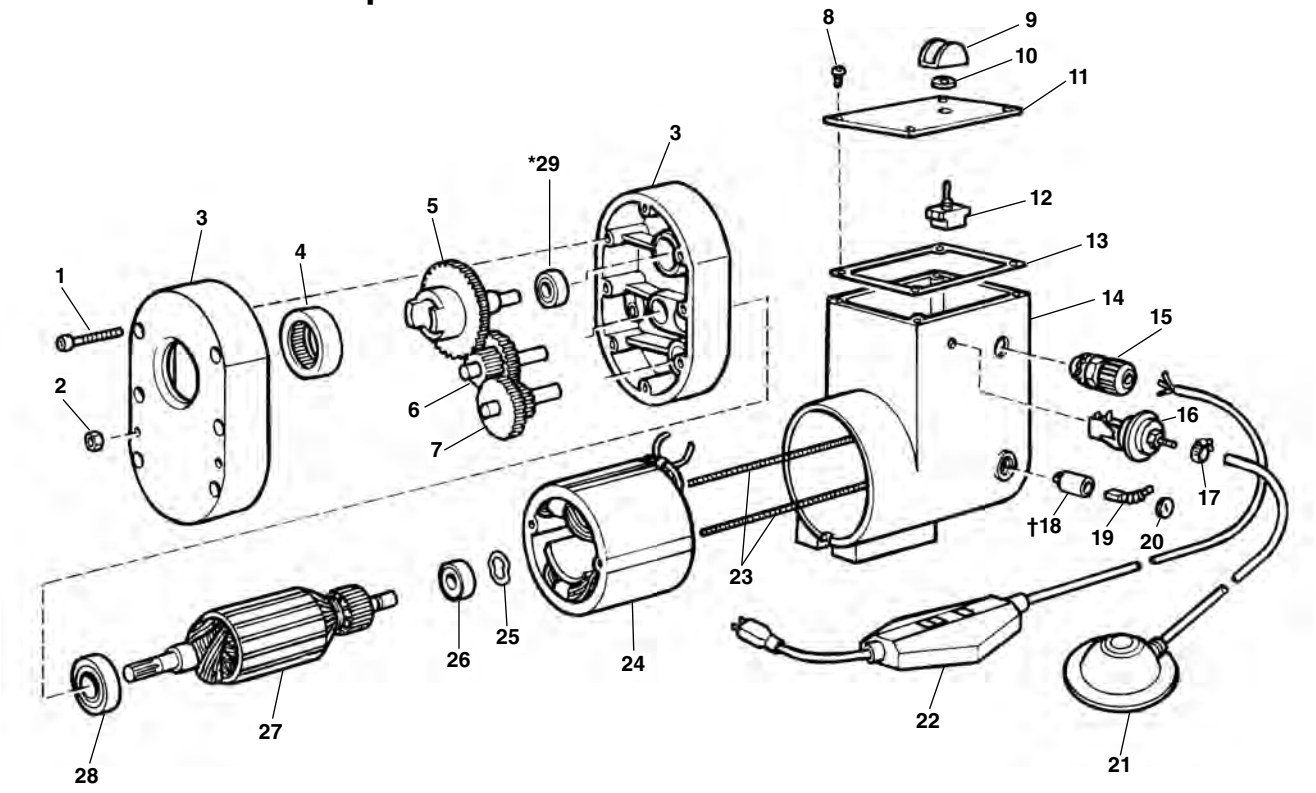


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	60087	AUTOFEED® Assembly
1	60682	Feed Knob
2	60762	Advance/Retrieve Label
3	60692	Top Roller Housing
4	60702	Ball
5	93475	Ball Holder
6	93375	Spring
7	60707	Movable Roller Holder
8	59585	Knob
9	93630	Clutch Handle Assy. w/Knob
10	60737	Bolt 5/16" - 18 x 3", Hex Head (6)
11	44112	Retaining Ring
12	60742	Actuator
13	60697	Return Spring
14	60747	Front Support Plate
15	60752	Roller Bearing (3)
16	27517	Lock Nut 5/16" - 18 (6)
17	60672	Handle (2)
18	61222	Back Support Plate
19	60717	Bearing Spacer (3)
20	60722	Stationary Roller Housing (2)
21	60732	Actuator Pin (6)
22	68362	Spacer 0.12" (2)
23	68367	Thrust Bearing Assembly (2)
24	68372	Spacer 0.235" (2)
25†	68377	Spacer 0.06" (2)
26	89810	Grease Fitting (4)
27†	60727	Stationary Roller Housing (2)

† Service Note: Remove the 0.06″ spacers (Ref. No. 25) from the stationary roller holders (Ref. No. 27) to use the AUTOFEED® on 1/2″ cable.

Motor and Gearbox Components



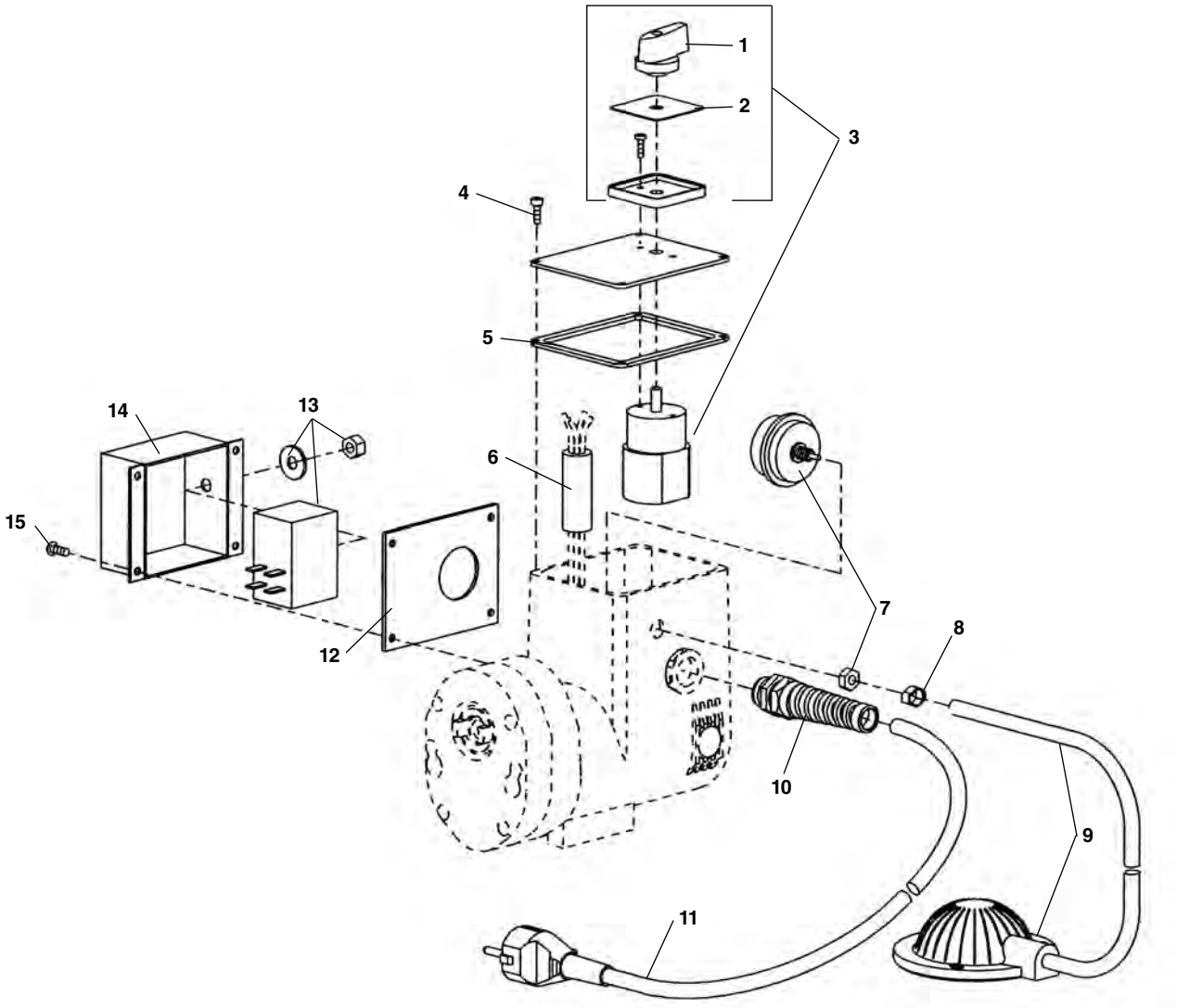
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	56207	Motor/Gear Box Assembly 115V
—	62432	Motor/Gear Box Assembly 230V
—	61707	Motor/Gear Box Assy. 100V Japan
1	46770	10 - 32 x 1" Screw (6)
2	76190	8 - 32 Hex Nut (4)
3	56217	Gear Box Housing w/Bearings
4	56222	Bearing and Seal Set
5	56227	Output Shaft Assembly
6	66792	2nd Int. Gear
7	66787	1st Int. Gear
8	79965	10 - 32 x 1/2" Screw (4)
9	61490	Switch Guard
10	23512	Rubber Washer
11	56247	Cover
12	56252	Toggle Switch
13	56257	Cover Gasket
14	56262	Motor Housing
15	96265	Strain Relief
16	32992	Air Switch
17	35142	Hose Clamp

Ref. No.	Catalog No.	Description
†18	56267	Brush Holder Set
—	56272	Brush Holder Screw (2)
19	56277	Brush Set
20	56282	Brush Cap Set
21	37967	Foot Switch Assembly
22	50507	GFI Line Cord 115V
	15707	Line Cord 230V
	60237	Line Cord 100V
23	56287	Field Stud (2)
24	56292	Field Assembly 110/115V
	60257	Field Assembly 230V
	60247	Field Assembly 100V
25	56297	Wavy Washer
26	56302	Bearing
27	56307	Armature 110/115V
	60252	Armature 230V
	60242	Armature 100V
28	56312	Bearing
*29	56332	Thrust Bearing

†Service Note: Brush holder screws are located under field studs (Ref. No. 23).
* Ref. 29 Assemble stamped end into housing.

European Electrical Components

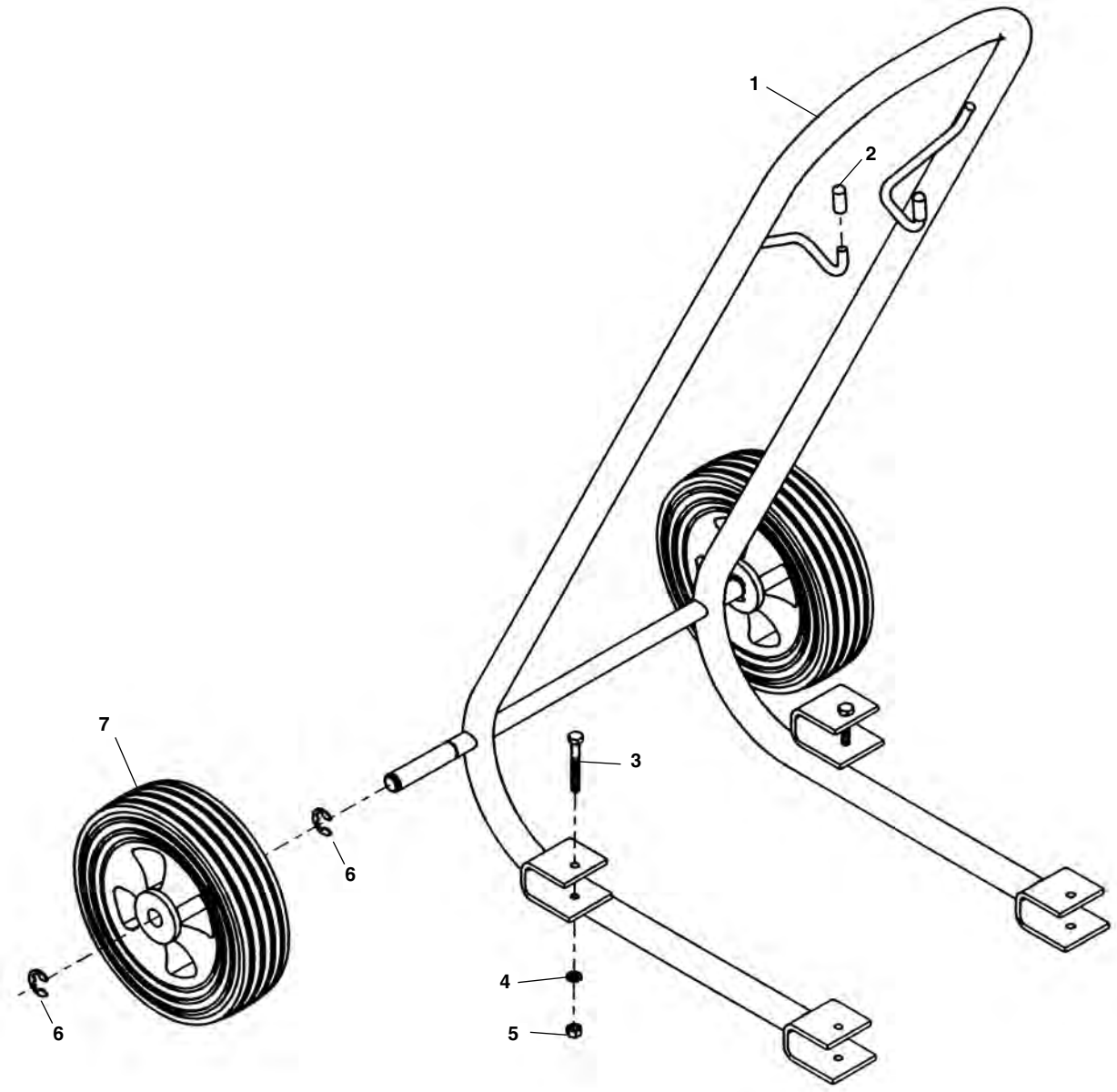


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	67892	220V Motor Assembly - Europe	8	35142	Clamp
—	67897	110V Motor Assembly - Europe	9	37967	Foot Switch w/Hose
1	61397	Switch Knob	10	27187	Strain Relief w/Lock Nut
2	57517	Face Plate	11	39562	Power Cord - 220V
3	54157	Switch Assembly		45022	Power Cord - 110V
4	79965	Screw 10 - 32 x 1/2" (4)	12	67907	Gasket
5	56257	Gasket	13	63372	Suppressor w/Washer & Nut
6	63377	Ferrite Bead	14	67902	Suppressor Box
7	32992	Air Switch	15	36787	Screw #10 Self-tapping

Note: Refer to Motor and Gearbox Components for internal motor parts.

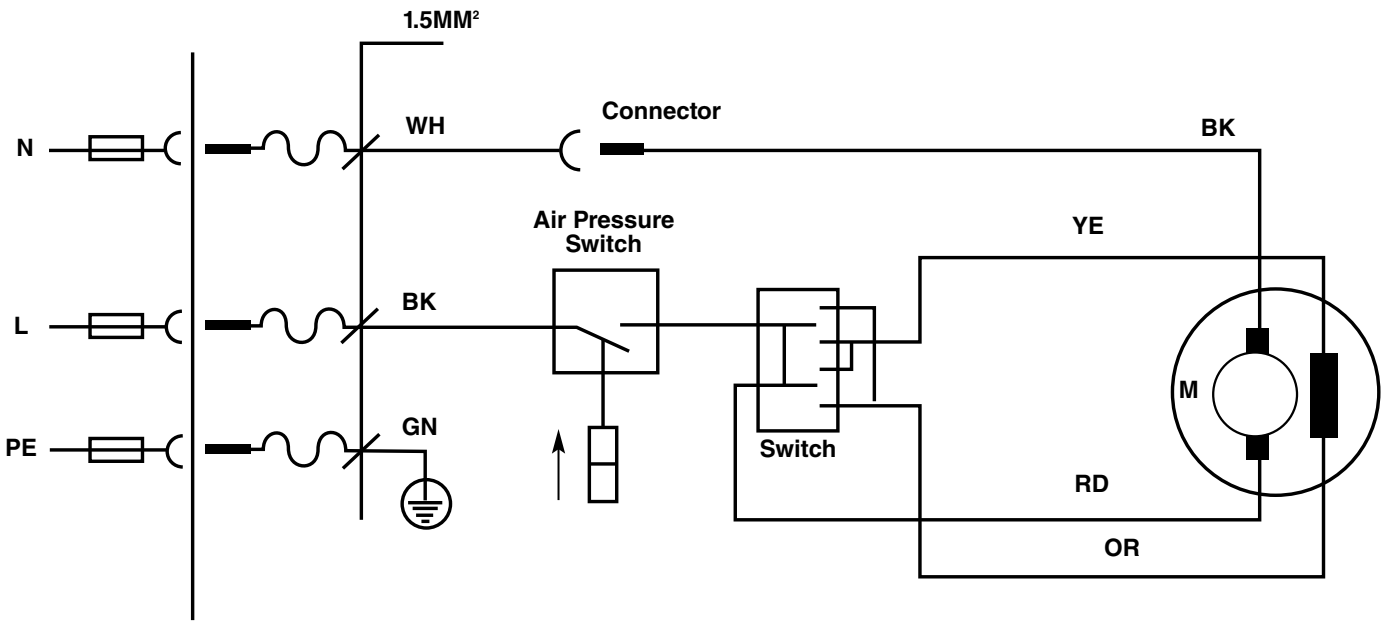
Transport Cart Components



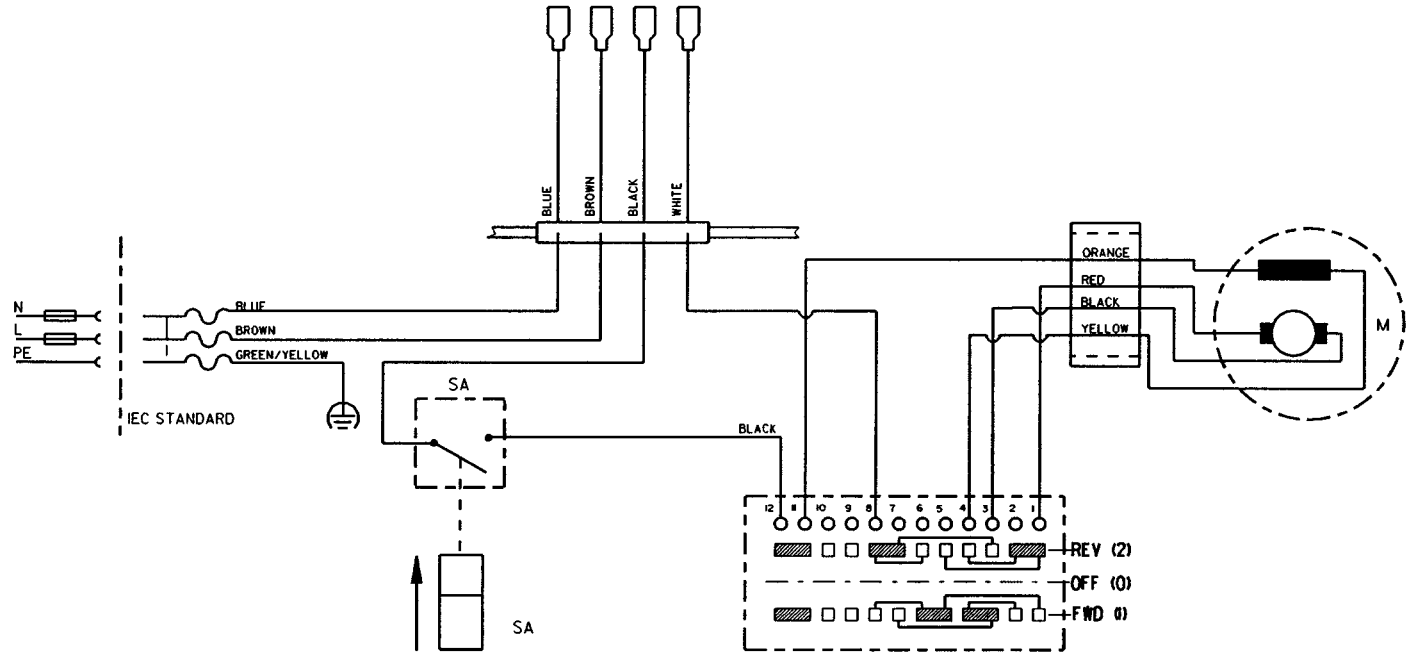
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	55017	Transport Cart
1	64872	Frame
2	50202	Vinyl Cap (2)
3	64877	Bolt ¼" – 20 x 2" (2)
4	60075	Lock Washer (2)
5	77710	Jam Nut (2)
6	42580	Retaining Ring (4)
7	93325	Wheel (2)

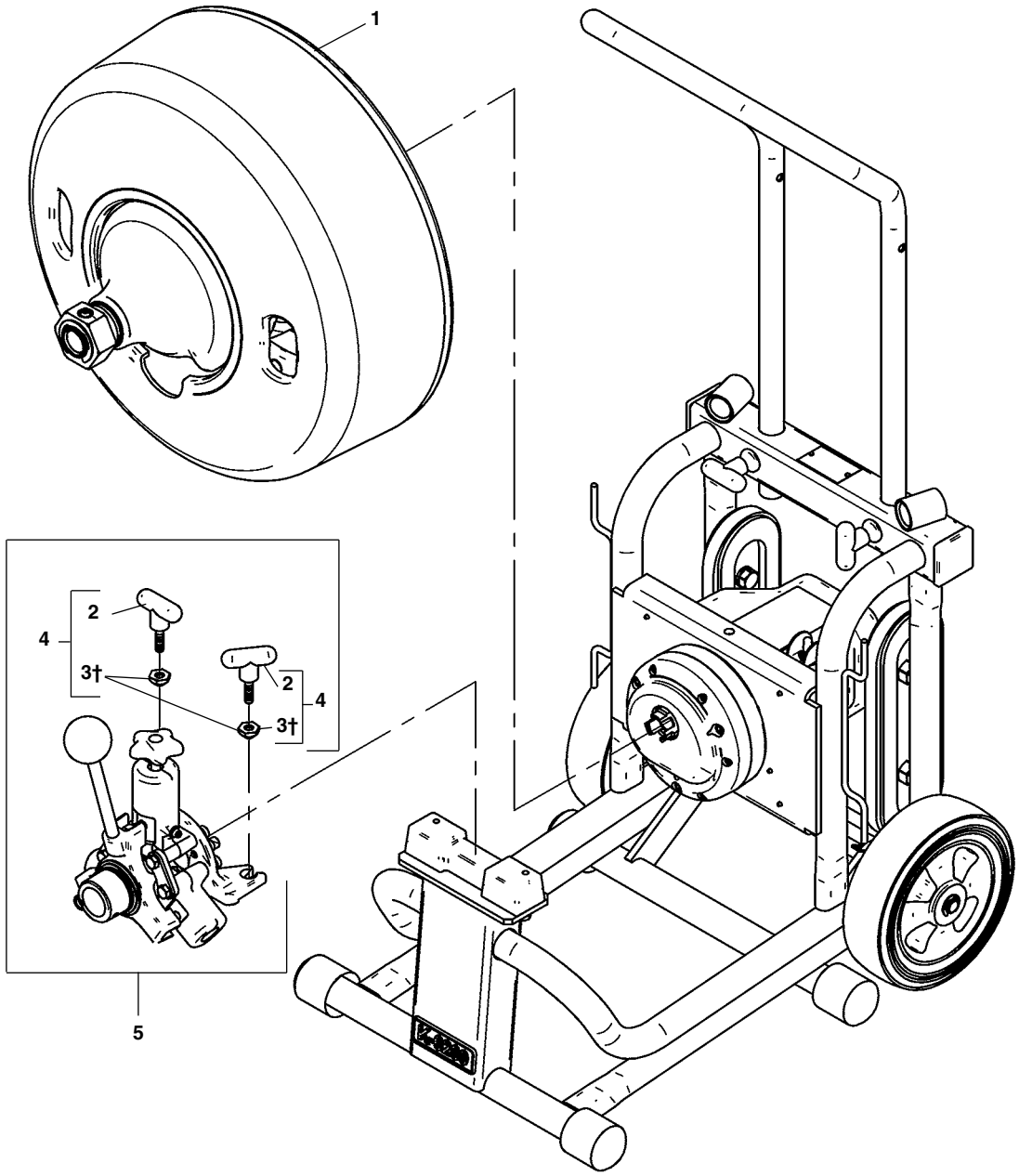
Wiring Diagram 115V/25-60 Hz



Wiring Diagram 110/220V 50 Hz



Main Components

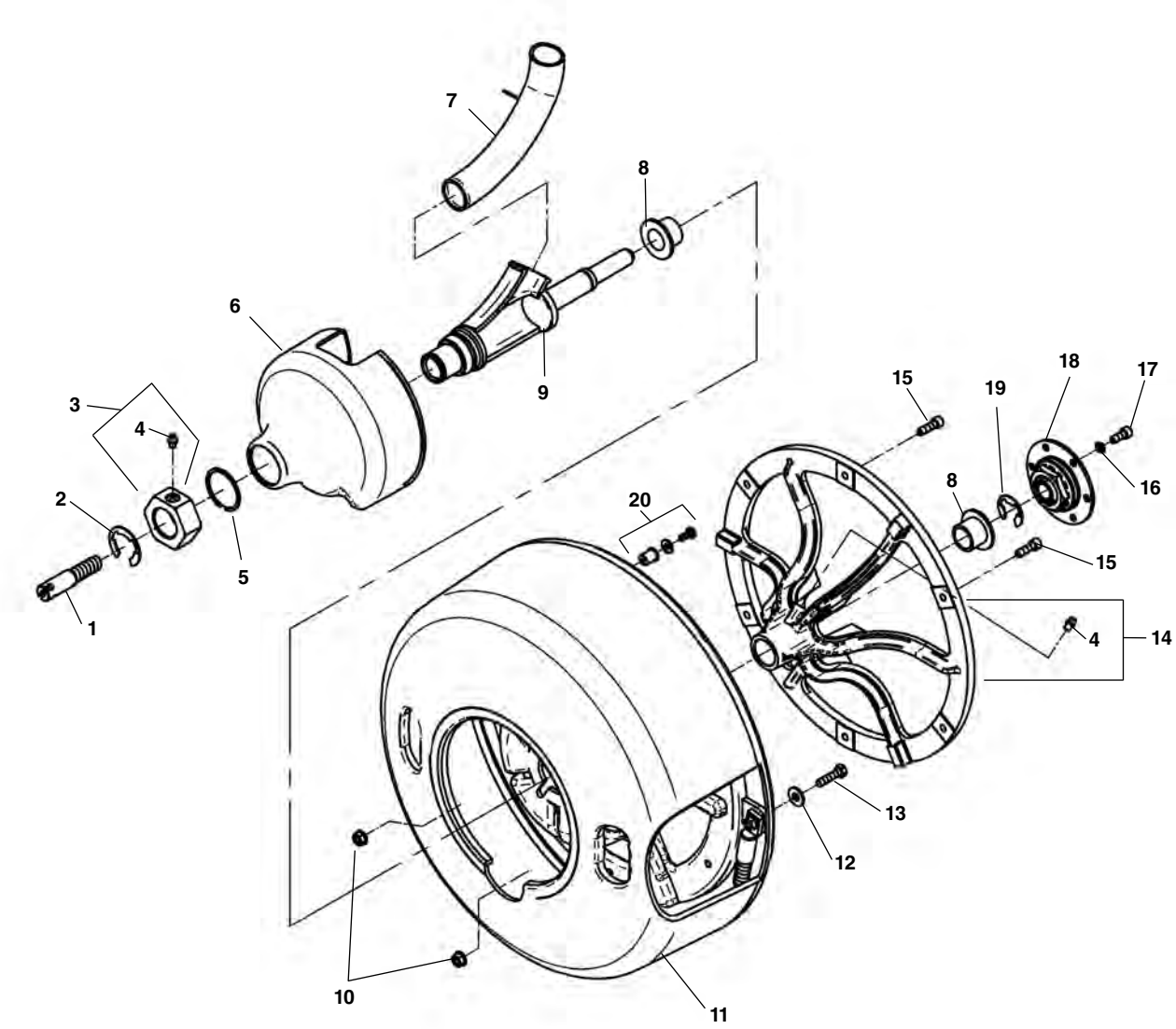


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	95802	Drum Assembly
2	60622	Mounting Knob (2)
3†	95832	Locator Ring (2)
4	60672	Mounting Knob Assembly (2)
5	95812	AUTOFEED® Assembly

† Apply Loctite to Locator Ring.

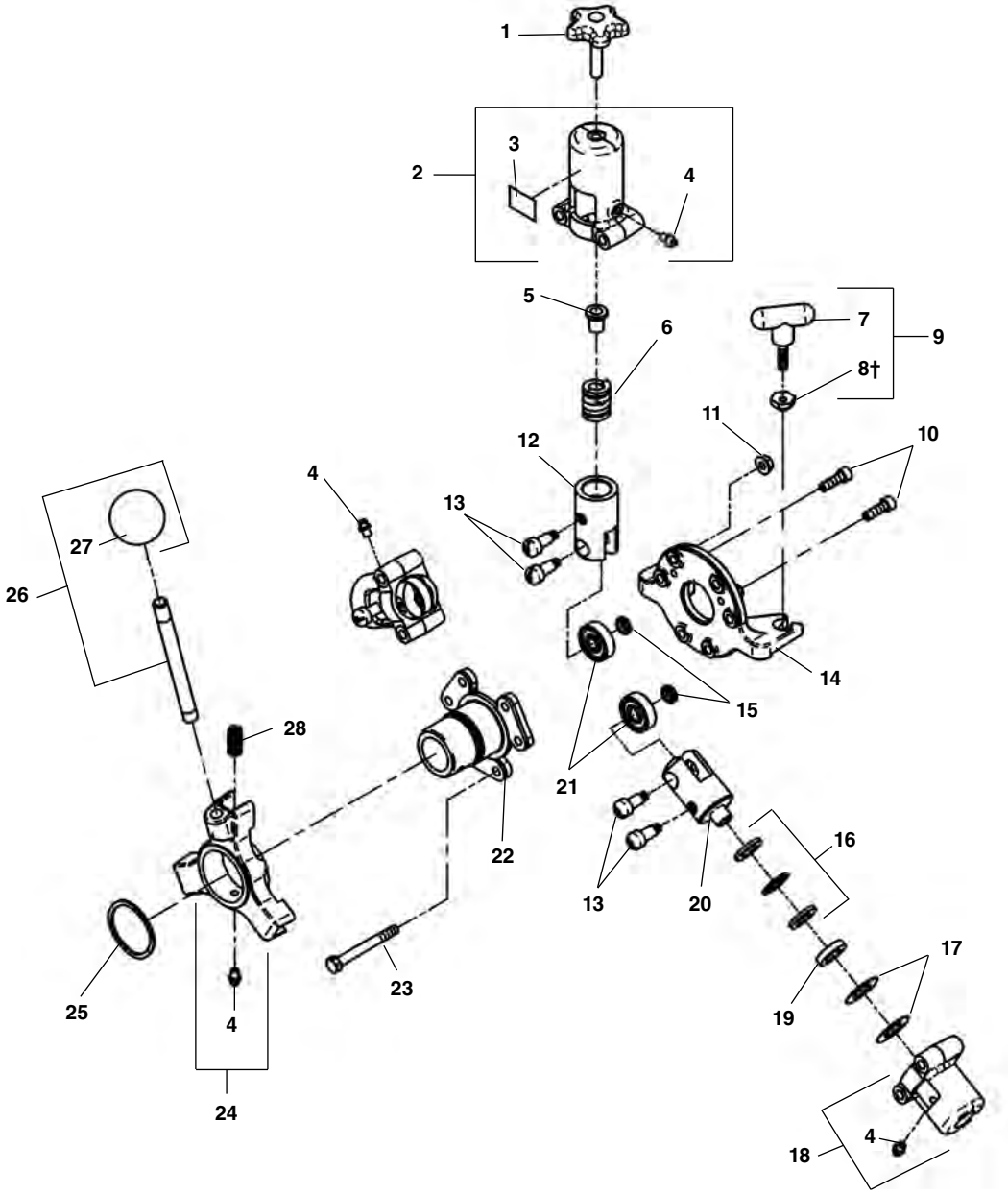
Standard Drum Components



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

Ref. No.	Catalog No.	Description
—	95802	Drum Assembly
1	44122	Pigtail
2	64042	Retaining Clip
3	95692	Bearing Block
4	89810	Grease Fitting (2)
5	95697	Retaining Ring
6	95687	Inner Drum
7	95682	Guide Tube
8	95672	Flange Bearing (2)
9	95677	Guide Tube Shaft
10	27517	Nut, Flange 5/16" - 18 (7)
11	95662	Drum
12	35005	Washer, Flat 5/16"
13	60515	Screw, Hex Head 5/16" - 18 x 1 1/4"
14	95667	Drum Support
15	61020	Screw, Socket Head 5/16" - 18 x 1" (6)
16	95837	Washer, Lock 5/16" (3)
17	32270	Screw, 5/16" - 18 x 3/4" (3)
18	95702	Clutch Assembly
19	44860	Retaining Clip
20	60552	Drain Plug

AUTOFEED®

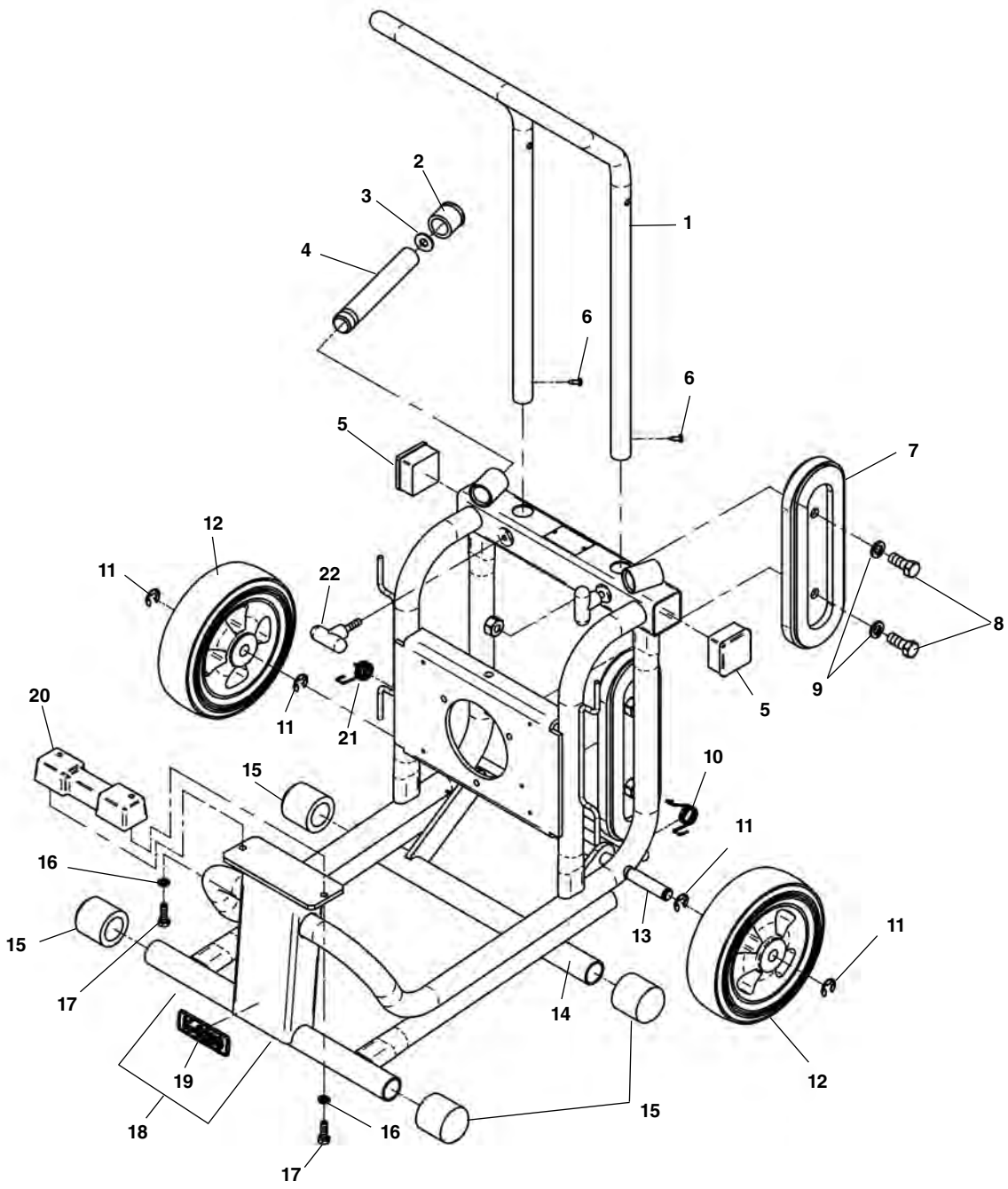


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	95812	AUTOFEED® Assembly
1	60682	Feed Knob
2	60692	Top Roller Housing
3	60762	Advance/Retrieve Label
4	89810	Grease Fitting (4)
5	93475	Ball Holder
6	93375	Spring
7	60622	Mounting Knob (2)
8†	95832	Locator Ring (2)
9	60672	Mounting Knob Assembly (2)
10	32270	Screw Socket Head 5/16" - 18 x 3/4" (2)
11	27517	Lock Nut 5/16" - 18 (6)
12	60707	Movable Roller Holder
13	60732	Actuator Pin (6)
14	95632	Back Support Plate
15	60717	Bearing Spacer (3)
16	68367	Thrust Bearing Assembly (2)
17	60037	Spacer (4)
18	60727	Stationary Roller Housing (2)
19	68372	Spacer 0.235″ (2)
20	60722	Stationary Roller Holder (2)
21	60752	Roller Bearing (3)
22	60747	Front Support Plate
23	60737	Bolt 5/16" - 18 x 3″, Hex Head (6)
24	60742	Actuator
25	44112	Retaining Ring
26	93630	Clutch Handle Assembly w/Knob
27	59585	Knob
28	60697	Return Spring

† Apply Loctite to Locator Ring

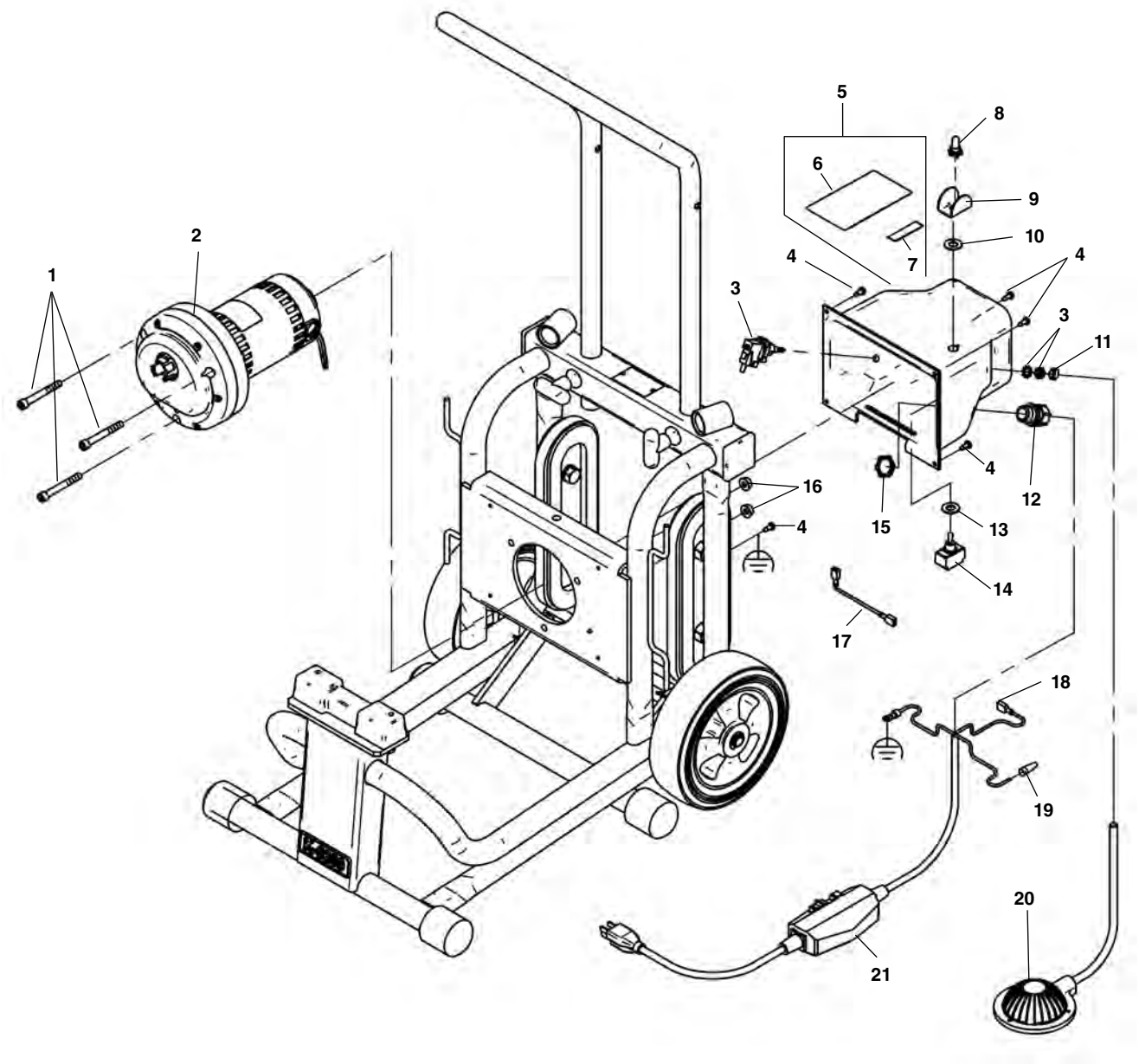
Frame



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	95657	Handle	12	93325	Wheel (2)
2	37962	Rubber Tip (2)	13	95642	Axle
3	60847	Washer, Flat (2)	14	95647	Stabilizer
4	95867	Pipe Leg (2)	15	23607	End Cap (2)
5	66027	Square Plug (2)	16	60080	Washer, Lock 5/16" (2)
6	68937	Self-Tap Screw (2)	17	60820	Screw, Hex Head 5/16" - 18 x 1" (2)
7	60607	Stairclimber (2)	18	95637	Frame
8	60020	Bolt, Hex Head 1/2" - 13 x 1 1/4" (4)	19	95707	Model Plate
9	43942	Washer, Lock 1/2" (4)	20	95652	AUTOFEED® Support
10	43917	Spring LH	21	43922	Spring RH
11	42580	Retaining Ring (4)	22	60622	Mounting Knob (2)

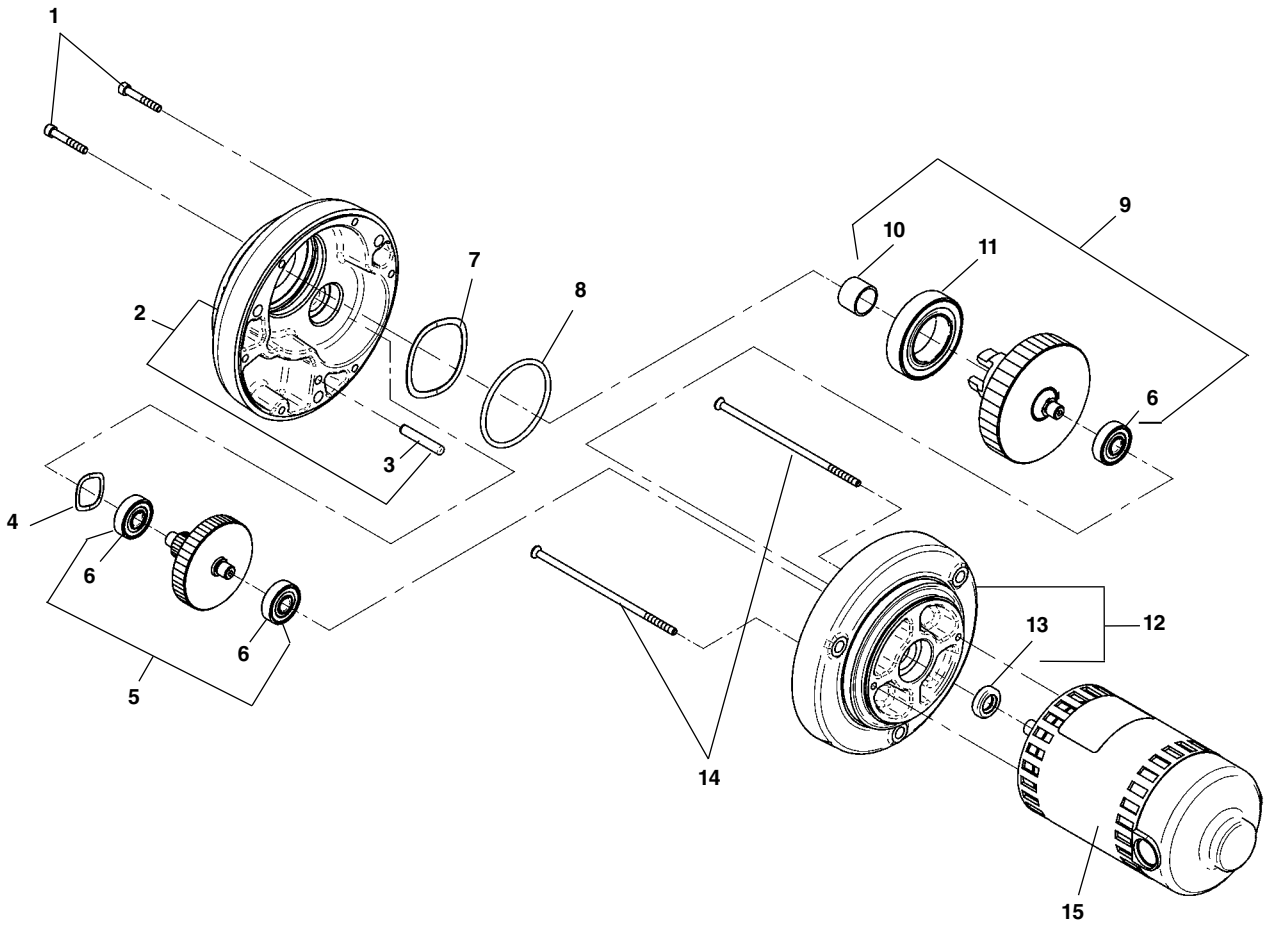
Electrical Components



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

Ref. No.	Catalog No.	Description
1	27107	Screw, Socket Head 5/16" - 18 x 2 1/2" (3)
2	95622	Motor Gearbox Assembly
3	32992	Air Switch
4	68937	Screw, Self-Tapping (5)
5	95627	Motor Cover
6	60767	Warning Decal
7	23687	FORWARD/OFF/REVERSE Decal
8	23507	Rubber Boot
9	61940	Switch Guard
10	23512	Rubber Washer
11	35142	Hose Clamp
12	96265	Strain Relief
13	66892	Locking Ring
14	56252	Switch
15	80065	Nut, 3/4" NPT
16	27517	Nut, Flange 5/16" - 18 (3)
17	95842	Jumper Wire Assembly
18	48072	Quick Disconnect, Female (6)
19	44635	Wire Nut
20	60462	Foot Switch
21	50507	Power Cord, GFCI

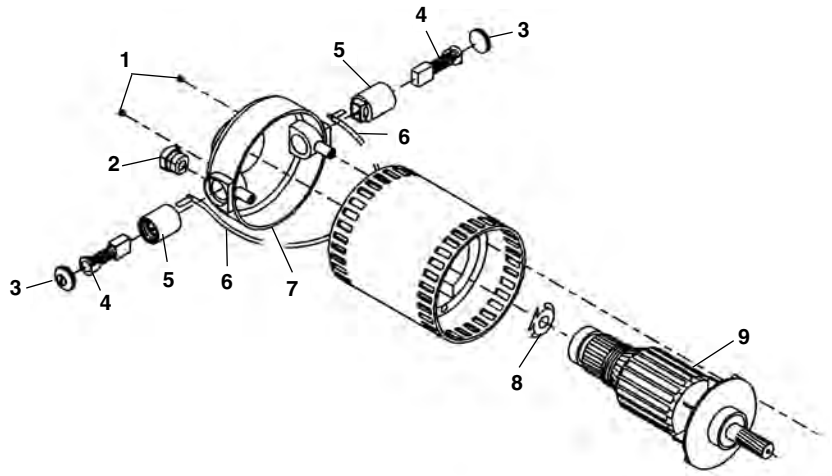
Motor/Gearbox Components



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	95622	Motor/Gearbox Assembly	8	95942	O-Ring
1	90255	Screw	9	95947	Output Gear Assembly
2	95922	Gearcase, Front	10	95952	Sleeve Bearing
3	95927	Pin	11	95957	Bearing
4	58502	Wave Washer	12	95962	Gear Case, Back
5	95932	Gear Assembly, 1st Intermediate	13	95967	Seal
6	44760	Bearing	14	60532	Screw
7	95937	Wave Washer	15	95972	Motor

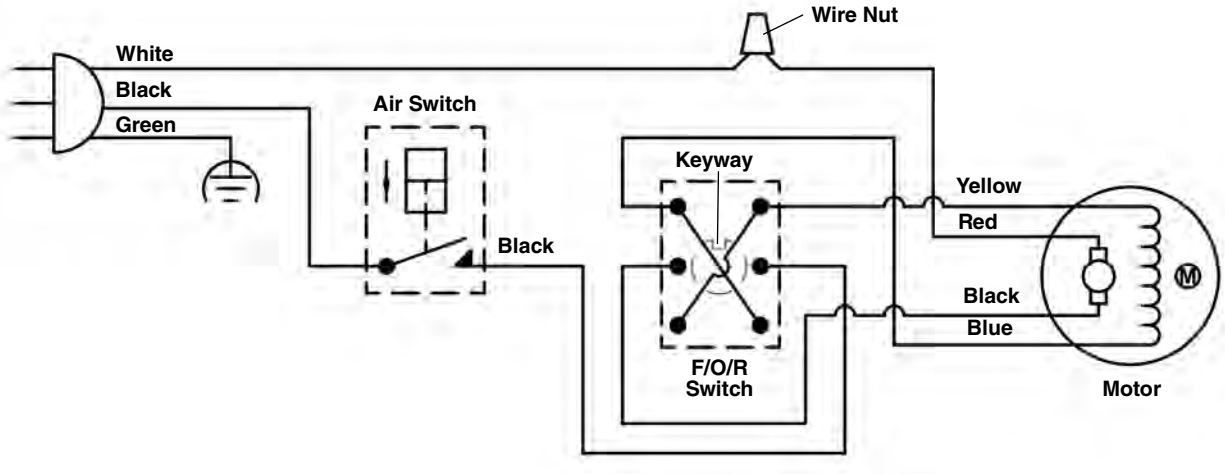
Motor Components



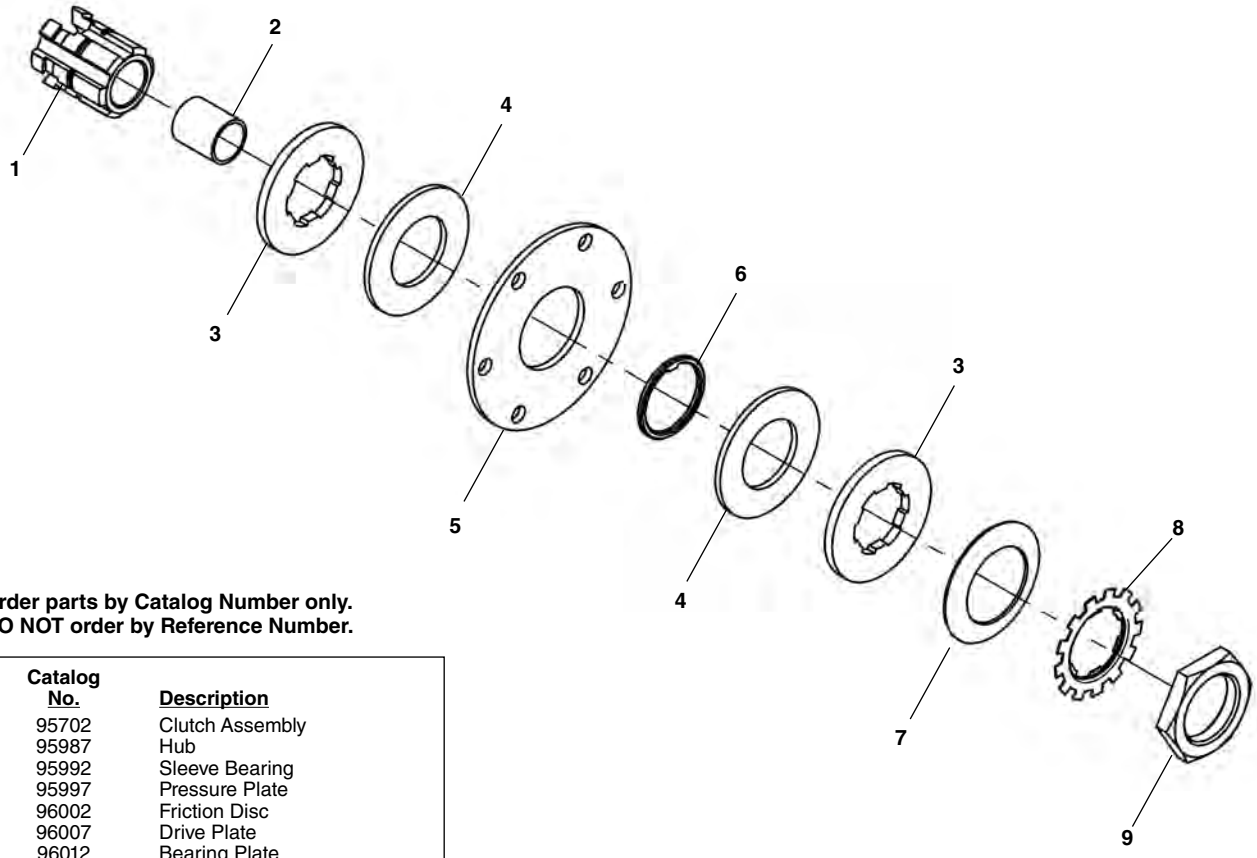
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	95972	Motor
1	60492	Brush Holder Screw
2	69467	Strain Relief
3	60467	Brush Cap Set
4	60472	Brush Set
5	60482	Brush Holder Set
6	60487	Brush Lead Set
7	60522	Rear Housing
8	60512	Loading Spring
9	95982	Armature w/Bearing

Wiring Diagram



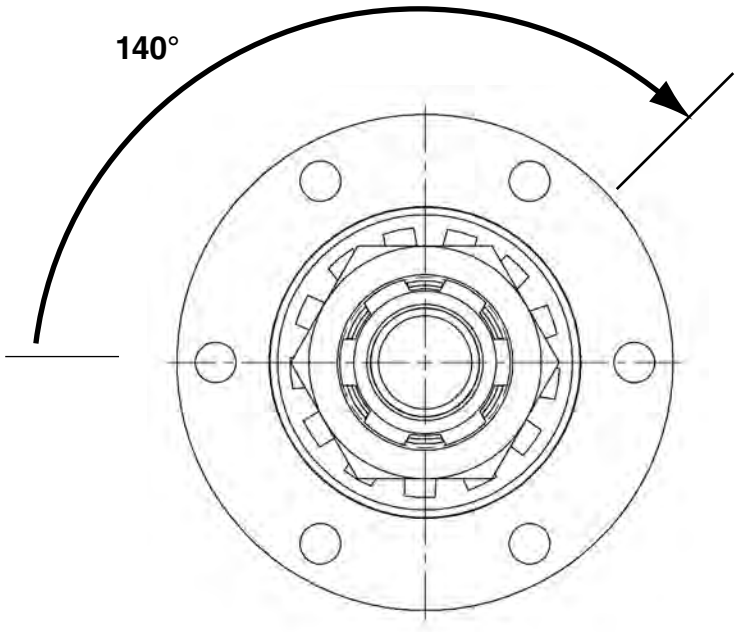
Clutch



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

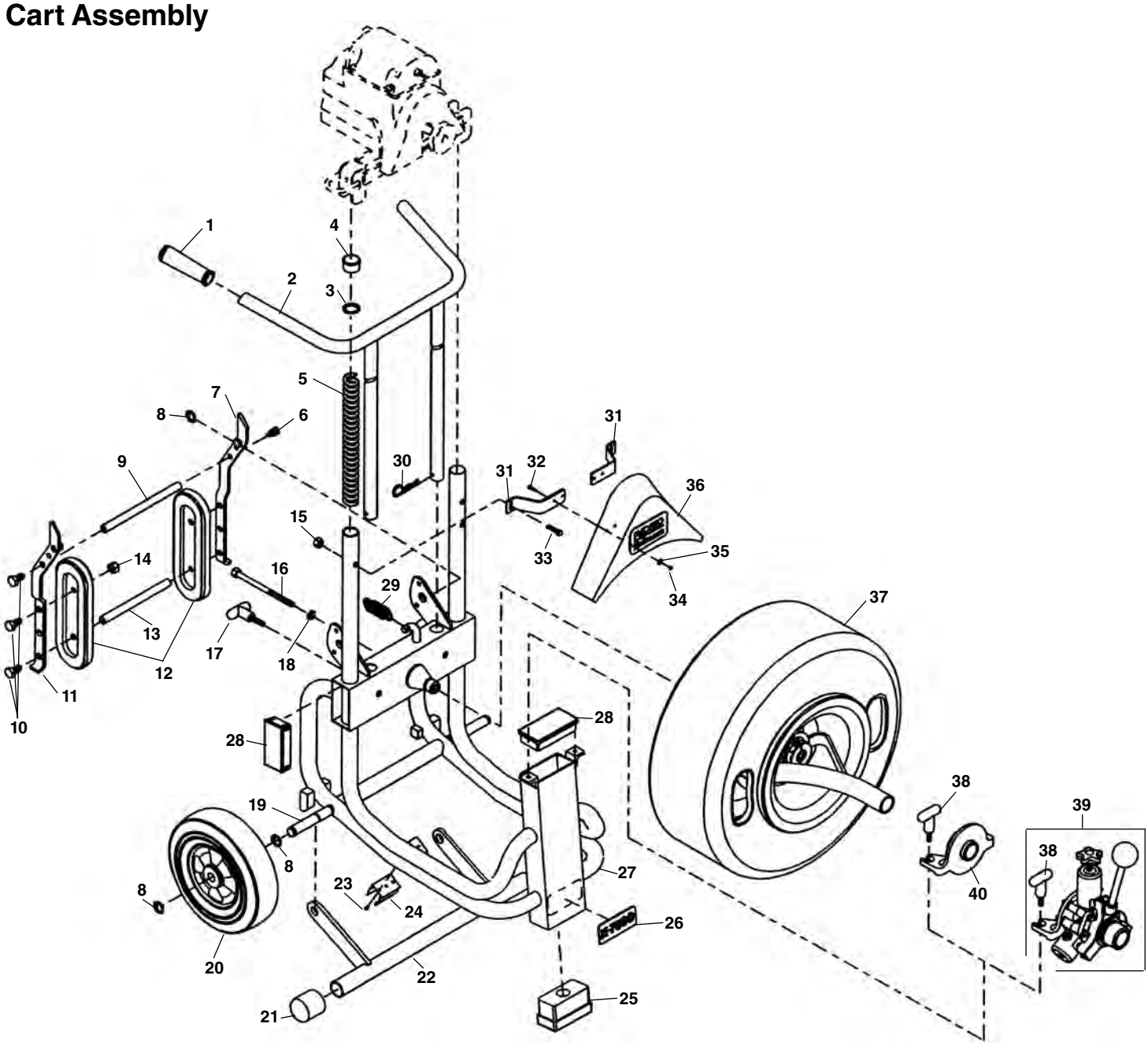
Ref. No.	Catalog No.	Description
—	95702	Clutch Assembly
1	95987	Hub
2	95992	Sleeve Bearing
3	95997	Pressure Plate
4	96002	Friction Disc
5	96007	Drive Plate
6	96012	Bearing Plate
7	96017	Spring Disc
8	96022	Lock Washer
9	96027	Nut

Clutch Tightening Specification



1. Hand tighten clutch nut.
2. Tighten nut 140 degrees past hand tight.

Cart Assembly



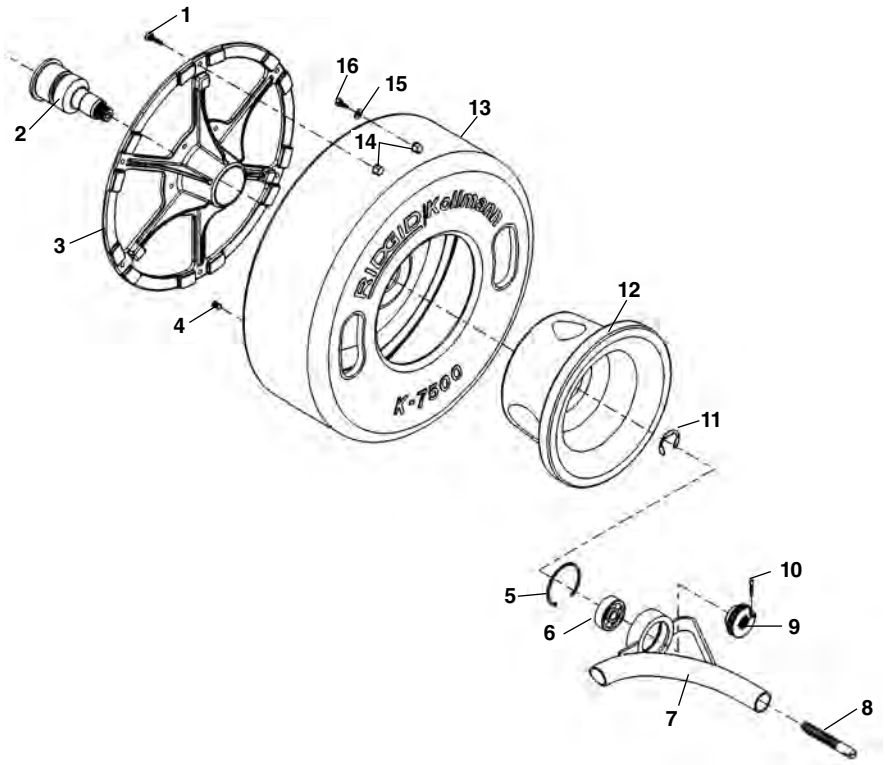
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	60827	Hand Grips (2)
2	60587	Handle
3	61472	Washer
4	60422	Cap Plug (2)
5	65447	Compression Spring
6	59510	Plunger Pin
7	60592	Right Pivot Arm
8	60050	Retaining Ring (8)
9	60597	Tie-Spring Bar
10	60020	Hex Bolt 1/2" – 13 x 1 1/4" (6)
11	60602	Left Pivot Arm
12	60607	Stairclimber (2)
13	60612	Stairclimber Bar
14	78005	Nut 1/2" – 13 (2)
15	69010	Nut 1/4" – 20 (2)
16	60617	Bolt 1/2" – 13 x 6"
17	60622	Mounting Knob (2)
18	43942	Lock Washer 1/2"
19	60627	Axle
20	23602	Wheel (2)
21	23607	End Cap (2)
22	60632	Stabilizer
23	60637	Self-Tap Screw #6 – 32 (2)
24	60642	Spring Clip
25	60647	Rest Pad
26	60652	Model Plate
27	60657	Frame
28	60662	Cap Plug
29	60667	Spring
30	60677	Cotter Hairpin (2)
31	43967	Guard Bracket (2)
32	43962	Screws #10 – 24 x 3/4" (8)
33	43972	Carriage Bolt (2)
34	87970	Hex Nut #10 – 24 (4)
35	61310	Lock Washer #10 (4)
36	44027	Belt Guard
37	61107	Drum Assembly w/5/8" Pigtail
	60042	Drum Assembly w/3/4" Pigtail
38	60672	Assembly Knob (2)
39	60032	AUTOFEED® Assembly
40	61227	Manual Feed Assembly

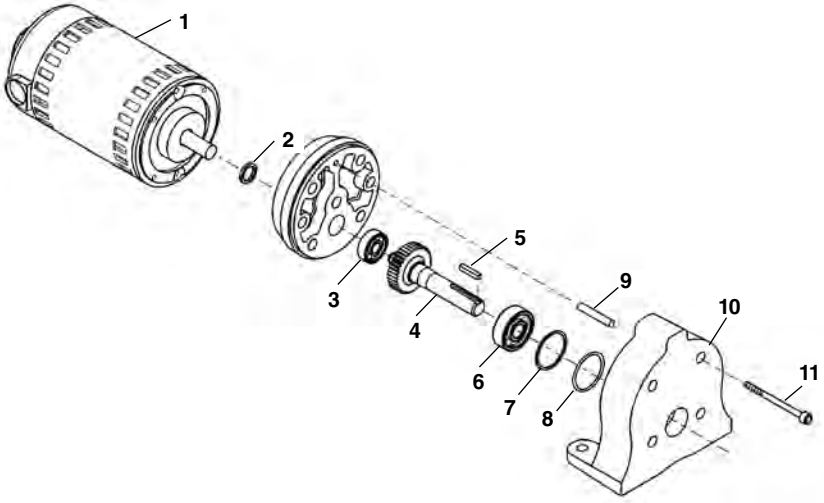
Drum Assembly

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

Ref. No.	Catalog No.	Description
—	61107	Drum Assembly. w/5/8" Pigtail
—	60042	Drum Assembly w/3/4" Pigtail
1	44590	Bolt 5/16" - 18 x 1" (9)
2	60537	Drum Shaft
3	60547	Drum Support
4	60552	Drain Plug
5	60567	Retaining Ring
6	50802	Bearing
7	60557	Guide Tube
8	44117	3/4" Pigtail
	44122	5/8" Pigtail
9	60562	Knurled Knob
10	40910	Screw
11	64042	Retaining Ring
12	60572	Inner Drum
13	60577	Outer Drum
14	27517	Lock Nut 5/16" - 18
15	35055	Washer
16	60515	Bolt 5/16" - 18 x 1 1/4"

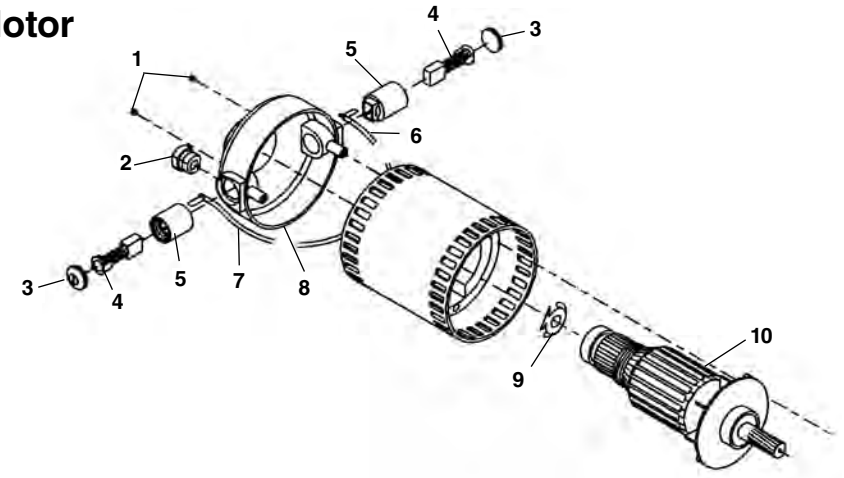


Motor/Gearbox Assembly



Ref. No.	Catalog No.	Description
—	72587	Motor/Gearbox Assembly - 115V
—	72582	Motor/Gearbox Assembly - 230V
1	75622	Motor Only - 115V
	75627	Motor - 230V
2	60442	Seal
3	44760	Bearing
4	60432	Main Drive Shaft w/Key
5	60457	Key
6	44565	Bearing
7	60427	Wave Spring
8	61837	O-Ring
9	77097	Dowel Pin 3/16" x 1 5/8"
10	60397	Front Gear Housing
11	60402	Screw #10-32 x 2 3/4"

Motor

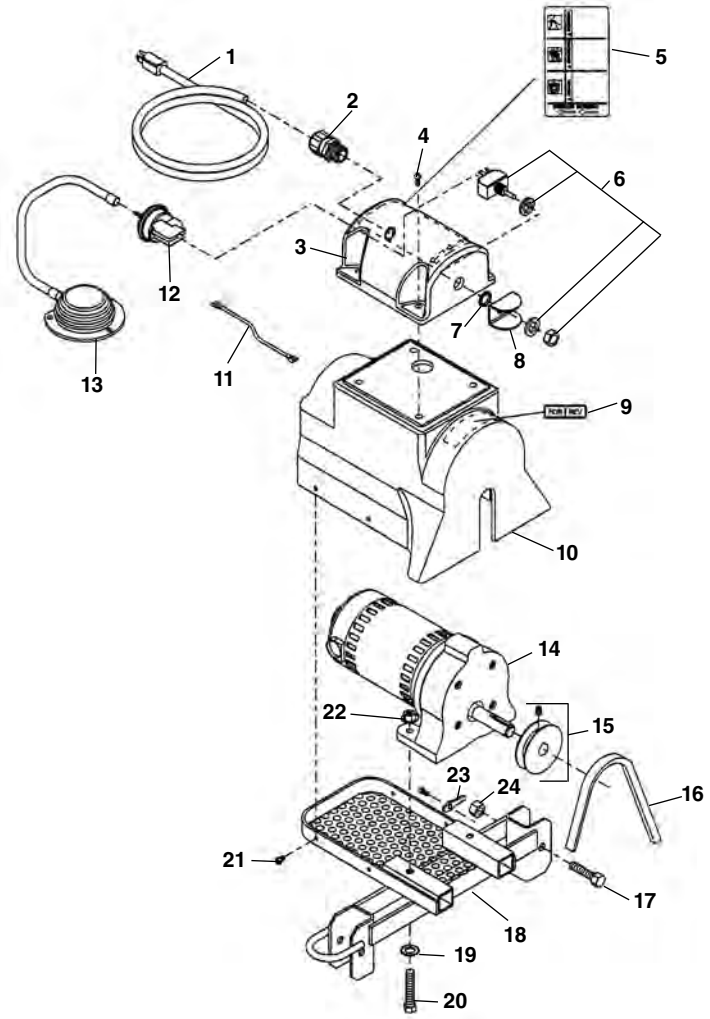


Ref. No.	Catalog No.	Description
—	75622	Motor - 115V
	75627	Motor - 230V
1	60492	Brush Holder Screw
2	60497	Strain Relief
3	60467	Brush Cap Set
4	72482	Brush Set (115V)
	60472	Brush Set (230V)
5	60482	Brush Holder Set
6	60487	Black Brush Lead
7	60502	Red Brush Lead
8	60522	Rear Housing
9	60512	Loading Spring
10	60517	Armature w/Bearing (115V)
	72492	Armature w/Bearing (230V)

Motor Table

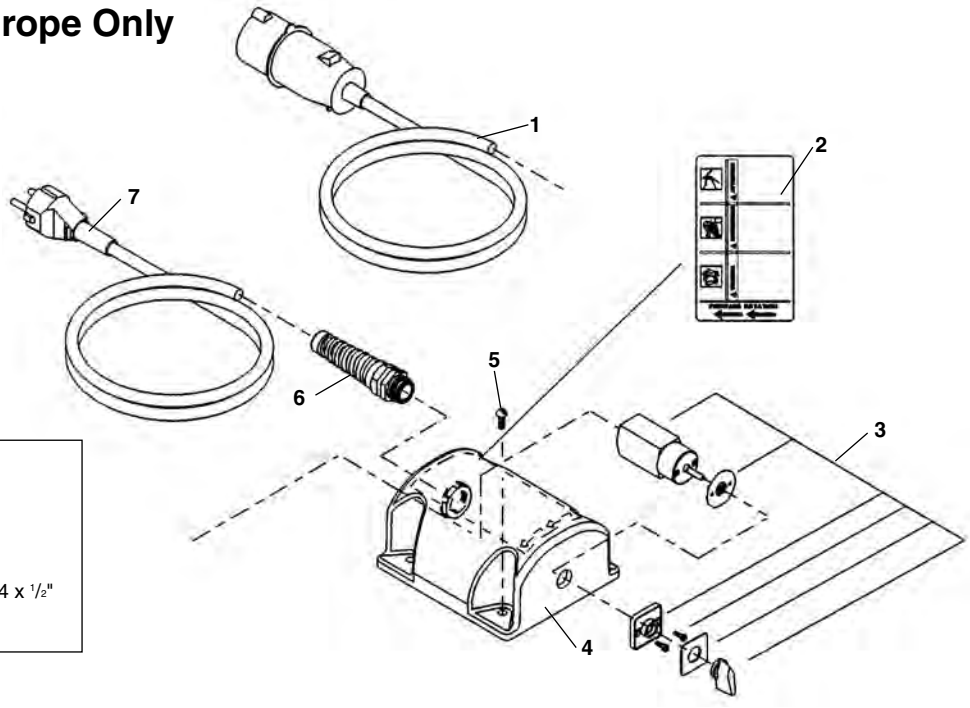
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	50507	Line Cord w/GFI
2	96265	Strain Relief
3	60387	Switch Cover
4	43962	Screw #10 - 24 x 3/4" (8)
5	60767	Safety Sticker
6	56252	Switch
7	23512	Rubber Washer
8	61490	Switch Guard
9	23687	FOR/REV Label
10	60392	Motor Cover
11	61477	Connecting Wire
12	32992	Air Switch
13	60462	Foot Switch Assembly
14	72587	115V Motor/Gearbox Assembly
	72582	230V Motor/Gearbox Assembly
15	60407	Pulley
16	60412	V-Belt
17	43992	Screw 3/8" - 16 x 2"
18	60417	Motor Table
19	61445	Lock Washer 5/16"
20	43757	Screw 5/16" - 18 x 2 (2)
21	36787	Screw #10 - 24 (5)
22	27517	Lock Nut 5/16" - 18 (18)
23	62857	Bonding Braid
24	79985	Lock Nut 3/8"



Electrical Components Europe Only

Ref. No.	Catalog No.	Description
1	45022	Line Cord 110V Europe
2	62837	Warning Label Europe
3	54157	Switch Rotary
4	62832	Switch Cap – Rotary
5	43962	Round Hd. Scr. #10 – 24 x 1/2"
6	29788	Strain Relief
7	39562	230V Line Cord

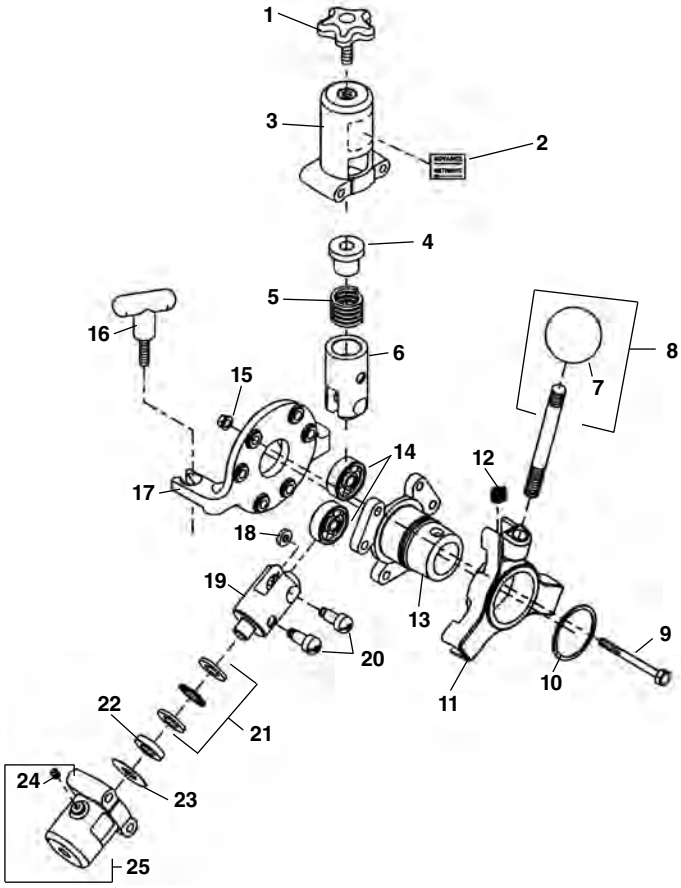


AUTOFEED® Assembly

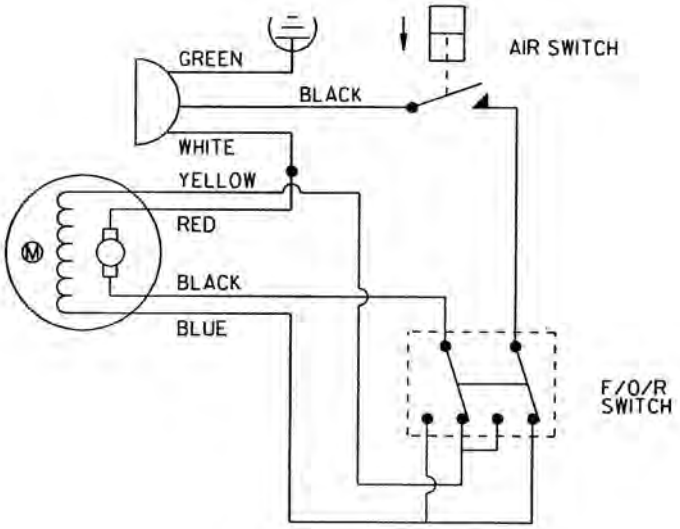
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
c	60032	AUTOFEED® Assembly
1	60682	Feed Knob
2	60762	Advance/Retrieve Label
3	60692	Top Roller Housing
4	93475	Ball Holder
5	93375	Spring
6	60707	Movable Roller Holder
7	59585	Knob
8	93630	Clutch Handle Assy. w/Knob
9	60737	Bolt 5/16" - 18 x 3", Hex Head (6)
10	44112	Retaining Ring
11	60742	Actuator
12	60697	Return Spring
13	60747	Front Support Plate
14	60752	Roller Bearing (3)
15	27517	Lock Nut 5/16" - 18 (6)
16	60672	Handle (2)
17	60712	Back Support Plate
18	60717	Bearing Spacer (3)
19	60722	Stationary Roller Housing (2)
20	60732	Actuator Pin (6)
21	68367	Thrust Bearing Assembly (2)
22	68372	Spacer 0.235" (2)
23†	68377	Spacer 0.06" (2)
24	89810	Grease Fitting (4)
25†	60727	Stationary Roller Housing (2)

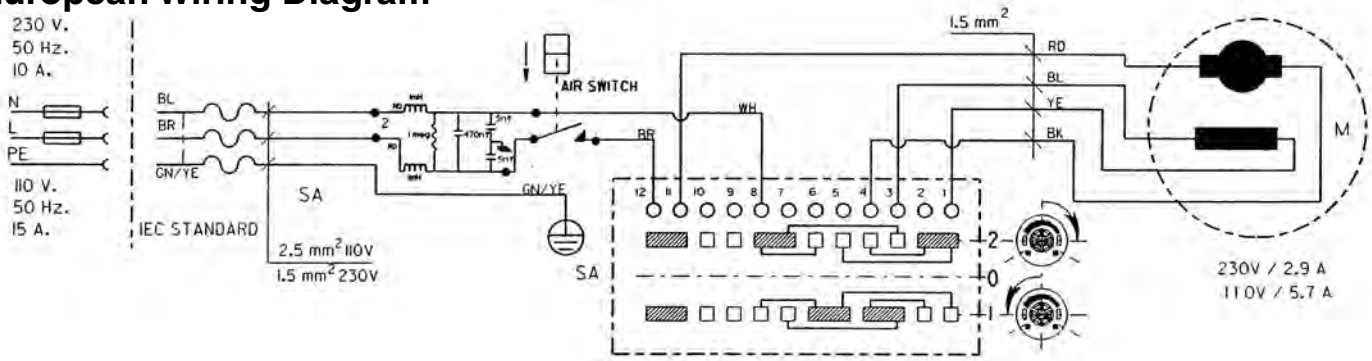
† Service Note: Add the 0.06" spacers (Ref. No. 23) to the stationary roller holders (Ref. No. 25) to use the AUTOFEED® on 5/8" cable.



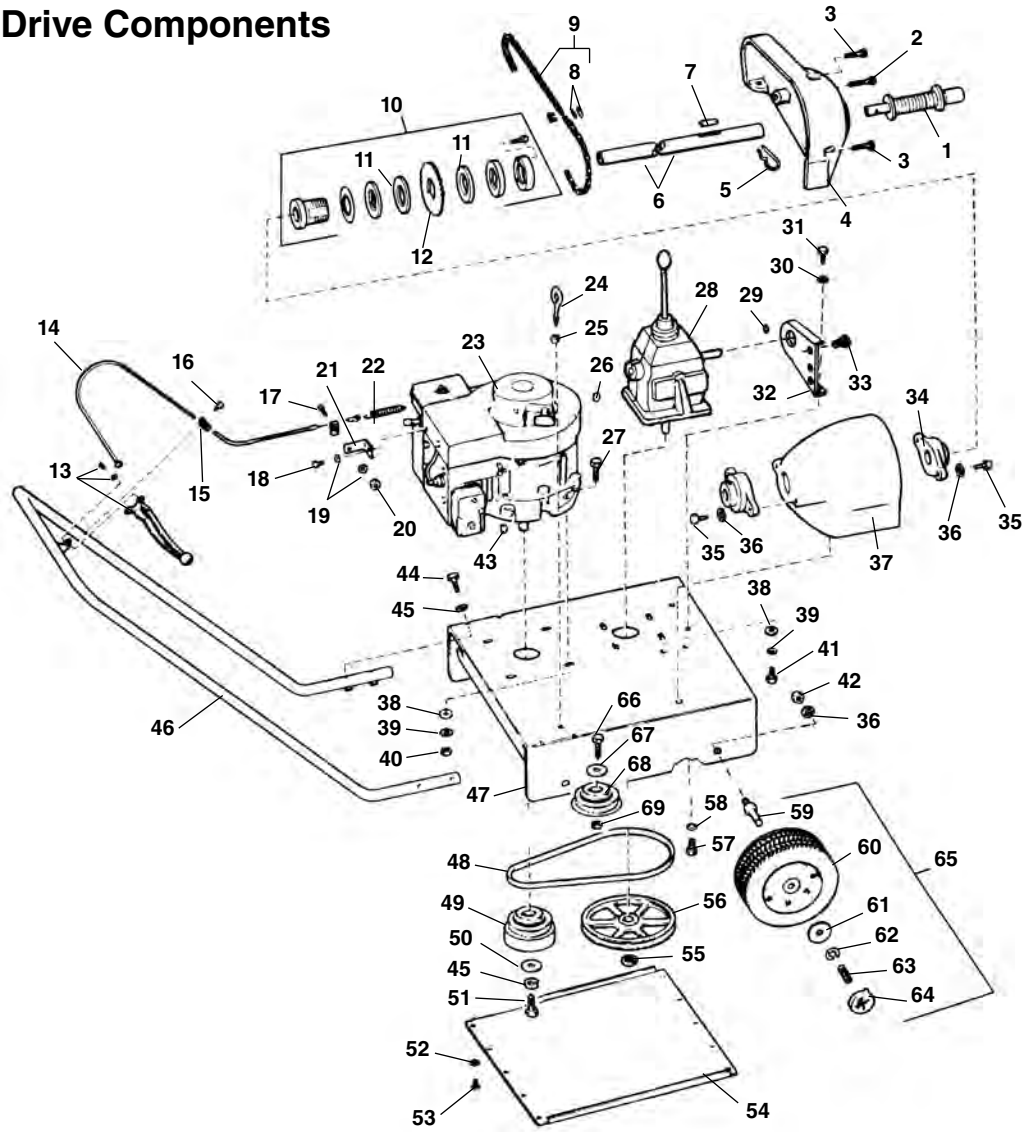
Wiring Diagram



European Wiring Diagram



Cart and Drive Components



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

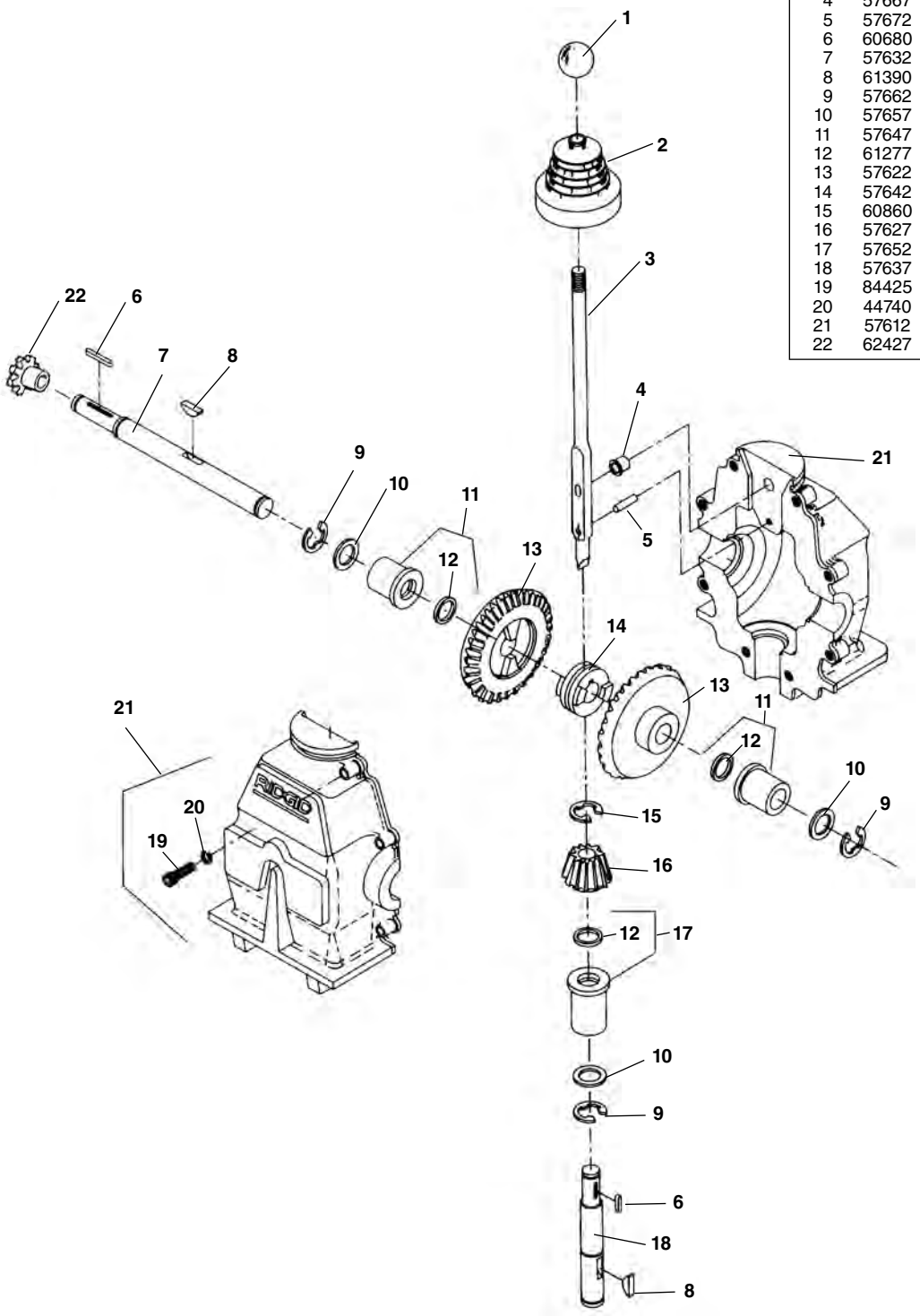
Ref. No.	Catalog No.	Description
1	62170	B-3542 Rod Holder
2	59915	A-2192 Screw
3	59920	A-2193 Screw (2)
4	62490	D-3544 Guard
5	61400	A-3567 Drive Pin
6	62180	B-3548 Drive Shaft
7	61425	A-3572 Key
8	60625	A-2643 Master Link
9	61405	A-3568 Chain (Incl. Ref. #8)
10	61415	A-3570 Torque Limiter
11	61420	A-3571 Fiber Disc (2)
12	61410	A-3569 Sprocket
13	61365	A-3560 Throttle Handle
14	61370	A-3561 Throttle Cable
15	61430	A-3574 Clamp
16	61500	A-427 Self-Tapping Screw
17	79965	E-1667 Screw
18	—	*Bolt
19	61310	A-3439 Washer (2)
20	60200	A-2382 Nut
21	61350	A-3554 Bracket
22	59545	A-132 Spring
23	66977	Engine/6HP
24	59225	A-899 Coupling Pin Key
25	61460	A-3613 Grommet
26	63190	A-3565 Key
27	60515	A-2531 Hex Head Bolt (4)
28	57697	Transmission
	61467	Transmission Kit (Incl. Ref. #32, 41, 48)
29	60860	A-297 Retaining Ring
30	61440	A-3591 Lock Washer
31	60265	A-2441 Screw
32	62425	Chain Guard
33	61110	A-3247 Self-Tapping Screw (2)
34	61375	A-3562 Main Bearing w/Set Screw (2)
35	60020	A-2269 Bolt (4)
36	60090	A-2292 Lock Washer (8)
37	62485	D-3543 Body
38	60060	A-2284 Washer (8)
39	61445	A-3592 Lock Washer (8)
40	60230	A-2395 Nut (4)
41	61462	A-3251 Hex Head Bolt (4)
42	61455	A-3612 Nut (4)
43	61395	A-3566 Key
44	76870	A-3672 Screw (4)
45	60085	A-2290 Lock Washer (5)
46	62415	C-3552 Handle Assembly
47	62495	D-3545 Base
48	66972	"V" Belt
49	61380	A-3563 Centrifugal Clutch
50	61275	A-3339 Washer
51	61435	A-3577 Hex Head Bolt
52	61310	A-3439 Washer (10)
53	60000	A-2258 Screw (10)
54	62175	B-3547 Cover
55	42580	A-505 Retaining Ring
56	61385	A-3564 Pulley
57	59785	A-210 Bolt (4)
58	61450	A-3593 Lock Washer (4)
59	43837	A-3546 Axle (4)
60	62420	C-3556 Wheel (4)
61	60995	A-3039 Washer (4)
62	60050	A-2281 Retaining Ring (4)
63	61000	A-3041 Spring (4)
64	59700	A-1881 Hub Cab (4)
65	62430	C-3611 Wheel Assembly (Incl. Ref. #59-64)
—	84690	A-4558 Torque Testing Tool (not shown)
66	23617	3/8" - 13 x 2" Carriage Bolt
67	59970	3/8" Flat Washer
68	66962	Idler Pulley
69	43947	3/8" Lock Nut

†Transmission kit includes necessary hardware to convert to new style transmission. *Standard hardware item may be purchased locally.

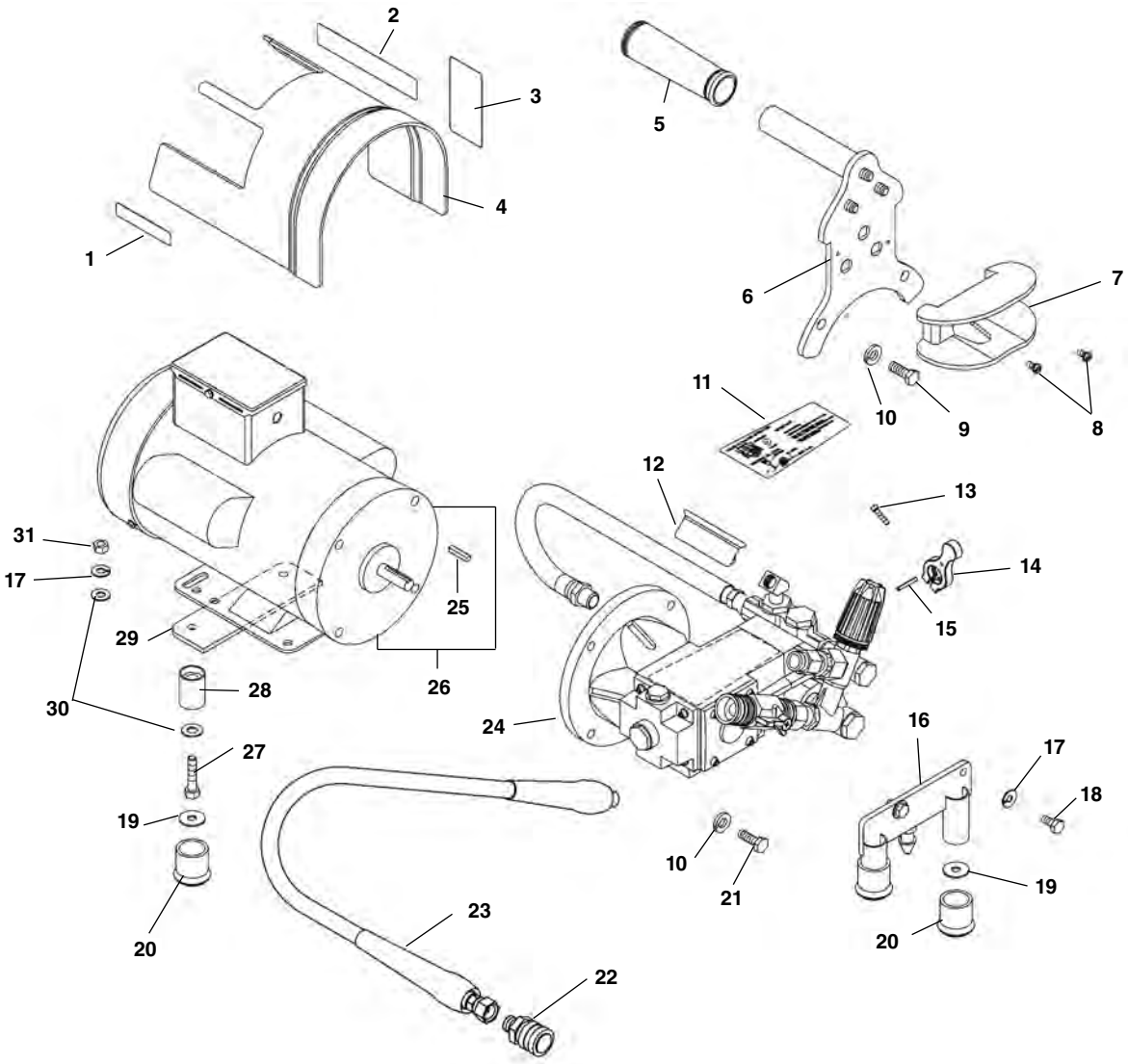
Transmission

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

Ref. No.	Catalog No.	Description
—	57697	Transmission
1	59585	Knob
2	57617	Shift Cover
3	57682	Shift Lever
4	57667	Plunger
5	57672	Pin
6	60680	504 Pin
7	57632	Output Shaft
8	61390	Key (2)
9	57662	Retaining Ring (3)
10	57657	Washer (3)
11	57647	Bushing w/O-Ring (2)
12	61277	O-Ring (3)
13	57622	Bevel Gear (2)
14	57642	Clutch Collar
15	60860	Retaining Ring
16	57627	Pinion Gear
17	57652	Bushing w/O-Ring
18	57637	Input Shaft
19	84425	1/4" - "20 x 1.25" Soc. Hd. Screw (8)
20	44740	1/4" Lock Washer (8)
21	57612	Housing Assembly (Includes 19, 20)
22	62427	8T Sprocket



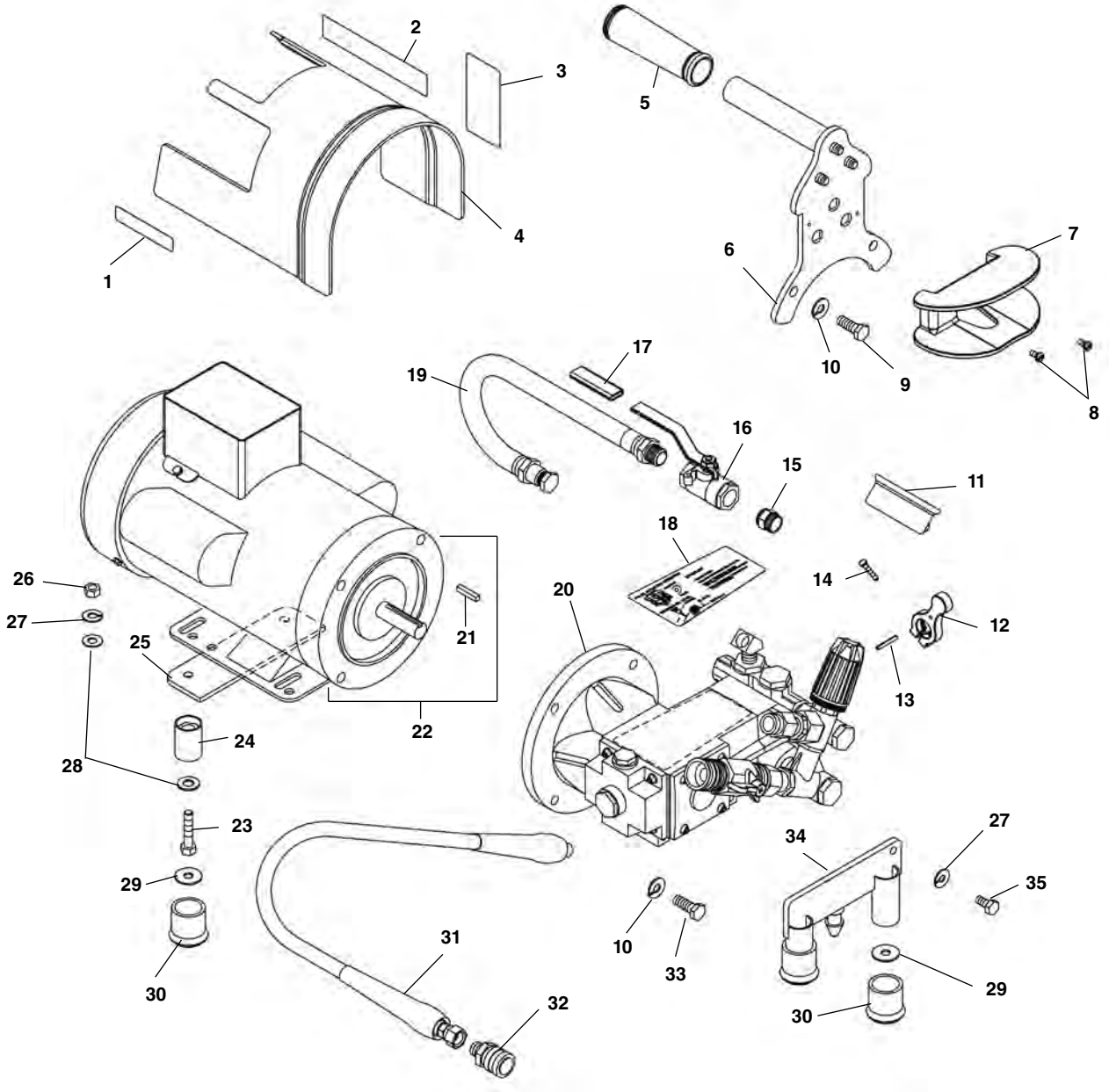
Main Components - Single Pulse Model



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

Ref. No.	Catalog No.	Description
1	63972	Decal, Potable Water
2	63962	Decal, Model Number
3	48232	Decal, Warning
4	63917	Motor Shroud
5	60827	Hand Grip
6	63932	Handle
7	63937	Cord Wrap
8	16417	Screw, #10 - 32 x 3/8" Pan Head (2)
9	60380	Hex Screw, 3/8″ - 16 x 1 1/4" (2)
10	60085	Lock Washer, 3/8" (4)
11	63967	Decal, Pulse Instruction
12	63902	Pressure Gauge
13	46375	Socket Head Screw, #6 - 32 x 5/8"
14	63907	Actuator Handle
15	41500	Spring Pin
16	63942	Front Foot
17	60080	Lock Washer, 5/16" (2)
18	61130	Hex Screw, 5/16" - 18 x 3/4" (2)
19	60847	Flat Washer, 1/2" (4)
20	37962	Rubber Foot (4)
21	85915	Hex Screw, 3/8" - 16 x 3/4" (2)
22	48117	Female Quick Connect, 1/4" NPT Male
23	63927	Output Hose
24	63897	Pump Assembly Complete
25	47677	Key, 1/8" x 3/16" x 1"
26	63892	Motor, 115V, 1.5 HP
27	43847	Hex Screw, 5/16" - 18 x 1 1/2" (2)
28	63947	Rear Foot
29	63952	Rear Bracket
30	60060	Flat Washer, 5/16" (2)
31	60230	Hex Nut, 5/16" - 18 (2)

Main Components - Dual Pulse Model



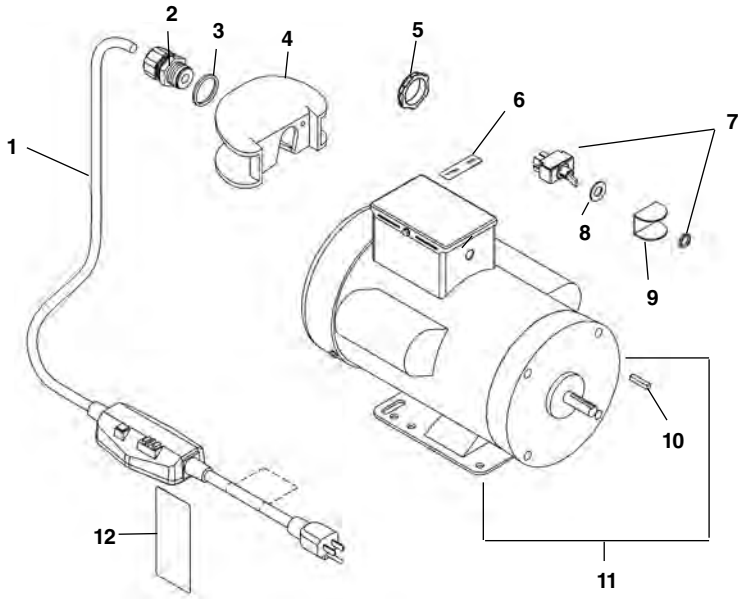
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	63972	Decal, Potable Water
2	63962	Decal, Model Number
3	48232	Decal, Warning
4	63917	Motor Shroud
5	60827	Hand Grip
6	63932	Handle
7	63937	Cord Wrap
8	16417	Screw, #10 - 32 x 3/8" Pan Head (2)
9	60380	Hex Screw, 3/8" - 16 x 1 1/4" (2)
10	60085	Lock Washer, 3/8" (4)
11	63902	Pressure Gauge
12	63907	Actuator Handle
13	41500	Spring Pin
14	46375	Socket Head Screw, #6 - 32 x 5/8"
15	63912	Hex Nipple, 3/8" NPT
16	48127	Pulse Control Valve
17	64272	Pulse Valve Cover
18	63967	Decal, Pulse Instruction
19	48132	Dampener Hose, 18"
20	63897	Pump Assembly Complete
21	47677	Key, 1/8" x 3/16" x 1"
22	63892	Motor, 115V, 1.5 HP
23	43847	Hex Screw, 5/16" - 18 x 1 1/2" (2)
24	63947	Rear Foot
25	63952	Rear Bracket
26	60230	Hex Nut, 5/16" - 18 (2)
27	60080	Lock Washer, 5/16" (2)
28	60060	Flat Washer, 5/16" (2)
29	60847	Flat Washer, 1/2" (4)
30	37962	Rubber Foot (4)
31	63927	Output Hose
32	48117	Female Quick Connect, 1/4" NPT Male
33	85915	Hex Screw, 3/8" - 16 x 3/4" (2)
34	63942	Front Foot
35	61130	Hex Screw, 5/16" - 18 x 3/4" (2)

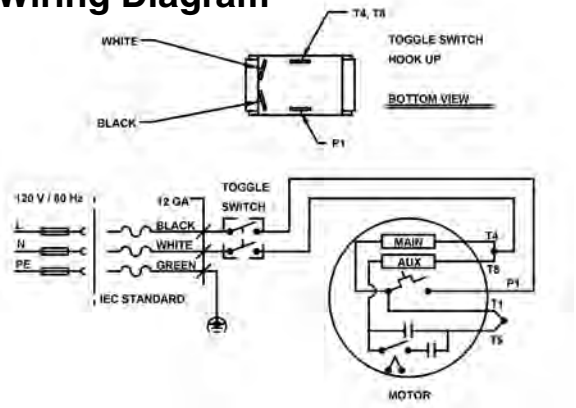
Electrical Components

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

Ref. No.	Catalog No.	Description
1	63922	Power Cord with GFCI
2	36732	Strain Relief
3	64037	Flat Washer
4	63937	Cord Wrap
5	48052	Strain Relief Nut
6	48087	Decal, ON/OFF
7	48057	Toggle Switch w/Fasteners
8	23512	Rubber Washer
9	61490	Switch Guard
10	47677	Key, 1/8" x 3/16" x 1"
11	63892	Motor, 115V, 1.5 HP
12	63977	Warning Tag, GFCI

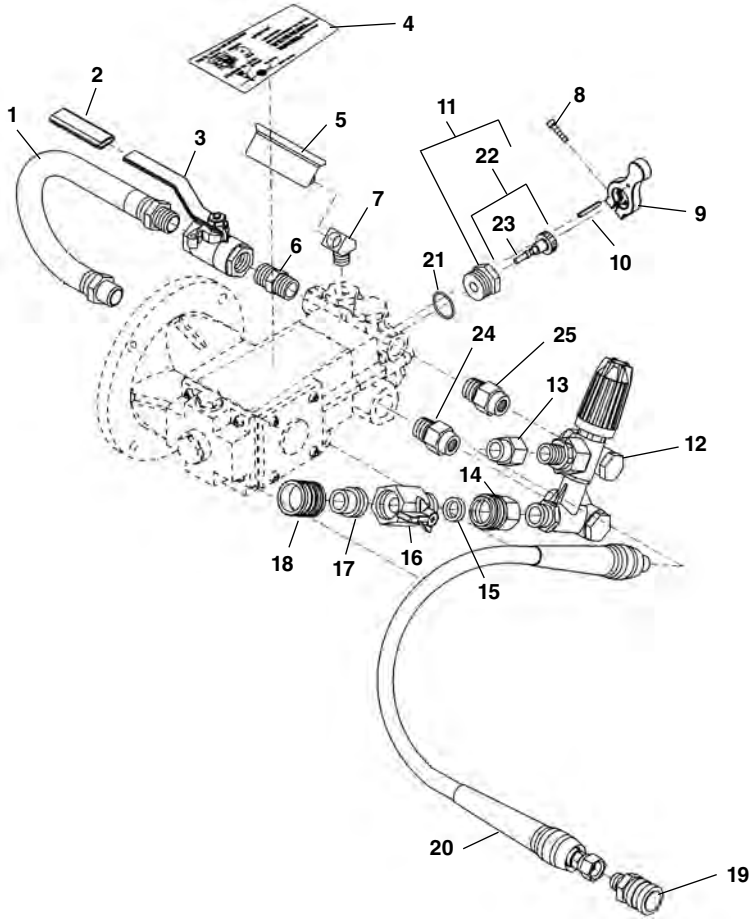


Wiring Diagram

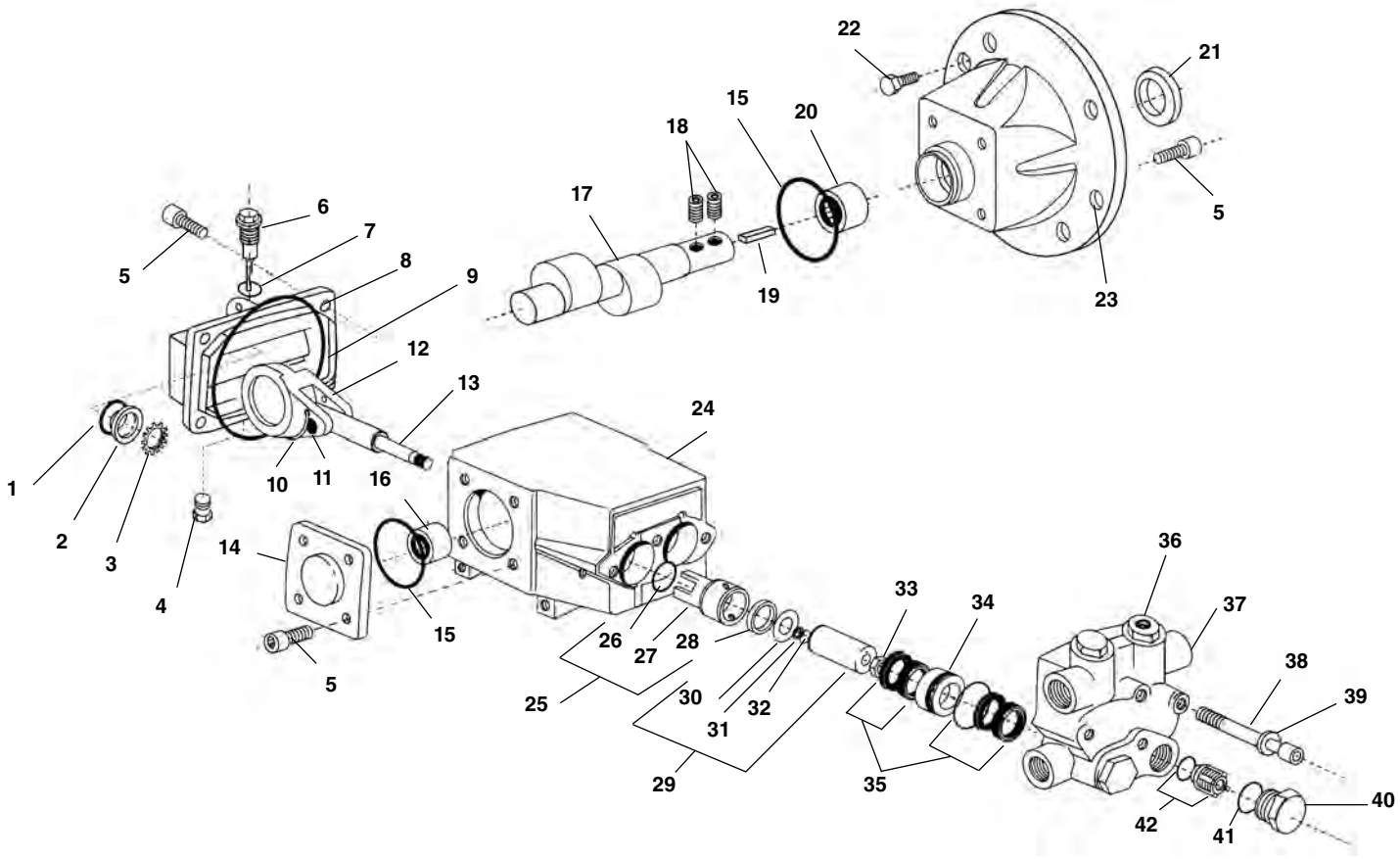


Flow Control System

Ref. No.	Catalog No.	Description
1	48132	Dampener Hose, 18"
2	64272	Pulse Valve Cover
3	48127	Pulse Control Valve
4	63967	Decal, Pulse Instruction
5	63902	Pressure Gauge
6	63912	Hex Nipple, 3/8" NPT
7	48107	Street El, 45 Degree
8	46375	Soc Hd Screw, #6 – 32 x 5/8"
9	63907	Actuator Handle
10	41500	Spring Pin
11	65192	Pulse Assembly
12	65202	Unloader Valve Assembly
13	65197	Reducer Coupling
14	65207	Hose Adapter
15	48287	Filter Washer
16	49582	Water Shut Off
17	48202	Hose Coupler Nipple
18	48197	Hose Coupler
19	48117	Female Quick Connect, 1/4" NPT Male
20	63927	Output Hose
21	65392	O-Ring
22	85872	Adjusting Screw w/Seals
23	85882	Seals for Adjusting Screw
24	70427	Inlet Adapter, 1/2" x 1/2"
25	70432	Outlet Adapter, 3/8" x 3/8"
	65102	Wash Wand Nozzle (Not Shown)
	70897	Chemical Injector (Not Shown)



Pump Assembly - Type 2



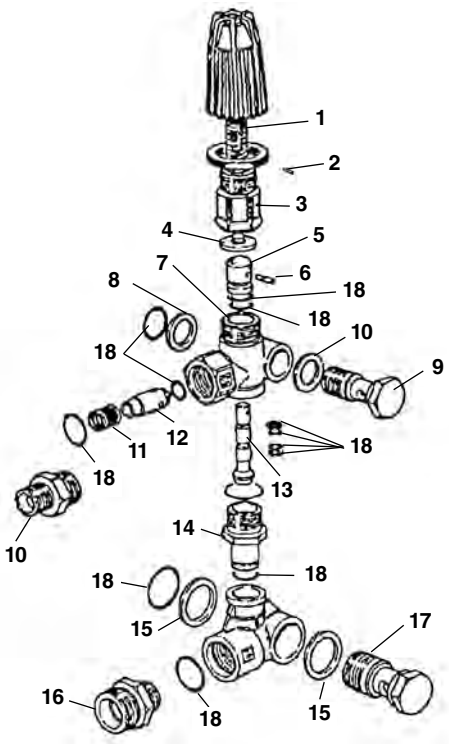
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	88852	O-Ring
2	88847	Sight Glass
3	88857	Retainer
4	47782	Drain Plug, 1/4" NPT
5	40910	Soc. Hd. Cap Screw, 1/4" - 20 x 3/4" (12)
6	47787	Dip Stick
7	88452	O-Ring
8	88842	Crankcase Cover
9	88447	O-Ring
10	88837	Spring Retainer (2)
11	88827	Wrist Pin (2)
12	88832	Connecting Rod (2)
13	88807	Plunger Rod (2)
14	88817	End Plate
15	47707	O-Ring (2)
16	88822	Needle Bearing
17	88877	Crankshaft
18	47752	Set Screw, 1/4" - 28 x 1/4" (2)
19	47677	Key, 1/8" x 3/16" x 1"
20	47727	Needle Bearing
21	47732	Seal
22	75350	Hex Bolt, 3/8" -16 x 1 1/4" (4)
23	47667	C-Flange End Cover
24	88812	Crankcase
25	88437	Oil Seal Repair Kit
26	88442	O-Ring (2)
27	88797	Insert (2)
28	88802	Oil Seal (2)
29	88427	Plunger Kit, (2)
30	47762	Slinger Ring (2)
31	47712	Backup Seal (2)
32	47697	O-Ring (2)
33	88867	Retaining Nut (2)
34	88862	Cup Retainer, (2)
35	88432	Plunger Seal Kit
36	89017	Valve Cap, Ported, 1/4" NPT
37	88792	Head
38	47747	Socket Head Cap Screw (4)
39	88872	Lock Washer (4)
40	88412	Valve Cap (2)
41	88417	O-Ring (4)
42	88422	Valve Kit

Unloader Valve - Early Style (Red Knob)

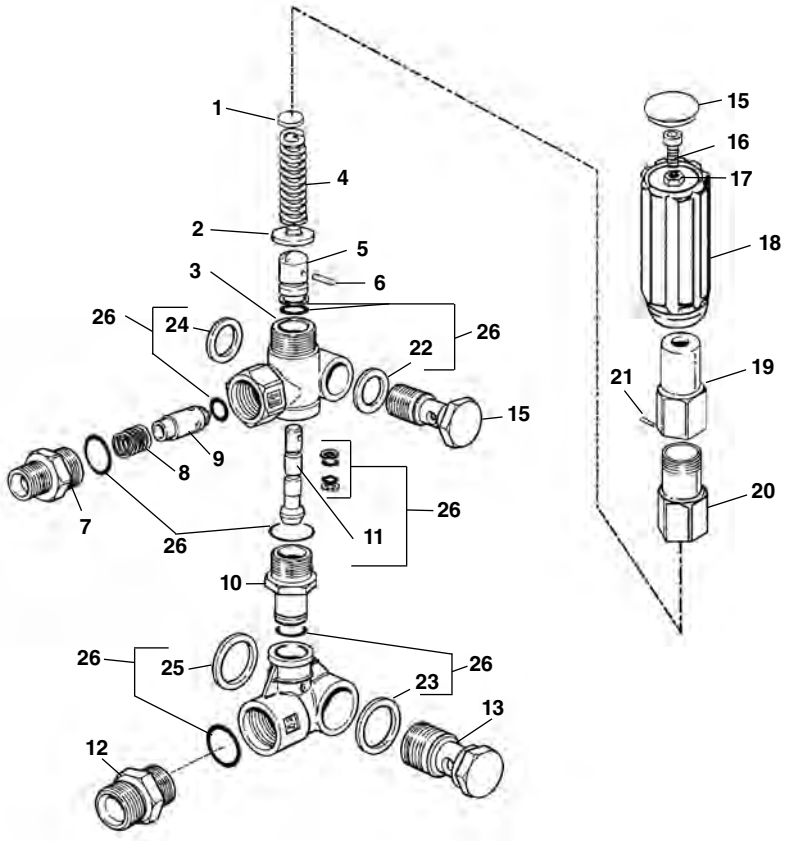
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	64282	Spring
2	64292	Set Screw
3	64297	Spring Guide
4	64302	Spring Button
5	64307	Poppet
6	64312	Pin
7	64317	Valve Body
8	64322	Gasket (2)
9	64327	Outlet Port Adapter
10	64332	Poppet Retainer
11	64337	Spring
12	64342	Poppet
13	64347	Plunger
14	64352	By-Pass Spring
15	64357	Gasket
16	64362	Inlet Adapter
17	64372	Port Adapter
18	64377	Seal Kit

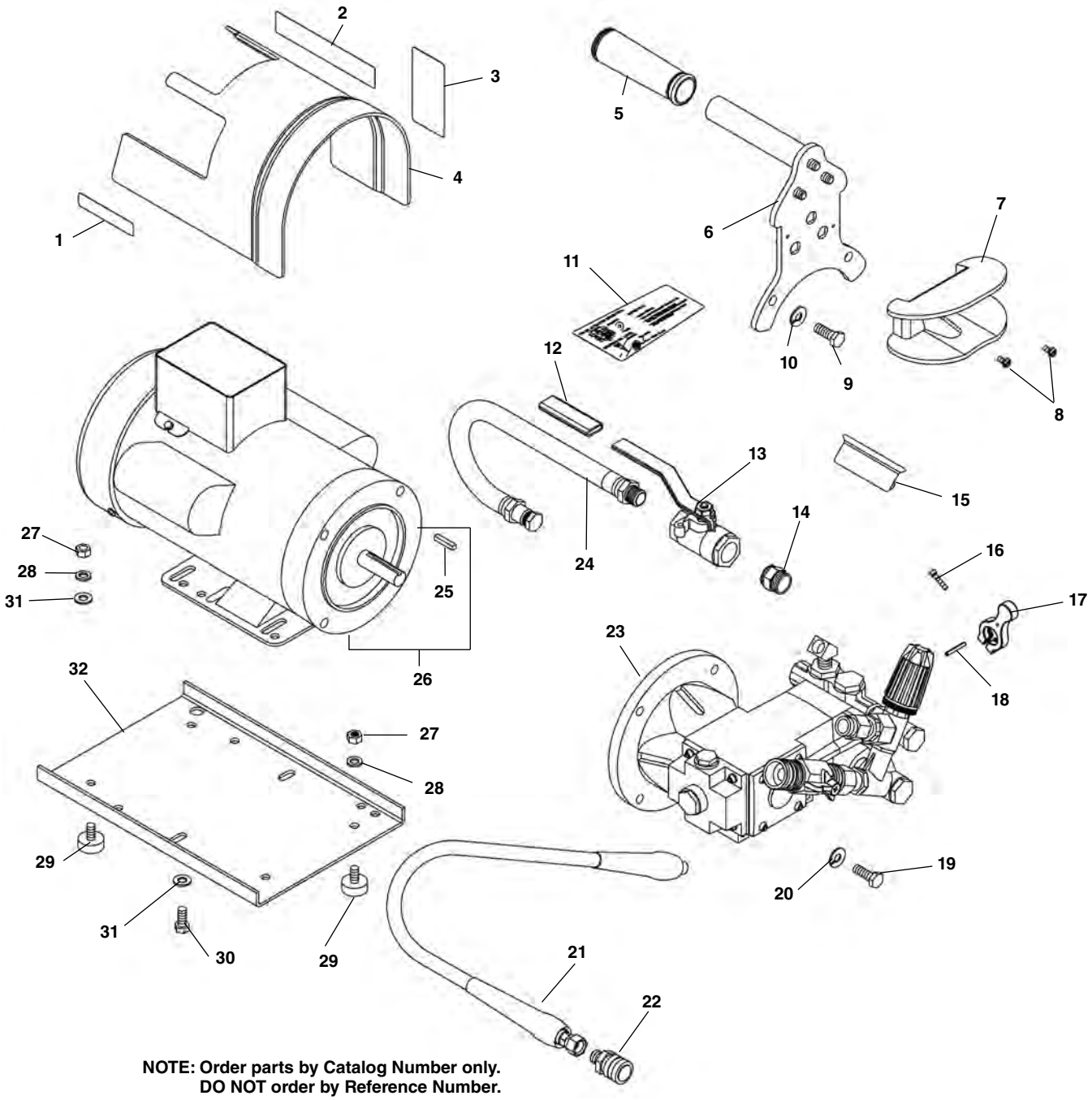


Unloader Valve - (Black Knob)

Ref. No.	Catalog No.	Description
—	65202	Unloader Valve Complete
1	85902	Plate
2	64302	Spring Button
3	64317	Body
4	85897	Spring
5	64307	Poppet
6	64312	Pin
7	64332	Outlet Poppet Retainer
8	64337	Spring
9	64342	Poppet
10	64352	By-Pass Seat
11	64347	Plunger
12	64362	Inlet Adapter
13	64372	Inlet Port Adapter
14	64327	Outlet Port Adapter
15	85892	Plug Cap
16	32270	Soc. Hd. Cap Screw $^{5}/_{16}$" - 18 -$^{3}/_{4}$"
17	61115	Hex Nut $^{5}/_{16}$" x 18
18	85887	Control Knob (Black)
19	85907	Cap
20	85917	Spring Guide
21	85912	Pin
22	64322	Seal Washer
23	64357	Seal Washer
24	85922	Seal Washer
25	85927	Seal Washer
26	64377	Seal Kit



Main Components - 120V 60Hz

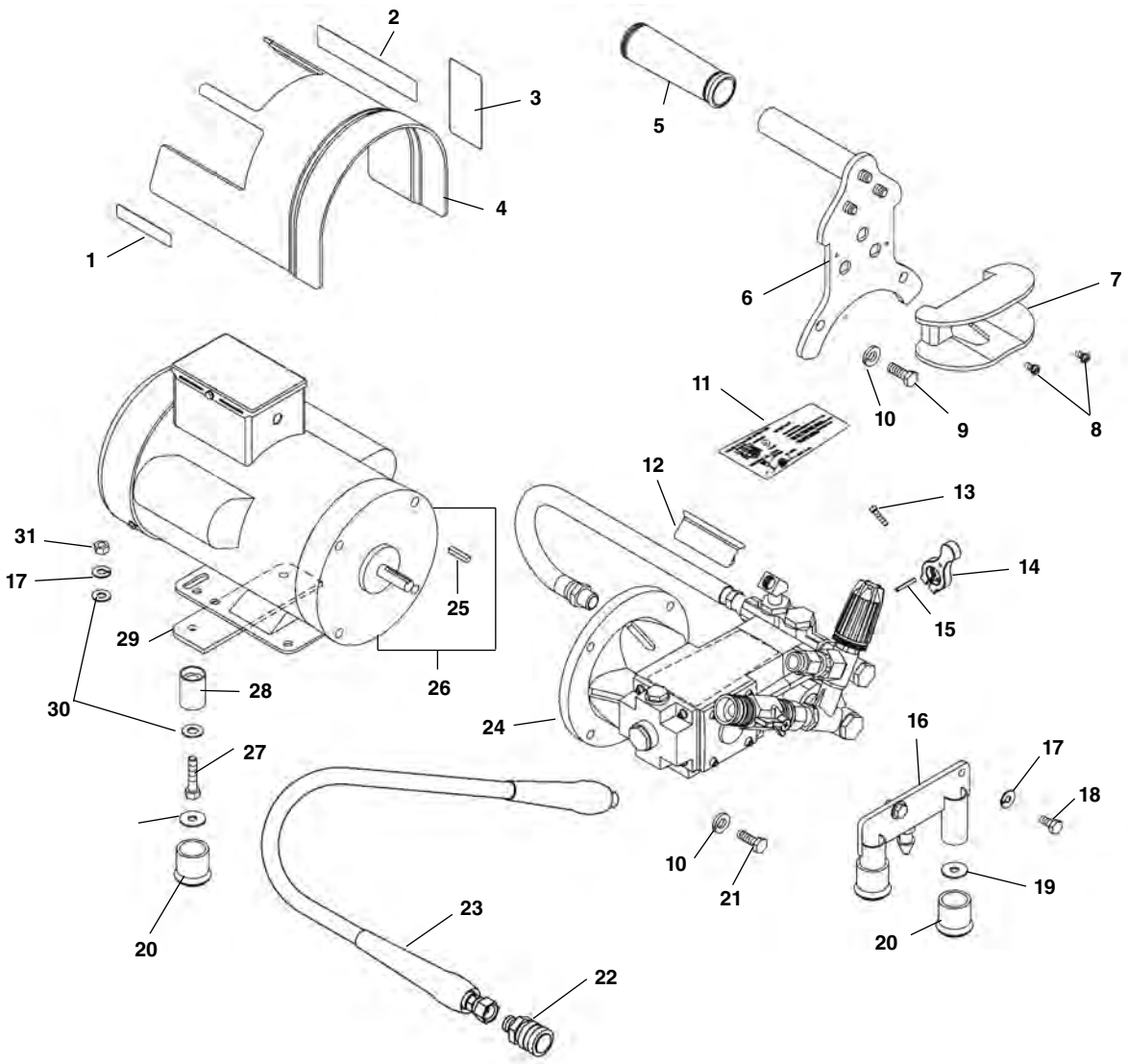


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	63972	Decal, Potable Water
2	65047	Decal, Model Number
3	48232	Decal, Warning
4	63917	Motor Shroud
5	60827	Hand Grip
6	63932	Handle
7	63937	Cord Wrap
8	16417	Pan Head Screw, #10 - 32 x 3/8" (2)
9	60380	Hex Screw, 3/8" - 16 x 1 1/4" (2)
10	60085	Lock Washer, 3/8" (4)
11	63967	Decal, Pulse Instruction
12	64272	Pulse Valve Cover
13	48127	Pulse Control Valve
14	63912	Hex Nipple, 3/8" NPT
15	63957	Pressure Gauge
16	46375	Socket Head Screw, #6 - 32 x 5/8"

Ref. No.	Catalog No.	Description
17	63907	Actuator Handle
18	41500	Spring Pin
19	60380	Screw, 3/8" - 16 x 1 1/4" (2)
20	60085	Lock Washer, 3/8" (4)
21	65212	Output Hose
22	48117	Female Quick Connect, 1/4" NPT Male
23	86122	Pump Assembly Complete
24	48132	Dampener Hose, 18"
25	47677	Square Key, 1/8" x 3/16" x 1"
26	65042	Motor, 120V 60Hz 2 HP
27	60230	Hex Nut, 5/16" - 18 (6)
28	60080	Lock Washer, 3/8" (6)
29	48187	Rubber Foot (4)
30	61130	Screw, 5/16" - 18 x 3/4" (2)
31	60060	Flat Washer, 5/16" (6)
32	48182	Base Plate

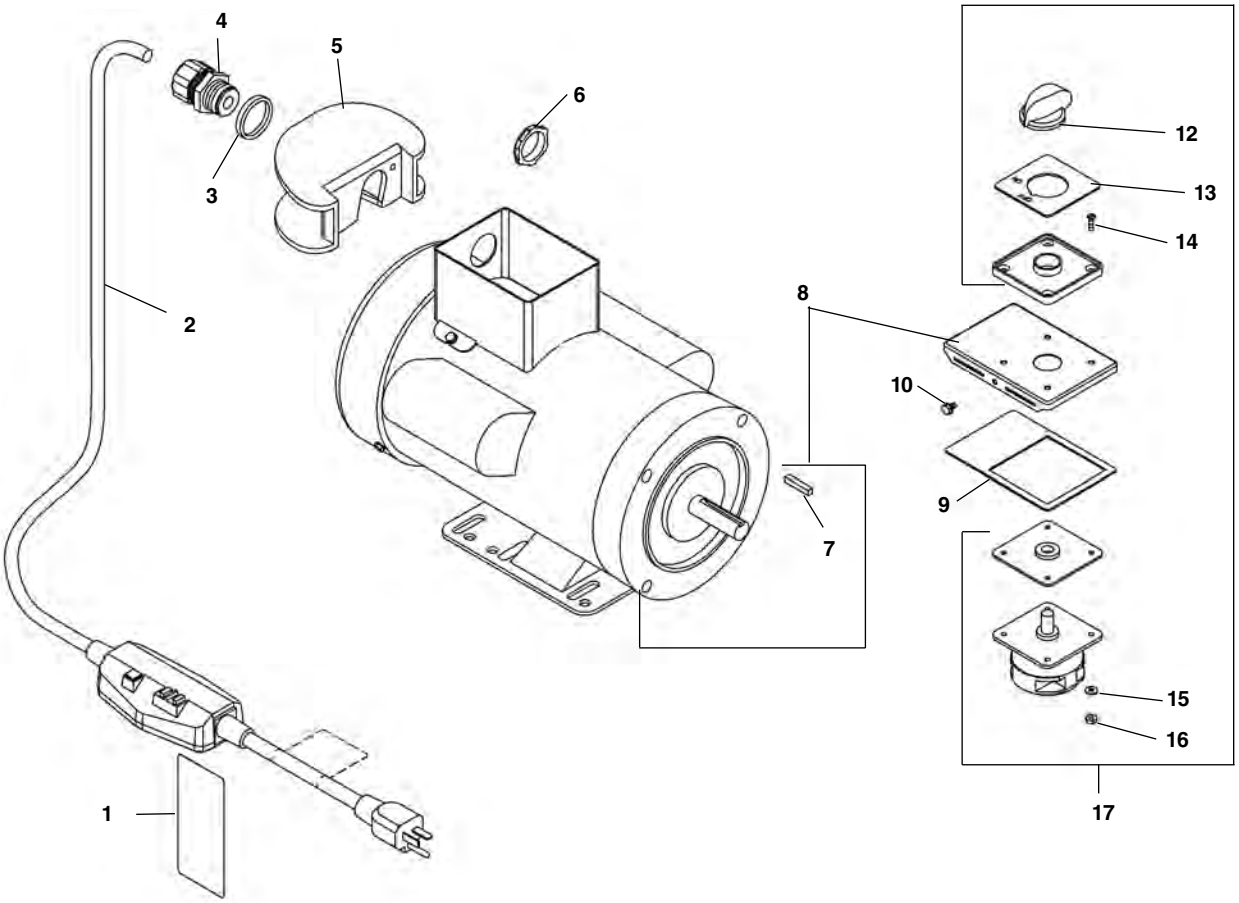
Main Components - 220V 50Hz Export



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

Ref. No.	Catalog No.	Description
1	63972	Decal, Potable Water
2	63962	Decal, Model Number
3	48232	Decal, Warning
4	63917	Motor Shroud
5	60827	Hand Grip
6	63932	Handle
7	63937	Cord Wrap
8	16417	Screw, #10 - 32 x 3/8" Pan Head (2)
9	60380	Hex Screw, 3/8" - 16 x 1 1/4" (2)
10	60085	Lock Washer, 3/8" (4)
11	63967	Decal, Pulse Instruction
12	63957	Pressure Gauge
13	46375	Socket Head Screw, #6 - 32 x 5/8"
14	63907	Actuator Handle
15	41500	Spring Pin
16	63942	Front Foot
17	60080	Lock Washer, 5/16" (2)
18	61130	Hex Screw, 5/16" - 18 x 3/4" (2)
19	60847	Flat Washer, 1/2" (4)
20	37962	Rubber Foot (4)
21	85915	Hex Screw, 3/8" - 16 x 3/4" (2)
22	48117	Female Quick Connect, 1/4" NPT Male
23	65212	Output Hose
24	86122	Pump Assembly Complete
25	47677	Key, 1/8" x 3/16" x 1"
26	94452	Motor, 220V 50Hz 2HP
27	43847	Hex Screw, 5/16" - 18 x 1 1/2" (2)
28	63947	Rear Foot
29	63952	Rear Bracket
30	60060	Flat Washer, 5/16" (2)
31	60230	Hex Nut, 5/16" - 18 (2)

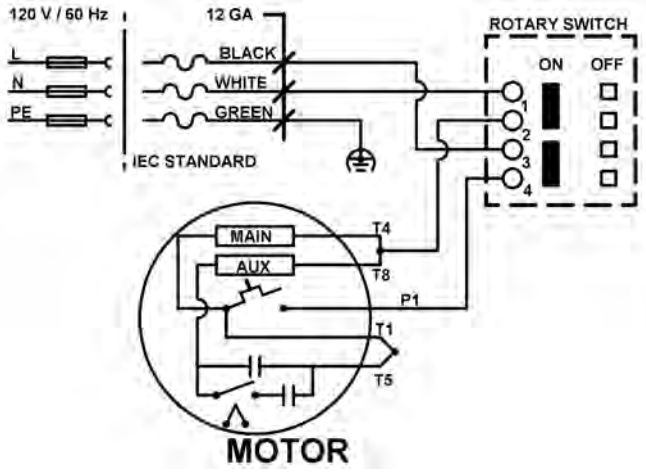
Electrical 120V 60 Hz



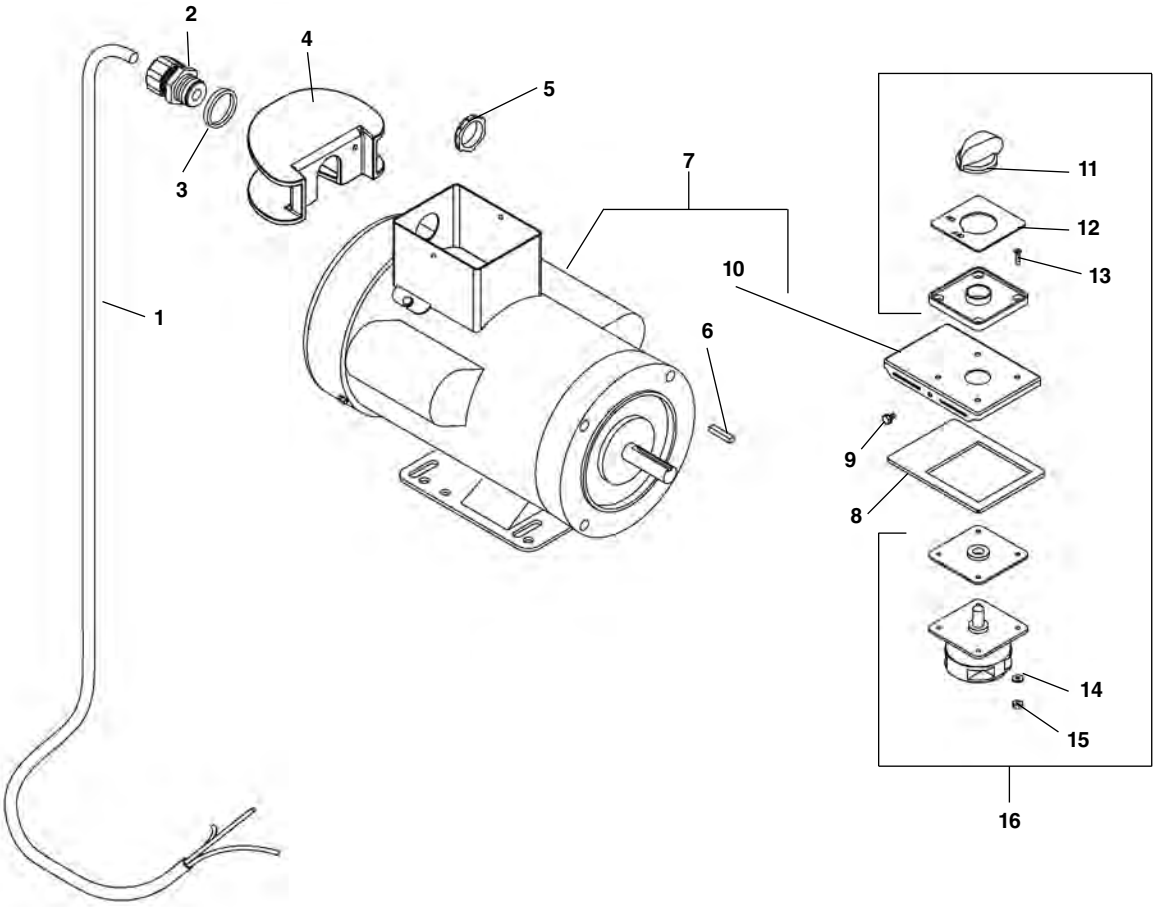
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	63977	Warning Tag, GFCI
2	65037	Power Cord with GFCI
3	64037	Flat Washer
4	36732	Strain Relief
5	63937	Cord Wrap
6	48052	Strain Relief Nut
7	47677	Square Key, 1/8" x 3/16" x 1"
8	65042	Motor, 120V 60Hz 2 HP
9	65082	Conduit Box Gasket
10	65072	Screw
11	65077	Conduit Box Cover
12	65052	Switch Knob w/Screw
13	65062	Face Plate
14	54162	Flat Hd. Machine Screw #6 - 32 x 1/2"
15	65097	Flat Washer #6
16	61327	Hex Nut #6 - 32
17	20148	Rotary Switch Assembly

Wiring Diagram



Electrical 220V 50 Hz Export

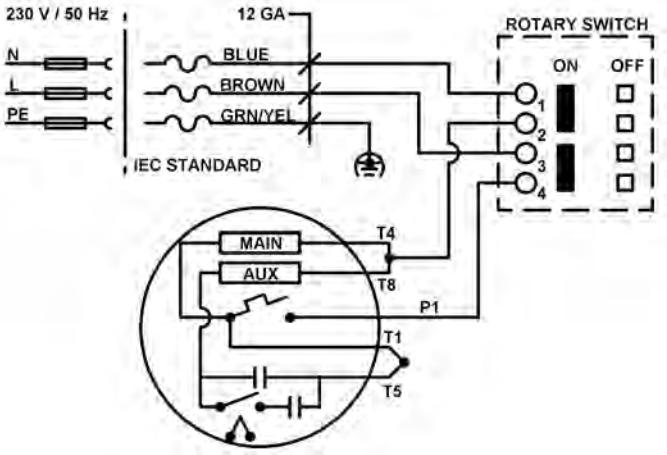


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

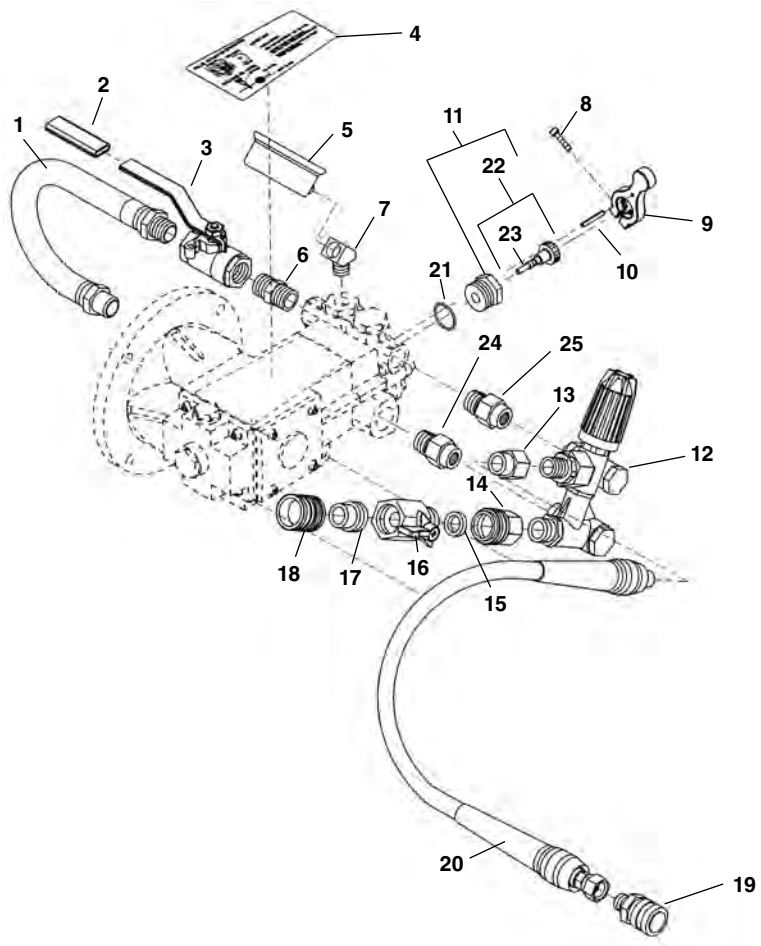
Ref. No.	Catalog No.	Description
1	15707	Power Cord
2	64037	Flat Washer
3	36732	Strain Relief
4	63937	Cord Wrap
5	48052	Strain Relief Nut
6	47677	Square Key, 1/8" x 3/16" x 1"
7	94452	Motor, 220V 50Hz 2 HP
8	65082	Conduit Box Gasket
9	65072	Screw

Ref. No.	Catalog No.	Description
10	65077	Conduit Box Cover
11	65052	Switch Knob w/Screw
12	65062	Face Plate
13	54162	Flat Hd. Machine Screw #6 - 32 x 1/2"
14	65097	Flat Washer #6
15	61327	Hex Nut #6 - 32
16	65092	Rotary Switch Assembly

Wiring Diagram

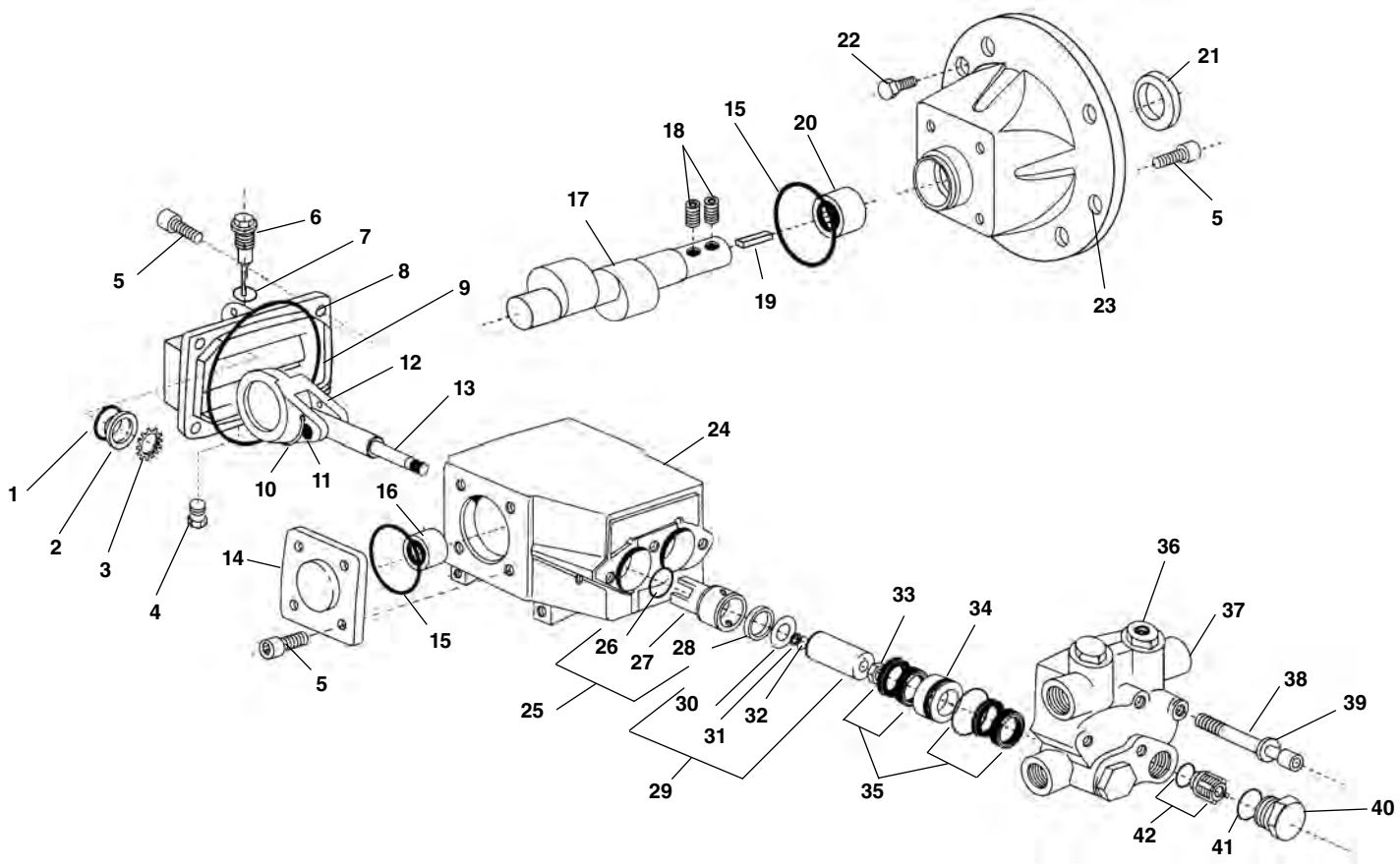


Flow Control System



Ref. No.	Catalog No.	Description
1	48132	Dampener Hose, 18″
2	64272	Pulse Valve Cover
3	48127	Pulse Control Valve
4	63967	Decal, Pulse Instruction
5	63957	Pressure Gauge
6	63912	Hex Nipple, 3/8" NPT
7	48107	Street El, 45 Degree
8	46375	Soc Hd Screw, #6 – 32 x 5/8"
9	63907	Actuator Handle
10	41500	Spring Pin
11	65192	Pulse Assembly
12	65202	Unloader Valve Assembly
13	65197	Reducer Coupling
14	65207	Hose Adapter
15	48287	Filter Washer
16	49582	Water Shut Off
17	48202	Hose Coupler Nipple
18	48197	Hose Coupler
19	48117	Female Quick Connect, 1/4" NPT Male
20	63927	Output Hose
21	65392	O-Ring
22	85872	Adjusting Screw w/Seals
23	85882	Seals for Adjusting Screw
24	70427	Inlet Adapter, 1/2" x 1/2"
25	70432	Outlet Adapter, 3/8" x 3/8"
	65102	Wash Wand Nozzle (Not Shown)
	70897	Chemical Injector (Not Shown)

Pump Assembly - Type 2



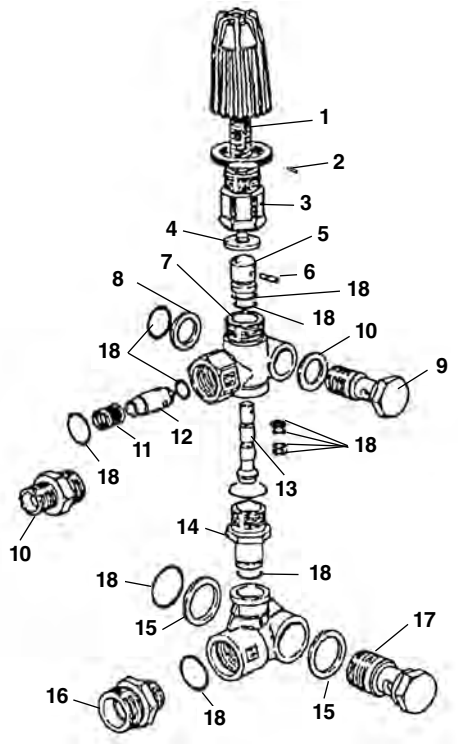
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	88852	O-Ring
2	88847	Sight Glass
3	88857	Retainer
4	47782	Drain Plug, 1/4" NPT
5	40910	Soc. Hd. Cap Screw, 1/4" - 20 x 3/4" (12)
6	47787	Dip Stick
7	88452	O-Ring
8	88842	Crankcase Cover
9	88447	O-Ring
10	88837	Spring Retainer (2)
11	88827	Wrist Pin (2)
12	88832	Connecting Rod (2)
13	88807	Plunger Rod (2)
14	88817	End Plate
15	47707	O-Ring (2)
16	88822	Needle Bearing
17	88877	Crankshaft
18	47752	Set Screw, 1/4" - 28 x 1/4" (2)
19	47677	Key, 1/8" x 3/16" x 1"
20	47727	Needle Bearing
21	47732	Seal
22	75350	Hex Bolt, 3/8" -16 x 1 1/4" (4)
23	47667	C-Flange End Cover
24	88812	Crankcase
25	88437	Oil Seal Repair Kit
26	88442	O-Ring (2)
27	88797	Insert (2)
28	88802	Oil Seal (2)
29	88997	Plunger Kit, (2)
30	47762	Slinger Ring (2)
31	47712	Backup Seal (2)
32	47697	O-Ring (2)
33	88867	Retaining Nut (2)
34	89007	Cup Retainer, (2)
35	89002	Plunger Seal Kit
36	89017	Valve Cap, Ported, 1/4" NPT
37	88792	Head
38	47747	Socket Head Cap Screw (4)
39	88872	Lock Washer (4)
40	88412	Valve Cap (2)
41	88417	O-Ring (4)
42	88422	Valve Kit

Unloader Valve - Early Style (Red Knob)

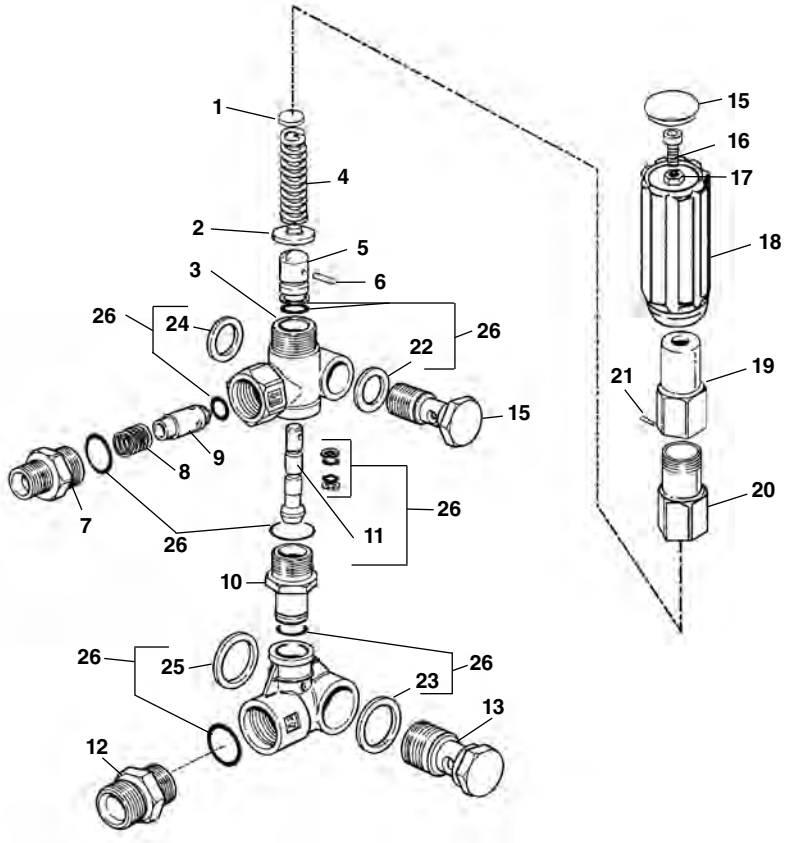
**NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description
1	64282	Spring
2	64292	Set Screw
3	64297	Spring Guide
4	64302	Spring Button
5	64307	Poppet
6	64312	Pin
7	64317	Valve Body
8	64322	Gasket (2)
9	64327	Outlet Port Adapter
10	64332	Poppet Retainer
11	64337	Spring
12	64342	Poppet
13	64347	Plunger
14	64352	By-Pass Spring
15	64357	Gasket
16	64362	Inlet Adapter
17	64372	Port Adapter
18	64377	Seal Kit

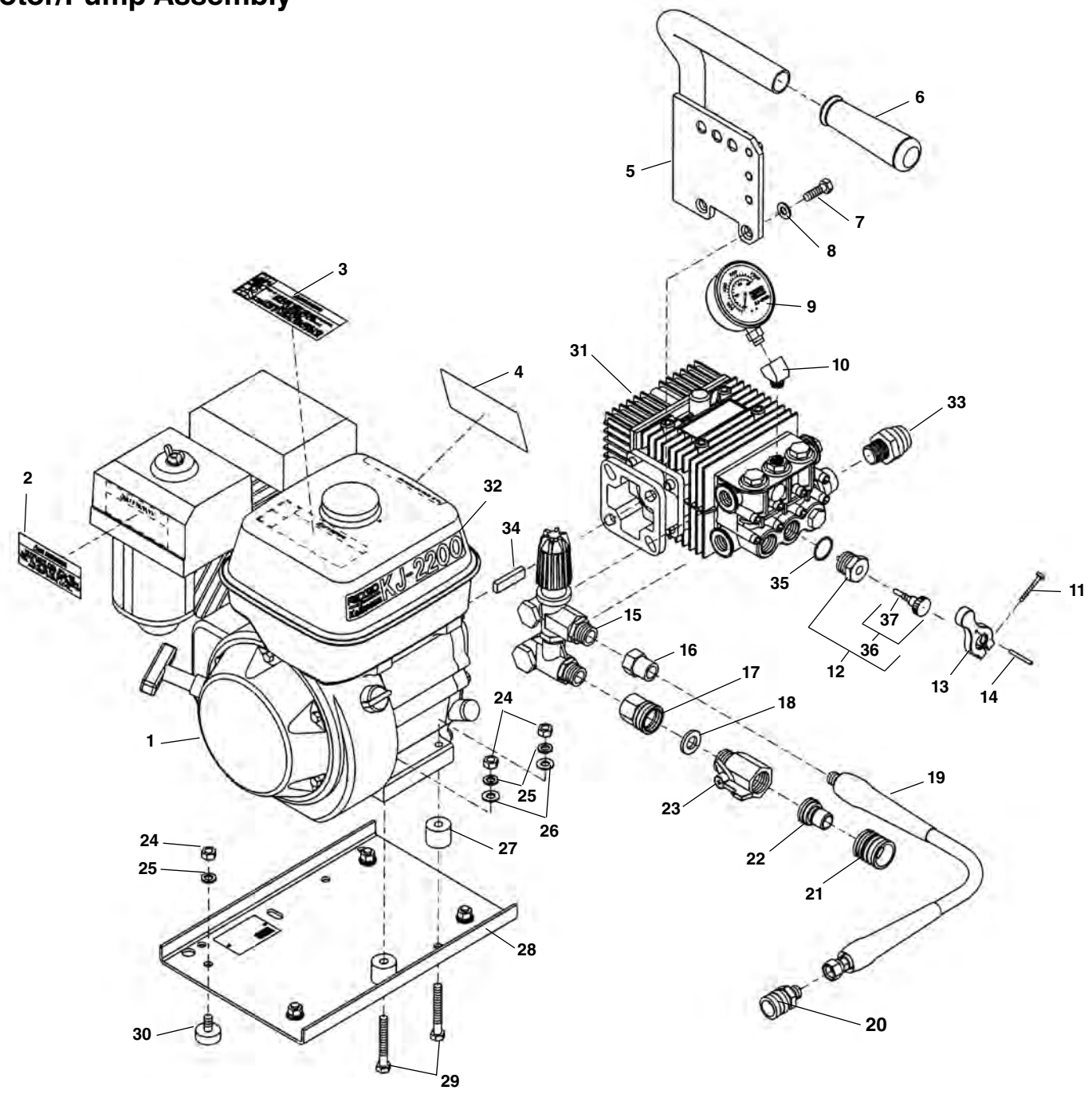


Unloader Valve - (Black Knob)

Ref. No.	Catalog No.	Description
—	65202	Unloader Valve Complete
1	85902	Plate
2	64302	Spring Button
3	64317	Body
4	85897	Spring
5	64307	Poppet
6	64312	Pin
7	64332	Outlet Poppet Retainer
8	64337	Spring
9	64342	Poppet
10	64352	By-Pass Seat
11	64347	Plunger
12	64362	Inlet Adapter
13	64372	Inlet Port Adapter
14	64327	Outlet Port Adapter
15	85892	Plug Cap
16	32270	Soc. Hd. Cap Screw $^{5}/_{16}$" - 18 -$^{3}/_{4}$"
17	61115	Hex Nut $^{5}/_{16}$" x 18
18	85887	Control Knob (Black)
19	85907	Cap
20	85917	Spring Guide
21	85912	Pin
22	64322	Seal Washer
23	64357	Seal Washer
24	85922	Seal Washer
25	85927	Seal Washer
26	64377	Seal Kit



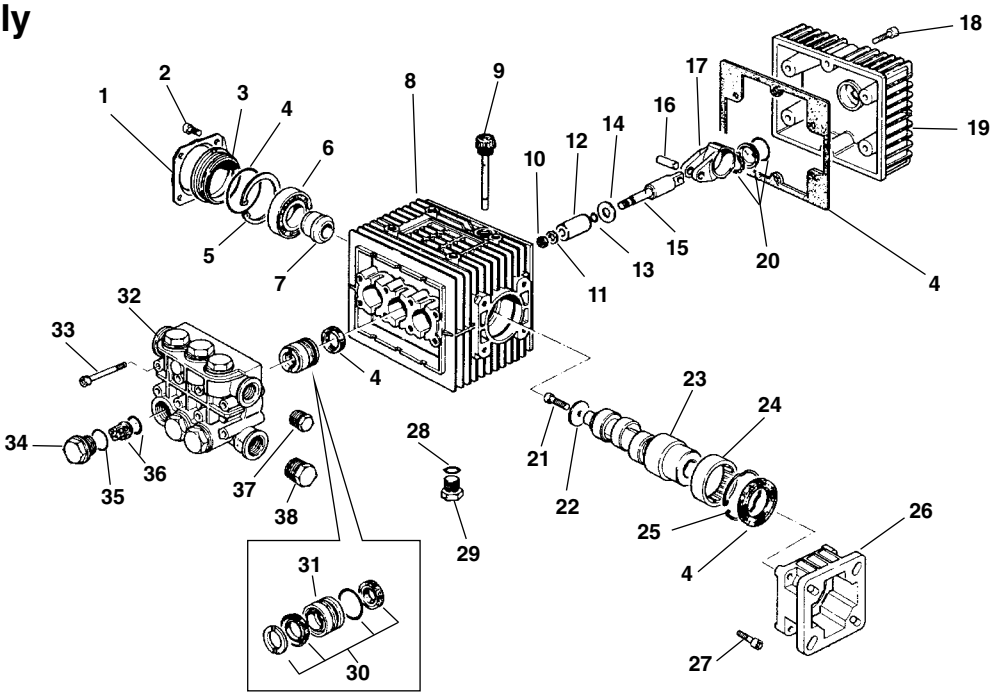
Motor/Pump Assembly



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

Ref. No.	Catalog No.	Description
1	22103	Gasoline Engine, 6.5 Hp
2	60102	Decal, Fuel Warning
3	49562	Decal, Warning
4	65182	Decal, Pulse Actuator
5	65177	Handle
6	60827	Hand Grip
7	60380	Hex Screw 3/8" – 16 x 1 1/4" (4)
8	60080	Lock Washer 3/8" (4)
9	65137	Pressure Gauge, KJ-2200
10	48107	Street EL, 45°
11	46375	Soc. Head Screw #6 – 32 x 5/8"
12	85862	Pulse Assembly, KJ-2200
13	63907	Actuator Handle
14	41500	Spring Pin
15	65202	Unloader Valve Complete
16	65197	Reducer Coupling
17	65207	Hose Adapter
18	48287	Filter Washer
19	65212	Output Hose
20	48117	Quick Connect (Male 48487)
21	48197	Hose Coupler
22	48202	Hose Coupler Nipple
23	49582	Water Shut-off
24	60230	Hex Nut 5/16" – 18 (8)
25	60080	Lock Washer 3/8" (8)
26	60060	Flat Washer 3/8" (4)
27	43852	Spacer (4)
28	48182	Base Plate
29	49597	Hex Screw 5/16" – 18 x 2 1/4" (4)
30	48187	Rubber Foot (4)
31	65132	Pump Complete
32	65187	Decal, Model No. KJ-2200
33	65412	Thermal Protector
34	66297	Key
35	65392	O-Ring
36	85872	Adjusting Screw w/Seals
37	85882	Seals for Adjusting Screw
—	65117	Wash Wand Nozzle (Not Shown)
—	70902	Chemical Injector (Not Shown)

Pump Assembly

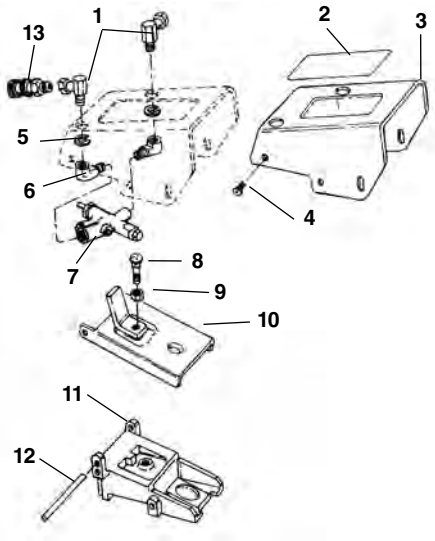


NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	65132	Pump Assembly
1	65222	Bearing Retainer
2	65227	Bolt (4)
3	65232	Bearing Cover
4	65237	Crankcase Seal Kit (4 pcs)
5	65242	Retaining Ring
6	65247	Ball Bearing
7	65252	Shaft Retainer
8	65257	Crankcase
9	65262	Dipstick
10	65267	Nut (3)
11	65272	Plunger Seal (3)
12	65277	Plunger (3)
13	65282	O-Ring (3)
14	65287	Slinger (3)
15	65292	Lower Plunger (3)
16	65297	Wrist Pin (3)
17	65302	Connecting Rod (3)
18	65307	Bolt, M5 x 20 (6)
19	65312	Crankcase Cover
20	65317	Sight Glass w/O-Ring & Retainer
21	65322	Bolt
22	65327	Washer
23	65332	Crankshaft
24	65337	Roller Bearing
25	65342	Retaining Ring
26	65347	Mounting Flange
27	65352	Bolt (4)
28	65357	O-Ring
29	65362	Drain Plug
30	65367	Plunger Seal Kit (3 sets)
31	65372	Cup Retainer (3)
32	65377	Pump Head
33	65382	Bolts, M6 x 60 (8)
34	65387	Valve Cap (6)
35	65392	O-Ring (6)
36	65397	Valve Kit (6 Valves, 6 O-Rings)
37	65402	Port Plug, Small
38	65407	Port Plug, Large

FV-1 Foot Valve

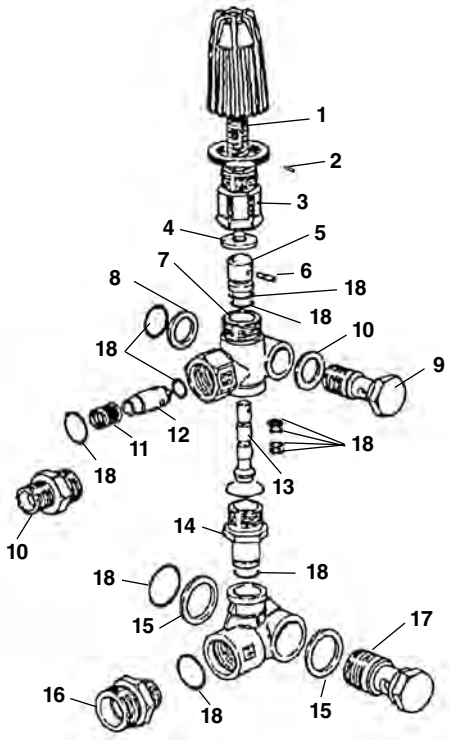
Ref. No.	Catalog No.	Description
—	48157	Foot Valve Complete, FV-1
1	49787	Elbow w/Swivel, 1/4" NPT (2)
2	49777	Decal, Model No.
3	49772	Cover
4	36787	Screw, Self Tapping, #10 (4)
5	49792	Lock Washer 9/16" (2)
6	49797	Street EL, 1/4" NPT(2)
7	49782	Valve Assembly
8	49802	Carriage Bolt, 1/4" NPT
9	47297	Lock Nut, 1/4" - 20
10	49767	Foot Pedal
11	36737	Base
12	36747	Pivot Pin
13	48117	Quick Connect – Female



Unloader Valve - Early Style (Red Knob)

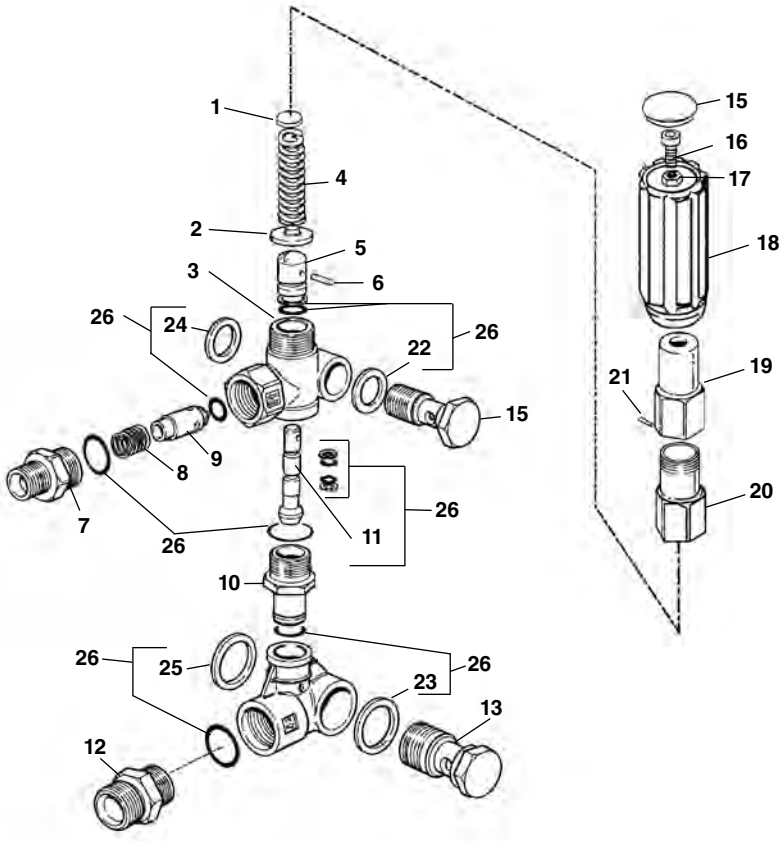
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	64282	Spring
2	64292	Set Screw
3	64297	Spring Guide
4	64302	Spring Button
5	64307	Poppet
6	64312	Pin
7	64317	Valve Body
8	64322	Gasket (2)
9	64327	Outlet Port Adapter
10	64332	Poppet Retainer
11	64337	Spring
12	64342	Poppet
13	64347	Plunger
14	64352	By-Pass Spring
15	64357	Gasket
16	64362	Inlet Adapter
17	64372	Port Adapter
18	64377	Seal Kit

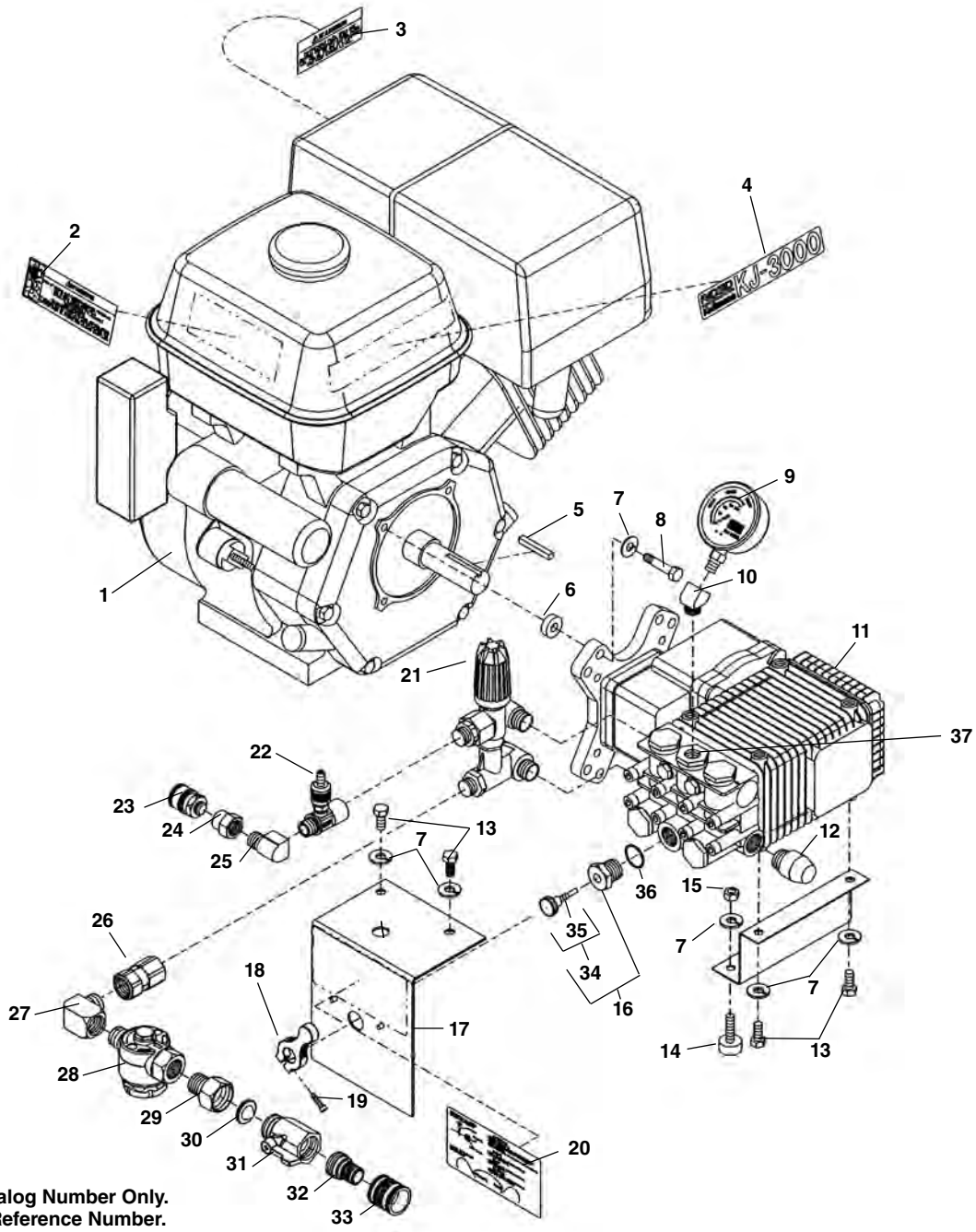


Unloader Valve - (Black Knob)

Ref. No.	Catalog No.	Description
—	65202	Unloader Valve Complete
1	85902	Plate
2	64302	Spring Button
3	64317	Body
4	85897	Spring
5	64307	Poppet
6	64312	Pin
7	64332	Outlet Poppet Retainer
8	64337	Spring
9	64342	Poppet
10	64352	By-Pass Seat
11	64347	Plunger
12	64362	Inlet Adapter
13	64372	Inlet Port Adapter
14	64327	Outlet Port Adapter
15	85892	Plug Cap
16	32270	Soc. Hd. Cap Screw $^{5}/_{16}$" - 18 -$^{3}/_{4}$"
17	61115	Hex Nut $^{5}/_{16}$" x 18
18	85887	Control Knob (Black)
19	85907	Cap
20	85917	Spring Guide
21	85912	Pin
22	64322	Seal Washer
23	64357	Seal Washer
24	85922	Seal Washer
25	85927	Seal Washer
26	64377	Seal Kit



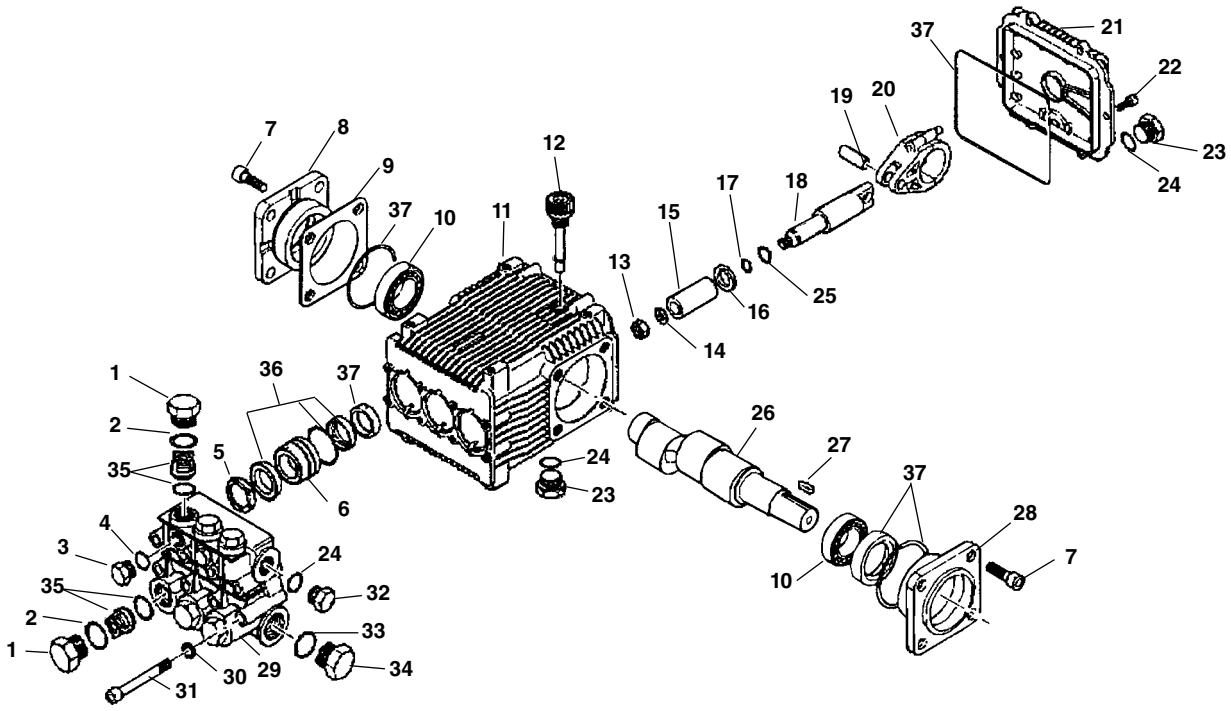
Motor/Pump Assembly



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

Ref. No.	Catalog No.	Description
1	66092	Gasoline Engine, 13 Hp Manual Start
	66097	Gasoline Engine, 13 Hp Electric Start
2	49562	Decal, Warning
3	60102	Decal, Fuel Warning
4	66102	Decal, Model No. KJ-3000
5	66107	Key, 1/4" x 1/4" x 1"
6	66112	Spacer, Gearbox Mount
7	60080	Lock Washer (8)
8	75350	Hex Screw, 3/8" - 16 x 1 1/4" (4)
9	66117	Pressure Gauge, KJ-3000
10	48107	Street EL, 45 Degree
11	66122	Pump Complete, 3000 PSI
12	65412	Thermal Relief Valve
13	66132	Hex Hd. Cap Scr., Metric M8-10 (4)
14	48187	Rubber Foot (4)
15	60230	Nut (4)
16	85867	Pulse Actuator Assembly
17	66137	Panel
18	63907	Pulse Actuator Handle
19	46375	Soc. Hd. Cap Screw, #6 - 32 x 5/8"
20	66142	Decal, Instruction
21	65202	Unloader Valve
22	66147	Chemical Injector
23	48117	Quick Connect – Female
24	66157	Reducer Adapter
25	66162	Street EL, 90 Degree
26	66867	Coupling, 1/2" NPT
27	48147	Street EL, 90 Degree, 1/2" NPT
28	66167	Inlet Filter
29	49587	Hose Adapter w/Washer
30	48287	Filter Washer
31	49582	Water Shut-Off
32	48202	Hose Coupler Nipple
33	48197	Hose Coupler
34	85877	Adjusting Screw w/Seals
35	85882	Seals for Adjusting Screw
36	65392	O-Ring
	65127	Wash Wand Nozzle (Not Shown)
37	95787	Reducing Bushing

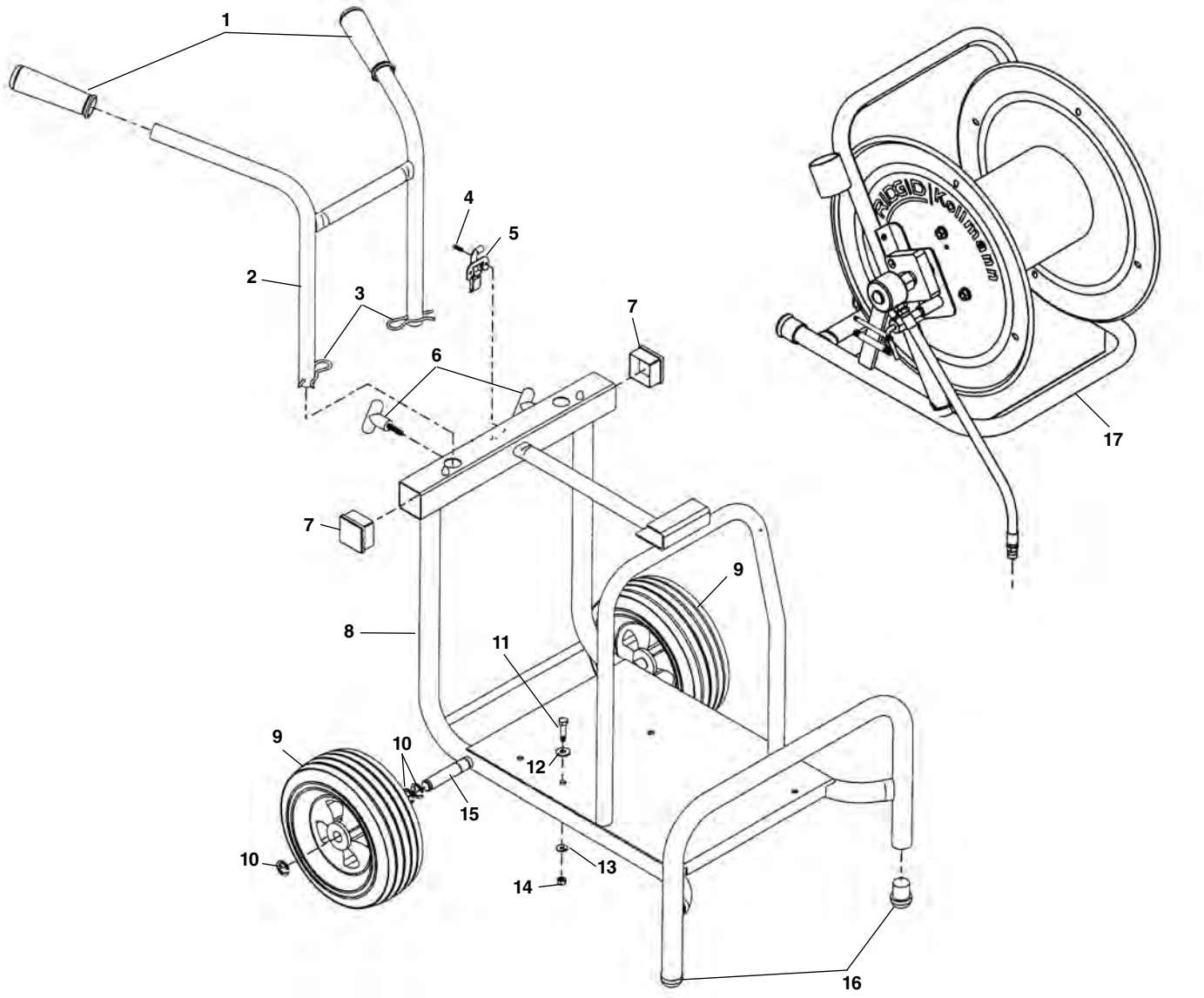
Pump Assembly New Style



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

Ref. No.	Catalog No.	Description
1	96722	Valve Cap (6)
2	96642	O-Ring (6)
3	96727	Plug
4	96732	O-Ring
5	66202	Cup Spreader
6	66307	Cup Retainer
7	66217	Bolt (8)
8	66222	Cover
9	96787	Shim Set
10	96737	Ball Bearing
11	96742	Crankcase
12	65262	Dipstick
13	66242	Plunger Nut
14	66247	Plunger Washer
15	96747	Plunger
16	96752	Slinger (3)
17	96757	O-Ring (3)
18	96762	Plunger Guide
19	66272	Wrist Pin (3)
20	66277	Connecting Rod (3)
21	96767	Crankcase Cover
22	96777	Bolt (6)
23	96667	Drain Plug (2)
24	65357	O-Ring (3)
25	96812	Washers (3)
26	96782	Crankshaft
27	66297	Key
28	66302	Cover
29	96802	Pump Head
30	96807	Washers (8)
31	66317	Bolt (8)
32	96792	Port Plug,
33	96677	O-Ring
34	96797	Port Plug
35	96707	Valve Kits – 6 Valves, 6 O-Rings
36	66207	Water Seal Kit – 3 each, U-Cup, O-Ring, Cup
37	96712	Oil Seal Kit – 4 Seals, 3 O-rings

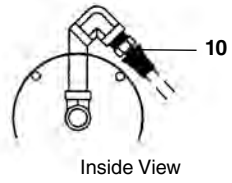
Cart with Hose Reel



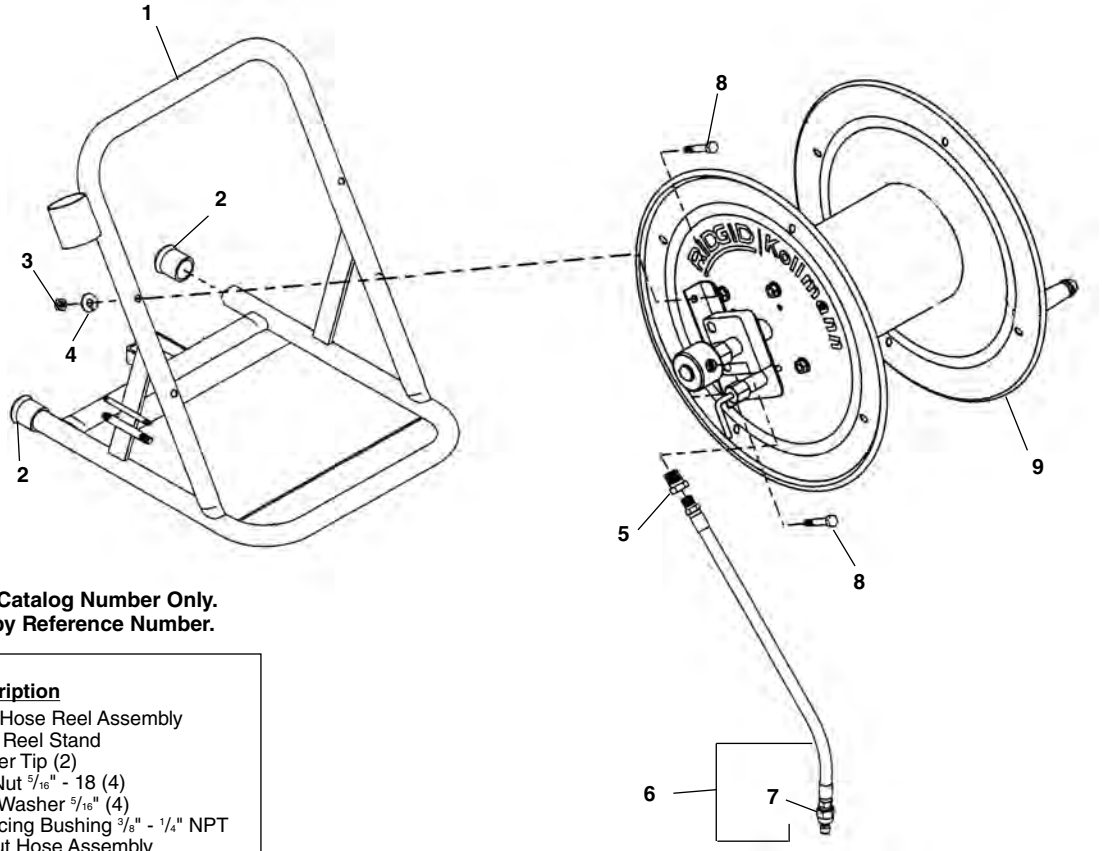
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	60827	Hand Grip (2)
2	66017	Handle Assembly
3	60677	Hairpin (2)
4	27017	Screw, Self Tapping #12-24 x 3/4" (2)
5	47972	Latch
6	60622	Mounting Knob (2)
7	66027	Square Plug (2)
8	66032	Frame
9	23597	Wheel (2)
10	60050	Retaining Ring (6)
11	43992	Hex Screw 3/8"-16 x 2" (4)
12	59970	Flat Washer 3/8" (4)
13	60085	Lock Washer 3/8" (4)
14	60395	Hex Nut 3/8" (4)
15	66037	Axle
16	61470	Rubber Plug (2)
17	64862	H-38 Hose Reel Assembly

H-38 Reel Assembly



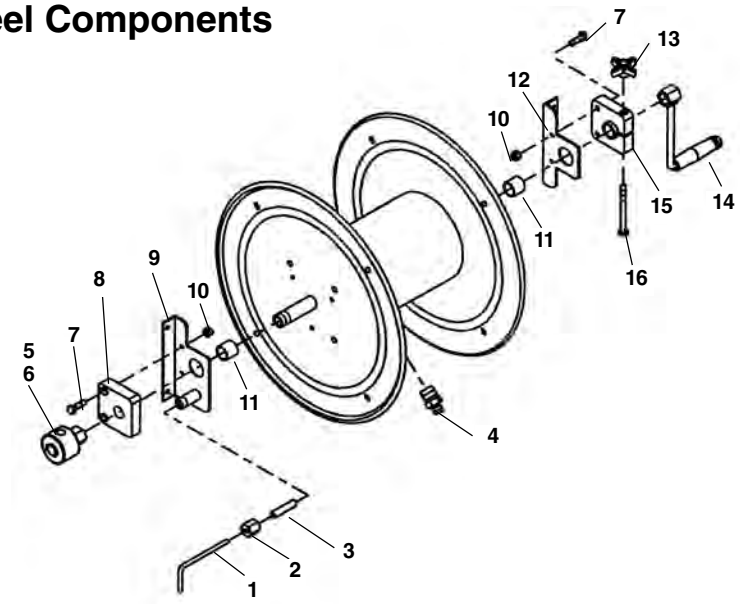
Inside View



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

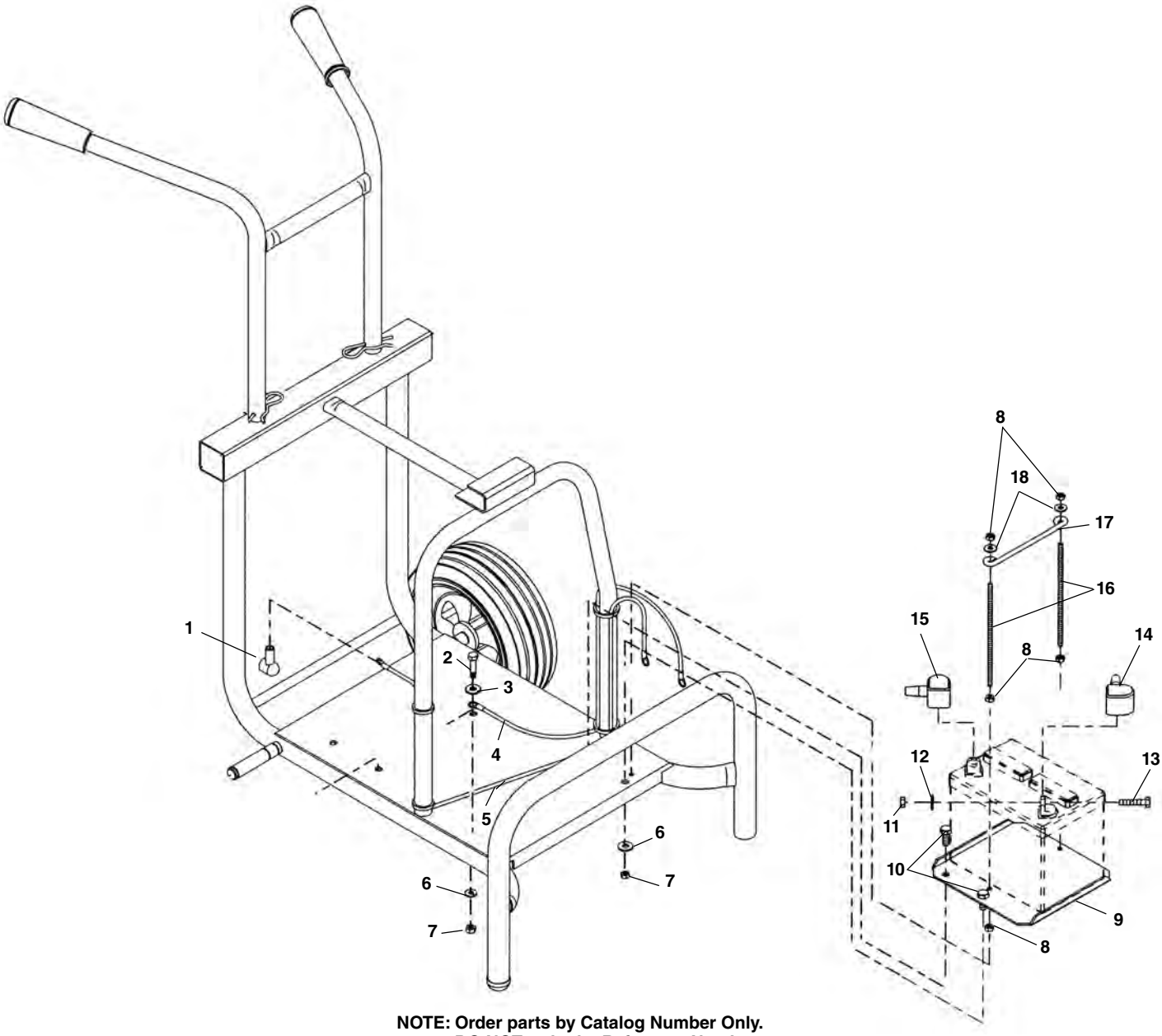
Ref. No.	Catalog No.	Description
—	64862	H-38 Hose Reel Assembly
1	66022	Hose Reel Stand
2	37962	Rubber Tip (2)
3	60230	Hex Nut $^{5}/_{16}$" - 18 (4)
4	60080	Lock Washer $^{5}/_{16}$" (4)
5	48152	Reducing Bushing $^{3}/_{8}$" - $^{1}/_{4}$" NPT
6	66047	Output Hose Assembly
7	48002	Quick Connect - Male
8	43847	Hex Screw $^{5}/_{16}$" - 18 x 1$^{1}/_{2}$" (4)
9	48022	Hose Reel
10	35275	Spring

Reel Components



Ref. No.	Catalog No.	Description
—	48022	Hose Reel COMPLETE
1	67677	Reel Lock
2	67682	Lock Nut
3	67687	Sleeve
4	67692	Reducer Bushing, $^{1}/_{2}$" – $^{1}/_{4}$" NPT M
5	67697	Swivel Connector
6	67702	Service Kit, Swivel
7	85910	Hex Screw, $^{5}/_{16}$" – 18 x 1" (2)
8	67707	Bearing Block, Plain
9	67712	Bracket, Lock Side
10	75110	Hex Nut, $^{5}/_{16}$" – 18 (2)
11	67717	Spacer (2)
12	67727	Bracket, Plain
13	67732	Knob, Drag Brake
14	67737	Crank
15	67742	Bearing Block, Drag
16	67747	Hex Screw, $^{5}/_{16}$" – 18 x 3$^{1}/_{2}$"

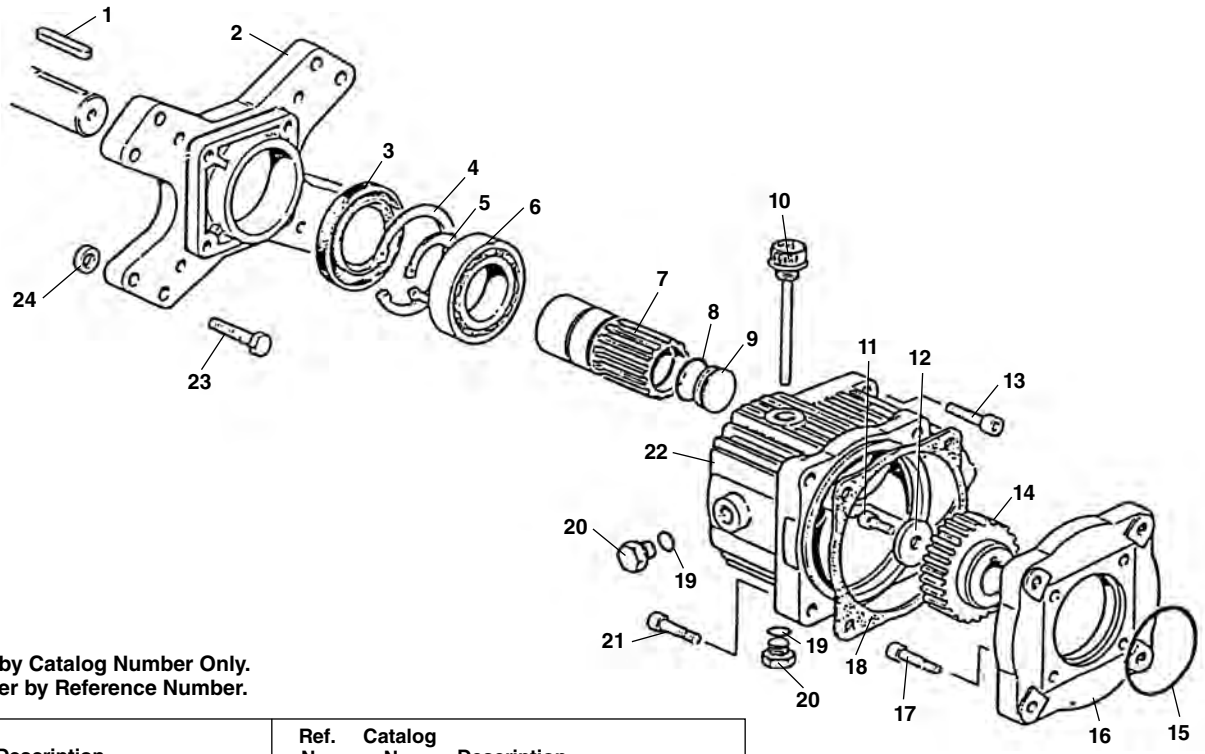
Electric Start Components



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

Ref. No.	Catalog No.	Description
1	66042	Insulator Cap
2	43992	Hex Screw 3/8" 16 x 2" (2)
3	59970	Flat Washer 3/8" (2)
4	66082	Battery Cable, Negative
5	66087	Battery Cable, Positive
6	60085	Lock Washer 3/8" (2)
7	60395	Hex Nut 3/8" - 16 (2)
8	80370	Hex Nut 1/4" - 20 (6)
9	66072	Battery Tray
10	45470	Hex Screw 3/8" - 16 x 1" (2)
11	60230	Hex Nut 5/16" - 18 (2)
12	60080	Lock Washer 5/16" (2)
13	88045	Hex Screw 5/16" - 18 x 7/8" (2)
14	66067	Terminal Insulator - Black
15	66077	Terminal Insulator - Red
16	66062	Tie Down Rod 1/4" - 20 (2)
17	66057	Battery Strap
18	84720	Flat Washer 1/4" (2)

Gearbox

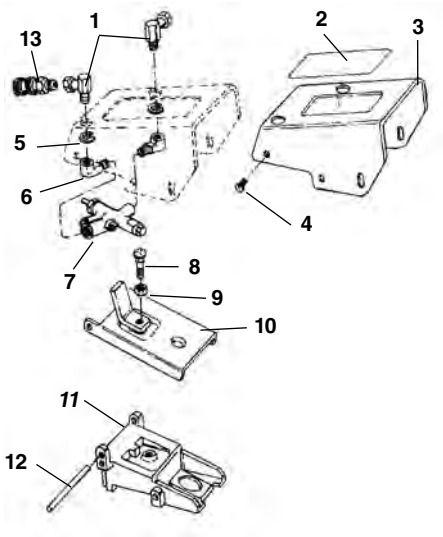


NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	66107	Key, 1/4" x 1/4" x 1"
2	66322	Mounting Flange
3	66327	Shaft Seal
4	66332	Retaining Ring
5	66337	Retaining Ring
6	66342	Ball Bearing
7	66347	Gear Shaft
8	66352	O-Ring
9	66357	Plug
10	66782	Dipstick
11	66362	Soc. Hd. Cap Scr. M6 x 18
12	66367	Washer
13	66372	Soc. Hd. Cap Scr. M8 x 25 (4)
14	66377	Gear
15	66382	O-Ring
16	66387	Flange
17	66392	Soc. Hd. Cap Scr. M8 x 30 (4)
18	66397	Gasket
19	65357	O-Ring (2)
20	65362	Drain Plug (2)
21	66402	Soc. Hd. Cap Scr. M10 x 25 (4)
22	66407	Housing
23	75350	Hex Screw, 3/8" - 16 x 1 1/4" (4)
24	66112	Spacer, Gearbox Mount (4)

FV-1 Foot Valve

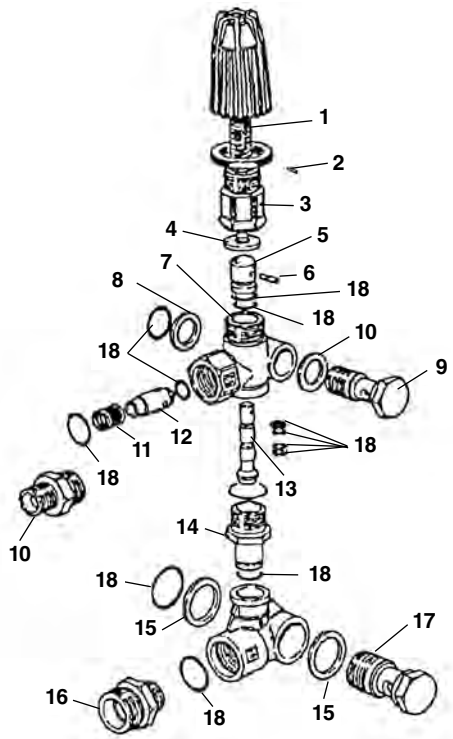
Ref. No.	Catalog No.	Description
—	48157	Foot Valve Complete, FV-1
1	49787	Elbow w/Swivel, 1/4" NPT (2)
2	49777	Decal, Model No.
3	49772	Cover
4	36787	Screw, Self Tapping, #10 (4)
5	49792	Lock Washer 9/16" (2)
6	49797	Street EL, 1/4" NPT(2)
7	49782	Valve Assembly
8	49802	Carriage Bolt, 1/4" NPT
9	47297	Lock Nut, 1/4" - 20
10	49767	Foot Pedal
11	36737	Base
12	36747	Pivot Pin
13	48117	Quick Connect – Female



Unloader Valve - Early Style (Red Knob)

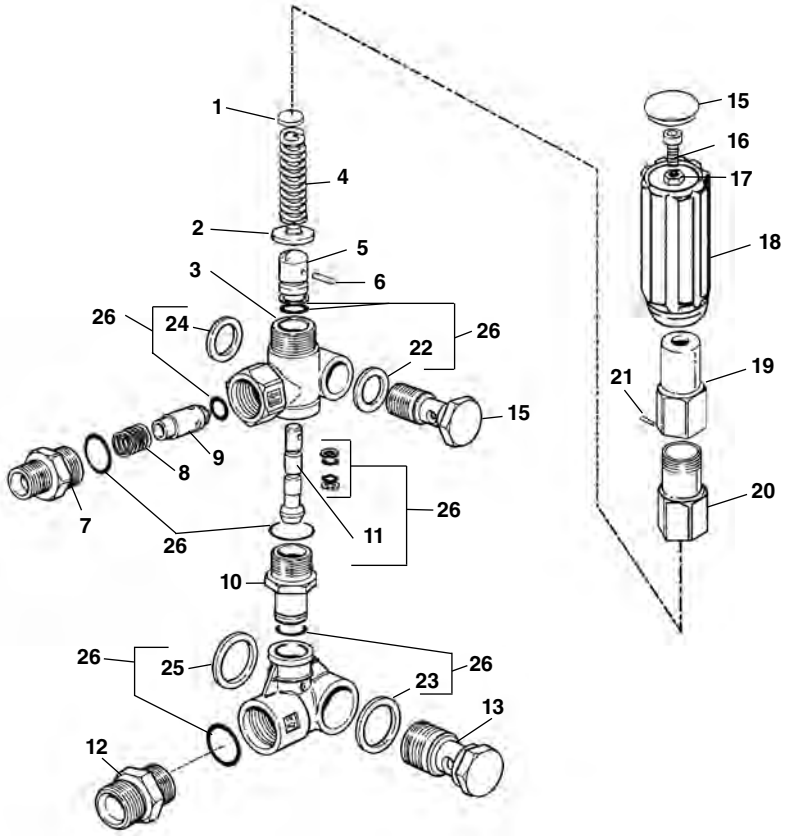
**NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description
1	64282	Spring
2	64292	Set Screw
3	64297	Spring Guide
4	64302	Spring Button
5	64307	Poppet
6	64312	Pin
7	64317	Valve Body
8	64322	Gasket (2)
9	64327	Outlet Port Adapter
10	64332	Poppet Retainer
11	64337	Spring
12	64342	Poppet
13	64347	Plunger
14	64352	By-Pass Spring
15	64357	Gasket
16	64362	Inlet Adapter
17	64372	Port Adapter
18	64377	Seal Kit

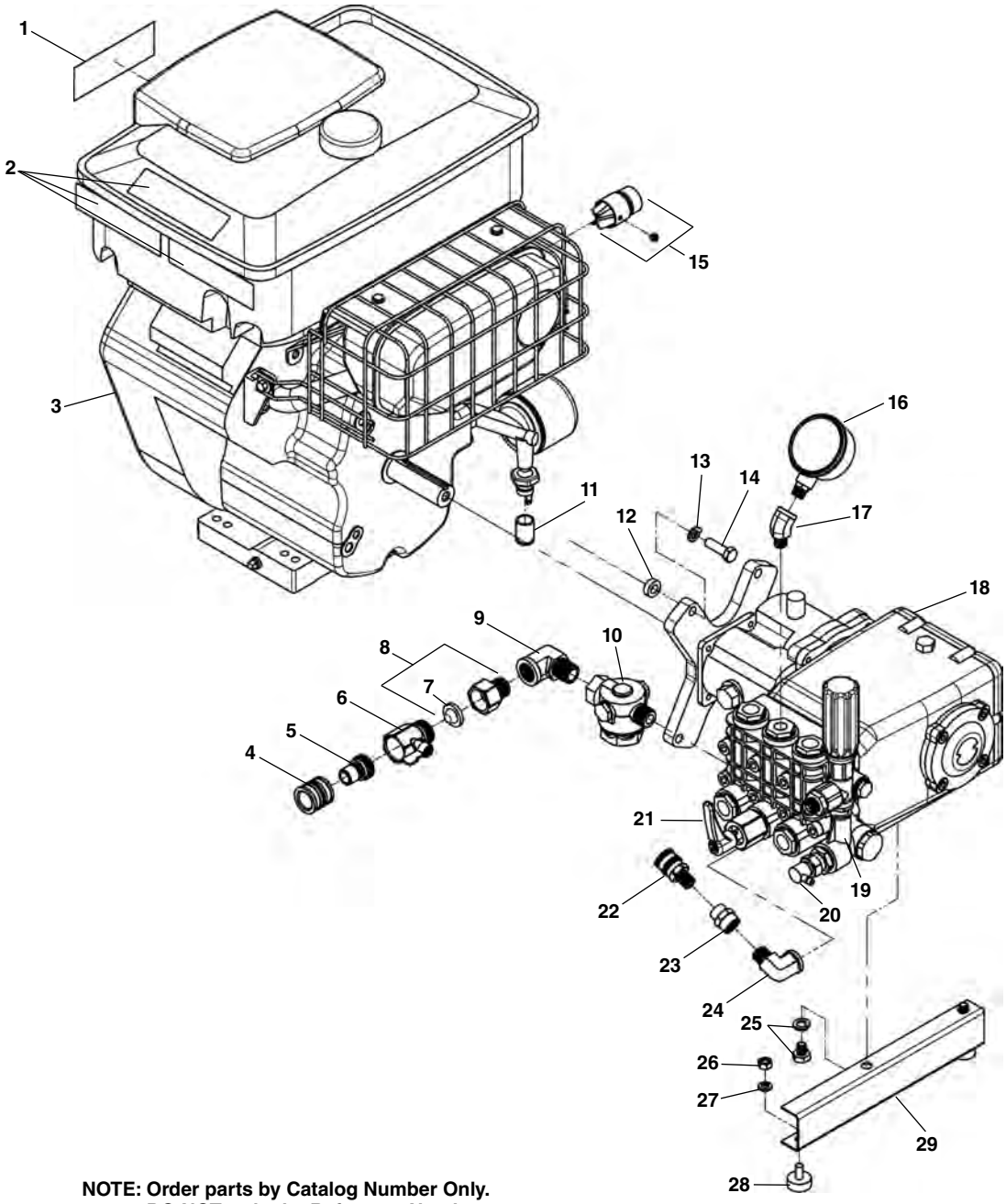


Unloader Valve - (Black Knob)

Ref. No.	Catalog No.	Description
—	65202	Unloader Valve Complete
1	85902	Plate
2	64302	Spring Button
3	64317	Body
4	85897	Spring
5	64307	Poppet
6	64312	Pin
7	64332	Outlet Poppet Retainer
8	64337	Spring
9	64342	Poppet
10	64352	By-Pass Seat
11	64347	Plunger
12	64362	Inlet Adapter
13	64372	Inlet Port Adapter
14	64327	Outlet Port Adapter
15	85892	Plug Cap
16	32270	Soc. Hd. Cap Screw $^{5}/_{16}$" - 18 -$^{3}/_{4}$"
17	61115	Hex Nut $^{5}/_{16}$" x 18
18	85887	Control Knob (Black)
19	85907	Cap
20	85917	Spring Guide
21	85912	Pin
22	64322	Seal Washer
23	64357	Seal Washer
24	85922	Seal Washer
25	85927	Seal Washer
26	85932	Seal Kit



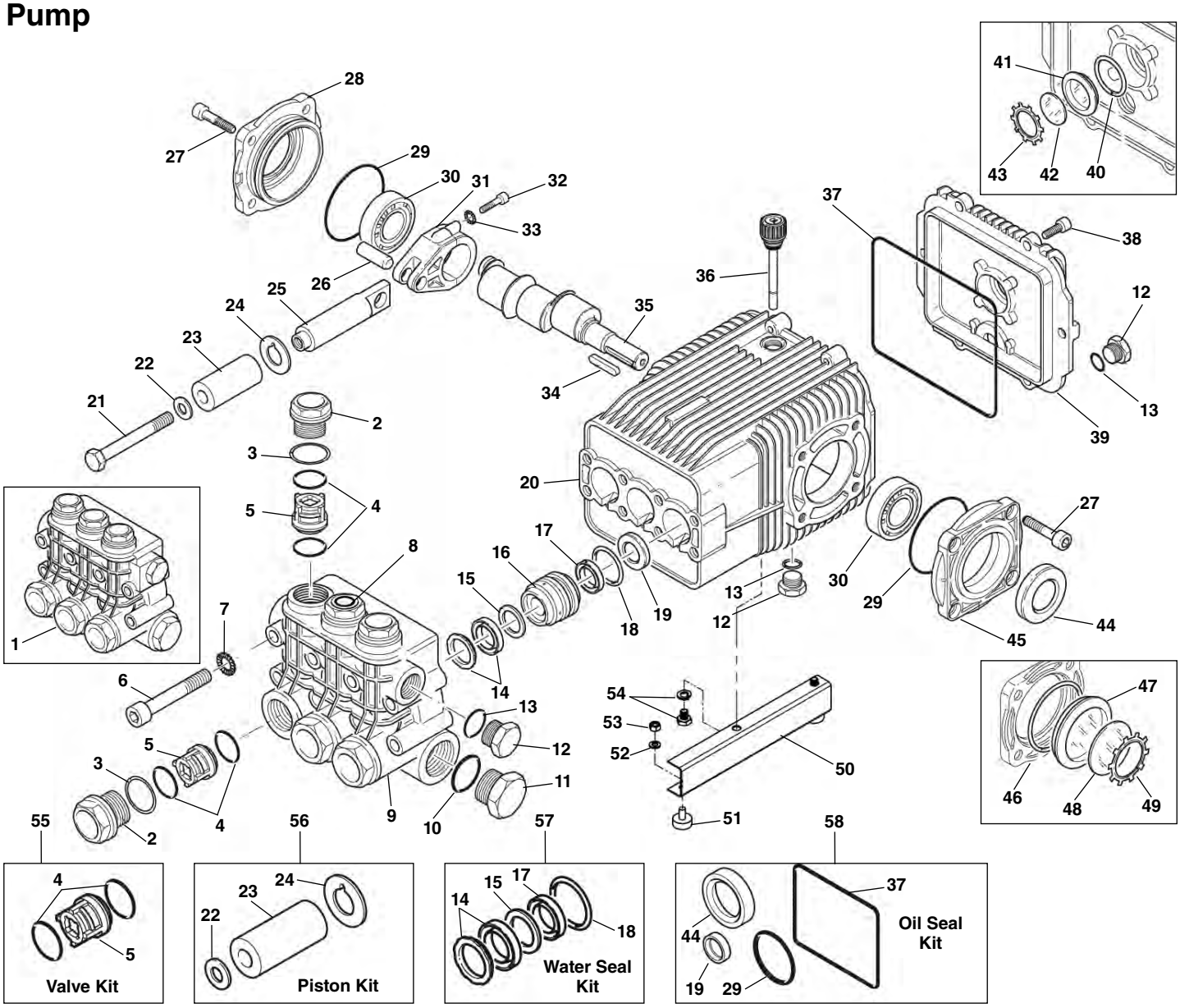
Motor/Pump Assembly



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

Ref. No.	Catalog No.	Description
1	60102	Decal, Fuel Warning
2	40218	Decal, Warning
3	40203	Gasoline Engine, 16 Hp Manual Start
4	48197	Hose Coupler
5	48202	Hose Coupler Nipple
6	49582	Water Shut-Off
7	48287	Filter Washer
8	49587	Hose Adapter (Incl. Ref 7)
9	48147	Street EL, 90 Degree, 1/2" NPT
10	66167	Inlet Filter
11	39363	Cap
12	40558	Spacer
13	60085	Lock Washer (4)
14	40563	Hex Screw, 3/8"
15	40233	Spark Arrestor
16	66117	Pressure Gauge
17	48107	Street EL, 45 Degree
18	40208	Pump Asm Complete (Incl. 19, 20 & 21)
19	40298	Unloader
20	40313	Thermal Relief
21	40303	Pulse Assembly
22	48117	Quick Connect – Female
23	66157	Reducer Adapter
24	66162	Street EL, 90 Degree
25	40183	Hex Cap Screw w/Washer M10 x 12 (2)
26	60230	Hex Nut 5/16" - 18 (2)
27	60080	Lock Washer 1 1/32" (2)
28	48187	Vibration Mount (2)
29	40198	Pump Support Bracket

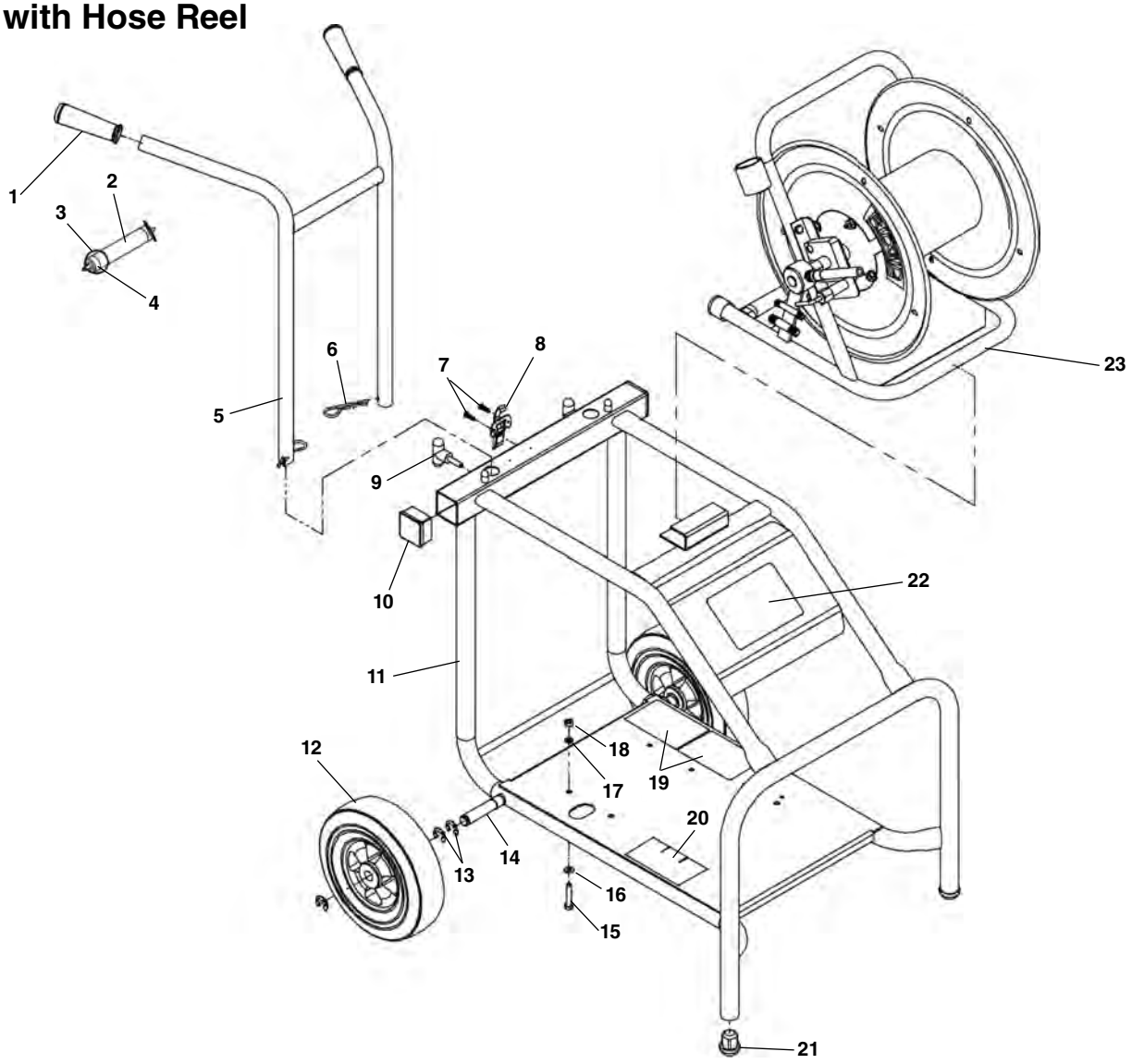
Pump



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

Ref. No.	Catalog No.	Description
–	40288	Triplex Plunger Pump
1	39668	Complete Pump Head
2	39453	Valve Cap (602 in/lbs) (6)
3	39458	Ring (6)
4	39463	O-Ring Ø 20.24 x 2.62 (12)
5	39468	Complete Valve (6)
6	39443	Head Bolt M10 x 80 (442 in/lbs) (8)
7	39448	Lock Washer (8)
8	40308	Gauge Port Adapter
9	39473	Pump Head
10	40278	O-Ring Ø 23.81 x 2.62
11	39483	Plug 3/4" G
12	39433	Plug 3/8" G (3)
13	39493	O-Ring Ø 14 x 1.78 (3)
14	39498	Gasket w/Ring (3)
15	39503	Front Piston Guide (3)
16	39508	Piston Guide (3)
17	39513	Gasket (3)
18	39518	O-Ring Ø 34.65 x 1.78 (3)
19	39638	Seal (3)
20	39588	Pump Housing
21	39663	Bolt M6 x 60 (3)
22	39523	Washer - Copper (3)
23	39528	Piston (3)
24	39533	Spacer (3)
25	39538	Guiding Piston (3)
26	39543	Piston Pin (3)
27	39563	Bolt M8 x 16 (217 in/lbs) (8)
28	39558	Side Cover w/Sight Glass
29	39548	O-Ring Ø 66.34 x 2.62 (2)
30	39568	Bearing (2)
31	39573	Con-Rod (89 in/lbs) (3)
32	39698	Con-Rod Bolt (6)
33	39693	Lock Washer (6)
34	39583	Key
35	39578	Crankshaft 24mm
36	39383	Oil Cap
37	39608	O-Ring Ø 132 x 3
38	39613	Bolt M6 x 16 (89 in/lbs) (6)
39	39618	Complete Cover
40	39463	O-Ring Ø 20.24 x 2.62
41	39598	Oil Sight Glass
42	39623	Contrast Disc
43	39603	Snap Ring
44	39633	Seal Ring
45	39658	Open Bearing Support
46	39678	O-Ring Ø 34.6 x 2.62
47	39673	Oil Sight Glass
48	39683	Contrast Disc
49	39688	Seal
50	40198	Pump Support Bracket
51	48187	Vibration Mount (2)
52	60080	Lock Washer 11/32" (6)
53	60230	Hex Nut 5/16" - 18 (6)
54	40183	Hex Cap Screw w/Washer M10 x 12 (2)
55	39703	Valve Kit
56	39708	Piston Kit
57	39713	Water Seal Kit
58	39718	Oil Seal Kit

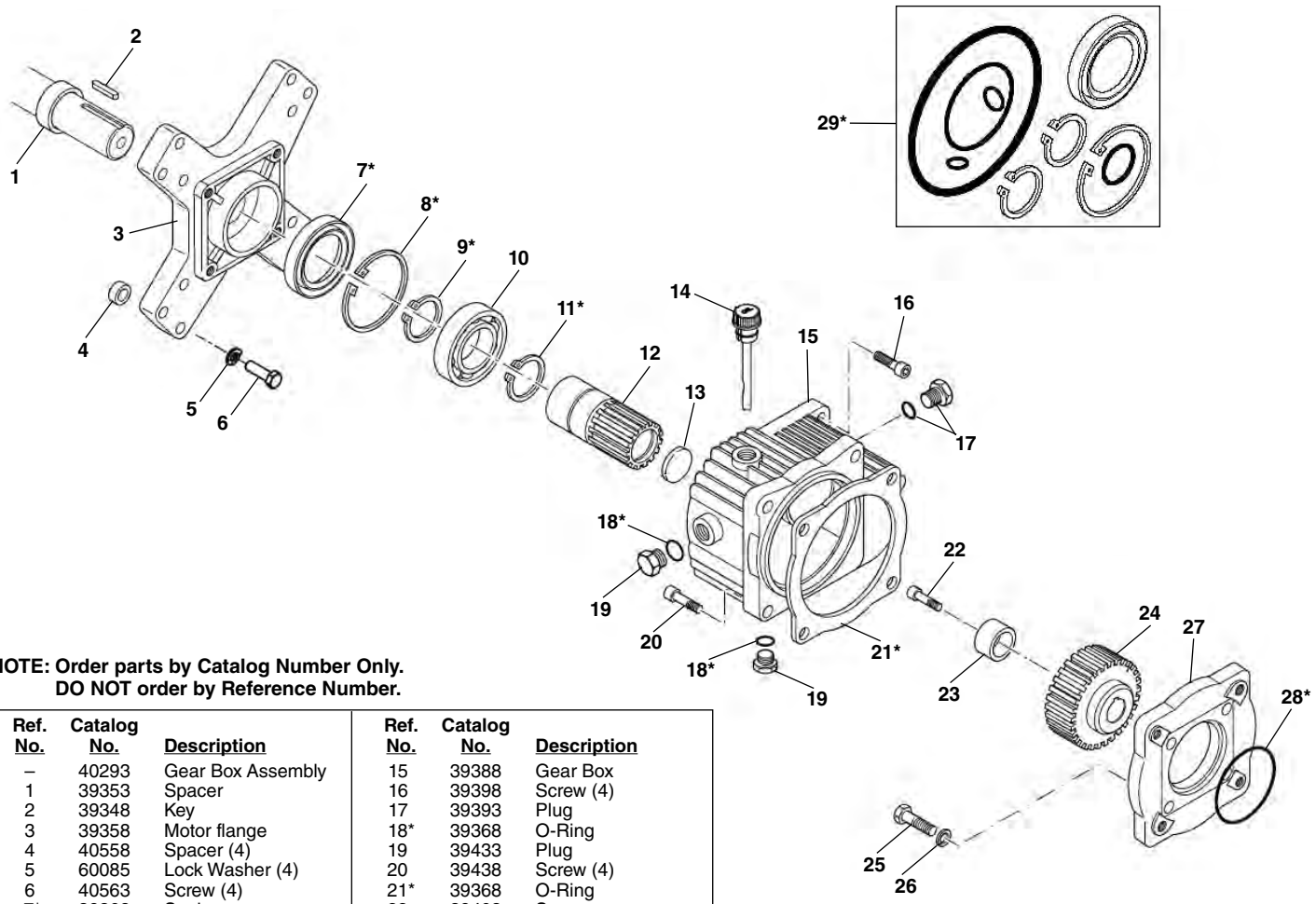
Cart with Hose Reel



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

Ref. No.	Catalog No.	Description
1	60827	Hand Grip (2)
2	27588	Operators Manual Tube
3	54562	Tool Ring
4	27593	Cap
5	66017	Handle Assembly
6	60677	Hairpin (2)
7	27017	Screw, Self Tapping #12-24 x 3/4" (2)
8	47972	Latch
9	60622	Mounting Knob (2)
10	66027	Square Plug (2)
11	40188	Frame
12	23597	Wheel (2)
13	60050	Retaining Ring (6)
14	40193	Axle
15	43992	Hex Screw 3/8"-16 x 2" (4)
16	59970	Flat Washer 3/8" (4)
17	60085	Lock Washer 3/8" (4)
18	60395	Hex Nut 3/8" (4)
19	40228	Engine Warning Label
20	40223	Instruction Label
21	61470	Rubber Plug (2)
22	40213	Model Number Label
23	64862	H-38 Hose Reel Assembly

Gearbox



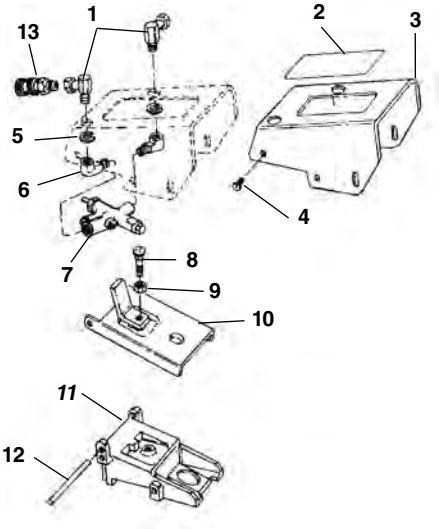
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
–	40293	Gear Box Assembly	15	39388	Gear Box
1	39353	Spacer	16	39398	Screw (4)
2	39348	Key	17	39393	Plug
3	39358	Motor flange	18*	39368	O-Ring
4	40558	Spacer (4)	19	39433	Plug
5	60085	Lock Washer (4)	20	39438	Screw (4)
6	40563	Screw (4)	21*	39368	O-Ring
7*	39368	Seal	22	39403	Screw
8*	39368	Circlip	23	39408	Spacer
9*	39368	Circlip	24	39413	Gear
10	39373	Bearing	25	39428	Screw (4)
11*	39368	Circlip	26	39423	Washer (4)
12	39378	Pinion	27	39418	Flange
13	40568	Cover	28*	39368	O-Ring
14	39383	Oil Plug with O-Ring	29*	39368	Service Kit

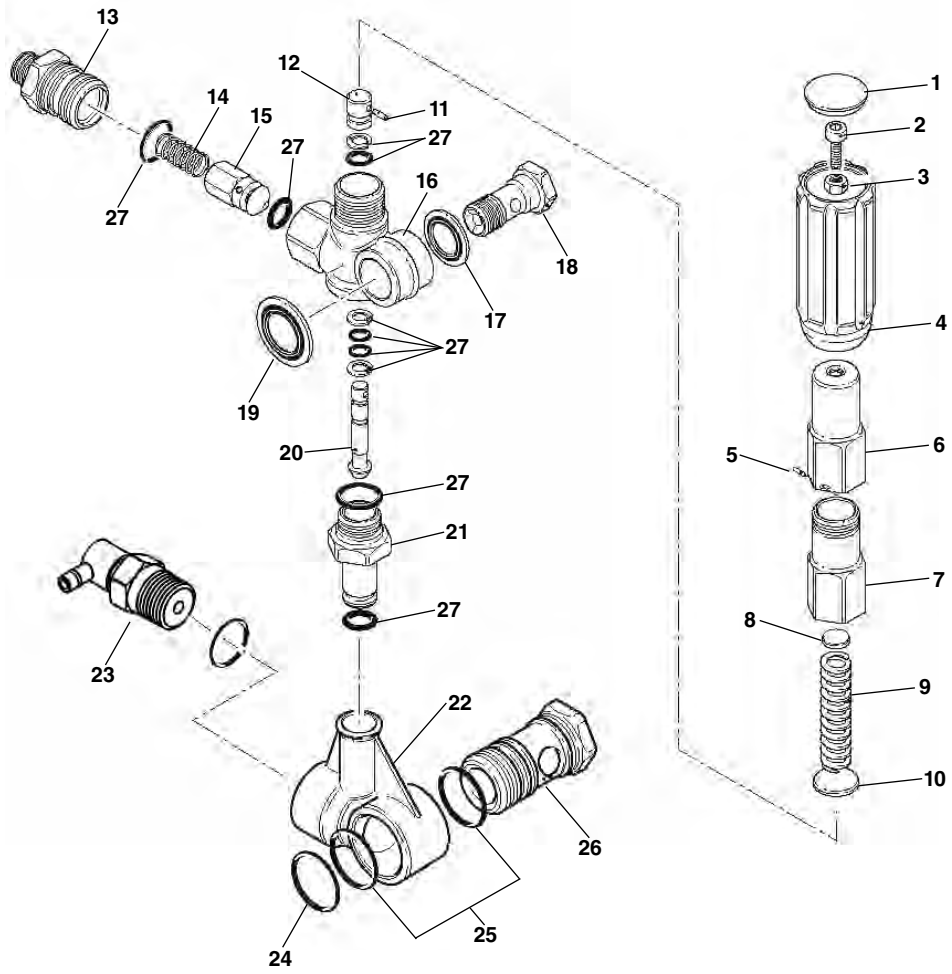
* Sold in Ref # 29 Service Kit only.

FV-1 Foot Valve

Ref. No.	Catalog No.	Description
—	48157	Foot Valve Complete, FV-1
1	49787	Elbow w/Swivel, 1/4" NPT (2)
2	49777	Decal, Model No.
3	49772	Cover
4	36787	Screw, Self Tapping, #10 (4)
5	49792	Lock Washer 9/16" (2)
6	49797	Street EL, 1/4" NPT(2)
7	49782	Valve Assembly
8	49802	Carriage Bolt, 1/4" NPT
9	47297	Lock Nut, 1/4" - 20
10	49767	Foot Pedal
11	36737	Base
12	36747	Pivot Pin
13	48117	Quick Connect – Female



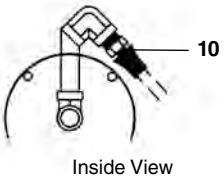
Unloader Valve - (Black Knob)



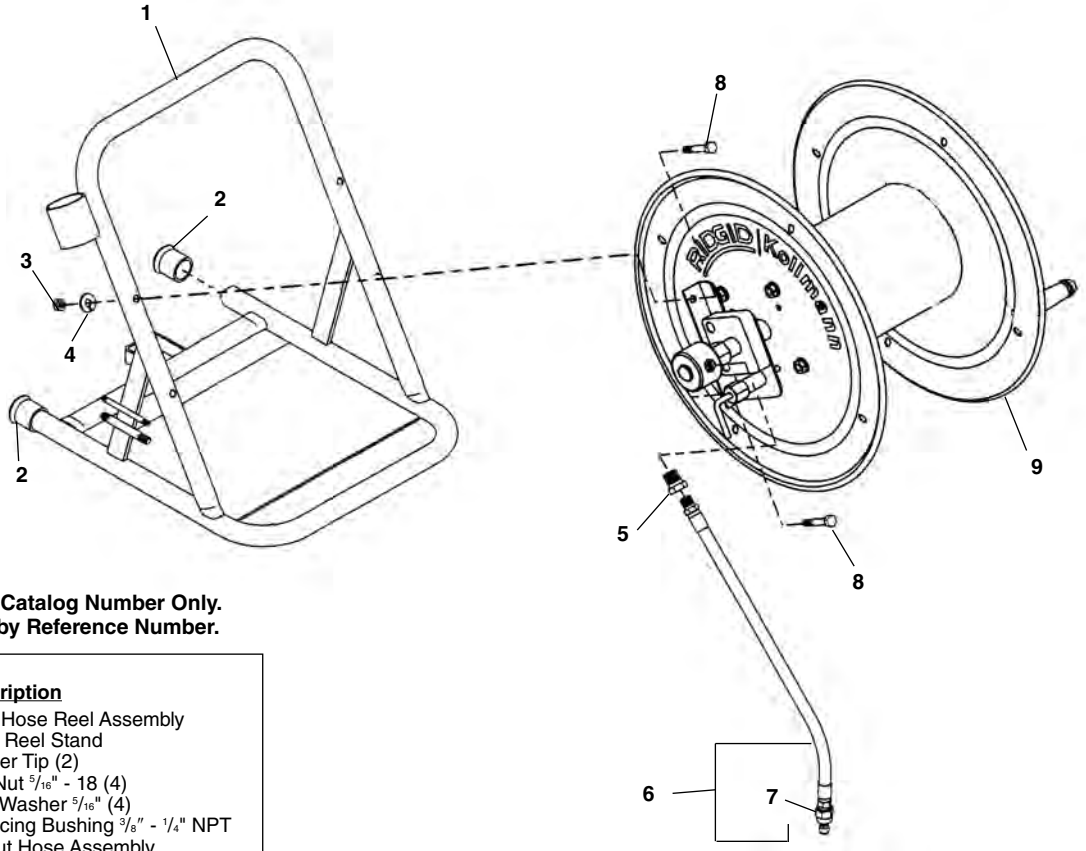
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
–	40298	Unloader Complete
1	39878	Knob Plug
2	39883	Bolt
3	39888	Nut
4	39893	Handle
5	39898	Pin
6	39903	Adjusting Screw
7	39908	Spring Guide
8	39913	Plate
9	39918	Spring
10	39923	Spring Plate
11	39928	Pin
12	39933	Upper Piston
13	40238	Brass Adaptor 3/8" G
14	39943	Spring
15	39938	Shutter Valve
16	39958	Valve Housing
*17	39953	Washer
18	39948	Fitting 3/8" G
*19	39963	Washer
20	39968	Lower Piston
21	39973	By-Pass Adaptor
22	39978	By-Pass Housing 3/4" G
23	40313	Thermal Relief
24	40278	O-Ring
25	40243	O-Ring (2)
26	39983	Brass Fitting 3/4" G
*27	39993	Repair Kit (* Incl in Kit)

H-38 Reel Assembly



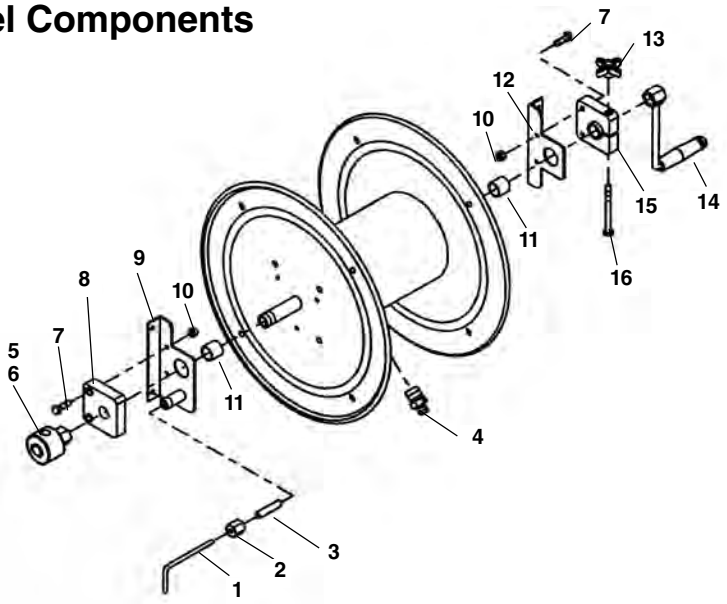
Inside View



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

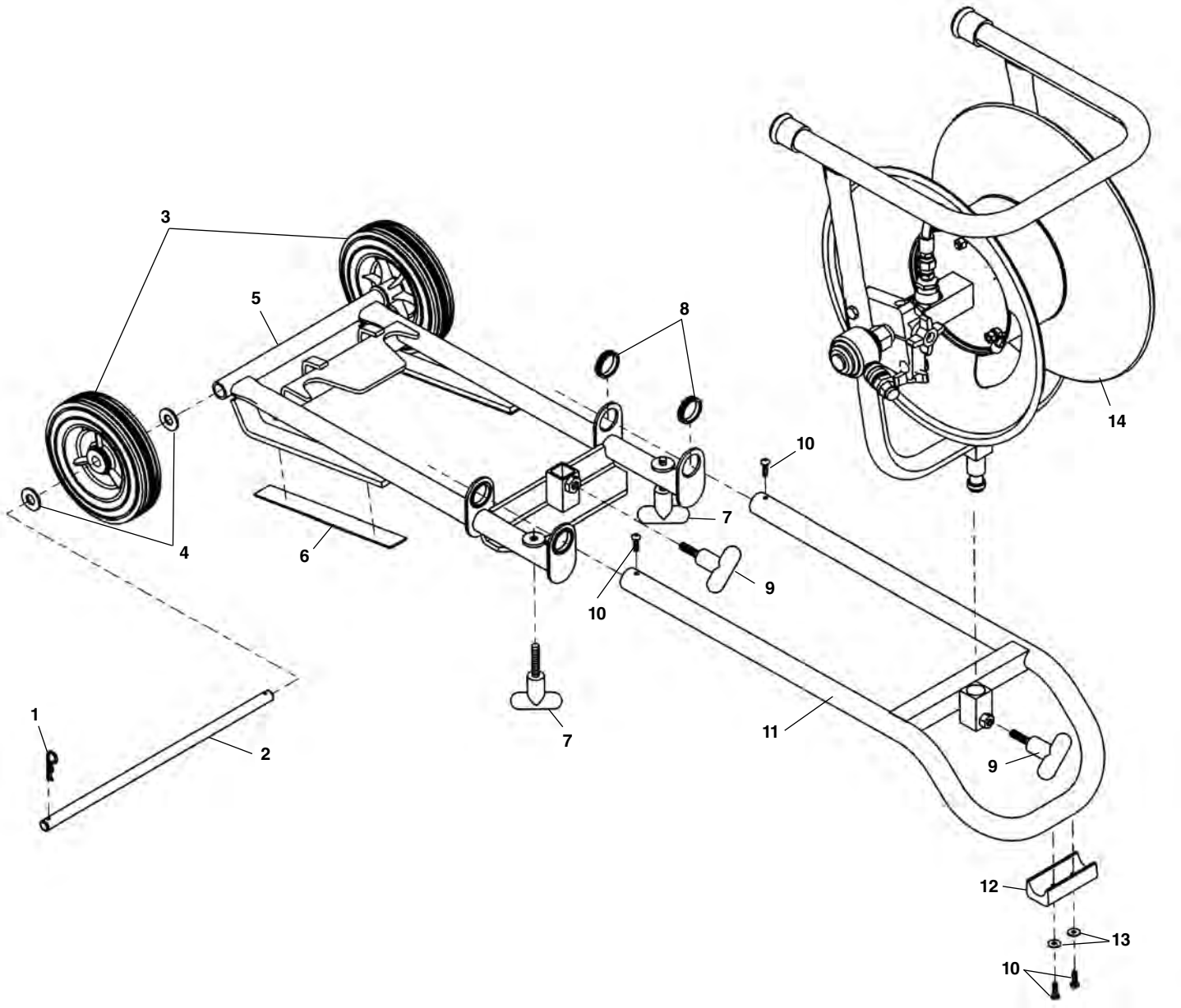
Ref. No.	Catalog No.	Description
—	64862	H-38 Hose Reel Assembly
1	66022	Hose Reel Stand
2	37962	Rubber Tip (2)
3	60230	Hex Nut $^{5}/_{16}$" - 18 (4)
4	60080	Lock Washer $^{5}/_{16}$" (4)
5	47987	Reducing Bushing $^{3}/_{8}$" - $^{1}/_{4}$" NPT
6	66047	Output Hose Assembly
7	48002	Quick Connect - Male
8	43847	Hex Screw $^{5}/_{16}$" - 18 x 1$^{1}/_{2}$" (4)
9	48022	Hose Reel
10	35275	Spring

Reel Components



Ref. No.	Catalog No.	Description
—	48022	Hose Reel COMPLETE
1	67677	Reel Lock
2	67682	Lock Nut
3	67687	Sleeve
4	67692	Reducer Bushing, $^{1}/_{2}$" – $^{1}/_{4}$" NPT M
5	67697	Swivel Connector
6	67702	Service Kit, Swivel
7	85910	Hex Screw, $^{5}/_{16}$" – 18 x 1" (2)
8	67707	Bearing Block, Plain
9	67712	Bracket, Lock Side
10	75110	Hex Nut, $^{5}/_{16}$" – 18 (2)
11	67717	Spacer (2)
12	67727	Bracket, Plain
13	67732	Knob, Drag Brake
14	67737	Crank
15	67742	Bearing Block, Drag
16	67747	Hex Screw, $^{5}/_{16}$" – 18 x 3$^{1}/_{2}$"

Cart with Hose Reel



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

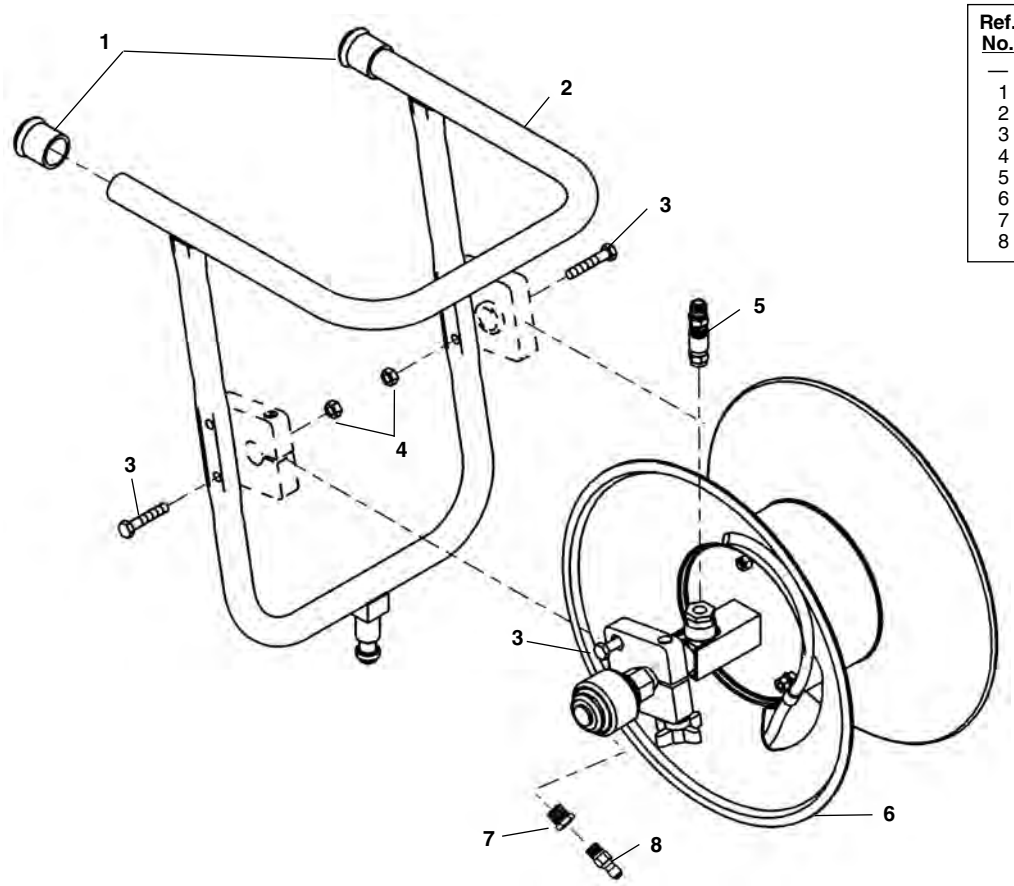
Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—*	64697	H-10 Cart Assembly	8	63987	Bushing (4)
1	64382	Hairpin Clip (2)	9	60622	Knob, T-Handle
2	63997	Axle	10	59990	Screw
3	64002	Wheel	11	64012	Cart Handle
4	60847	Washer	12	64017	Handle Foot
5	63982	Cart Base	13	84720	Washer
6	63992	Pad (2)	14	62882	H-5 Hose Reel Assembly
7	64007	Knob, T-Handle			

*** Requires the H-10A Adapter Kit, #62897, to mount the KJ-1750.**

H-5 Hose Reel Assembly

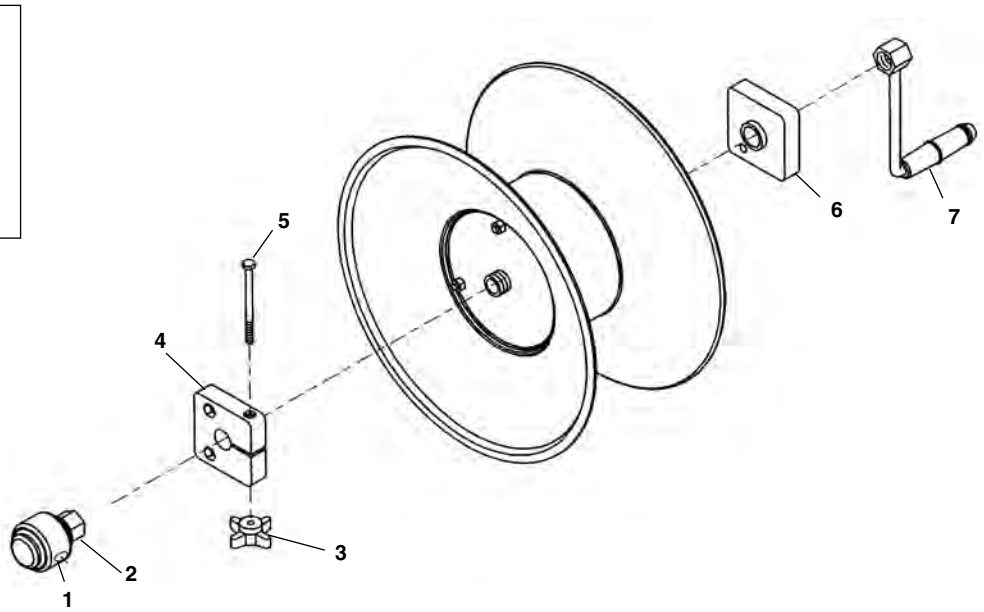
NOTE: Order parts by Catalog Number Only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	62882	H-5 Hose Reel Assembly
1	37962	Rubber Foot
2	64022	Frame, Hose Reel
3	89870	Hex Screw, 5/16" – 18 x 1 3/4"
4	75110	Hex Lock Nut, 5/16" – 18
5	64032	Hex Nipple, 1/4"
6	64027	Hose Reel COMPLETE
7	47987	Reducer Bushing, 3/8M x 1/4F
8	48487	Quick Connect, Male

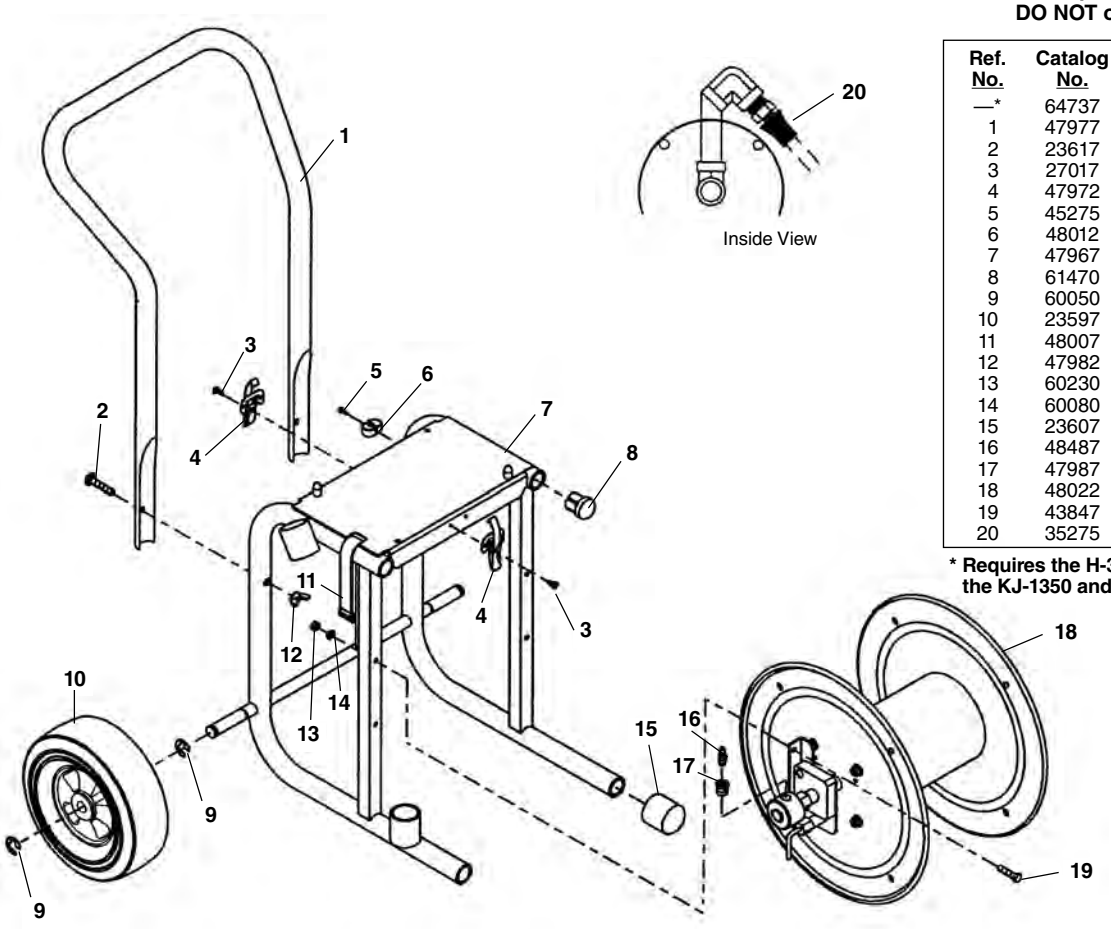


Hose Reel Components

Ref. No.	Catalog No.	Description
—*	64027	Hose Reel COMPLETE
1	67697	Swivel Connector
2	67702	Seal Kit, Swivel
3	67732	Knob, Drag Brake
4	67742	Bearing Block, Drag
5	67747	Hex Screw, 5/16" - 18 x 3 1/2"
6	67707	Bearing Block, Plain
7	67737	Crank



Cart with Hose Reel

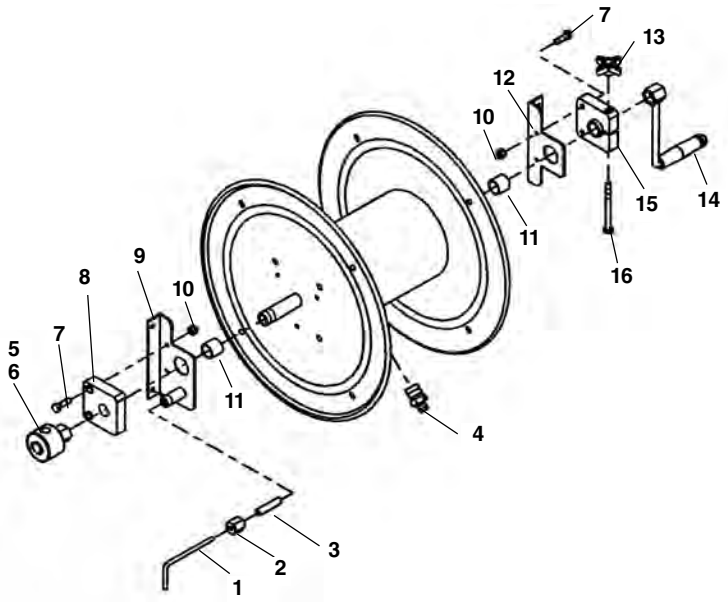


NOTE: Order parts by Catalog Number Only. DO NOT order by Reference Number.

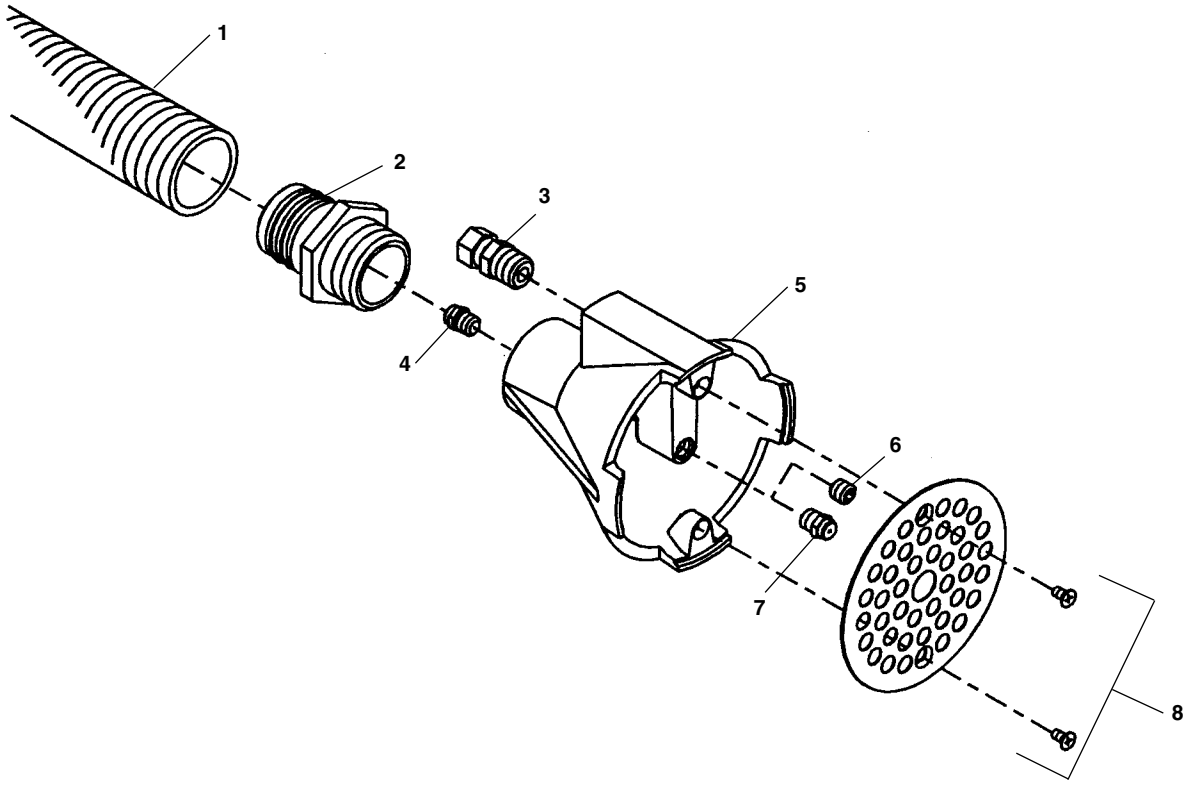
Ref. No.	Catalog No.	Description
—*	64737	H-30 Cart with Hose Reel
1	47977	Cart Handle
2	23617	Carriage Bolt, 3/8" – 16 x 2" (2)
3	27017	Screw, #12 – 24 x 5/8" (4)
4	47972	Latch (2)
5	45275	Screw, #10 – 24 x 1/2"
6	48012	Spring Clip
7	47967	Frame Weldment
8	61470	Rubber Plug
9	60050	Retaining Ring (4)
10	23597	Wheel (2)
11	48007	Cinch Strap
12	47982	Wing Nut, 3/8" (2)
13	60230	Hex Nut, 5/16" (4)
14	60080	Lock Washer 5/16" (4)
15	23607	End Cap (2)
16	48487	Quick Connect, Male 1/4" NPT
17	47987	Reducer Bushing, 3/8" – 1/4" NPT F
18	48022	Hose Reel Complete
19	43847	Hex Screw, 5/16" – 18 x 1 1/2" (4)
20	35275	Spring

*** Requires the H-30A Adapter Kit, #62892, to mount the KJ-1350 and KJ-1750 Export Jetters.**

Reel Components

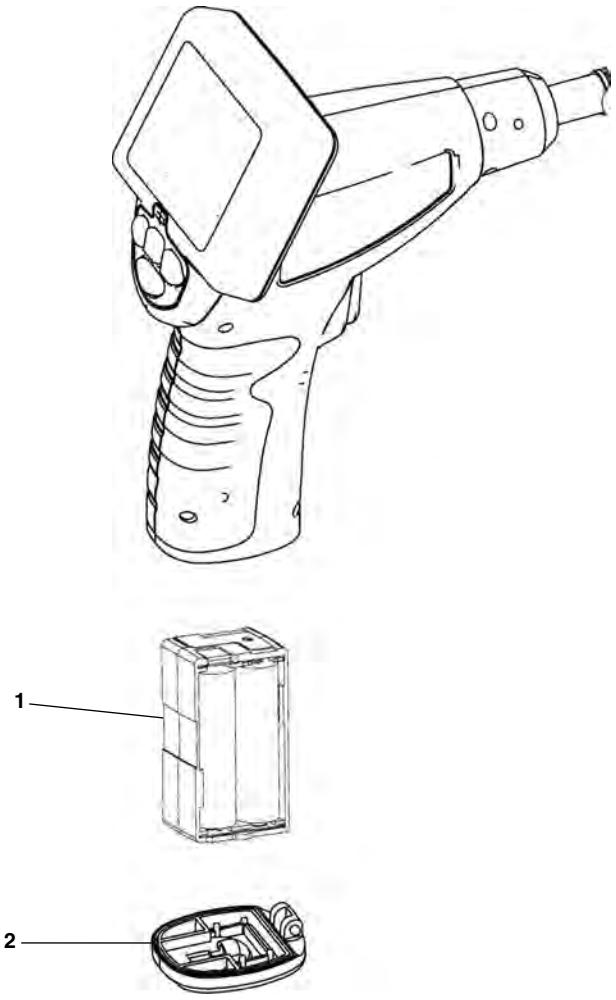


Ref. No.	Catalog No.	Description
—	48022	Hose Reel COMPLETE
1	67677	Reel Lock
2	67682	Lock Nut
3	67687	Sleeve
4	67692	Reducer Bushing, 1/2" – 1/4" NPT M
5	67697	Swivel Connector
6	67702	Service Kit, Swivel
7	85910	Hex Screw, 5/16" – 18 x 1" (2)
8	67707	Bearing Block, Plain
9	67712	Bracket, Lock Side
10	75110	Hex Nut, 5/16" – 18 (2)
11	67717	Spacer (2)
12	67727	Bracket, Plain
13	67732	Knob, Drag Brake
14	67737	Crank
15	67742	Bearing Block, Drag
16	67747	Hex Screw, 5/16" – 18 x 3 1/2"



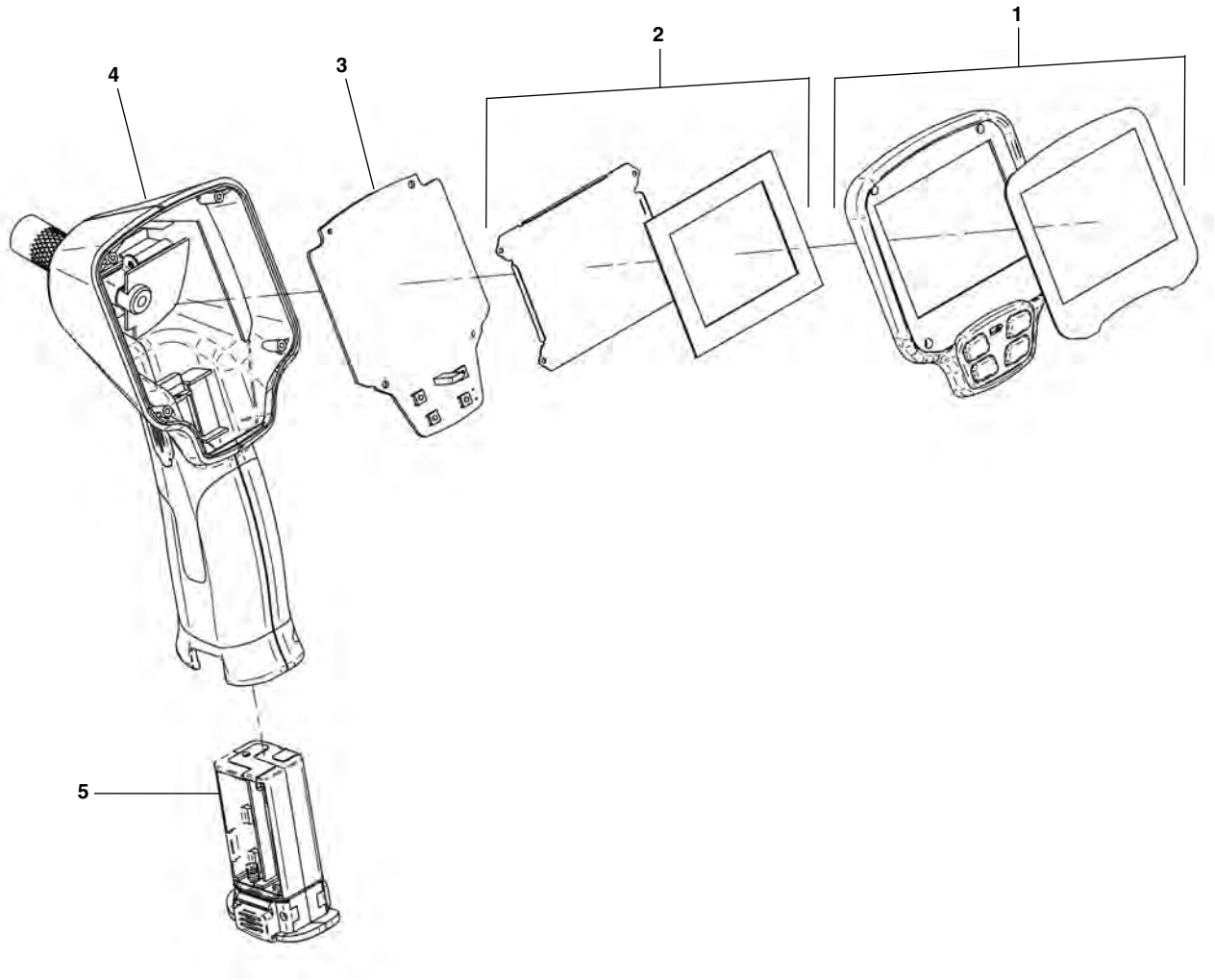
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	67187	H-32 Jet Vac
1	73862	Jet Vac Hose
2	73867	Hose Barb
3	73872	1/4" Hose Connector
4	73877	#3 Jet Vac Nozzle
5	73892	Jet Vac Body
6	46815	1/8" NPT Pipe Plug
7	73882	#2 Jet Vac Nozzle
8	73887	Screen Assembly w/Screws



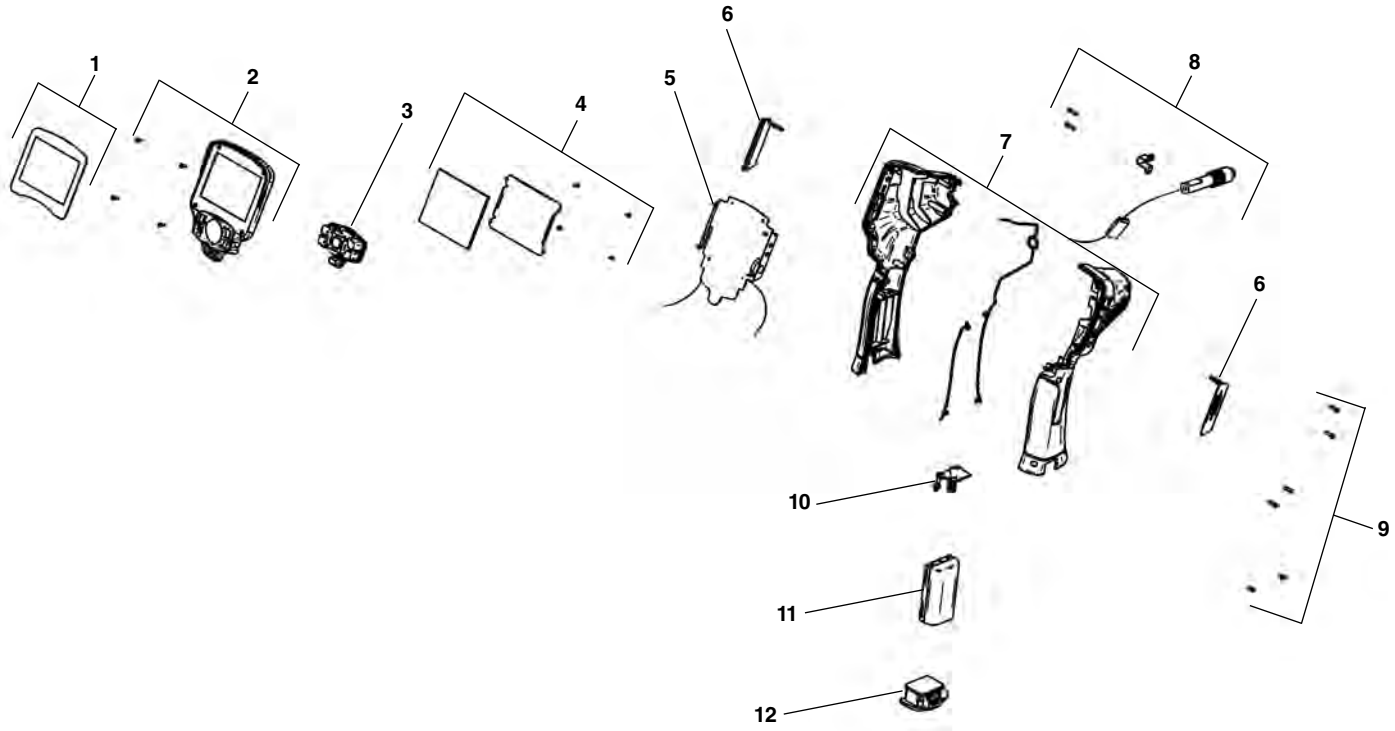
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	46763	Holder, CA-25 Battery
2	46768	Door, CA-25 Battery



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

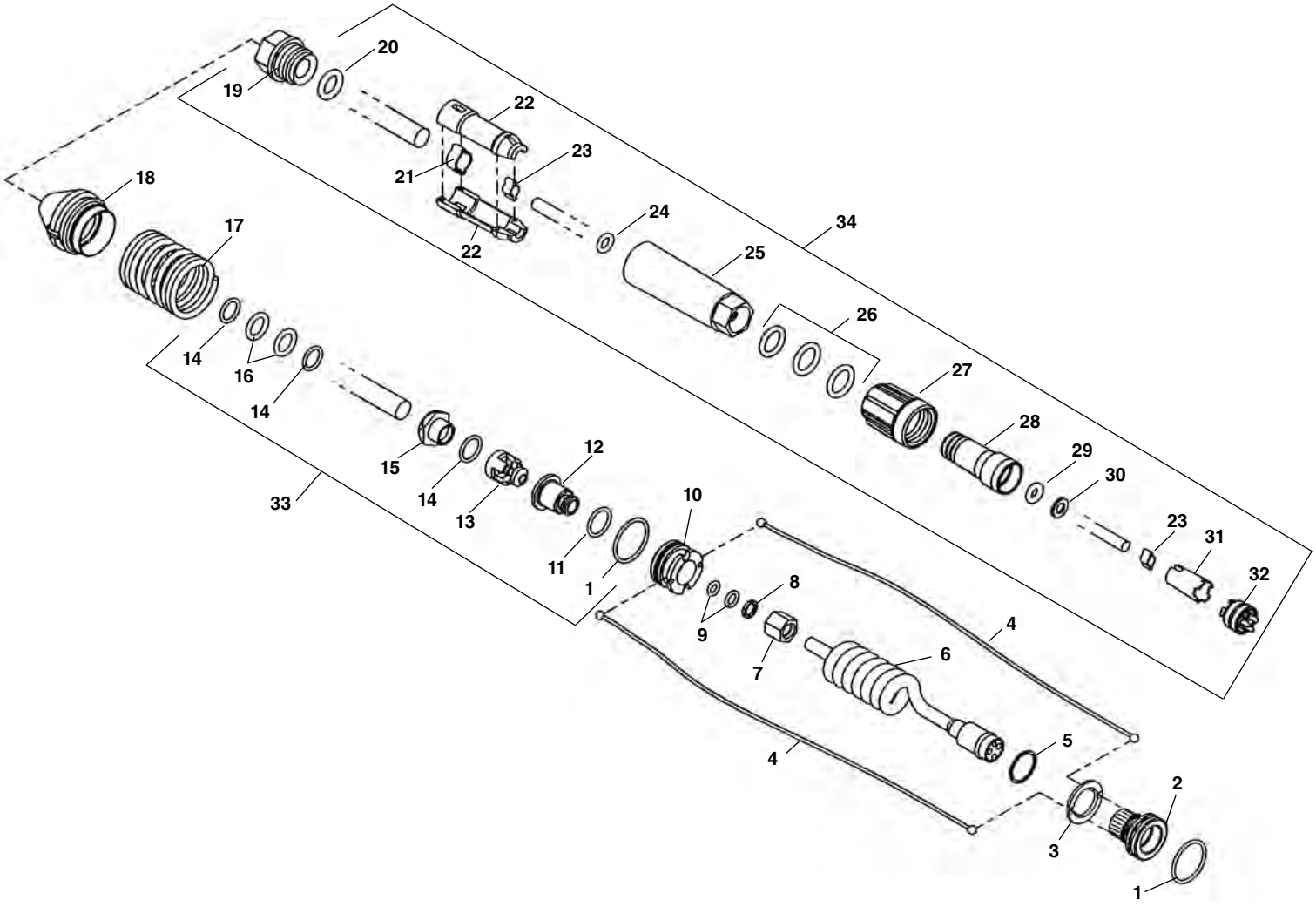
Ref. No.	Catalog No.	Description
–	36738	micro CA-100
1	40968	LCD Cover Assembly
2	40973	LCD Assembly
3	40978	PCB Assembly
4	40983	Handle Set
5	40993	Battery Holder Assembly
Items Not Shown		
	45943	micro CA-100 Case



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

Ref. No.	Catalog No.	Description
1	44553	Window Display
2	44548	Top Cover Assembly
3	44538	Keypad
4	44543	LCD Screen Assembly
5	44518	PCB Assembly
6	44558	Port Covers
7	44563	Handle Set w/gasket
8	44528	Imager Cable Connector
9	44523	Screws (6)
10	44533	Battery PCB
11	37083	3.7V Battery
12	44513	Battery Door
Items Not Shown		
	37088	Battery Charger
	30208	Car Charger Adapter
	40028	AC Adapter (US)
	40053	AC Adapter (EU)
	40458	AC Adapter (AU)
	40463	AC Adapter (JP)
	42288	IC Adapter

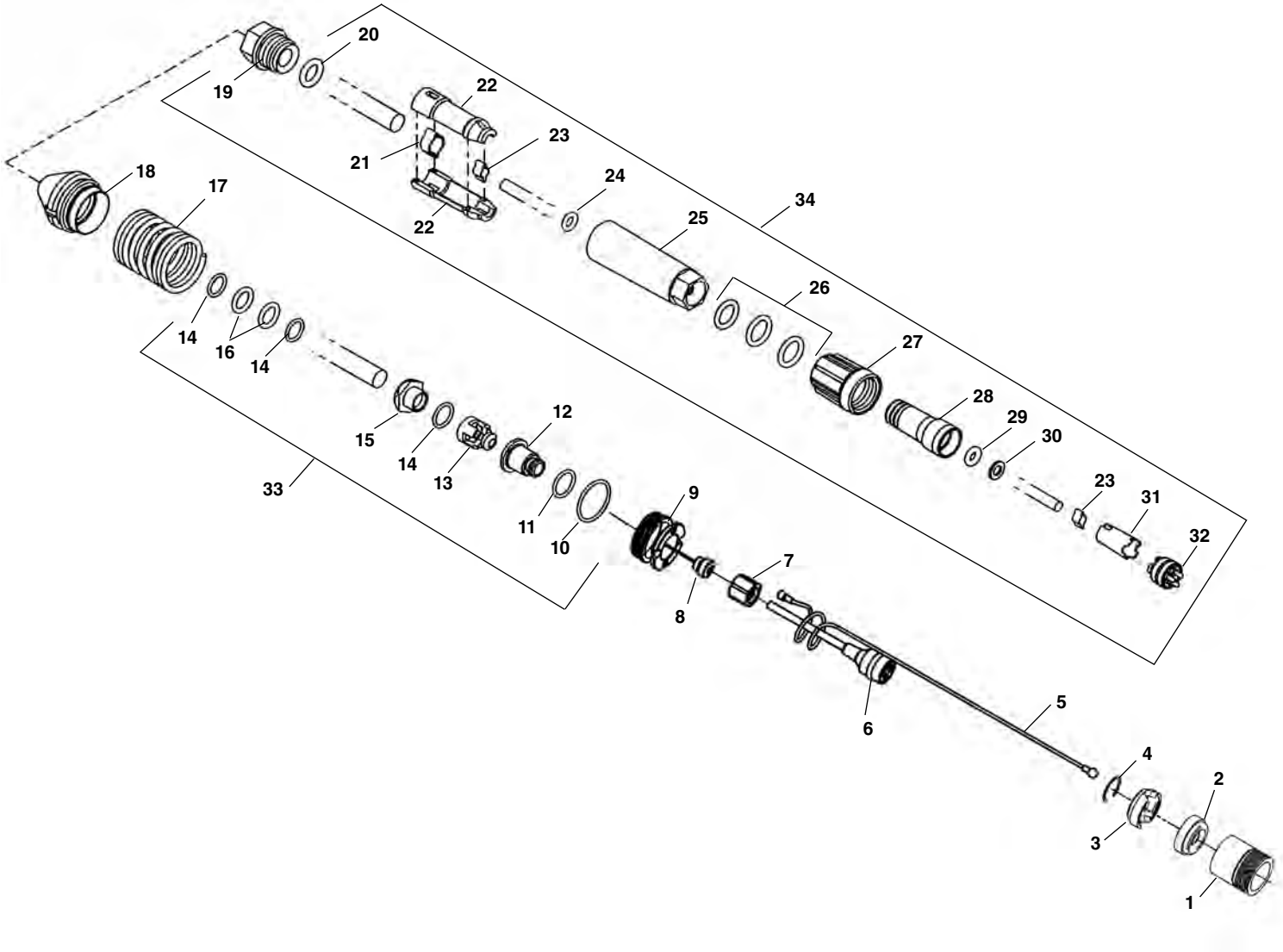
Regular Push Cable



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

Ref. No.	Catalog No.	Description
1	71482	O-Ring (2)
2	71467	Locking Sleeve
3	71477	Safe Ring
4	71247	Safety Cable (2)
5	71472	Back Up Ring
6	71297	Camera Whip
7	71287	Compression Nut
8	71272	Back Up Ring
9	71277	O-Ring
10	71292	Spring Sleeve Cap
11	71487	O-Ring
12	71502	Wire Sleeve
13	71507	Push Bond
14	71512	O-Ring (2)
15	71282	Push Nut
16	71517	O-Ring (2)
17	69987	Spring Assembly
18	71302	Rear Spring Shell
19	71657	Push Rod End Nut
20	71677	O-Ring
21	71667	Clamp
22	71652	Inner Clam Shell (2)
23	71607	Clamp (2)
24	71672	O-Ring
25	71662	Main Shell
26	71582	O-Ring (3)
27	71602	Locking Sleeve
28	71592	In Line Shell
29	71577	O-Ring
30	71587	Washer
31	71597	Internal Back Shell
32	71612	Male Insert Assembly
33	62032	Wet End Retermination Kit
34	66802	Dry End Reterm Kit (Includes Ref. Nos. 26-32)

Regular Push Cable – Single Safety Cable

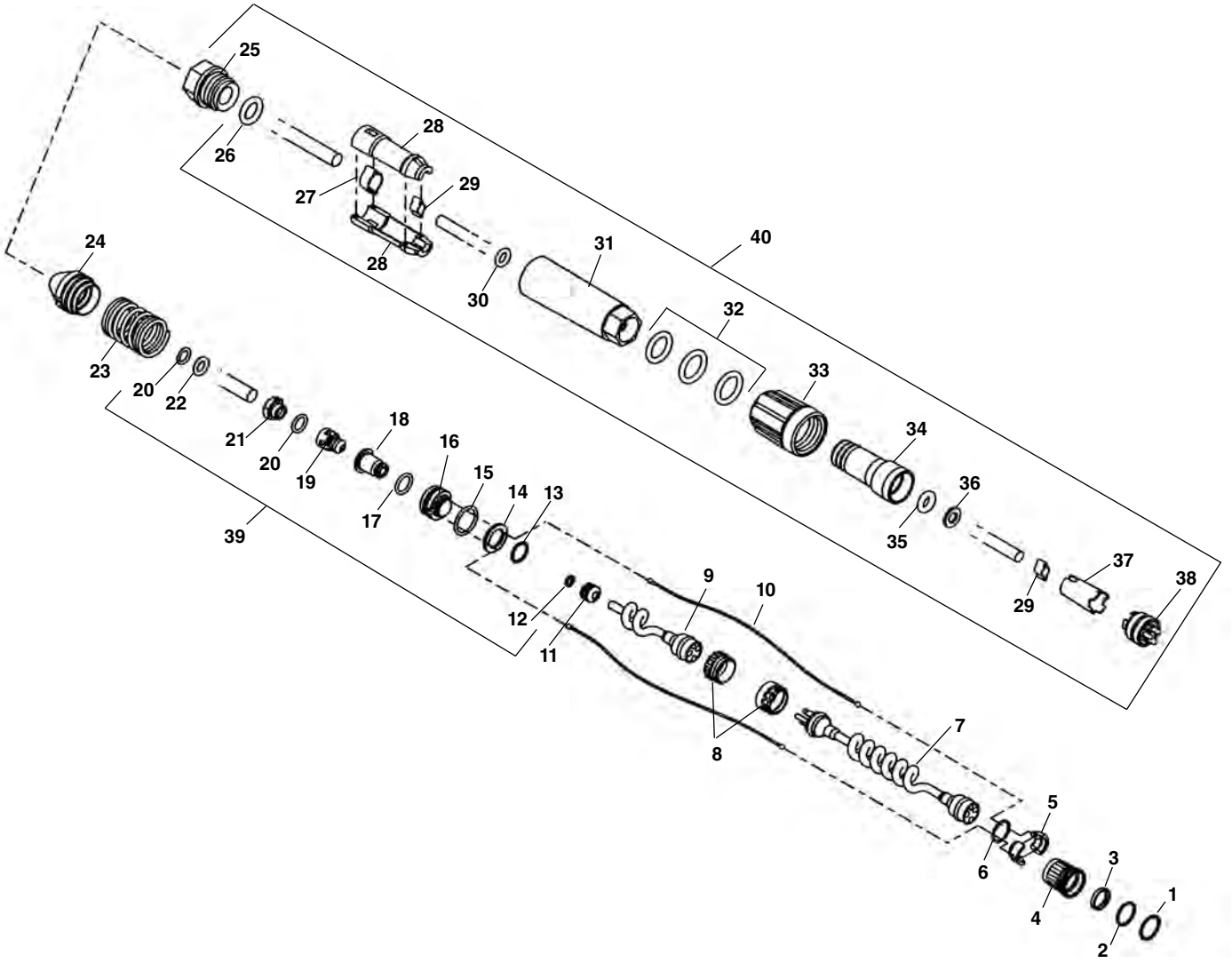


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	20273	Locking Sleeve
2	20288	Connector
3	20283	Connector W/Slot
4	20278	Retaining Ring
5	18823	Safety Cable
6	18818	Cord Asm.
7	71287	Compression Nut
8	21928	Standard Compression Bushing
9	21958	Spring Sleeve Cap
10	71482	O-Ring
11	71487	O-Ring
12	71502	Wire Sleeve
13	71507	Push Bond
14	71512	O-Ring (2)
15	71282	Push Nut
16	71517	O-Ring (2)
17	14823	Spring Assembly
18	71302	Rear Spring Shell
19	71657	Push Rod End Nut

Ref. No.	Catalog No.	Description
20	71677	O-Ring
21	71667	Clamp
22	71652	Inner Clam Shell (2)
23	71607	Clamp (2)
24	71672	O-Ring
25	71662	Main Shell
26	71582	O-Ring (3)
27	71602	Locking Sleeve
28	71592	In Line Shell
29	71577	O-Ring
30	71587	Washer
31	71597	Internal Back Shell
32	71612	Male Insert Assembly
33	62032	Wet End Retermination Kit
34	66802	Dry End Reterm Kit (Includes Ref. Nos. 26-32)
	21923	Inline Locking Sleeve (Not Shown)

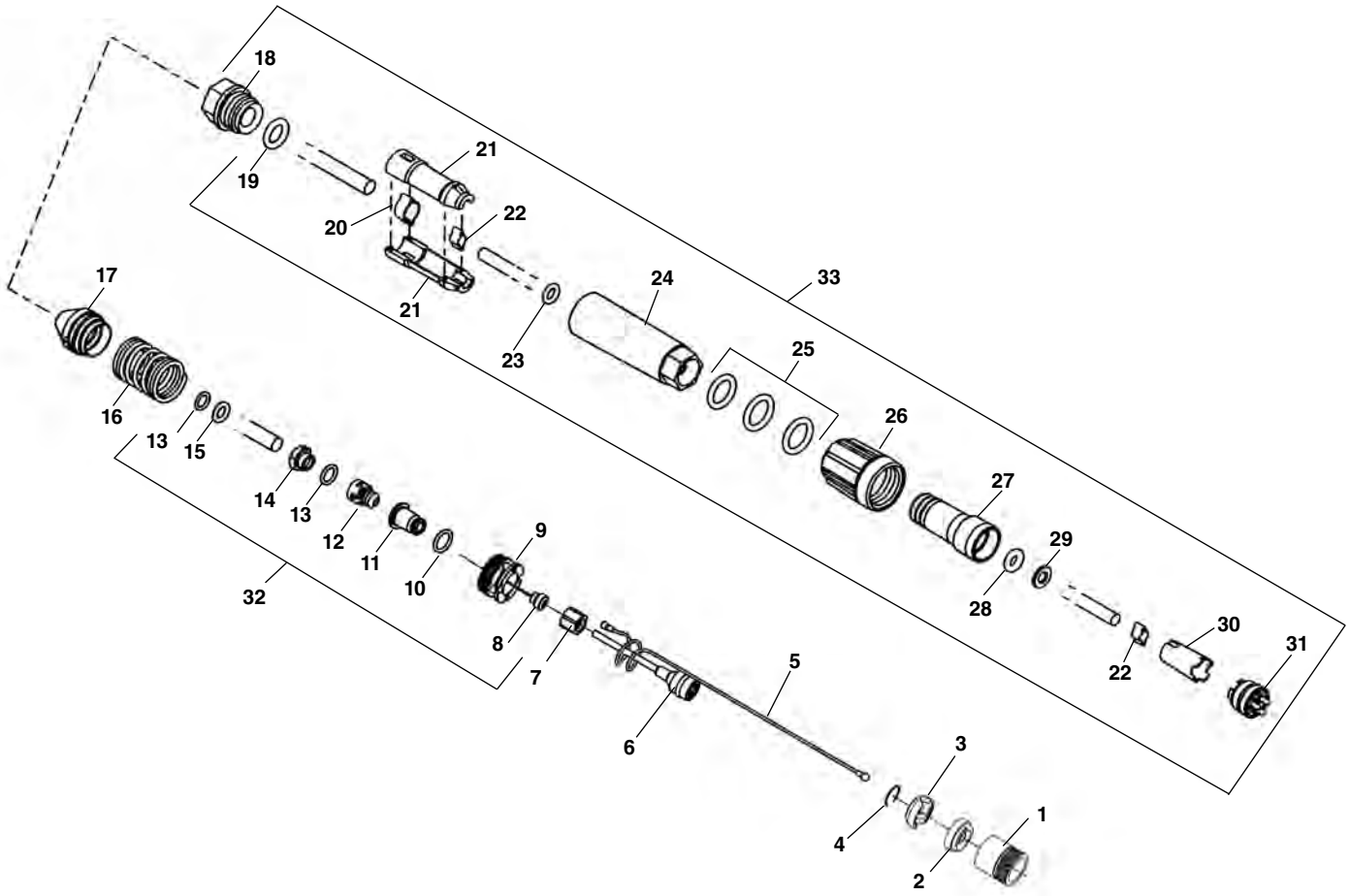
Mini Push Cable



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

Ref. No.	Catalog No.	Description
1	71012	Retaining Ring
2	71007	Locking Sleeve Front Washer
3	71017	Locking Sleeve Rear Washer
4	71022	Conn. Locking Sleeve
5	71027	Conn. Split Insert
6	71002	Retaining Ring
7	70982	Mini Coil Cord Assembly
8	84502	Locking Sleeves (Set of 4)
9	70987	Short Coil Cord Assembly
10	70992	Safety Cable - Mini (2)
11	71067	Compression Nut - Mini
12	21908	Mini Compression Bushing
13	71237	Retaining Ring
14	71062	Cable Retainer - Mini
15	71242	O-Ring
16	71057	Spring Cap
17	71232	O-Ring
18	71052	Wire Sleeve - Mini
19	71217	Mini Push Bond
20	71222	O-Ring (2)
21	70997	Mini Push Nut
22	71227	O-Ring
23	70037	Spring Assembly - Mini
	14973	Spring Assembly - Mini Color
24	71047	Rear Spring Shell
25	71657	Push Rod End Nut
26	71677	O-Ring
27	71667	Clamp
28	71652	Inner Clam Shell (2)
29	71607	Clamp (2)
30	71672	O-Ring
31	71662	Main Shell
32	71582	O-Ring (3)
33	71602	Locking Sleeve
34	71592	In Line Shell
35	71577	O-Ring
36	71587	O-Ring
37	71597	Internal Back Shell
38	71612	Male Insert Assembly
39	71212	Mini Retermination Kit
	15808	Mini Red Cable Retermination Kit
40	66802	Dry End Retermination Kit

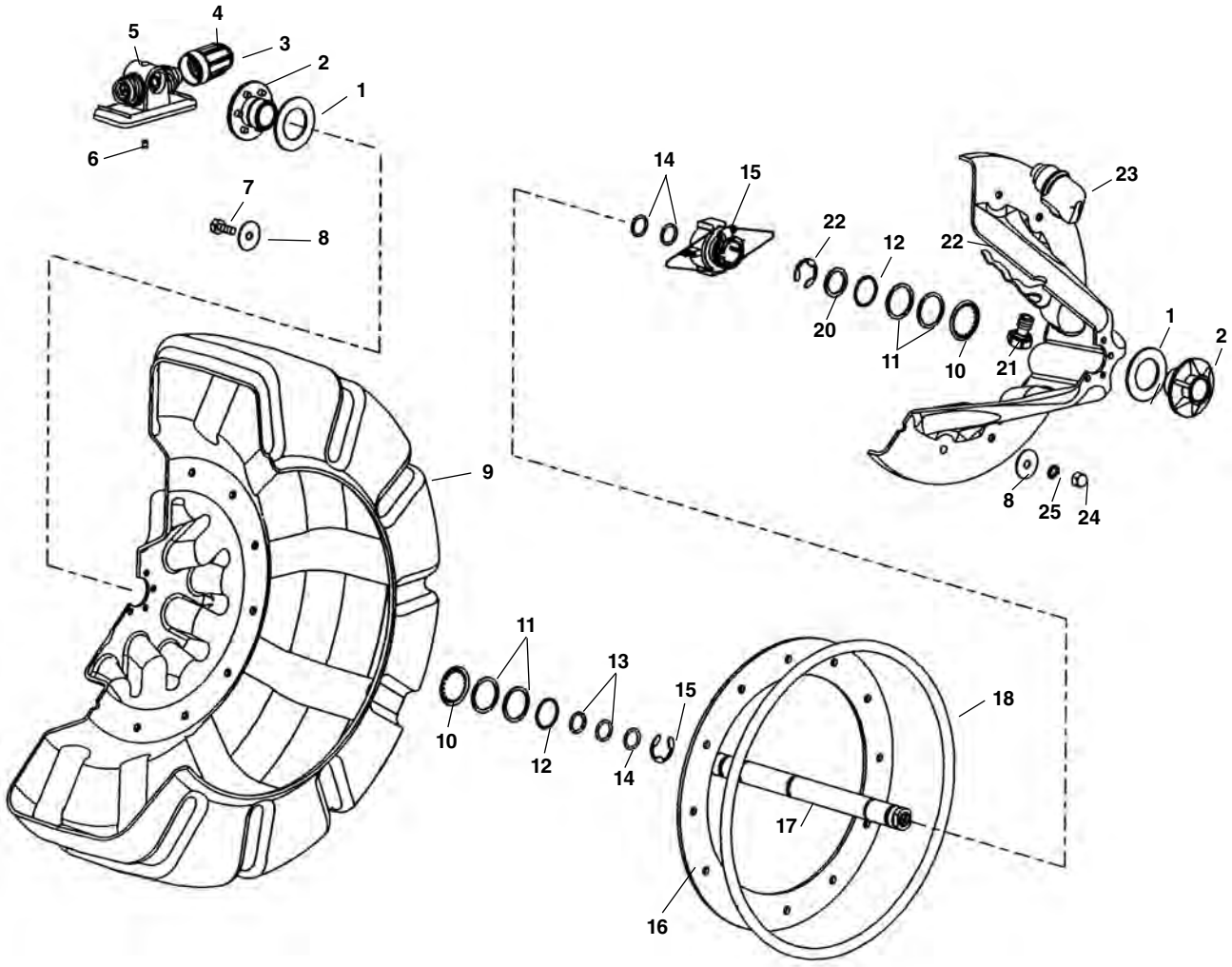
Mini Push Cable – Single Safety Cable



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

Ref. No.	Catalog No.	Description
1	20273	Locking Sleeve
2	20288	Connector
3	20283	Connector W/Slot
4	20278	Retaining Ring
5	18823	Safety Cable
6	18818	Cord Asm
7	71067	Compression Nut (Mini Cable)
8	21908	Mini Compression Bushing
9	21913	Spring Sleeve Cap (Mini Cable)
10	71232	O-Ring
11	71052	Wire Sleeve - Mini
12	24258	Mini Push Bond
13	71222	O-Ring (2)
14	70997	Mini Push Nut
15	71227	O-Ring
16	22728	Spring Assembly - Mini B&W
	22733	Spring Assembly - Mini Color
17	71047	Rear Spring Shell
18	71657	Push Rod End Nut
19	71677	O-Ring
20	71667	Clamp
21	71652	Inner Clam Shell (2)
22	71607	Clamp (2)
23	71672	O-Ring
24	71662	Main Shell
25	71582	O-Ring (3)
26	71602	Locking Sleeve
27	71592	In Line Shell
28	71577	O-Ring
29	71587	O-Ring
30	71597	Internal Back Shell
31	71612	Male Insert Assembly
32	15808	Mini Red Cable Retermination Kit
33	66802	Dry End Retermination Kit
	21923	Inline Locking Sleeve (Not Shown)

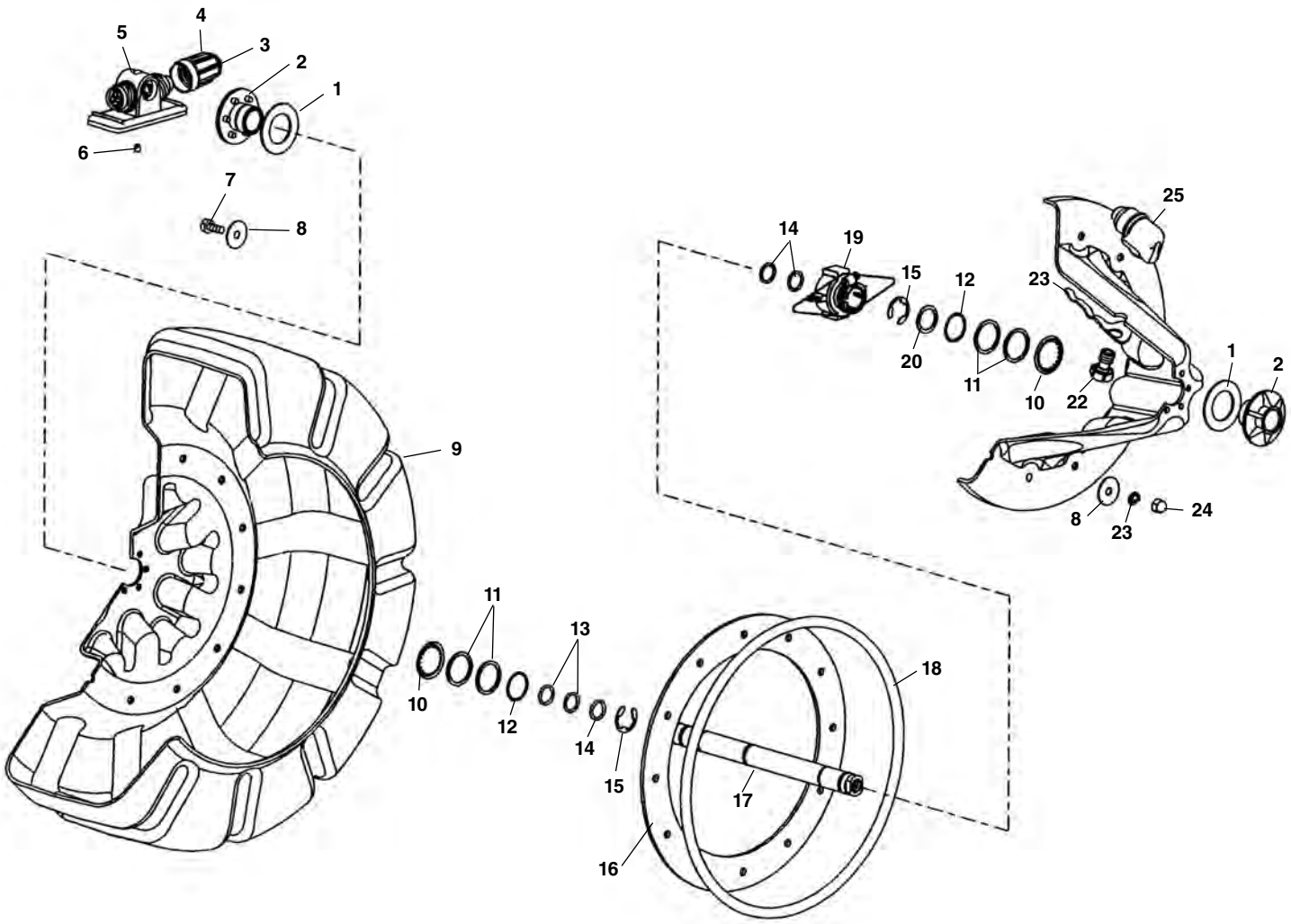
Regular Reel Assembly



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

Ref. No.	Catalog No.	Description
1	71557	Axle Gasket (2)
2	71552	Axle Bushing (2)
3	71202	Dust Cover for Locking Sleeve
4	71172	Locking Sleeve
5	71167	Hub Assembly
6	71162	Screw
7	71572	Screw (12)
8	71192	Washer (24)
9	71987	Reel Assembly
10	71087	Retaining Ring (2)
11	71092	Nylon Washer (4)
12	71097	Retaining Ring (2)
13	71132	O-Ring (2)
14	71127	O-Ring (3)
15	71102	Retaining Ring (2)
16	71542	Gasket Reg. System
17	71567	Reel Axle
18	71547	Cone O-Ring
19	71537	Slip Ring Assembly
20	68267	Nylon Washer
21	71107	Bolt RA Welded Bulkhead
22	71117	Wire Clip
23	71112	Bulkhead Assembly
24	71182	Nut (2)
25	71187	Lock Washer (12)
	36148	CountPlus Magnet and Carrier (Not Shown)
	38068	Count Plus Gasket (Not Shown)

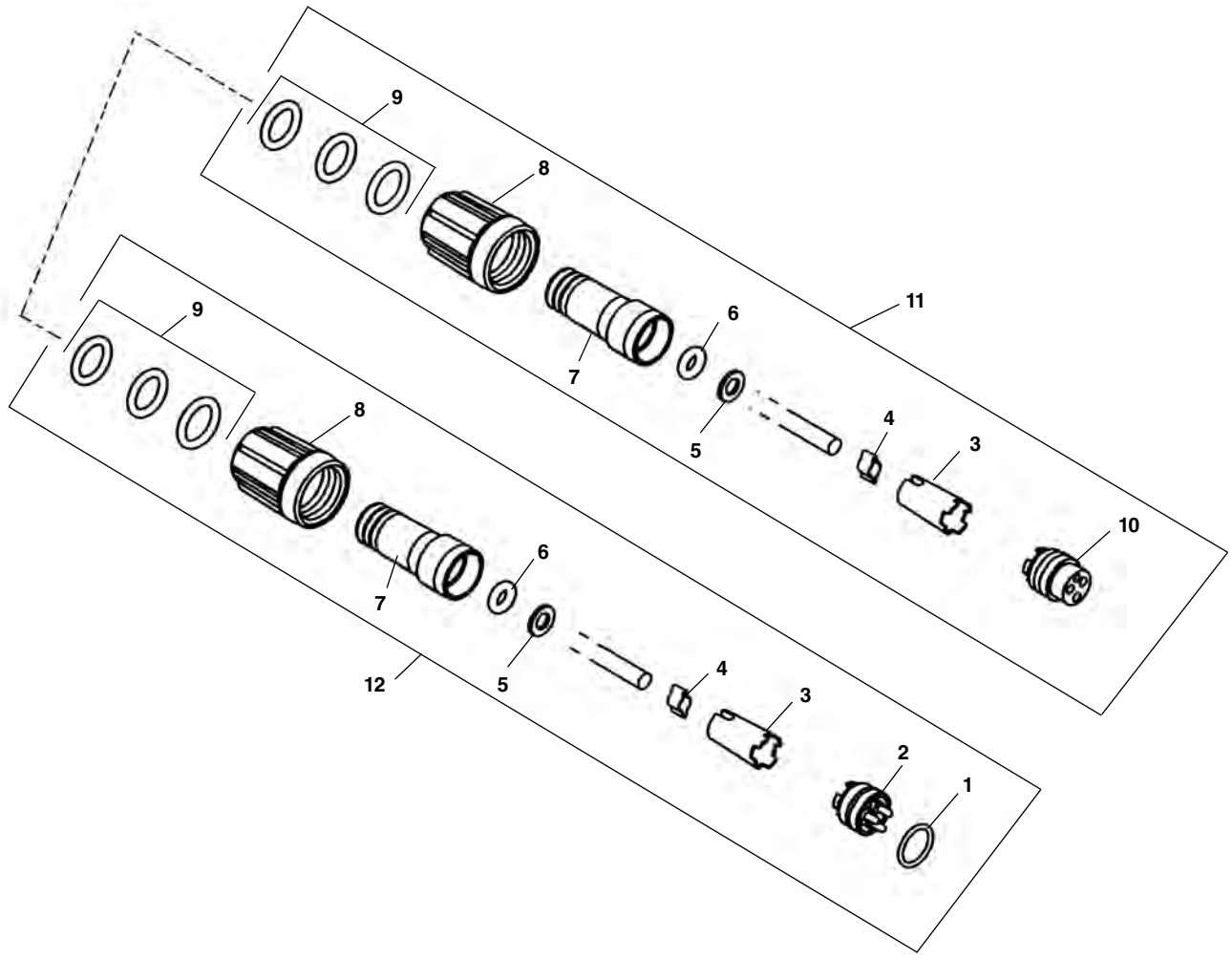
Mini Reel Assembly



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	71557	Axle Gasket (2)	15	71102	Retaining Ring (2)
2	71552	Axle Bushing (2)	16	71142	Gasket
3	71202	Dust Cover for Locking Sleeve	17	71082	Reel Axle
4	71172	Locking Sleeve	18	71147	Cone O-Ring
5	71167	Hub Assembly	19	71537	Slip Ring
6	71162	Set Screw	20	71092	Nylon Washer
7	71152	Screw (12)	21	71117	Wire Clip
8	71192	Washer (24)	22	71107	Bolt RA Welded Bulkhead
9	71177	Reel Assembly	23	71187	Washer (12)
10	71087	Retaining Ring (2)	24	71182	Nut (12)
11	71092	Nylon Washer (4)	25	71112	Bulkhead Assembly
12	71097	Retaining Ring (2)		36148	CountPlus Magnet and Carrier (Not Shown)
13	71132	O-Ring (2)			
14	71127	O-Ring (3)		38068	Count Plus Gasket (Not Shown)

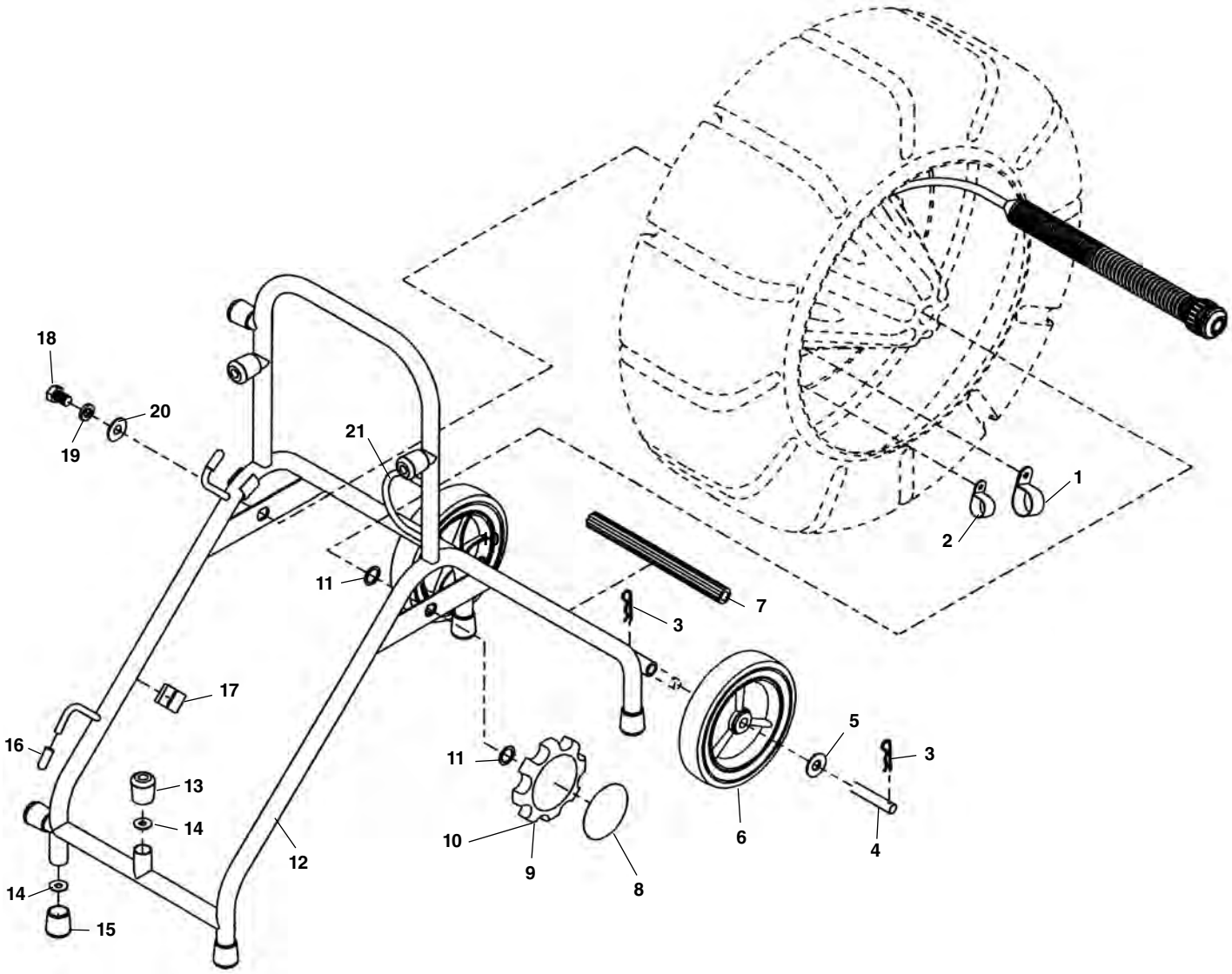
Interconnect Cord



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

Ref. No.	Catalog No.	Description
—	64627	Interconnect Cord 33'
—	67307	Interconnect Cord 10'
—	70907	Old Style Interconnect Cord 33'
1	71487	O-Ring
2	71612	Male Insert
3	71597	Internal Back Shell (2)
4	71607	Clamp (2)
5	71587	Washer (2)
6	71577	O-Ring (2)
7	71592	In line Shell (2)
8	71602	Locking Sleeve (2)
9	71582	O-Rings (6)
10	71617	Female Insert
11	72817	Female Connector Assembly
12	72822	Male Connector Assembly

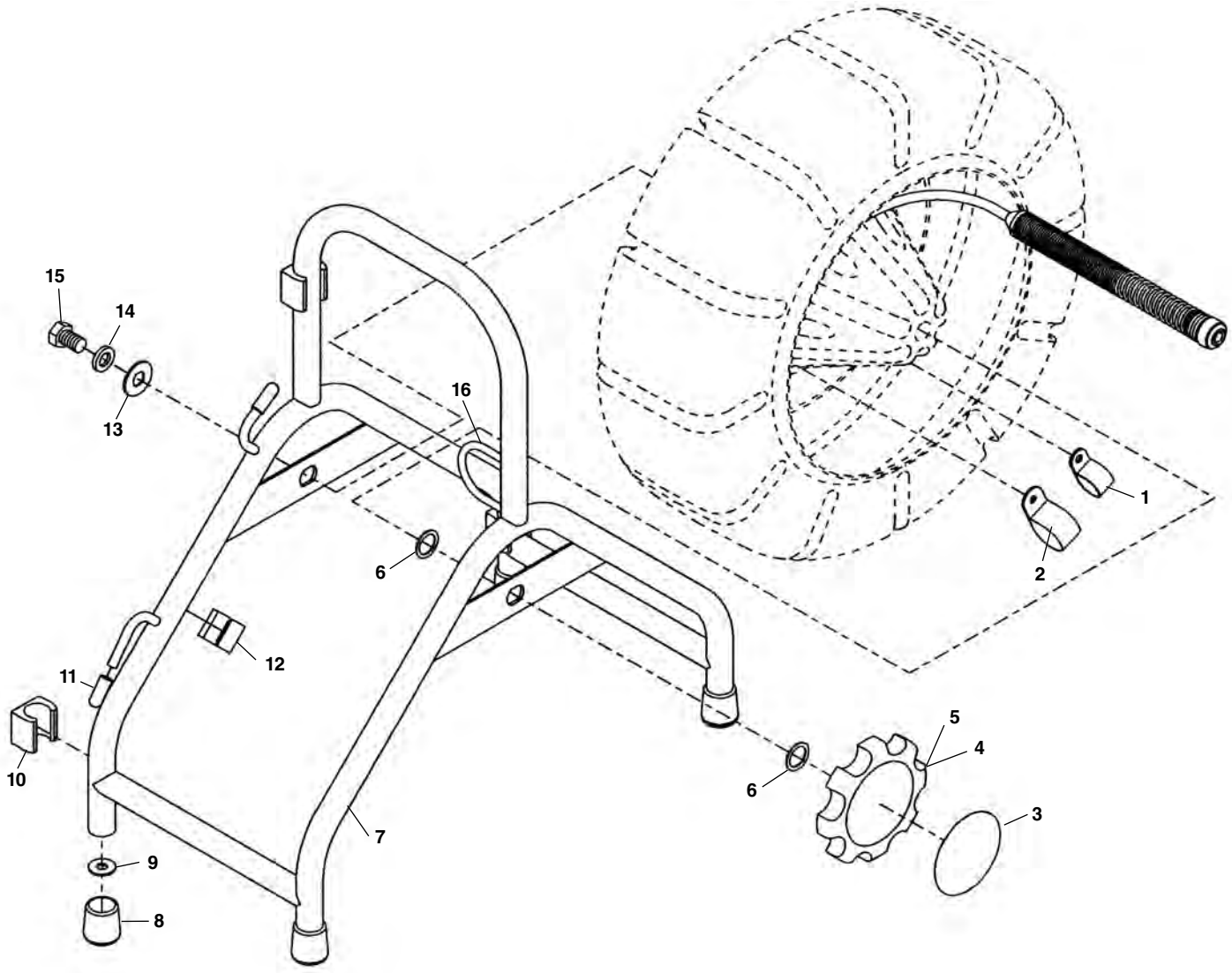
Regular Frame Assembly



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

Ref. No.	Catalog No.	Description
1	71262	1/2" Dry Clamp
2	71267	7/8" Dry Clamp
3	68257	Axle Pin
4	68247	Axle
5	72527	Steel Washer
6	68242	Wheel for SeeSnake (2)
7	68252	Axle Spacer
8	71207	Decal for Tension Knob
9	68262	Tension Knob
10	72517	Bolt for Tension Knob
11	68267	Nylon Washer (2)
12	66797	Frame
13	72542	Rubber Cap (3)
14	72537	Back Up Washer (7)
15	70042	Rubber Foot (7)
16	72562	End Cap (2)
17	72532	Wire Clip (2)
18	72547	Rear Mount Bolt
19	72522	Lock Washer
20	72527	Flat Washer
21	93387	Guide Loop

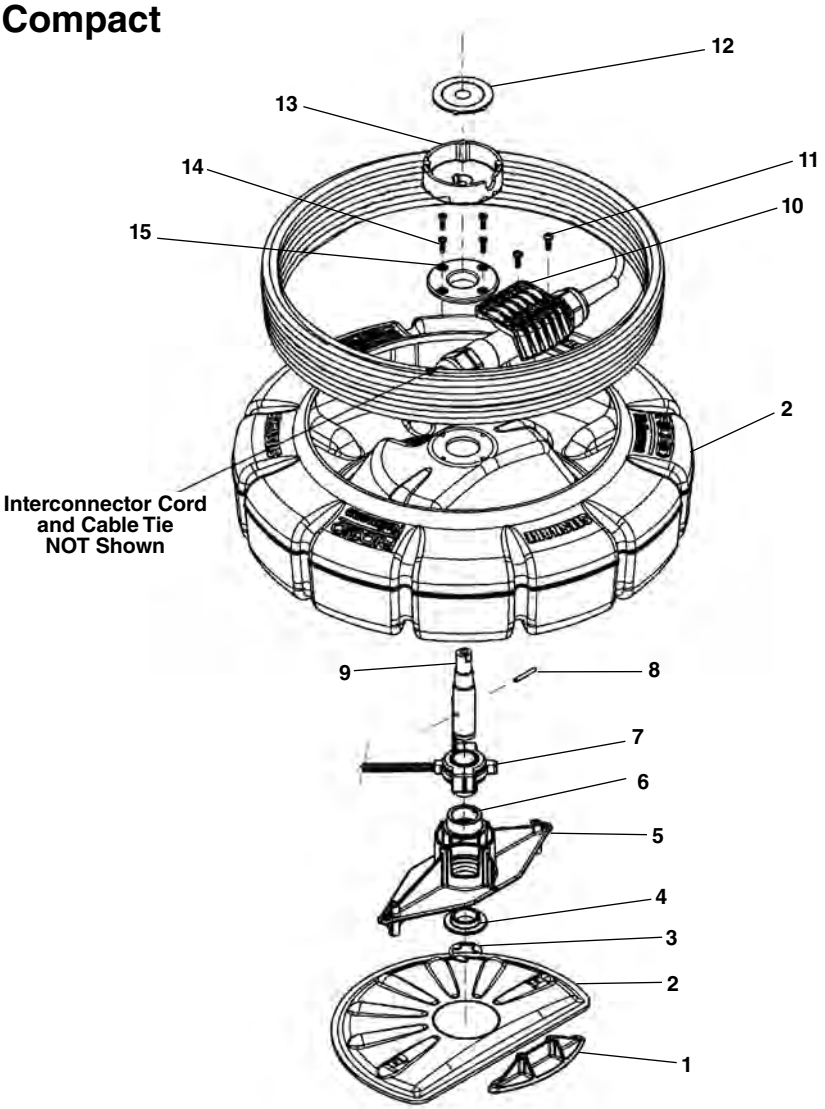
Mini Frame Assembly



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	71262	1/2" Dry Clamp	9	72537	Back Up Washer (4)
2	71267	7/8" Dry Clamp	10	72557	Frame Bumper (3)
3	71207	Decal for Tension Knob	11	52928	Rubber End Cap (2)
4	68262	Tension Knob	12	72532	Wire Clip
5	72517	Bolt for Tension Knob	13	72527	Steel Washer
6	68267	Nylon Washer (2)	14	72522	Lock Washer
7	71647	Frame - Mini	15	72547	Rear Mount Bolt
8	70042	Rubber Foot (4)	16	93392	Guide Loop

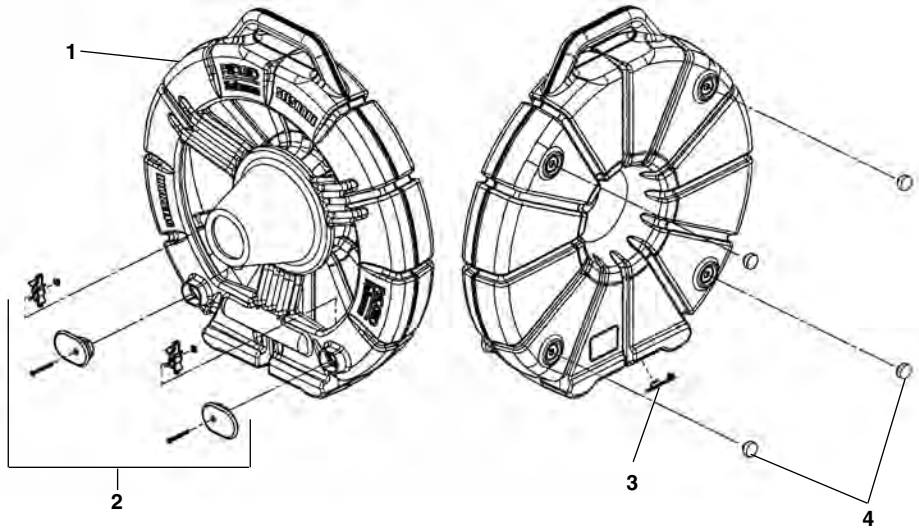
Compact



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

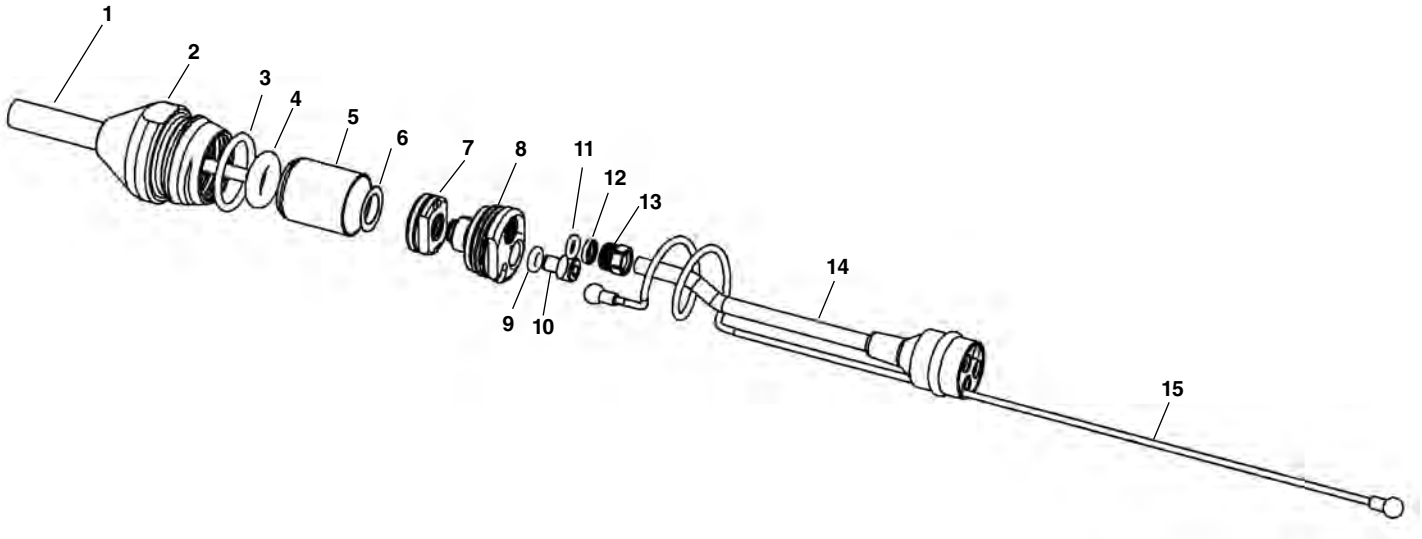
Ref. No.	Catalog No.	Description
1	97162	Tube Mount Base
2	97107	Compact Drum
3	97147	Retaining Ring
4	97127	Bottom Axle Radial Bushing
5	97117	Bottom Hub
6	97122	Bottom Axle Thrust Bush
7	97142	Slip Ring Assembly
	22548	Counting Slip Ring
8	97152	1/8" x 1" Dowel Pin
9	97112	Frame Axle
10	97157	Tube Mount
11	97172	#8 x 1/2" Screw (2)
12	97167	Axle Support
13	97137	Top Axle Bushing
14	97177	#6 x 1/2" Screw
15	97132	Top Hub

FlatPack



Ref. No.	Catalog No.	Description
1	97182	FlatPack Drum
2	97627	Cord Wrap Asm (COLOR)
	97197	Cord Wrap Asm (B&W)
3	97207	Drain Plug
4	14008	Rubber Feet (4)
Not Shown		
	97202	Label Set (B&W)
	97632	Label Set (COLOR)

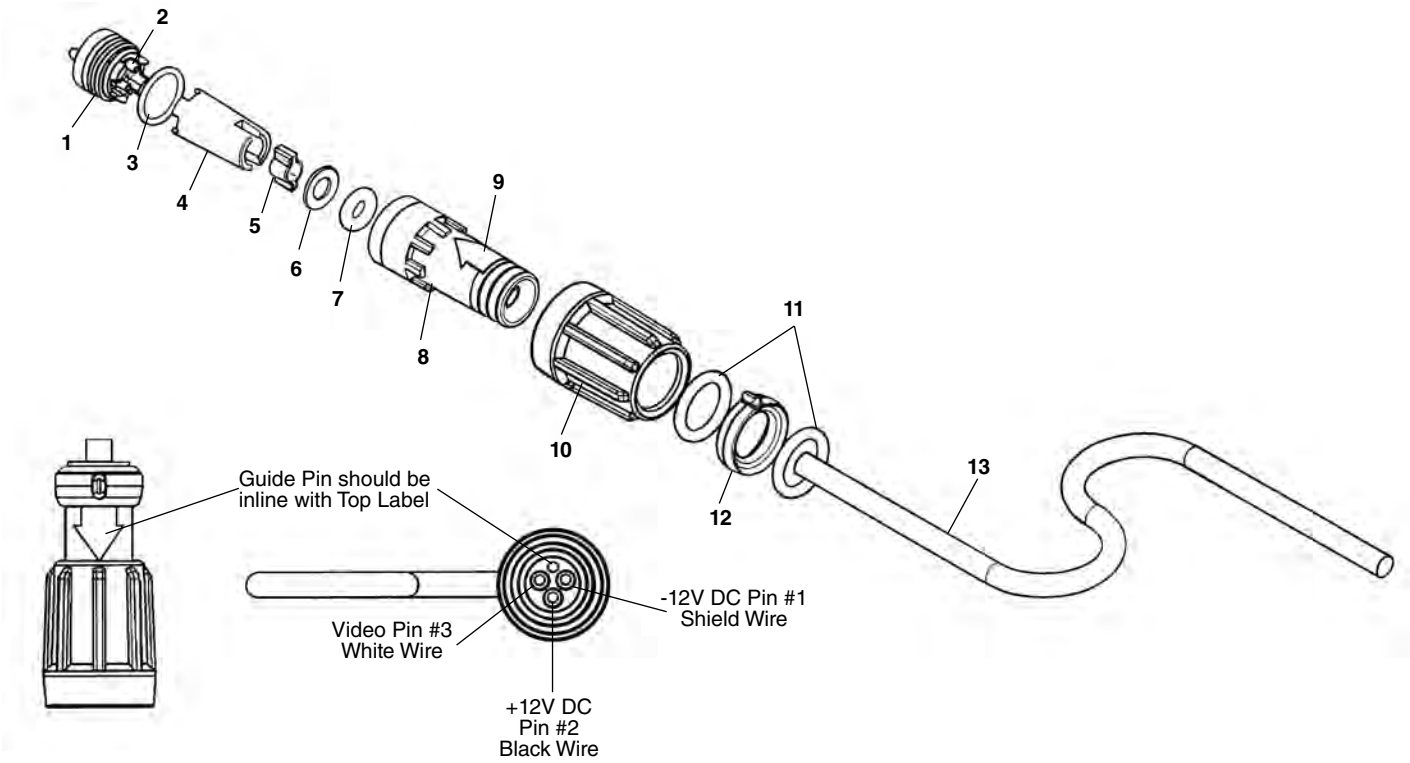
Compact/FlatPack SeeSnake Wet End Termination: Exploded View



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

Ref. No.	Catalog No.	Description
1	18758	Raw Push Cable
2	18763	Spring Shell
3	18768	O-Ring
4	18773	O-Ring
5	18778	O-Ring Cap
6	18793	Spring Washer
7	18783	Push Nut
8	18788	Termination Plug
9	18828	O-Ring
10	18803	Screw
11	18798	O-Ring
12	18808	Back Up Ring
13	18813	Seal Screw
14	18818	Cord Assembly
15	18823	Safety Cable
	18733	Retermination Kit Includes Ref. Nos 3,4,7,8,9,11,12
Items Not Shown		
	20263	Color Compact Spring Assembly
	20268	B&W Compact Spring Assembly
	20273	Locking Sleeve
	20278	Retaining Ring
	20283	Connector w/Ball Hole
	20288	Connector Minus Ball Hole

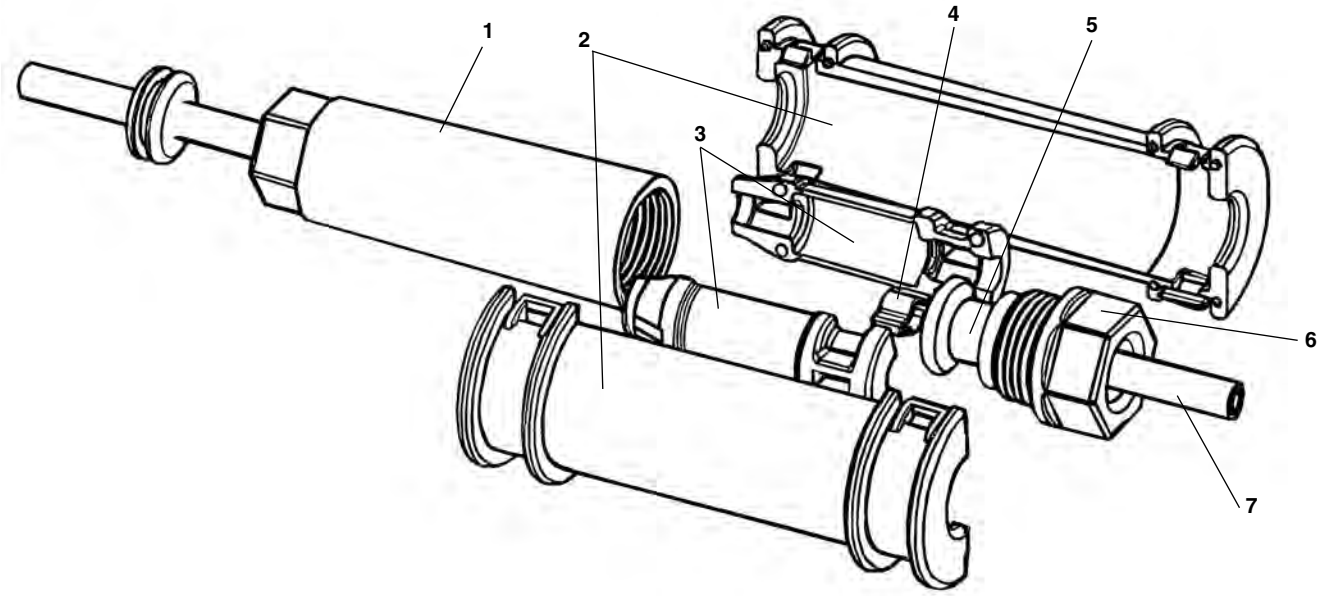
FlatPack SeeSnake Dry End Termination/Interconnect Cord: Male End



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

Ref. No.	Catalog No.	Description
1	71612	Male Insert
2	18863	Shrink Tube
3	18868	O-Ring
4	71597	Internal Shell
5	71607	Clamp
6	18873	Washer
7	18773	O-Ring
8	71592	InlIne Shell
9	18878	Top Label
10	71602	Locking Sleeve
11	18883	O-Ring (2)
12	18888	Index Band
13	18893	Raw Cable

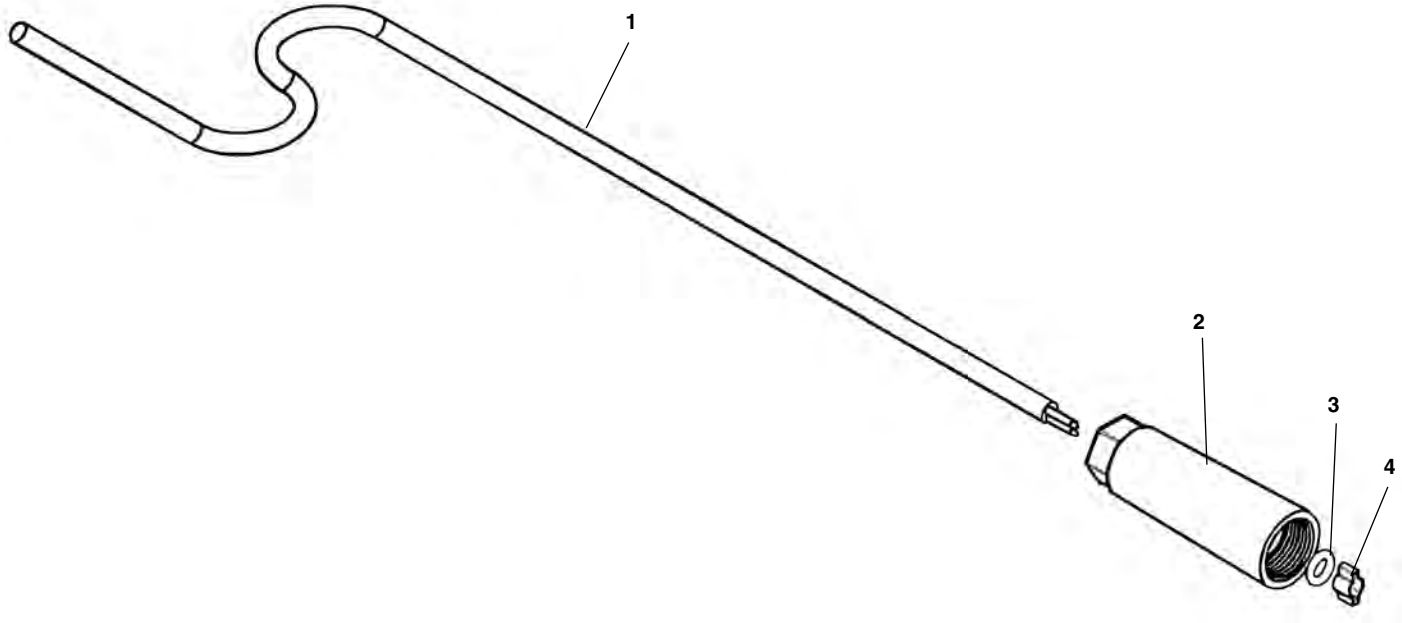
Compact/FlatPack SeeSnake Dry End Termination: Exploded View



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

Ref. No.	Catalog No.	Description
1	18833	Compact Whip Assembly
	18838	FlatPack Cord Assembly
2	18843	Adapter
3	18848	Compact Inner Clam Shell
4	71607	Clamp
5	18853	Seal
6	18858	End Nut
7	18758	Raw Push Cable

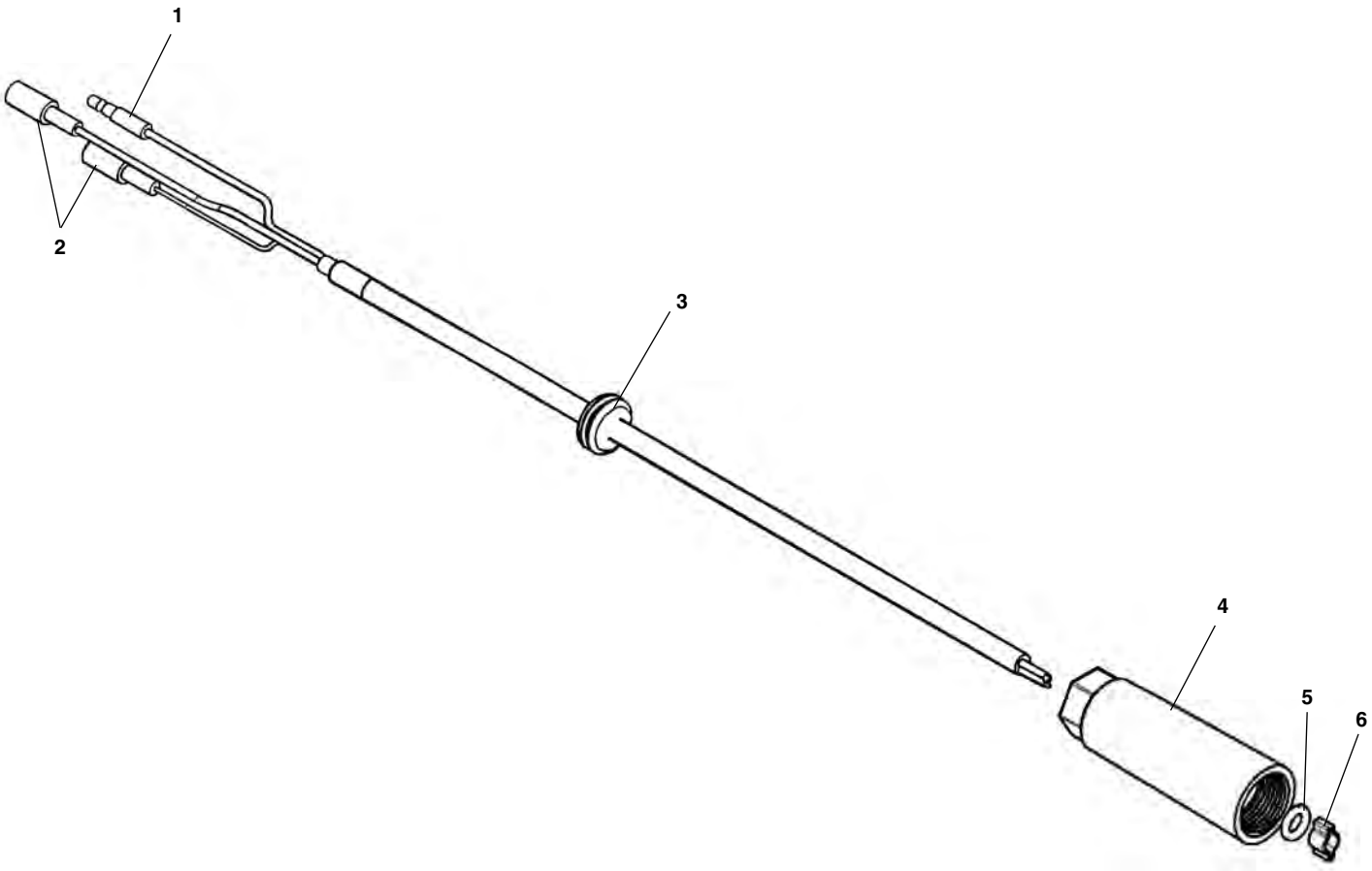
FlatPack SeeSnake Dry End Termination/Interconnect Cord: Termination End



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

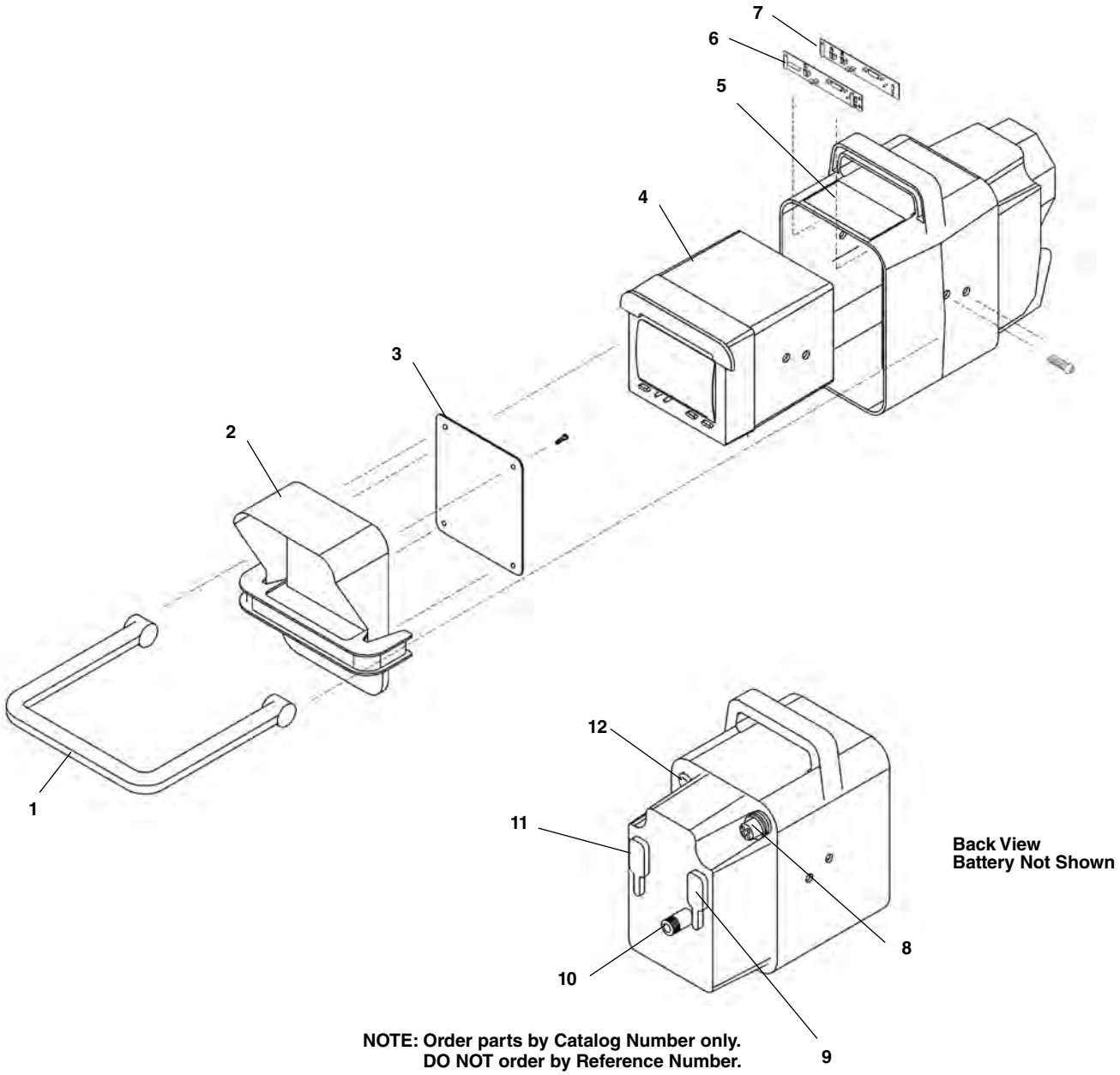
Ref. No.	Catalog No.	Description
1	18893	10 ft. Raw Cable
2	18898	Main Shell
3	18903	O-Ring
4	71607	Clamp

Compact SeeSnake Whip Assembly



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

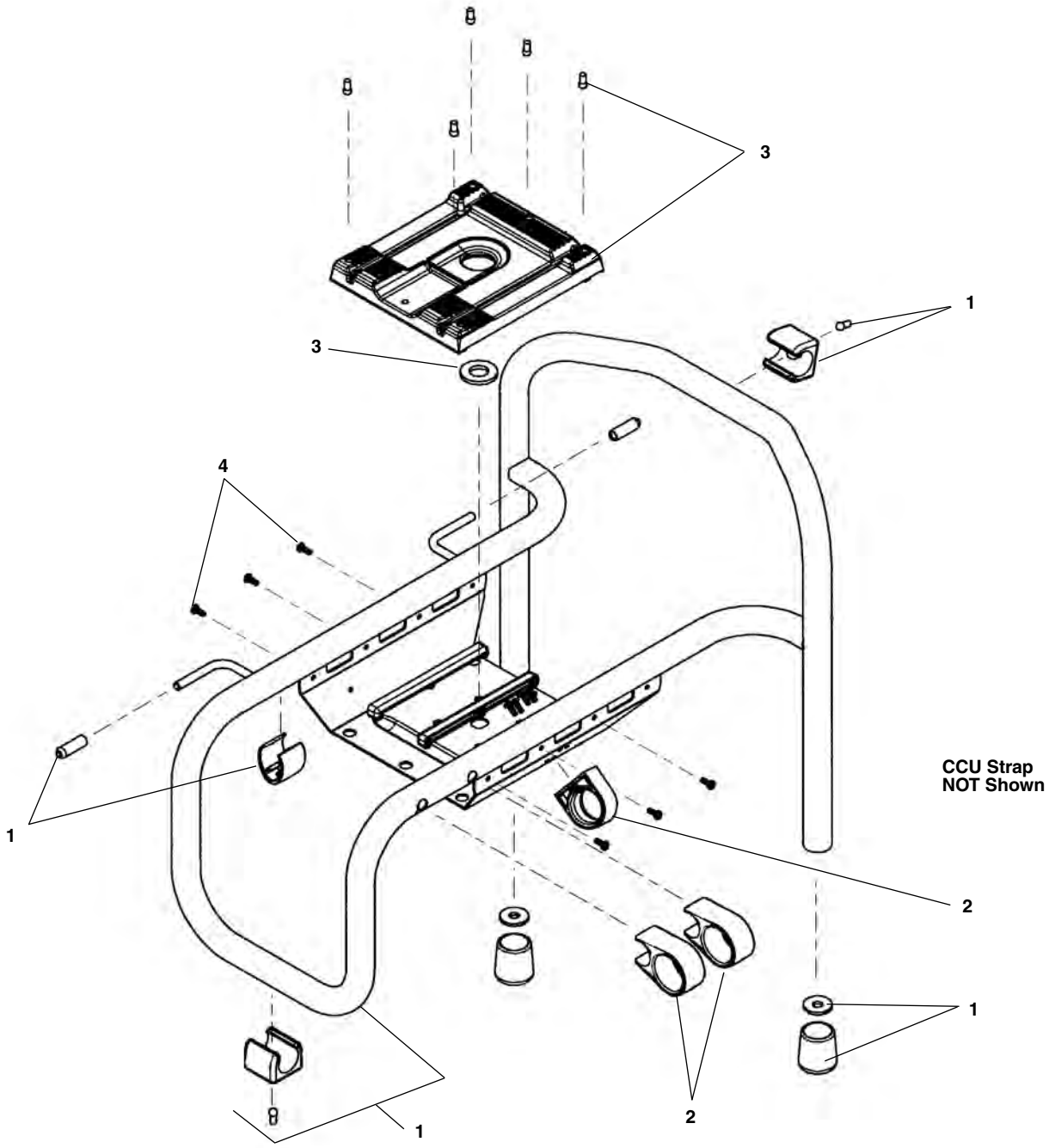
Ref. No.	Catalog No.	Description
1	18908	Male Bullet Connector
2	18913	Female Bullet Connector
3	18918	Grommet
4	18898	Main Shell
5	18903	O-Ring
6	71607	Clamp



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

Ref. No.	Catalog No.	Description
1	97667	Kickstand w/Handle Asm.
2	97657	Monitor Lid (B&W)
	97662	Monitor Lid (COLOR)
3	97672	Monitor Window Kit
4	97637	Monitor (B&W) EIA
	97642	Monitor (B&W) CCIR
	97647	Monitor (COLOR) NTSC
	97652	Monitor (COLOR) PAL
5	97677	Monitor Case (B&W)
	97682	Monitor Case (COLOR)
6	97707	Compact Power Board Asm
7	97712	Connector Board (Small Board)
8	77307	Bulkhead Connector
9	97697	Dust Cover (Black)
10	97717	Ground Post
11	97692	Dust Cover (Orange)
12	97702	Power Switch Asm
Items Not Shown		
	97722	Ground Post Cable
	83407	14.4V Battery
	95722	AC Adapter (115V)
	95727	AC Adapter (230V)

Frame

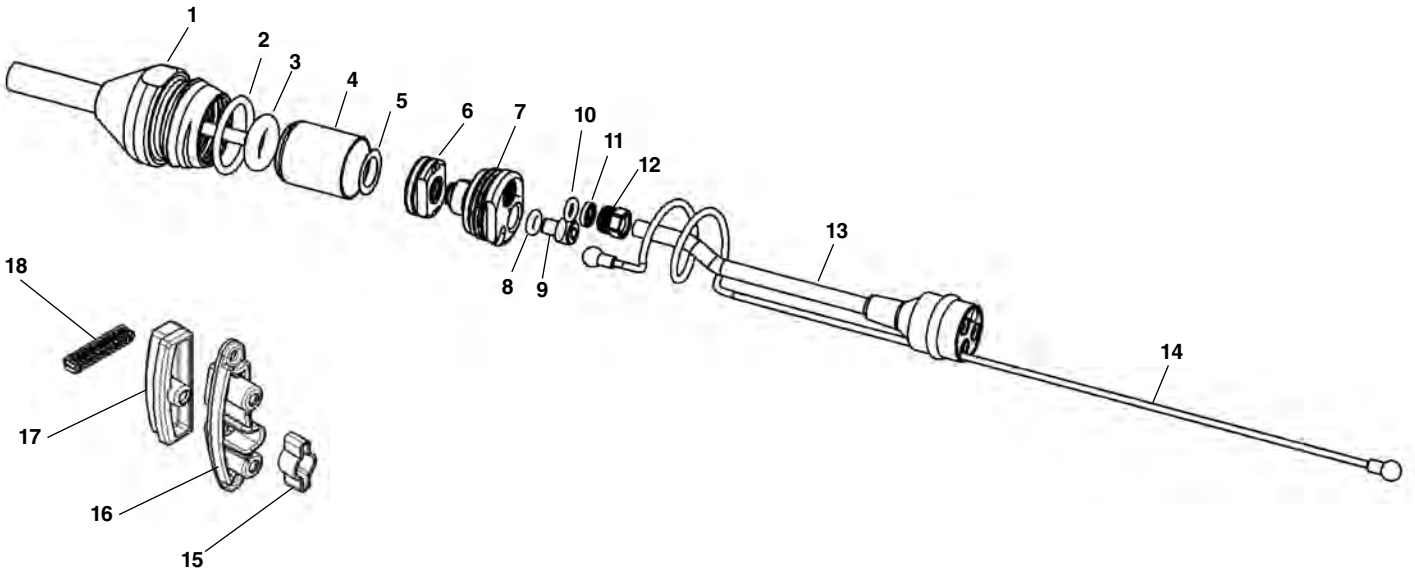


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	97062	Frame Assembly w/Feet
2	97072	Cable Guide Set
3	97067	Monitor Pad Assembly
4	97082	Monitor Strap Hardware Assy.
Item Not Shown		
	97077	Monitor Strap

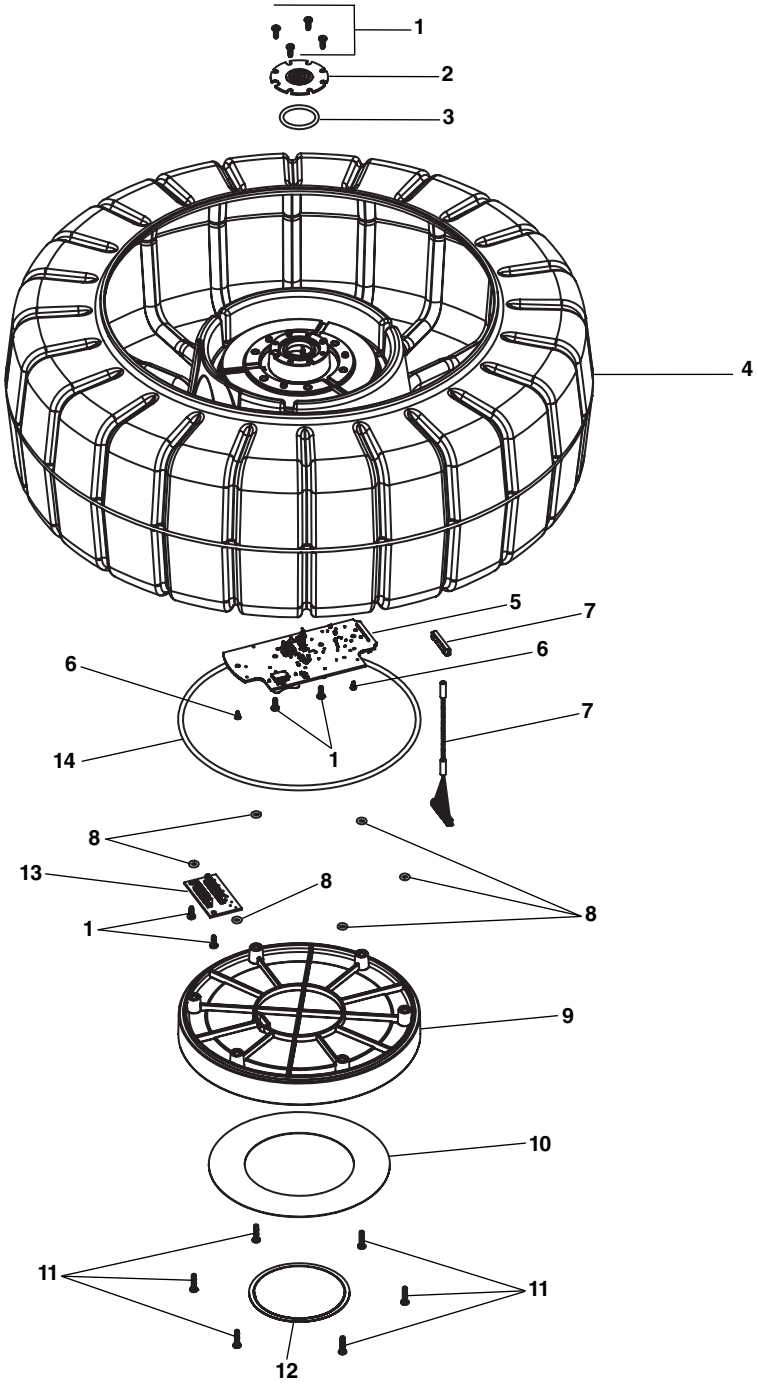
NOTE: All Monitors Include Labels

Push Cable Assembly



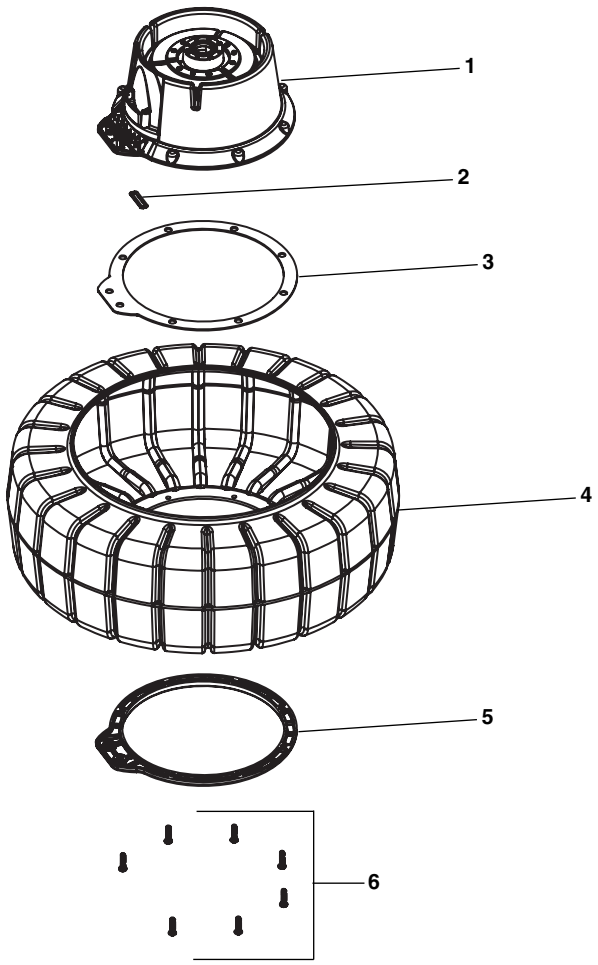
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
	49438	Push Cable Asm.
1	18763	Spring Shell
2	18768	O-Ring
3	18773	O-Ring
4	18778	O-Ring Cap
5	18793	Spring Washer
6	18783	Push Nut
7	18788	Termination Plug
8	18828	O-Ring
9	18803	Screw
10	18798	O-Ring
11	18808	Back Up Ring
12	18813	Seal Screw
13	18818	Coil Cord
14	18823	Safety Cable
15	71607	Clamp
16	35933	Sealing Clamp
17	35928	Wire Plug
18	36223	IDC Connector
	18733	Retermination Kit Incl. Ref Nos. 2,3,6,7,8,10,11,12
Items Not Shown		
	20268	Spring Assembly
	20273	Locking Sleeve
	20278	Retaining Ring
	20283	Connector W/Ball Slot
	20288	Connector Less/Ball Slot



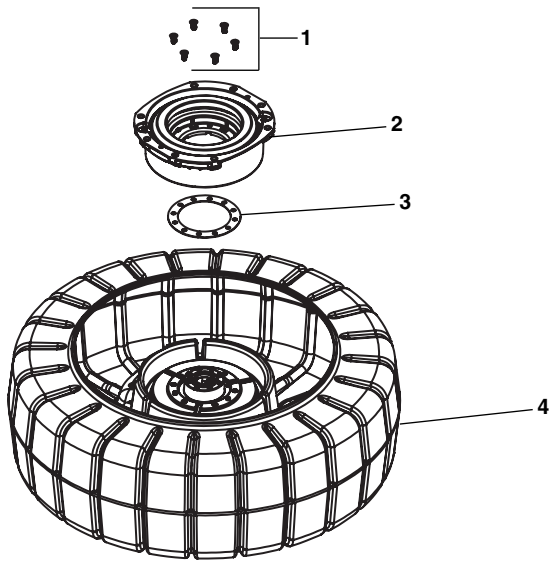
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	35548	Screw, #4-20 x 5⁄16" (8)
2	35598	Drum Side PCB
3	35613	O-Ring
4	52618	Drum Asm W/Hub Cone
5	35603	Hub PCB
6	53533	Screw, #2-28 x 3⁄16" (2)
7	52613	Audio PCB Cable
8	35608	O-Ring
9	52623	Hub Cover
10	52633	Label
11	24488	Screw, #4-40 x ½" (6)
12	37198	Keypad
13	52608	Audio PCB
14	52943	O-Ring

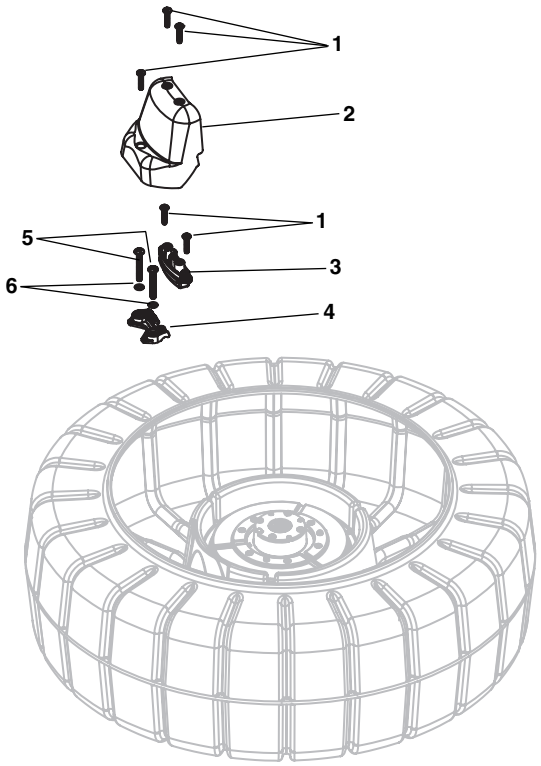


NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	52638	Hub Cone
2	35588	Connector Gasket
3	52653	Drum Gasket
4	52643	Drum Only
5	52648	Drum Flange
6	52948	Screw, #8-16 x ¾" (7)

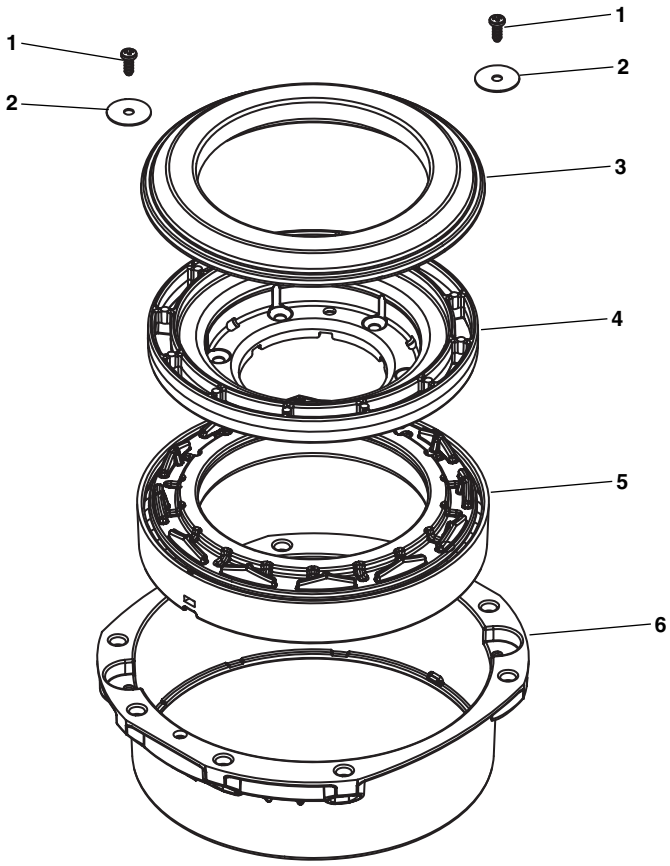


Ref. No.	Catalog No.	Description
1	52933	Screw, #8-32 x ⅜" (6)
2	52598	Bearing Asm.
3	52603	Hub Gasket
4	52618	Drum Asm.

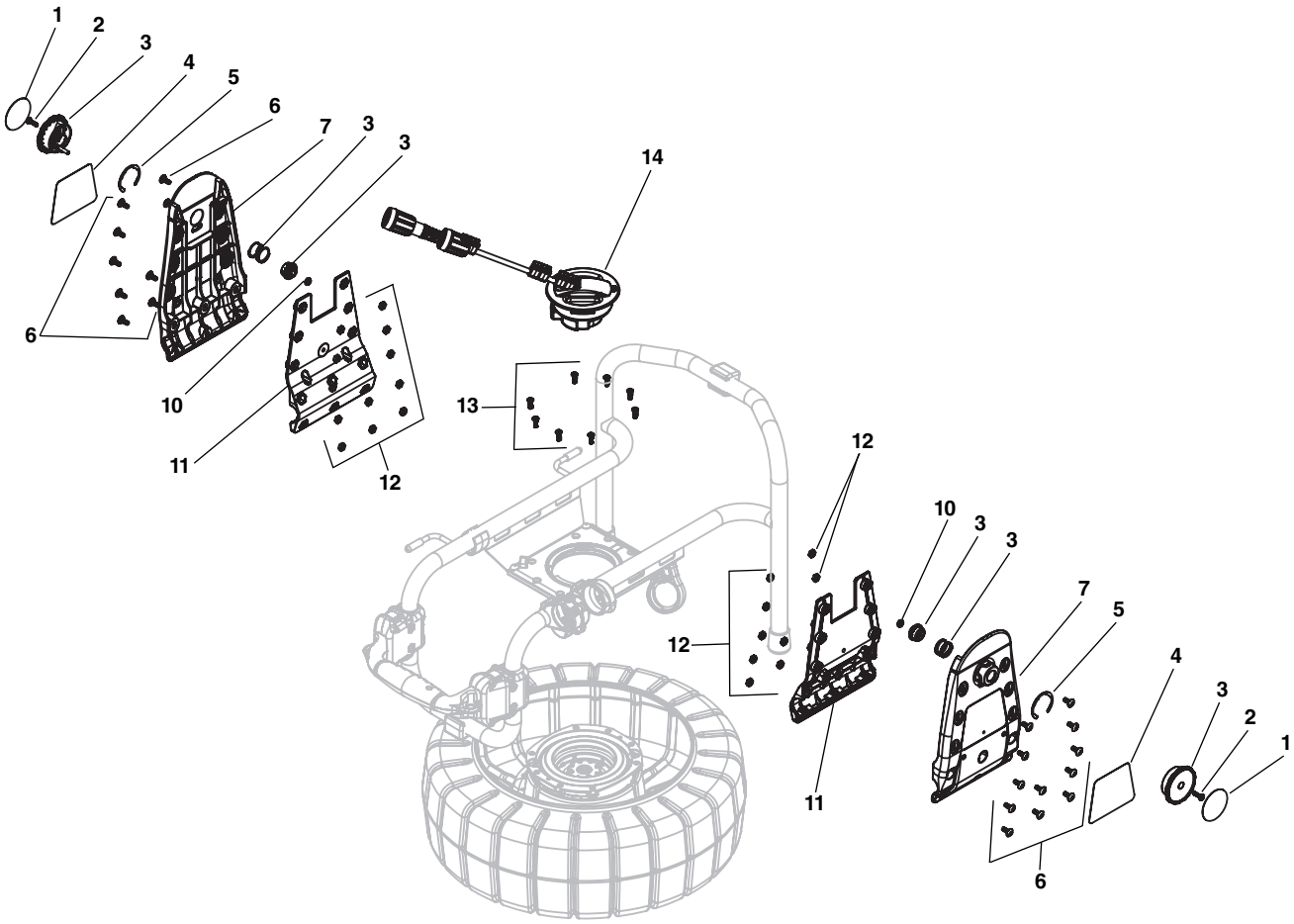


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	35663	Screw, #6 x ⅜" (5)
2	50848	Hub Shield
3	35933	Sealing Clamp
4	35658	Push Cable Retainer
5	50833	Screw, #8-32 x 1⅛" (2)
6	50838	Flat Washer (2)

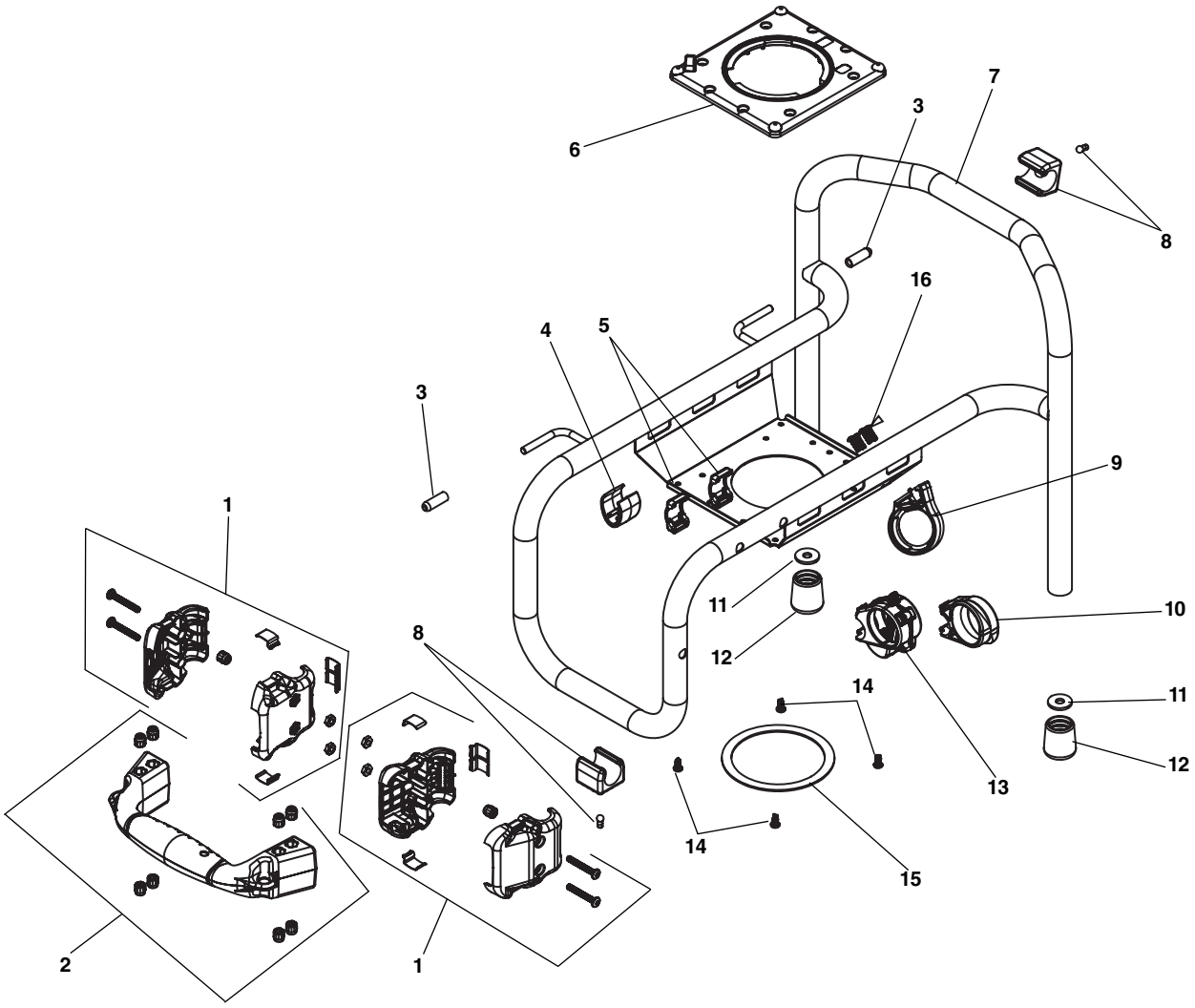


Ref. No.	Catalog No.	Description
1	35548	Screw, #4-20 x 5/16"
2	53528	Flat Washer (2)
3	43493	Front Bearing Asm.
4	53258	Bearing Spacer
5	47593	Back Bearing Asm.
6	53253	Bearing Housing



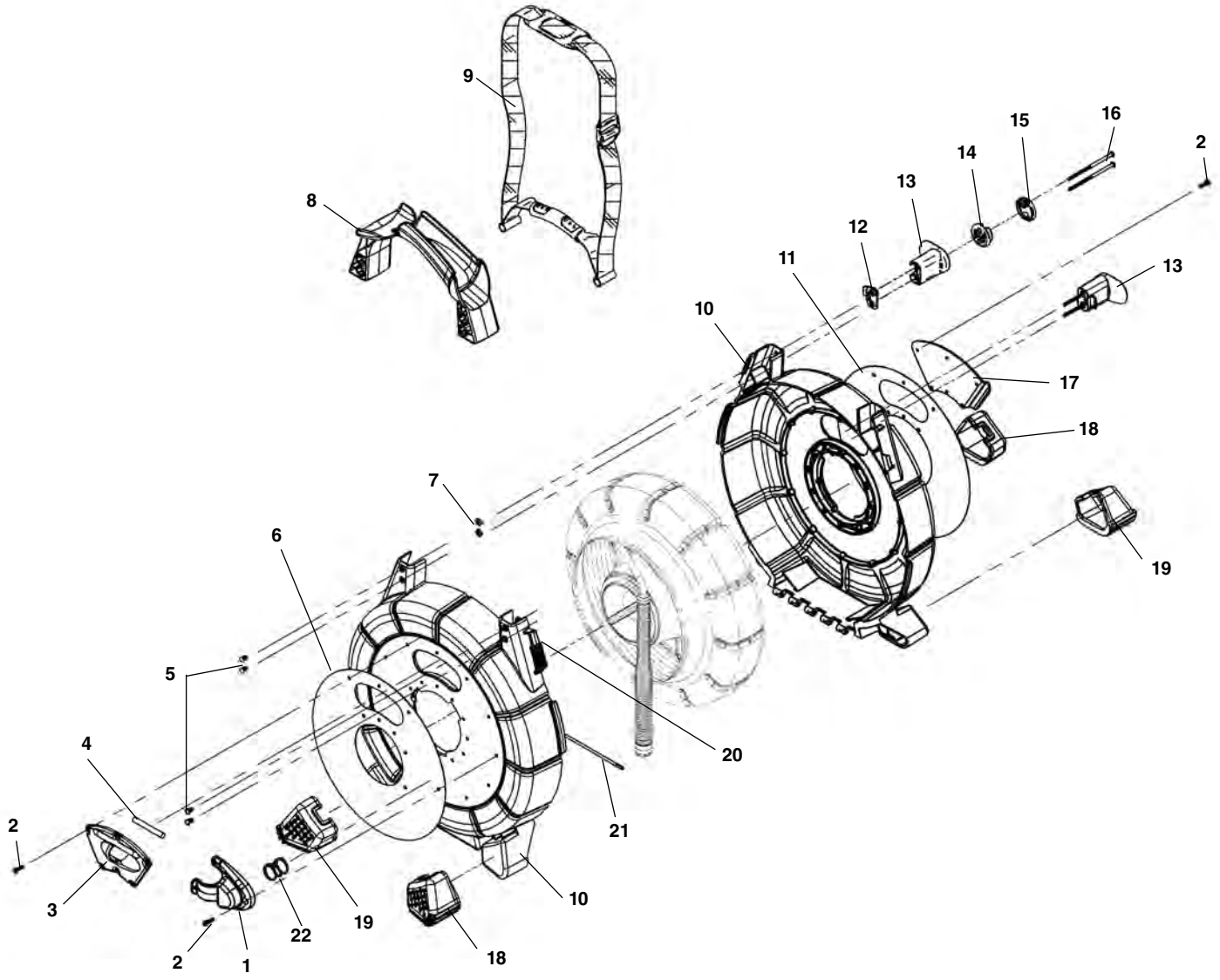
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	53263	Knob Label (2)
2	53513	Screw, #8-32 x 9/16" (2)
3	60788	Locking Knob Asm (Inc. Ref. #1, 2, 3, 5,10)
4	53268	Warning Label (2)
5	53538	Retaining Ring (2)
6	52923	Screw, #10-32 x ½" (24)
7	53218	Side Plate (2)
8	53508	Compression Spring (2)
9	53208	Spring Stop
10	35648	Hex Nut #8-32 (2)
11	53223	Backing Plate (2)
12	52918	Hex Nut #10-32 (24)
13	53523	Screw, #8-32 x ½" (8)
14	33108	Interconnect Cord Asm



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

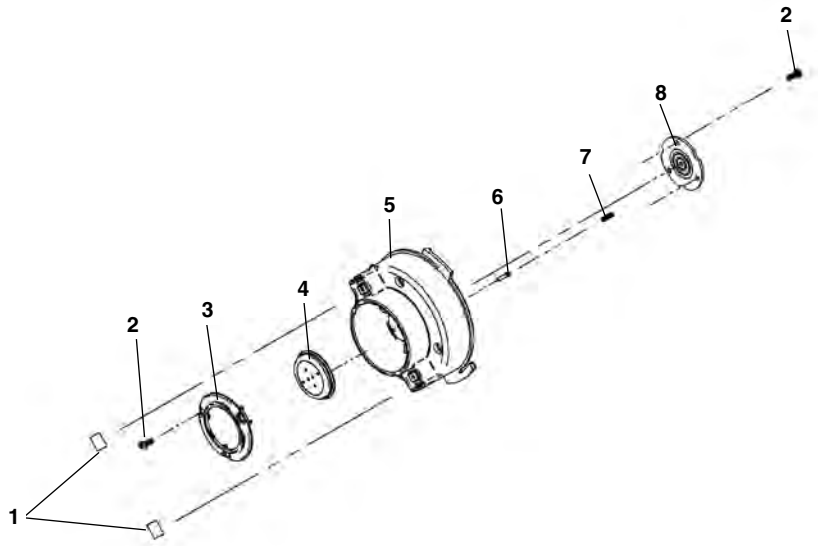
Ref. No.	Catalog No.	Description
1	53503	Handle Mounting Asm (2)
2	50218	Handle Asm.
3	52928	Rubber Tip (2)
4	72532	Wire Clip
5	53248	Front Cable Guide Retainer
6	53228	Slip Ring Mount
7	53498	Frame (incl ref no's 8, 11 & 12)
8	72557	Frame Bumper (2)
9	53243	Cable Guide Asm
10	53238	Mid Cable Guide
11	72537	Washer (2)
12	70042	Rubber Foot (2)
13	49218	Front Cable Guide
14	53203	Screw, #8 x ⅜" (4)
15	53233	Flat Seal
16	24413	Screw, #6 x ½" (4)



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

Ref. No.	Catalog No.	Description
1	35378	Camera Clamp Base
2	97177	Screw, #6 x 1/2" (15)
3	35368	Cable Guide
4	35373	Push Rod Wear Bar
5	35353	Clip (4)
6	35358	Front Case Label
7	35398	Hex Nut #6-32 (4)
8	34878	Micro Explorer Dock
9	26493	Shoulder Strap
10	35438	Housing Assembly
11	35363	Rear Case Label
12	35418	Cable Hook (2)
13	35413	Cable Wrap (2)
14	35423	Cord Wrap Foot (2)
15	35428	Cord Wrap Foot Retainer (2)
16	35433	Screw, #6-32 x 3" (4)
17	35393	Interconnect Cable Guide
18	35693	Right Foot (2)
19	35698	Left Foot (2)
20	35348	Side Latch (2)
21	35703	Hinge Pin
22	35388	Spring
Items Not Shown:		
–	35403	Shoulder Strap Mount Left (2)
–	35408	Shoulder Strap Mount Right (2)
–	37143	Camera Clamp Hook

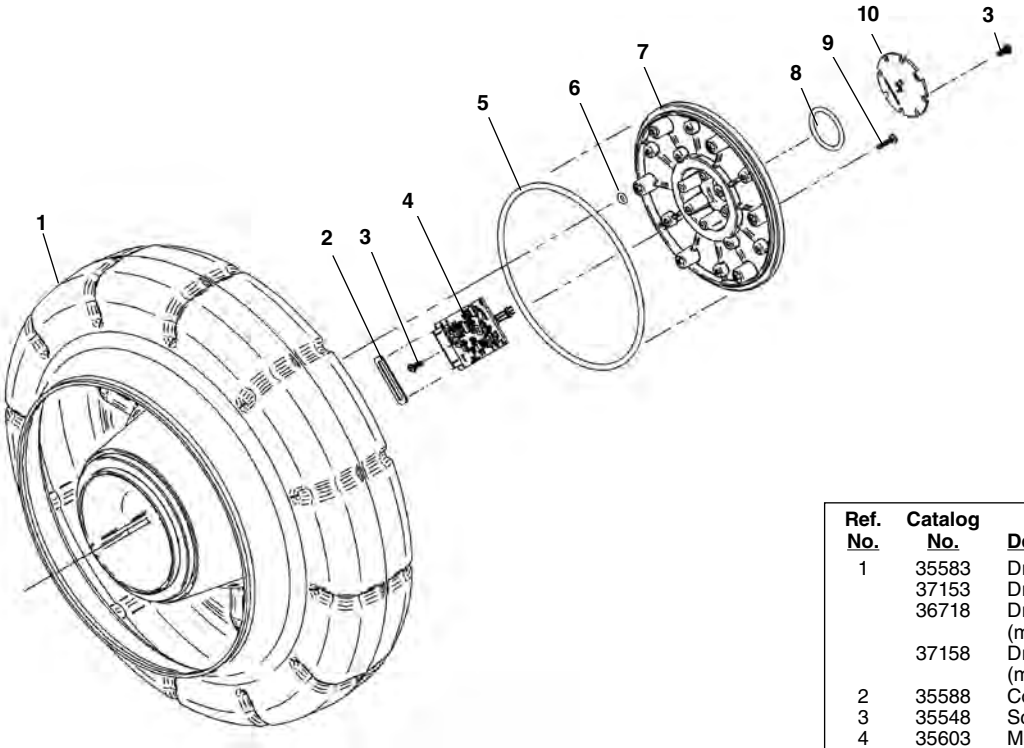
NOTE: Parts Shown Are Identical Between microDrain and microReel Except When Noted As Different.



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

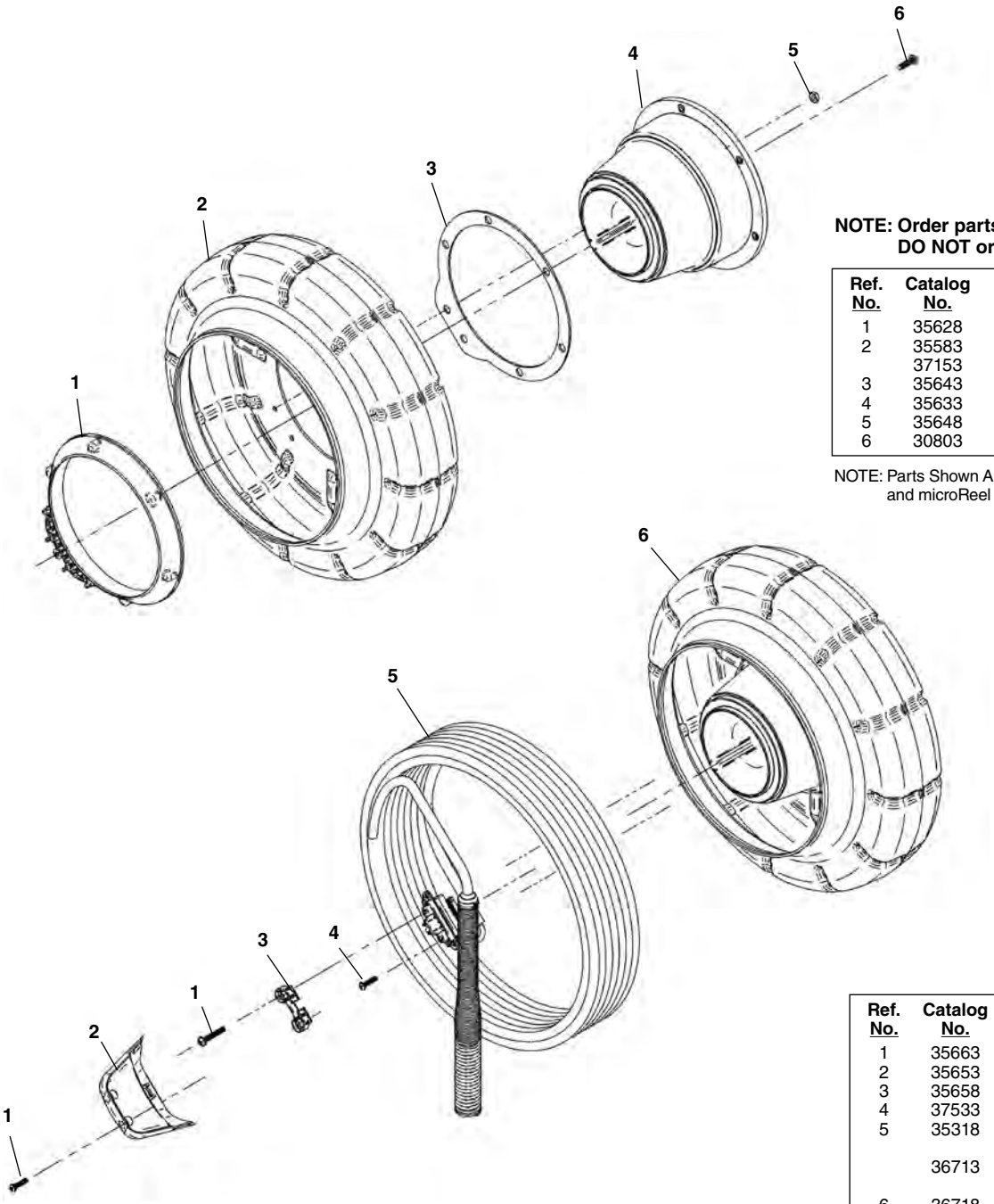
Ref. No.	Catalog No.	Description
1	35543	Magnet (2)
2	35548	Screw, 4-20 x 5/16" (6)
3	35553	Slip Ring Retainer
4	35558	Slip Ring Contact Cover
5	35563	Slip Ring Flange
6	35568	Contact Pin (6)
7	35573	Contact Pin Spring (6)
8	35578	Slip Ring PCB

NOTE: Parts Shown Are Identical Between microDrain and microReel Except When Noted As Different.



Ref. No.	Catalog No.	Description
1	35583	Drum Asm. (microDrain/nanoReel)
	37153	Drum Asm. (microReel)
	36718	Drum Asm. w/Electronics (microDrain/nanoReel)
	37158	Drum Asm. w/Electronics (microReel)
2	35588	Connector Gasket
3	35548	Screw, 4-20 x 5/16" (6)
4	35603	Main PCB (microDrain/NanoReel))
	37183	Main PCB (microReel Non-Counting)
	37188	Counter PCB Asm. (microReel)
5	35618	O-Ring
6	35608	O-Ring (6)
7	35593	PCB Hub Mount
8	35613	O-Ring
9	24488	Screw, #4 x 1/2" (6)
10	35598	Drum Side PCB
Items Not Shown		
	37193	Battery (microReel w/Counter Only)
	37198	Keypad (microReel w/Counter Only)

NOTE: Parts Shown Are Identical Between microDrain and microReel Except When Noted As Different.



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

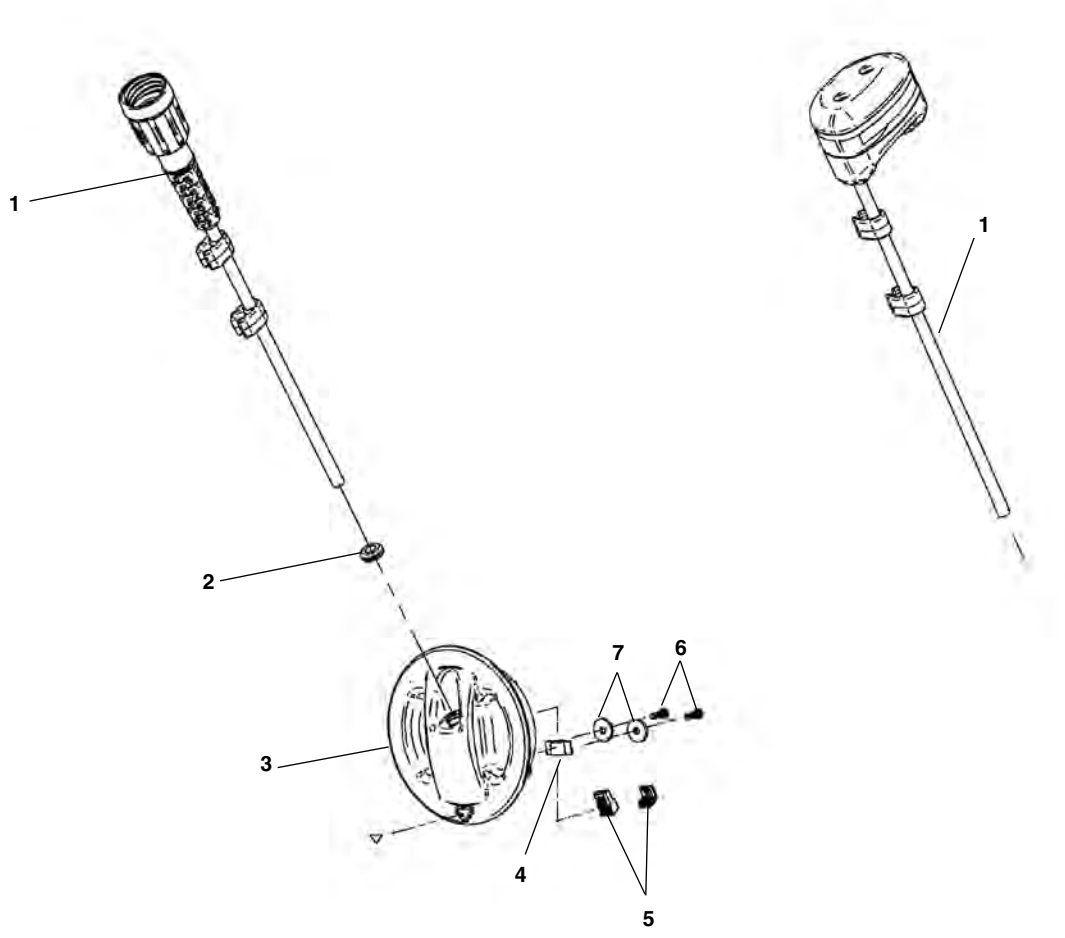
Ref. No.	Catalog No.	Description
1	35628	Hub Retainer
2	35583	Drum Asm. (microDrain/nanoReel)
	37153	Drum Asm. (microReel)
3	35643	Drum Hub Gasket
4	35633	Hub Cone
5	35648	Hex Nut, #8-32 (2)
6	30803	Screw, #8-16 x 5/8" (5)

NOTE: Parts Shown Are Identical Between microDrain and microReel Except When Noted As Different.

Ref. No.	Catalog No.	Description
1	35663	Screw, #6 x 5/8" (5)
2	35653	Hub Shield
3	35658	Push Cable Retainer
4	37533	Screw, #8-32 x 1" (2)
5	35318	Push Cable Asm. L/Cam. (microDrain)
	36713	Push Cable Asm. L/Cam. (microReel)
6	36718	Drum Asm. w/Electronics (microDrain/nanoReel)
	37158	Drum Asm. w/Electronics (microReel)

NOTE: Parts Shown Are Identical Between microDrain and microReel Except When Noted As Different.

Interconnect Cords

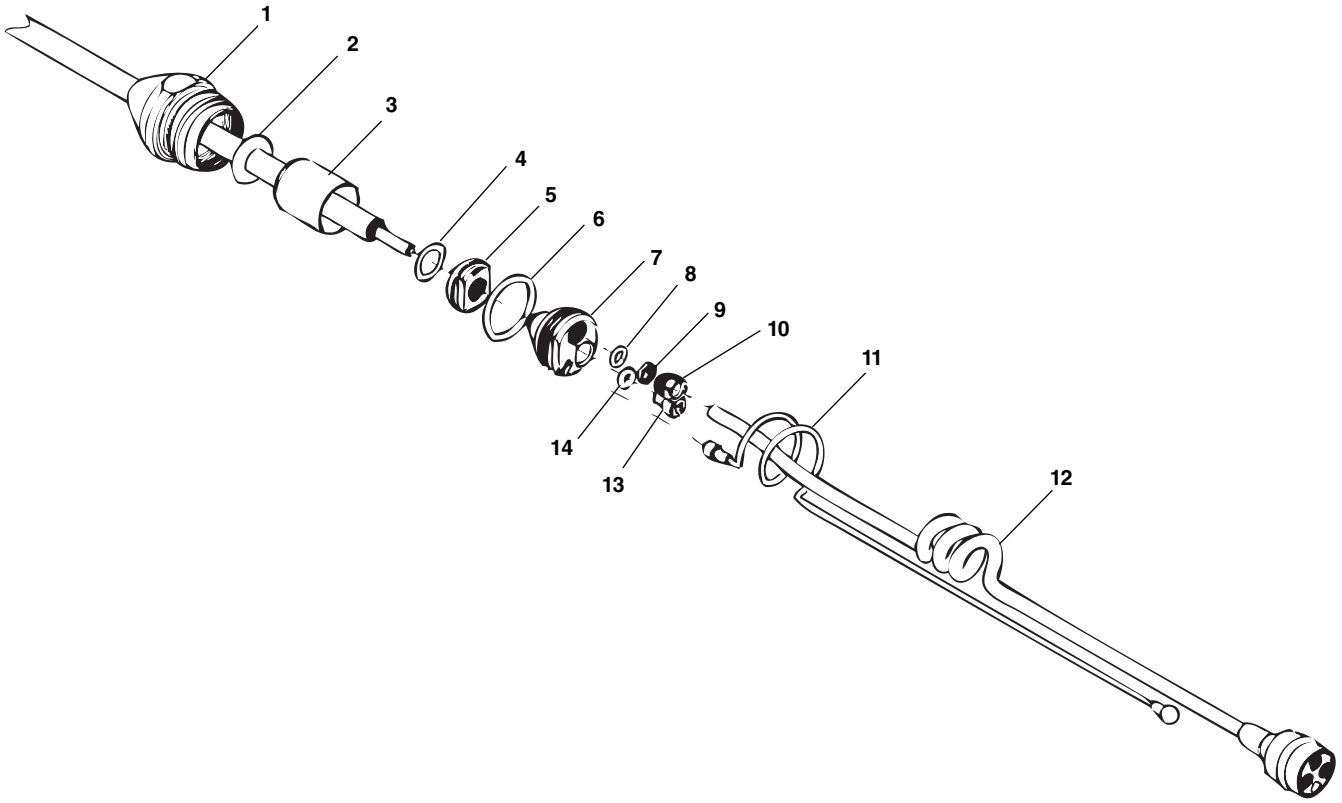


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	33108	microDrain/Reel Interconnect Cord (SeeSnake® Reel)
	33113	microDrain/Reel Interconnect Cord (microEXPLORER™ Digital Inspection Camera)
2	37388	Rubber Grommet
3	37408	Slip Ring Cover
4	37398	Clamp
5	37403	IDC Connector Set
6	31343	Screw, 4-20 x 3/8" (6)
7	37393	Flat Washer (2)
Items Not Shown		
	42303	Interconnect Cord Circuit Board

NOTE: Parts Shown Are Identical Between microDrain and microReel Except When Noted As Different.

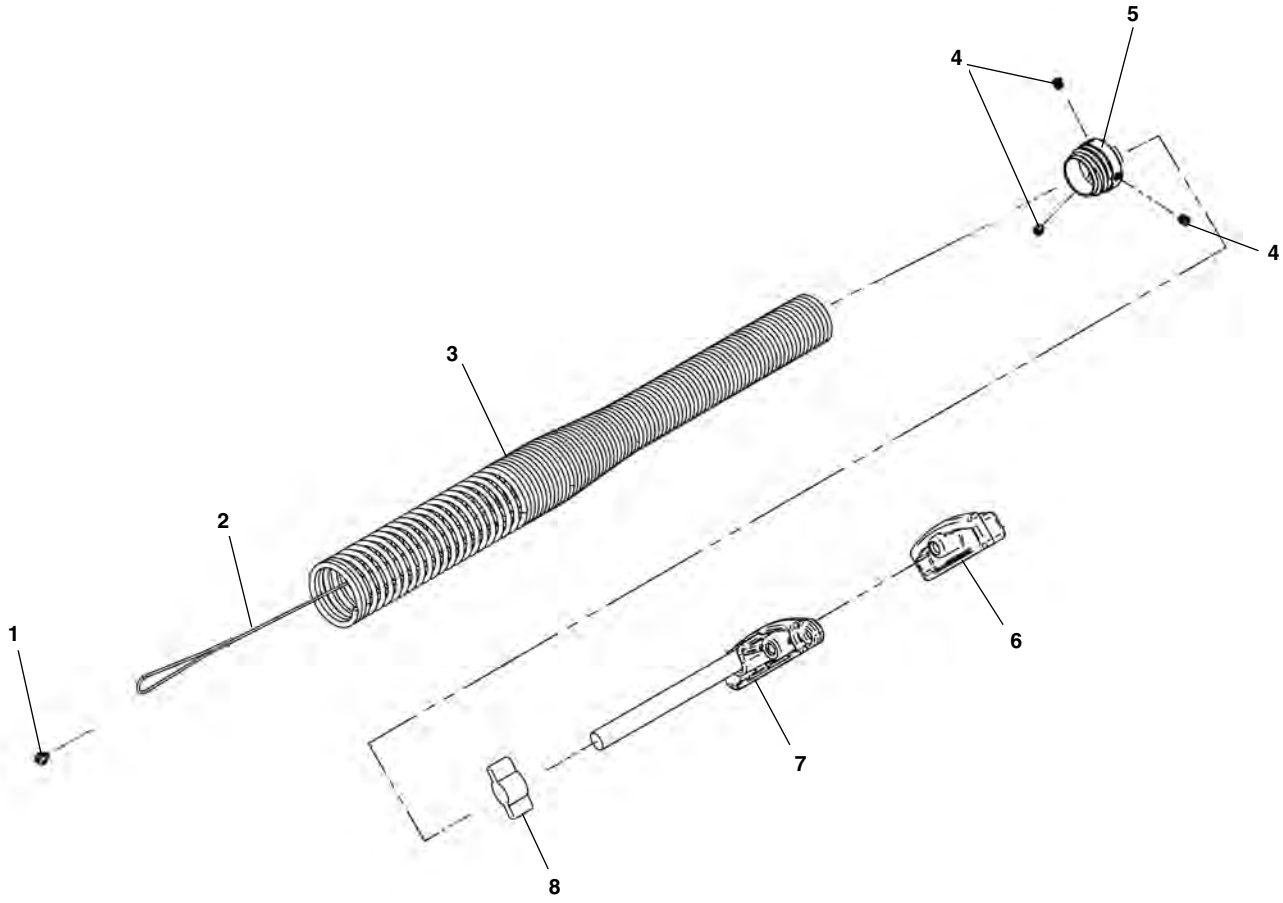
microReel Push Cable Assembly



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

Ref. No.	Catalog No.	Description
—	36713	Push Cable Asm. L/Camera Head
1	18763	Rear Spring Shell
2	18773	O-Ring
3	18778	O-Ring Cap
4	18793	Spring Washer
5	18783	Push Nut
6	18768	O-Ring
7	18788	Termination Plug
8	18798	O-Ring
9	18808	Back-Up Ring
10	18813	Seal Screw
11	36693	Safety Cable
12	36218	Coil Cord Assembly
13	18803	Screw, #6-32 x 3/16"
14	18828	O-Ring
	18733	Retermination Kit (Includes Ref No's 2, 5, 6, 7, 8, 9, 14)
Items Not Shown:		
–	37373	Spring Asm.
–	20273	Locking Sleeve
–	20283	Connector w/Slot
–	20288	Connector Minus Slot
–	20278	Retaining Ring
–	36223	12 Pin IDC Connector

microDrain Push Cable Assembly

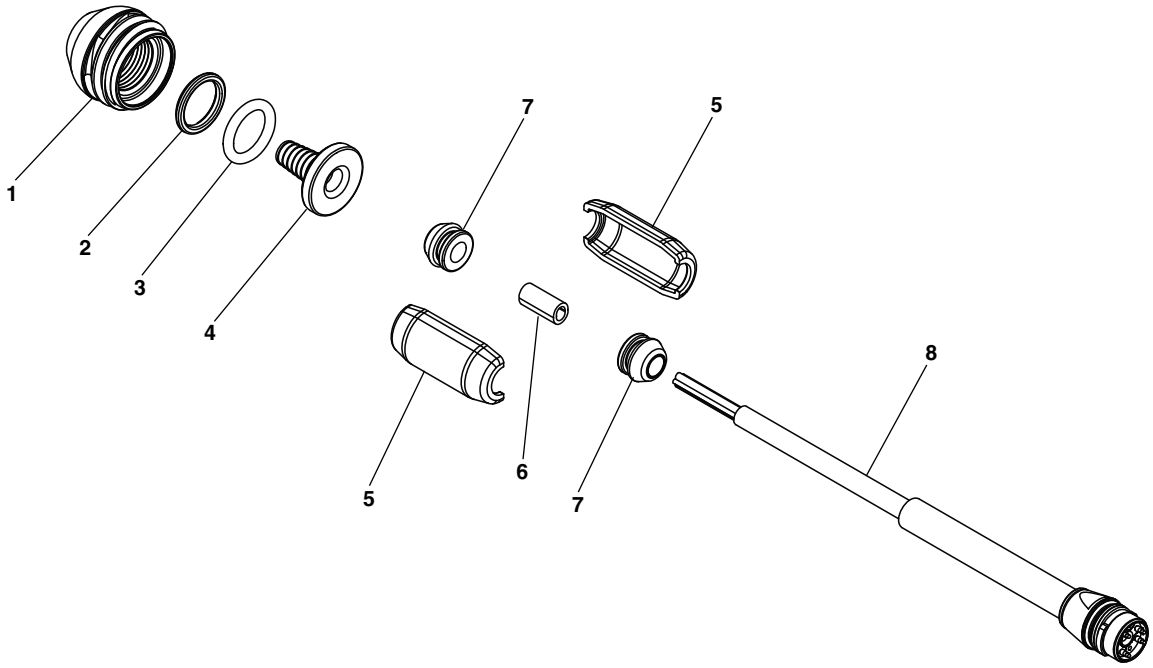


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
—	35318	microDrain Push Cable Assembly L/Cam
1	35878	Ball Stop
2	35888	Safety Cable
3	35883	Spring Assembly
4	35918	Set Screw #4-40 x 1/8" (3)
5	35913	Rear Spring Shell
6	35928	Wire Plug
7	35933	Sealing Clamp
8	35923	Clamp
Item Not Shown:		
–	36223	12 Pin IDC Connector

NOTE: Parts Shown Are Identical Between microDrain and microReel Except When Noted As Different.

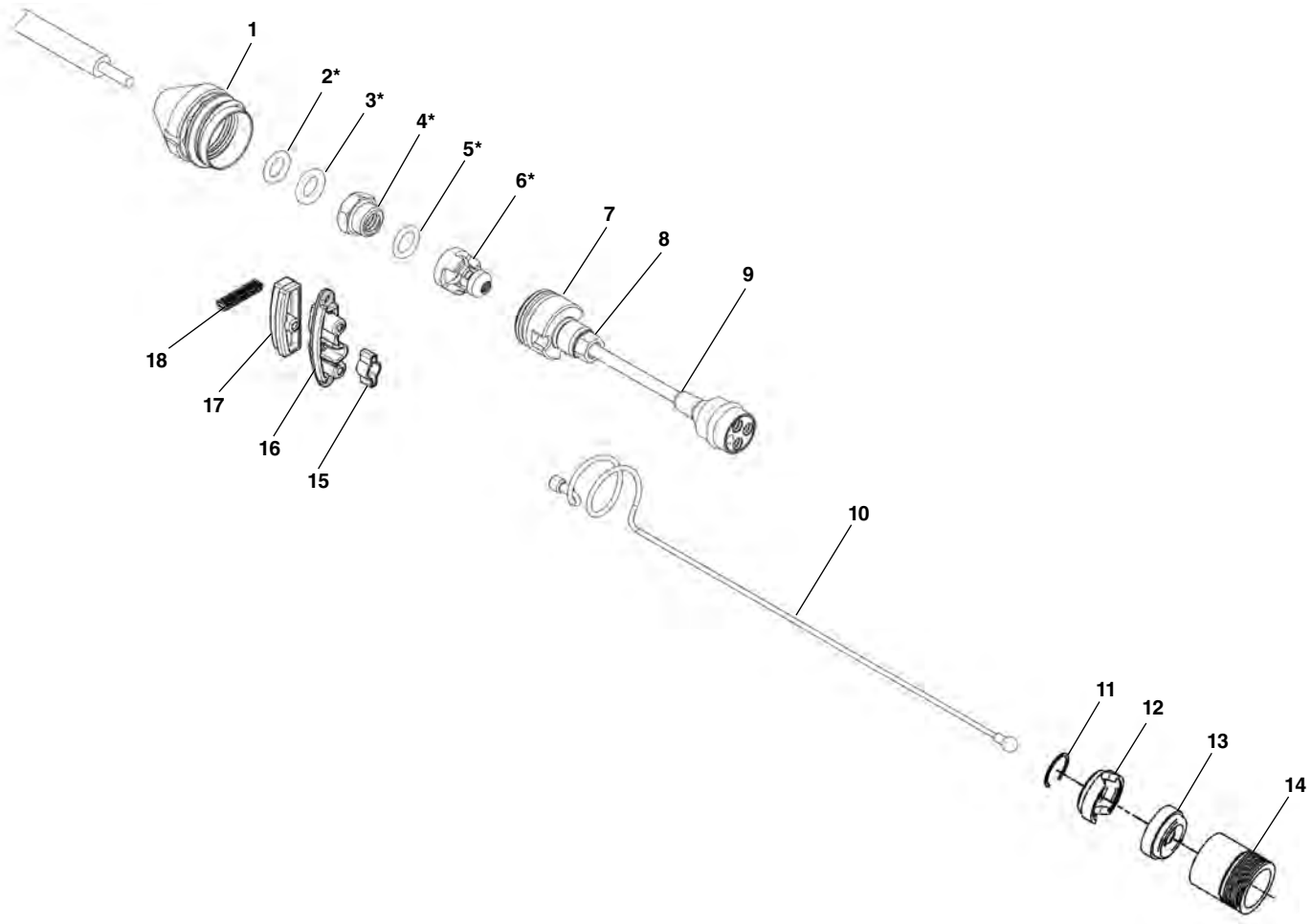
Push Cable Assembly



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

Ref. No.	Catalog No.	Description
	41783	NanoReel Push Cable Asm 85 ft.
1	45918	Outer Press Shell
2	59288	Back Up Ring
3	59293	O-Ring
4	45913	Inner Press Ferrule
5	59308	Capsule Set
6	59313	Crimp Sleeve
7	59303	Tapered Plug
8	57053	Camera Connect Cord
	50208	Full Reterm Kit (Incl Ref #'s 1-8)
	50203	Half Reterm Kit (Incl Ref #'s 5, 6, 7, 8)

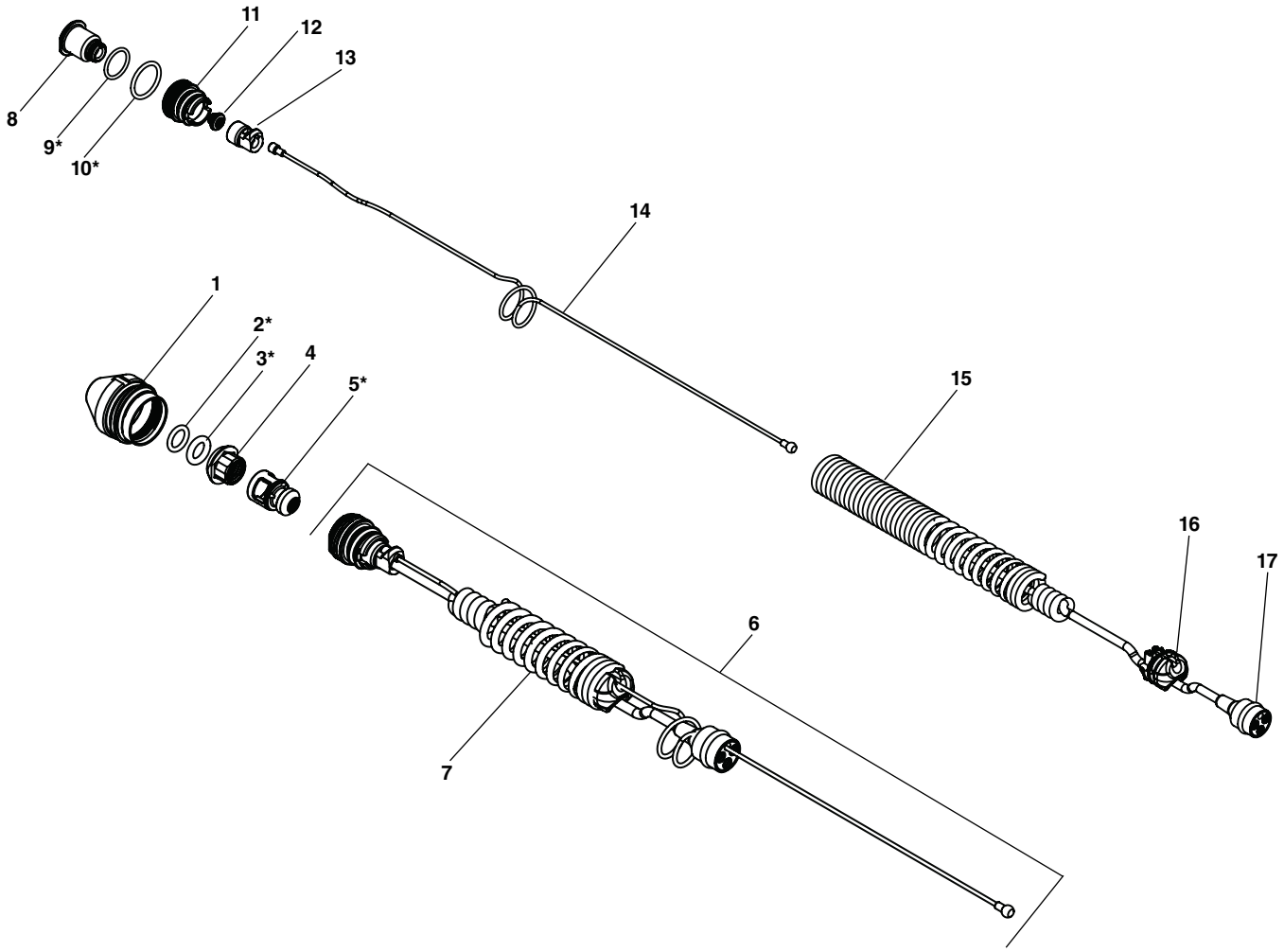
rM200A Push Cable Assembly



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

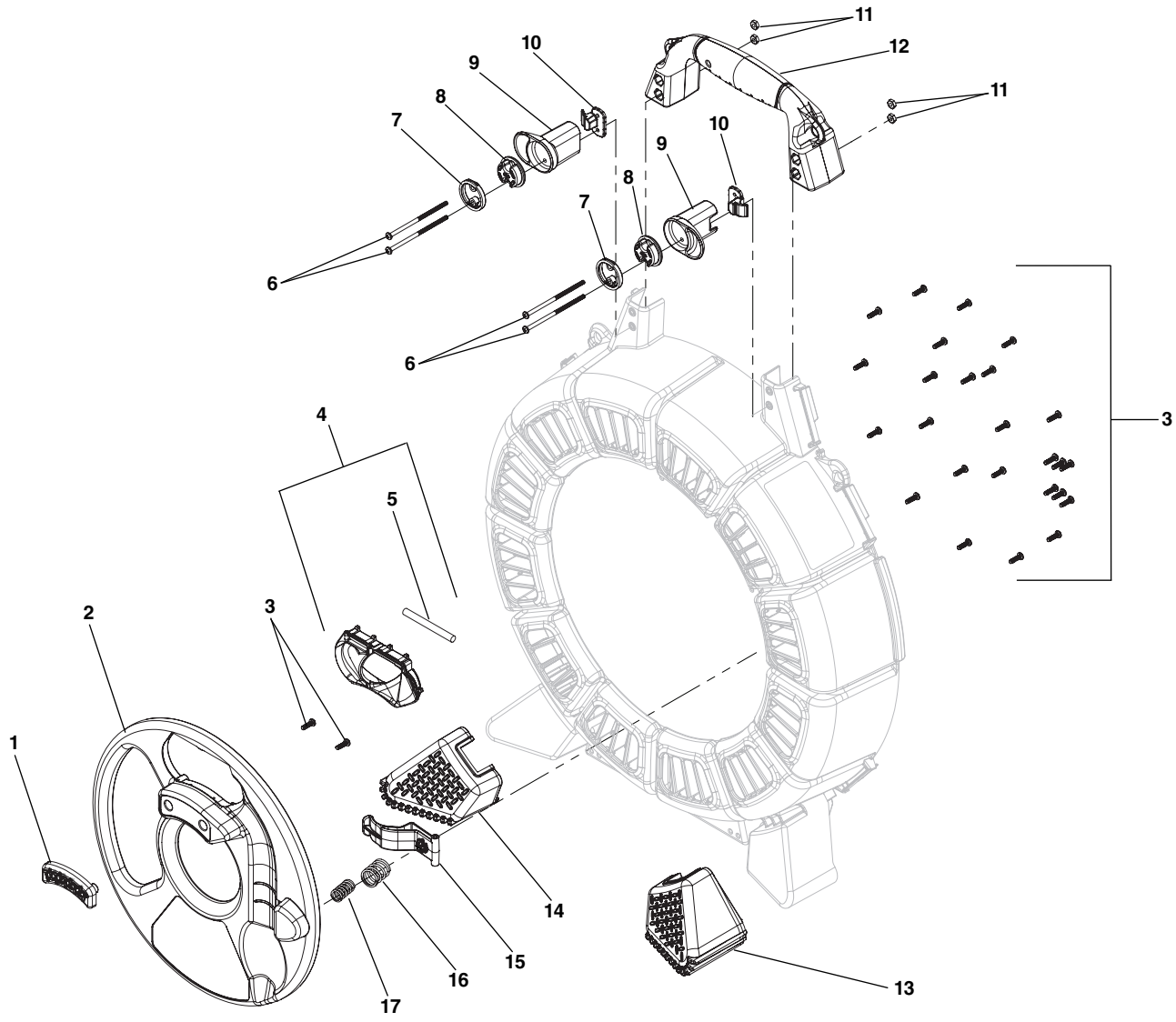
Ref. No.	Catalog No.	Description
–	43863	RM200 Push Cable Assembly 200 ft.
1	43888	Rear Spring Shell
2	44688	O-Ring
3	45383	O-Ring
4	45388	Push Nut
5	71222	O-Ring
6	24258	Push Bond
7	21913	Spring Cap
8	71067	Compression Nut
9	18818	Coil Cord
10	18823	Safety Cable
11	20278	Retaining Ring
12	20283	Connector w/Slot
13	20288	Connector Less Slot
14	20273	Locking Sleeve
15	71607	Clamp
16	35933	Sealing Clamp
17	35928	Wire Plug
18	36223	12 Pin IDC Connector
*	43113	Retermination Kit (Items Marked w/*)
Items Not Shown		
	22728	S.S. Spring
	21908	Compression Bushing (Incl. In Re-term Kit)
	18768	O-Ring (Incl. In Re-term Kit)
	21923	Inline Locking Sleeve

rM200B Push Cable Assembly



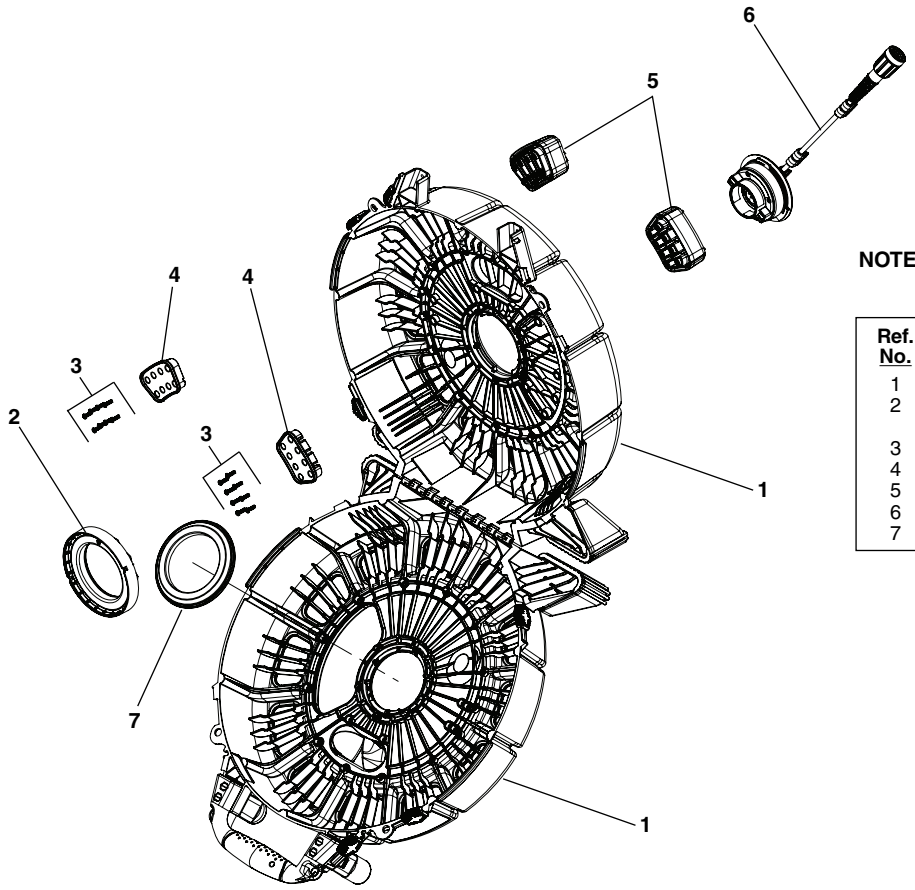
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
	51813	D2B Push Cable Asm L/Camera
1	53198	Rear Spring Shell
2	71222	O-Ring
3	45383	O-Ring
4	53188	Push Nut Jacket
5	53193	Push Bond
6	53183	Terminated Cord Asm.
7	53743	Inner Spring
8	53723	Wire Sleeve
9	54268	O-Ring
10	18768	O-Ring
11	53738	Inner Spring Cap
12	21908	Mini Compression Bushing
13	53753	Compression Nut
14	53748	Safety Cable
15	51818	Spring Asm.
16	53733	Inner Spring Plug
17	53728	Coil Cord
*	52593	Retermination Kit
Following Item Not Shown		
	20273	Locking Sleeve
	20288	Connector
	20283	Connector W/Slot
	20278	Retaining Ring



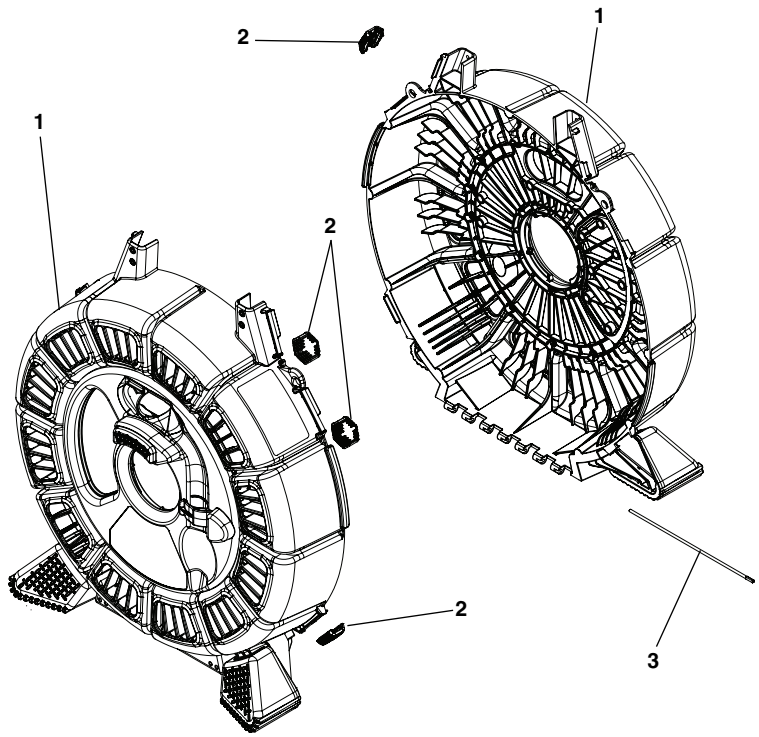
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	48648	Front Bumper
2	48658	Front Plate
3	24413	Screw, #6 x ½" (27)
4	48948	Wear Insert Assembly
5	48643	Wear Bar
6	35433	Screw, #6-32 x 3" (4)
7	35428	Cord Wrap Foot Retainer (2)
8	35423	Cord Wrap Foot (2)
9	35413	Cord Wrap (2)
10	35418	Cable Hook (2)
11	35398	Hex Nut (4)
12	50213	Handle
13	48623	Foot (Right)
14	48628	Foot (Left)
15	48663	Camera Clamp Hook
16	48573	Spring
17	48578	Spring
Following Item Not Shown		
–	34878	CS-6 Dock



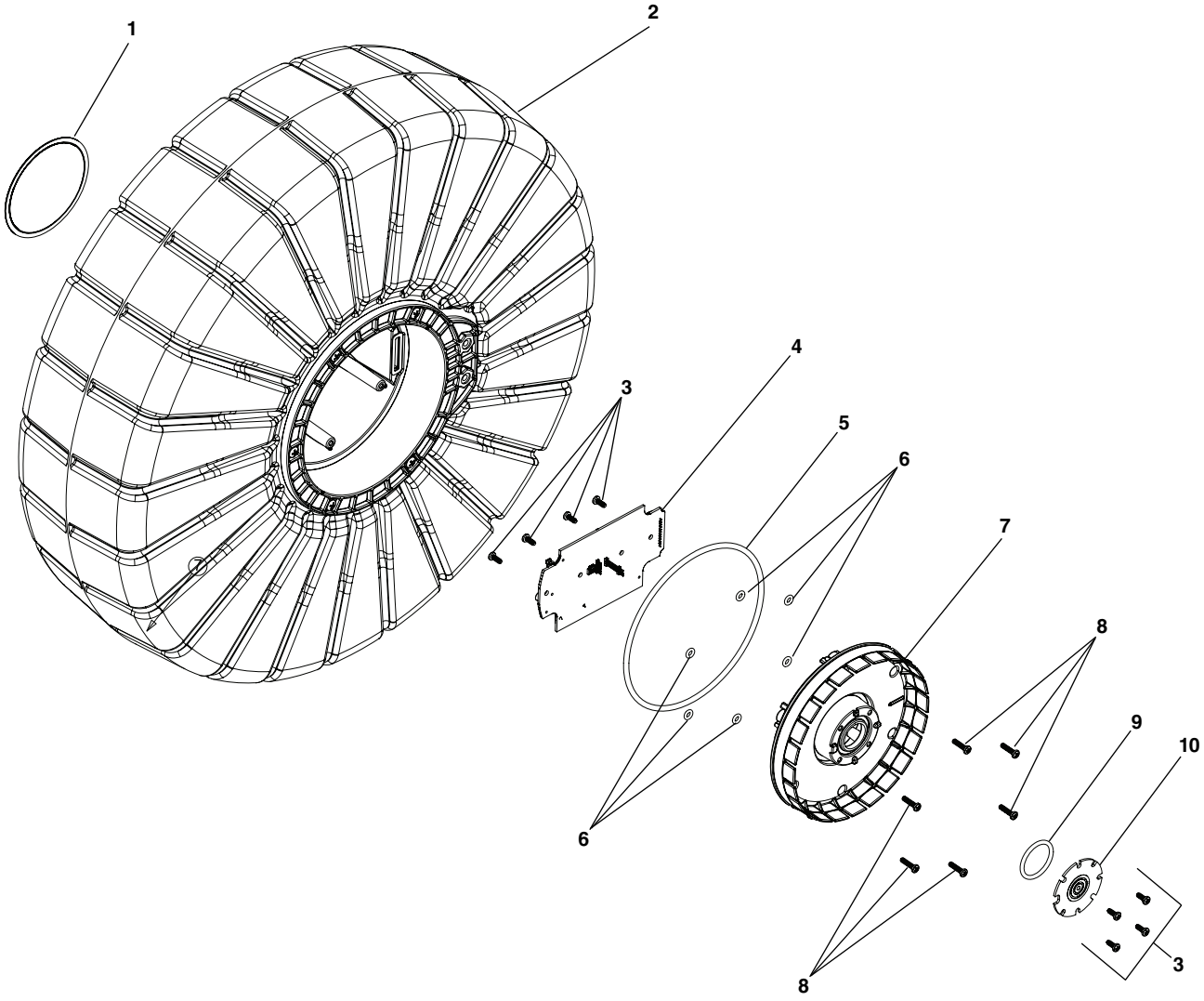
NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	48598	Housing Asm
2	47593	Rear Bearing Asm (D2A)
	56623	Rear Bearing Asm (D2B)
3	97177	Screw, #6 X 1/2" (16)
4	48653	Retainer (4)
5	48633	Upper Foot (2)
6	33108	Interconnect Cord
7	47588	Front Bearing Assembly (D2A & D2B)



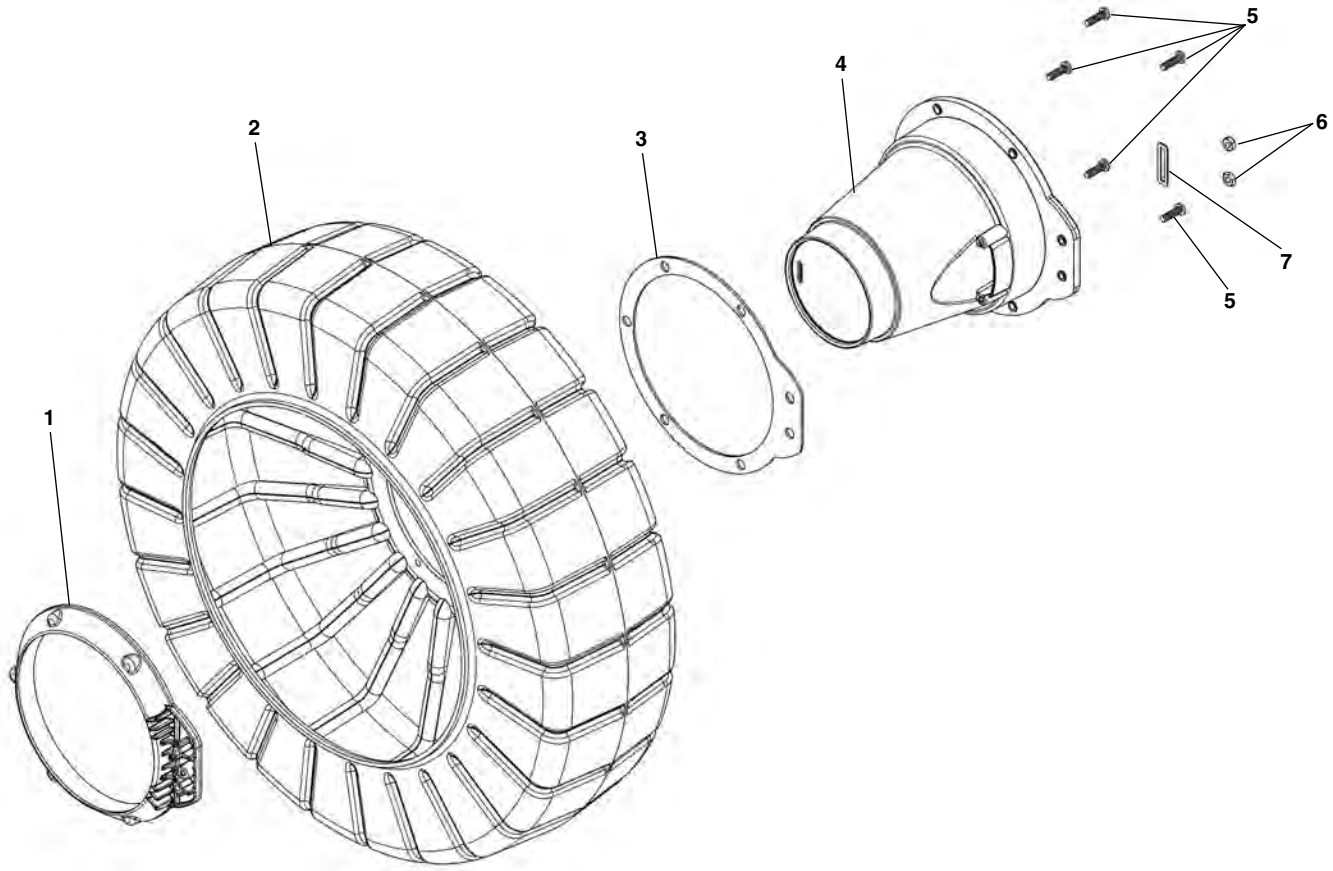
NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	48598	Housing Asm (Incl Ref #'s 1-3)
2	48953	Slide Latch (6)
3	48638	Hinge Pin



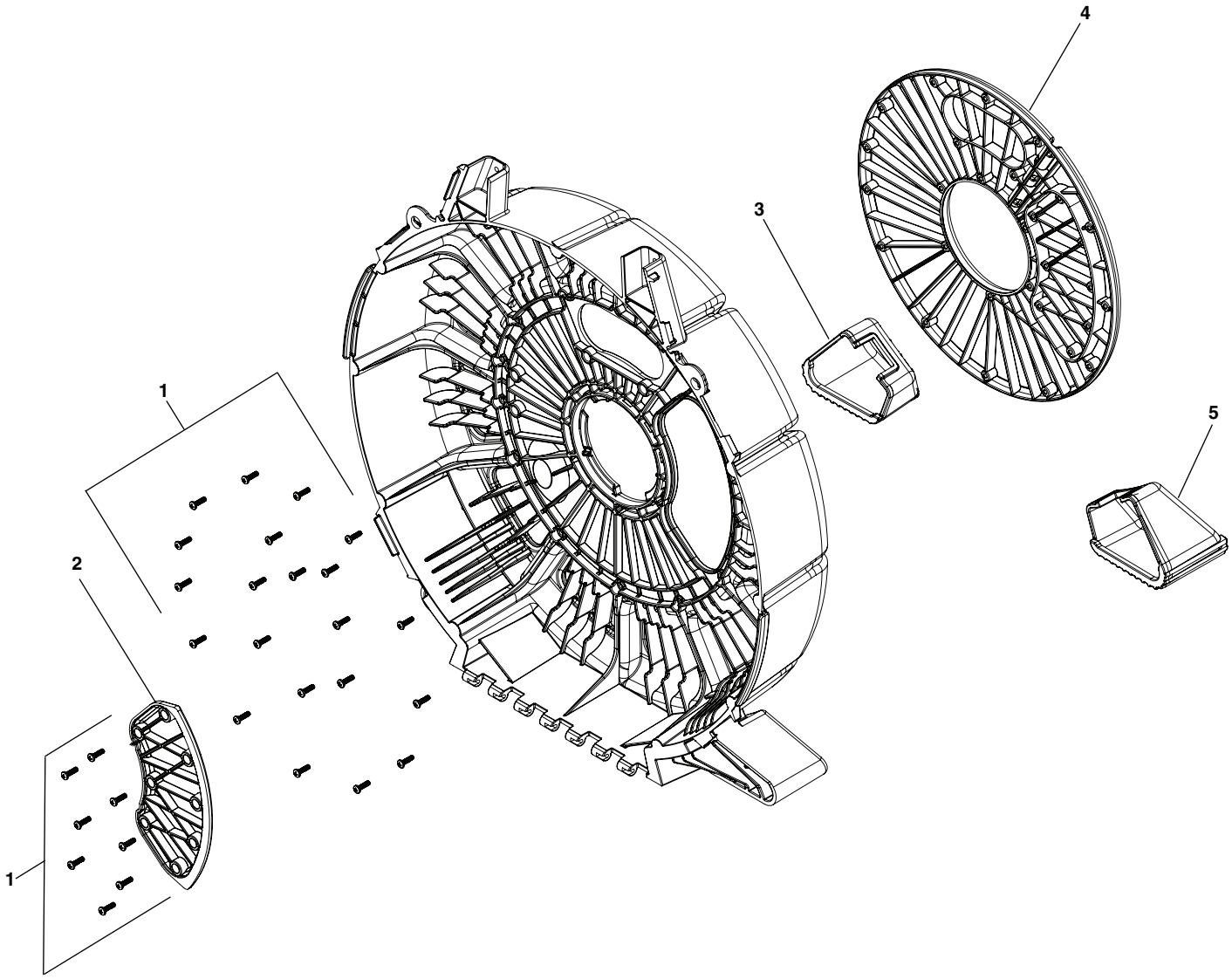
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	37198	Keypad
2	48603	Drum W/Electronics (Incl. Ref No's 1-10)
3	35548	Screw, #4-20 x 5⁄16" (8)
4	37188	Hub Board (Counting)
5	35618	O-Ring
6	35608	O-Ring (6)
7	35593	PCB Hub Mount
8	24488	Screw, #4 x ½"
9	35613	O-Ring
10	35598	Drum Side PCB



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

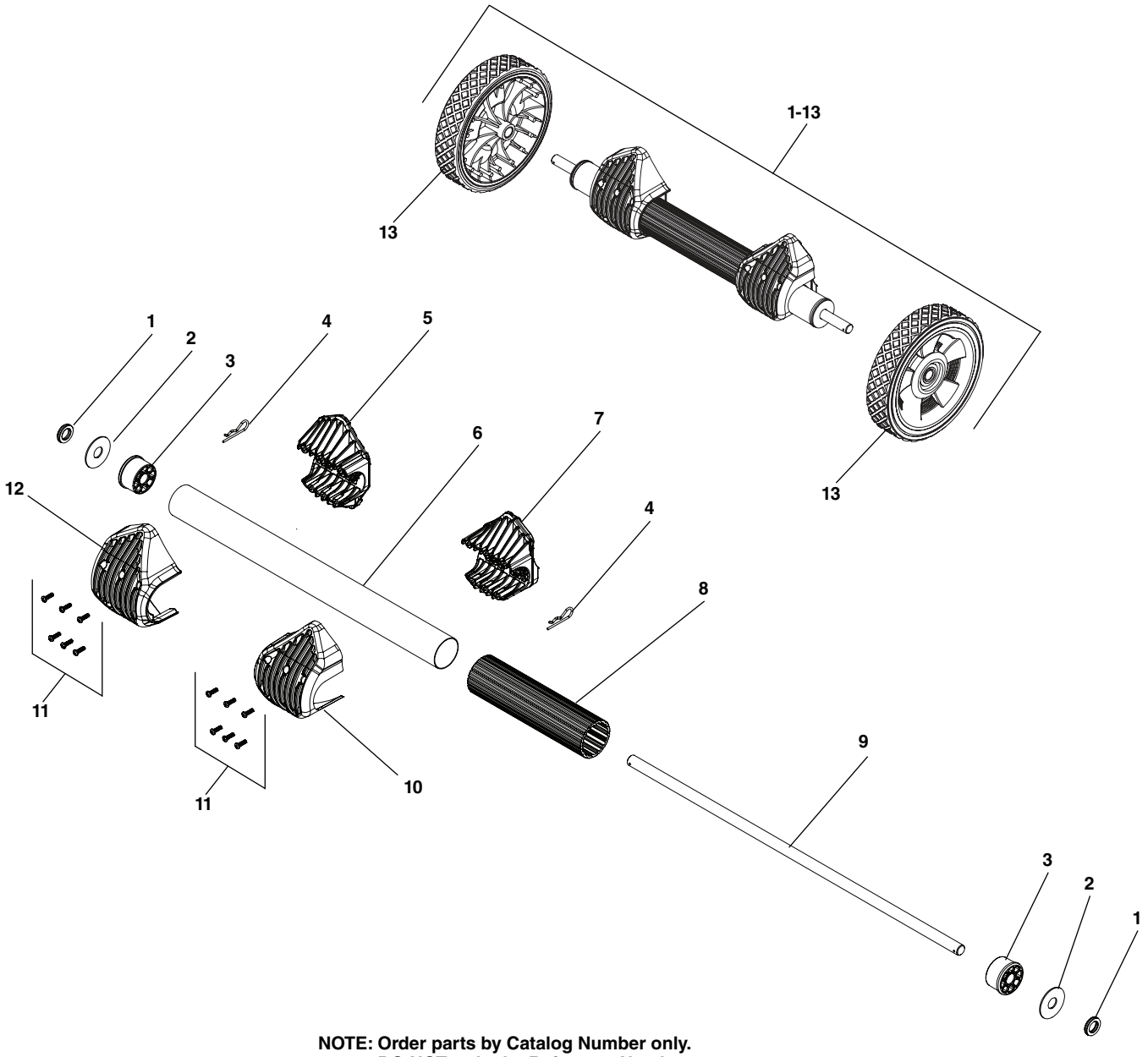
Ref. No.	Catalog No.	Description
1	35628	Hub Retainer
2	48618	Drum Only
3	35643	Drum Hub Gasket
4	48613	Hub Cone
5	30803	Screw, #8-16 x ⅝"
6	35648	Hex Nut, #8-32
7	35588	Connector Gasket



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

Ref. No.	Catalog No.	Description
1	24413	Screw, #6 x ½" (29)
2	51643	Rear Reinforcement Plate
3	48623	Foot (Right)
4	48958	Rear Plate
5	48628	Foot (Left)

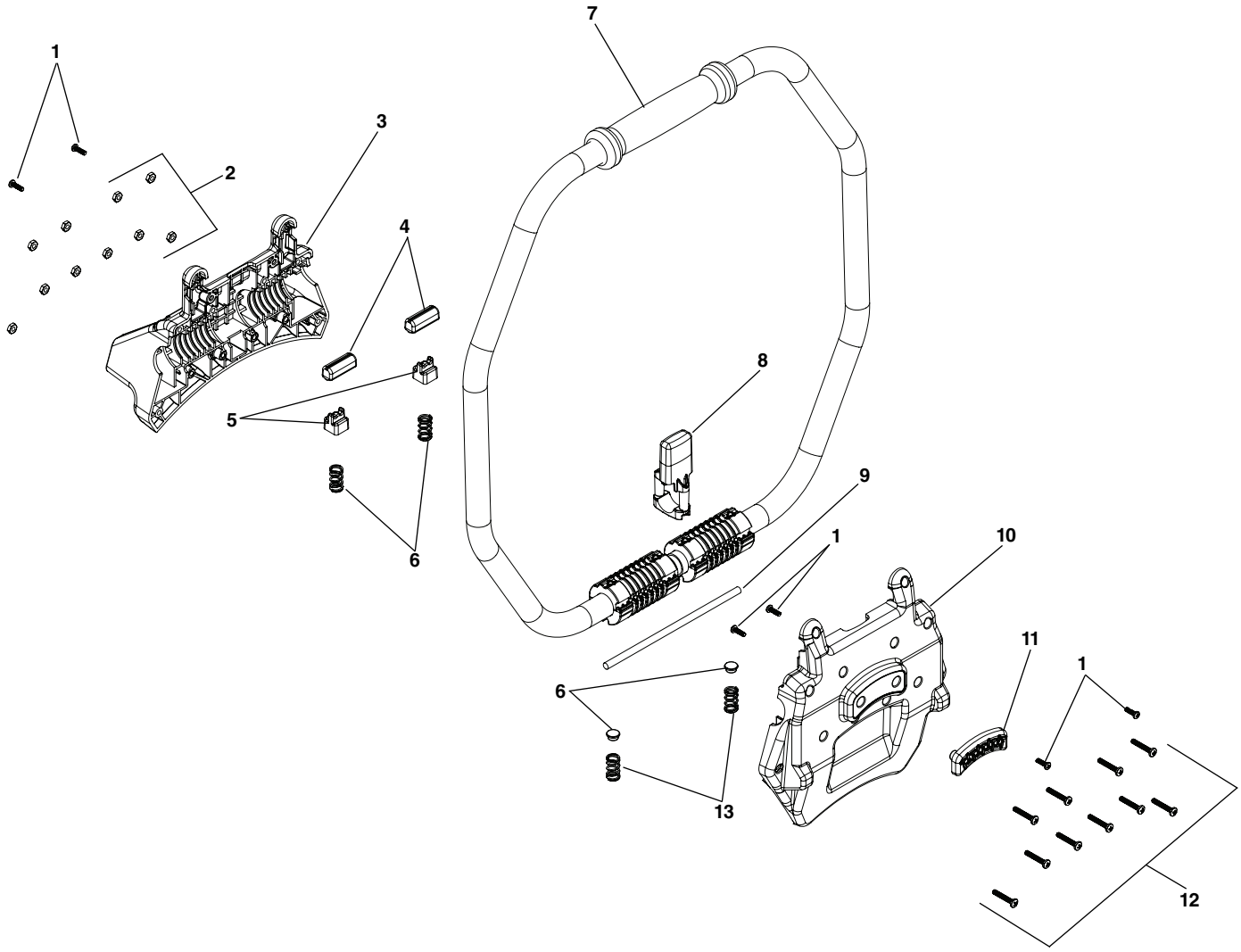
Transporter



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

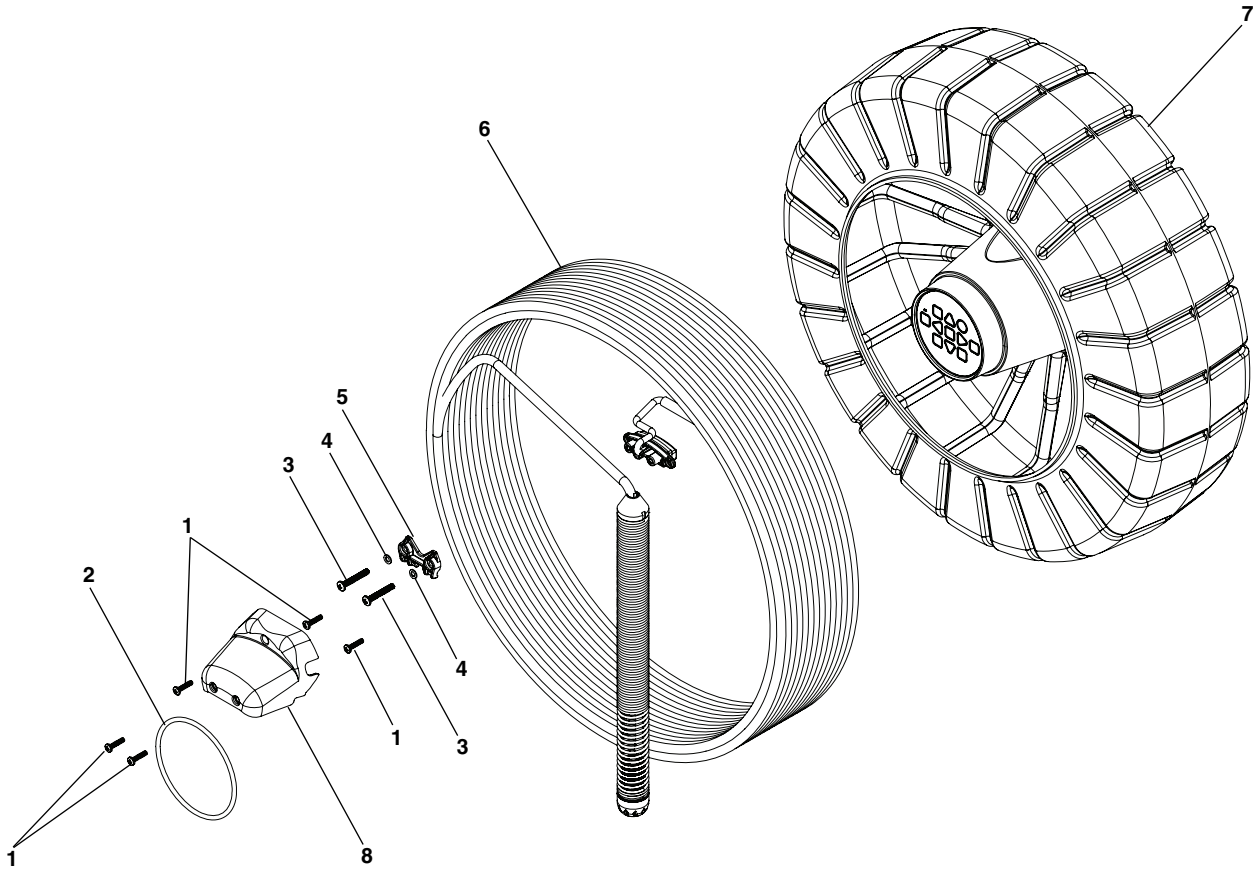
Ref. No.	Catalog No.	Description
–	50863	Wheel Asm. (Incl Ref No's 1-13)
1	48708	Axle Spacer (2)
2	50873	Flat Washer (2)
3	48673	Axle Plug (2)
4	50868	Hitch Pin (2)
5	48688	Axle Tube Mount (Left)
6	48683	Axle Tube
7	48693	Axle Tube Mount (Right)
8	48668	Axle Tube Sleeve
9	48678	Wheel Axle
10	48703	Axle Tube Cap (Right)
11	24413	Screw, #6 x ½" (12)
12	48698	Axle Tube Cap (Left)
13	68242	Wheel (2)

Handle Assembly



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

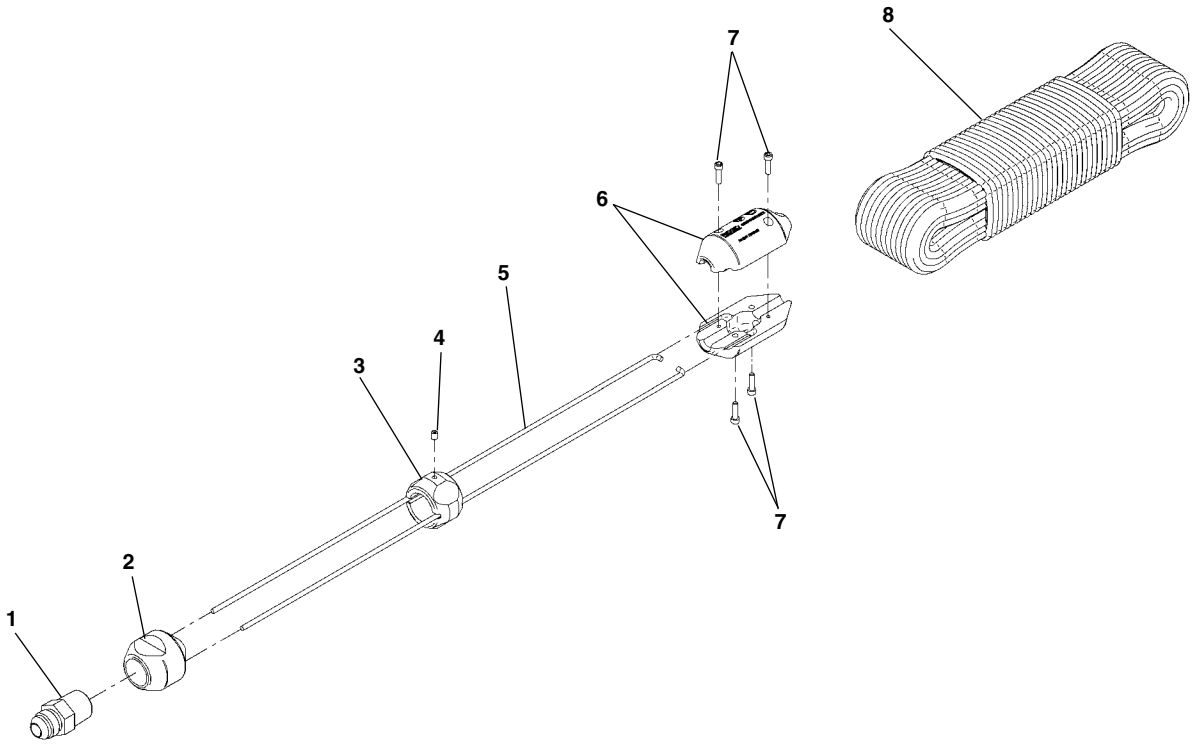
Ref. No.	Catalog No.	Description
–	48943	Handle & Mount Asm (Incl. #'s 1-13)
1	24413	Screw, #6 x ½" (6)
2	35648	Hex Nut (10)
3	48913	Inner Handle Mount
4	48928	Slide Lock (2)
5	48933	Handle Détente (2)
6	48583	Handle Springs (4)
7	48938	Handle
8	48918	Handle Button
9	50918	Lock Bar
10	48908	Outer Handle Mount
11	48648	Front Bumper
12	50923	Screw, #8-32 x 1" (10)
13	48923	Spring Cap (2)



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

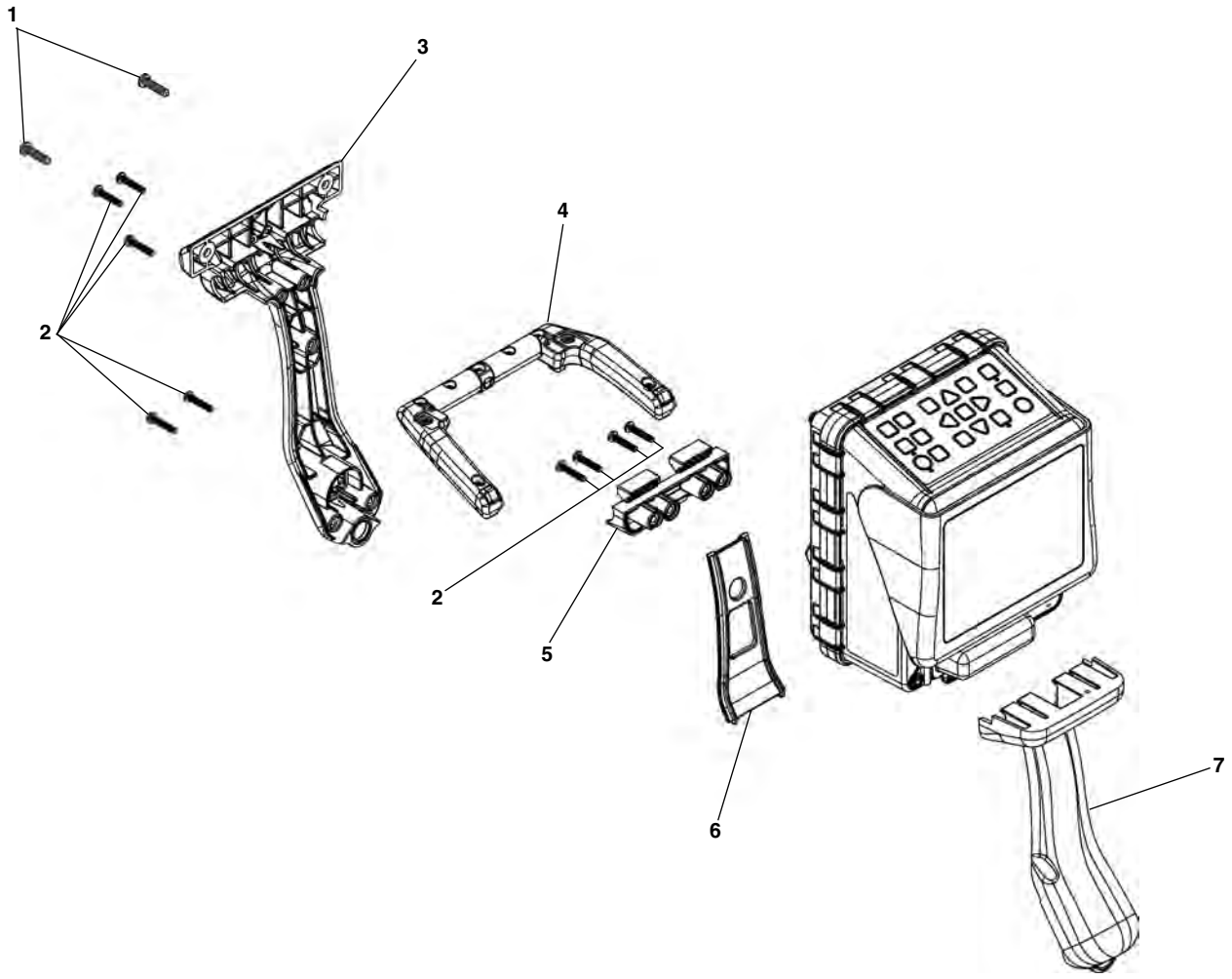
Ref. No.	Catalog No.	Description
1	35663	Screw, #6 x ⅝" (5)
2	49213	O-Ring
3	50833	Screw, #8-32 x 1¼" (2)
4	50838	Washer (2)
5	35658	Push Cable Retainer
6	43863	Push Cable Asm (Less Camera)
7	48603	Drum Asm. W/Electronics
8	50848	Hub Shield

CROSSCHEK Rig



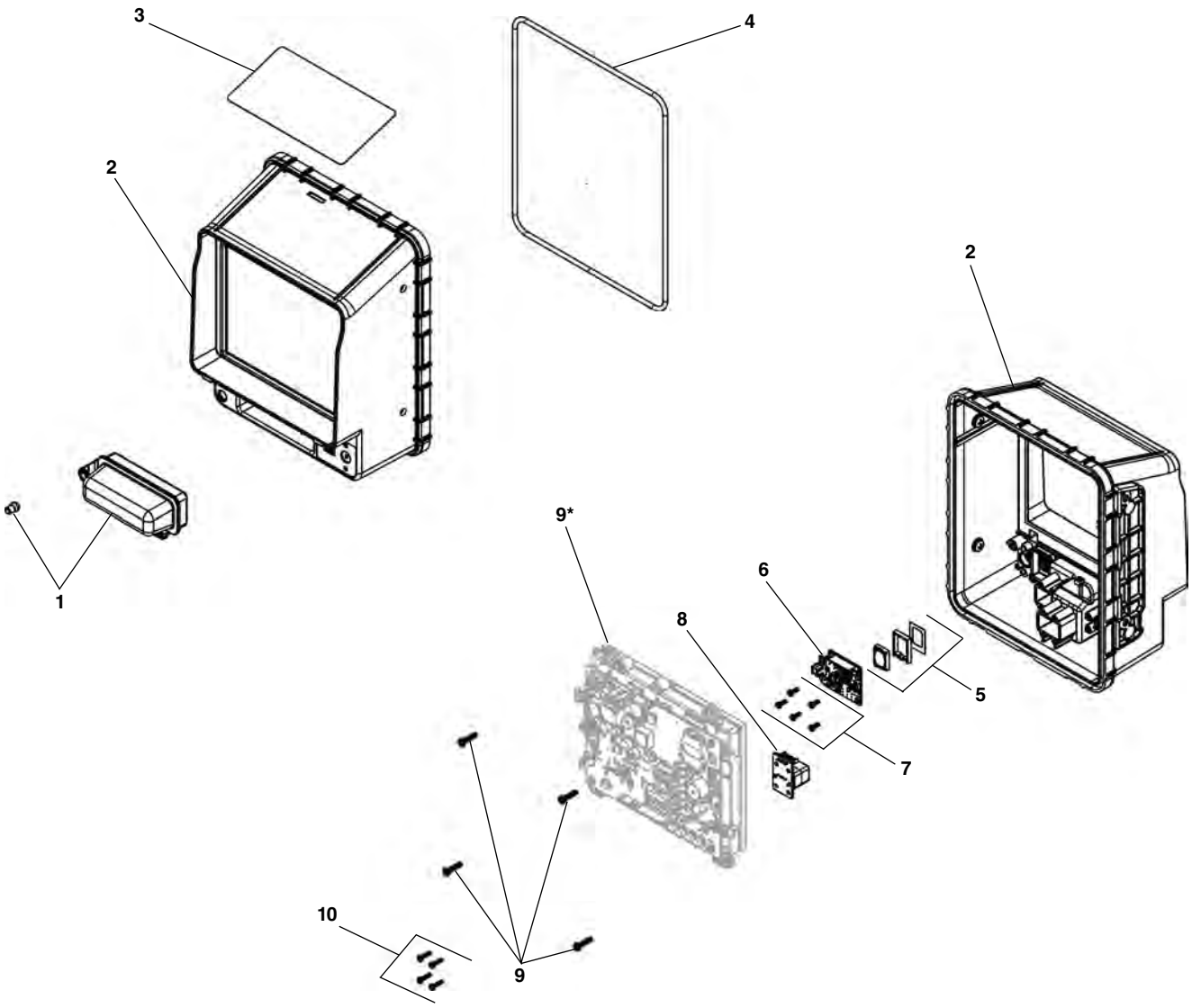
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref No.	Description	MicroReel CrossChek Catalog No.	MicroDrain CrossChek Catalog No.	NanoReel CrossChek Catalog No.
1	Adapter	43013	43013	43013
2	Viewing Cone	43003	43003	43008
3	Camera Guide	42983	42988	42993
4	Set Screw, #8-32 x 1/4"	42998	42998	42998
5	Pull Rod (2)	42978	42978	42978
6	Pushrod Clamp	42953	42958	42963
7	Screw, #6-32 x 1/2" (4)	42968	42968	42968
8	Rope, 3/16" x 100 ft.	42973	42973	42973



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

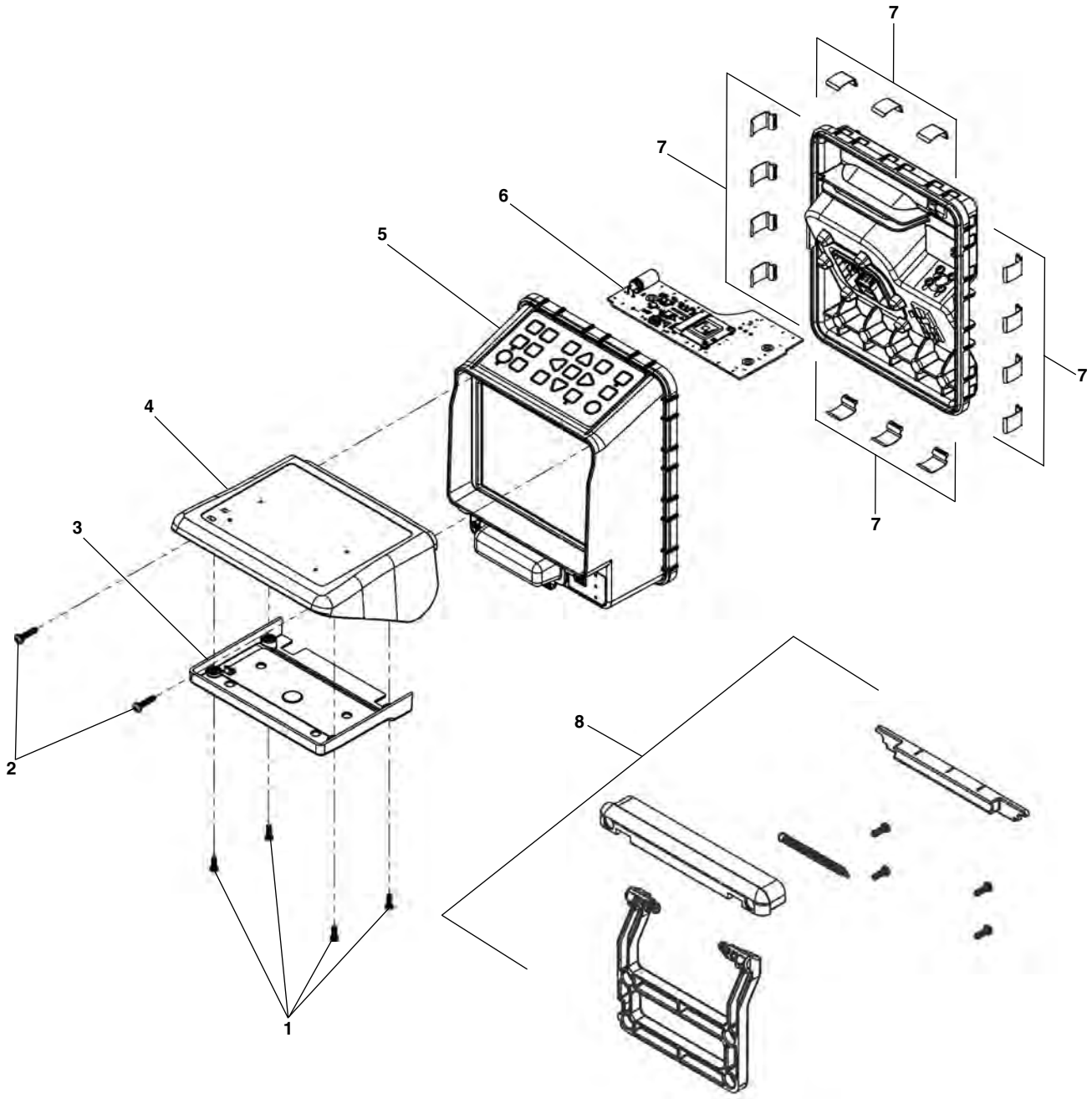
Ref. No.	Catalog No.	Description
1	49128	Screw, #8 x ¾" (2)
2	24368	Screw, #6 x ¾" (9)
3	49133	Bottom Handle
4	49148	Kickstand
5	49138	Handle Clamp
6	49143	Handle Insert
7	49153	Top Handle
Following Item Not Shown		
	50103	Handle Weight



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

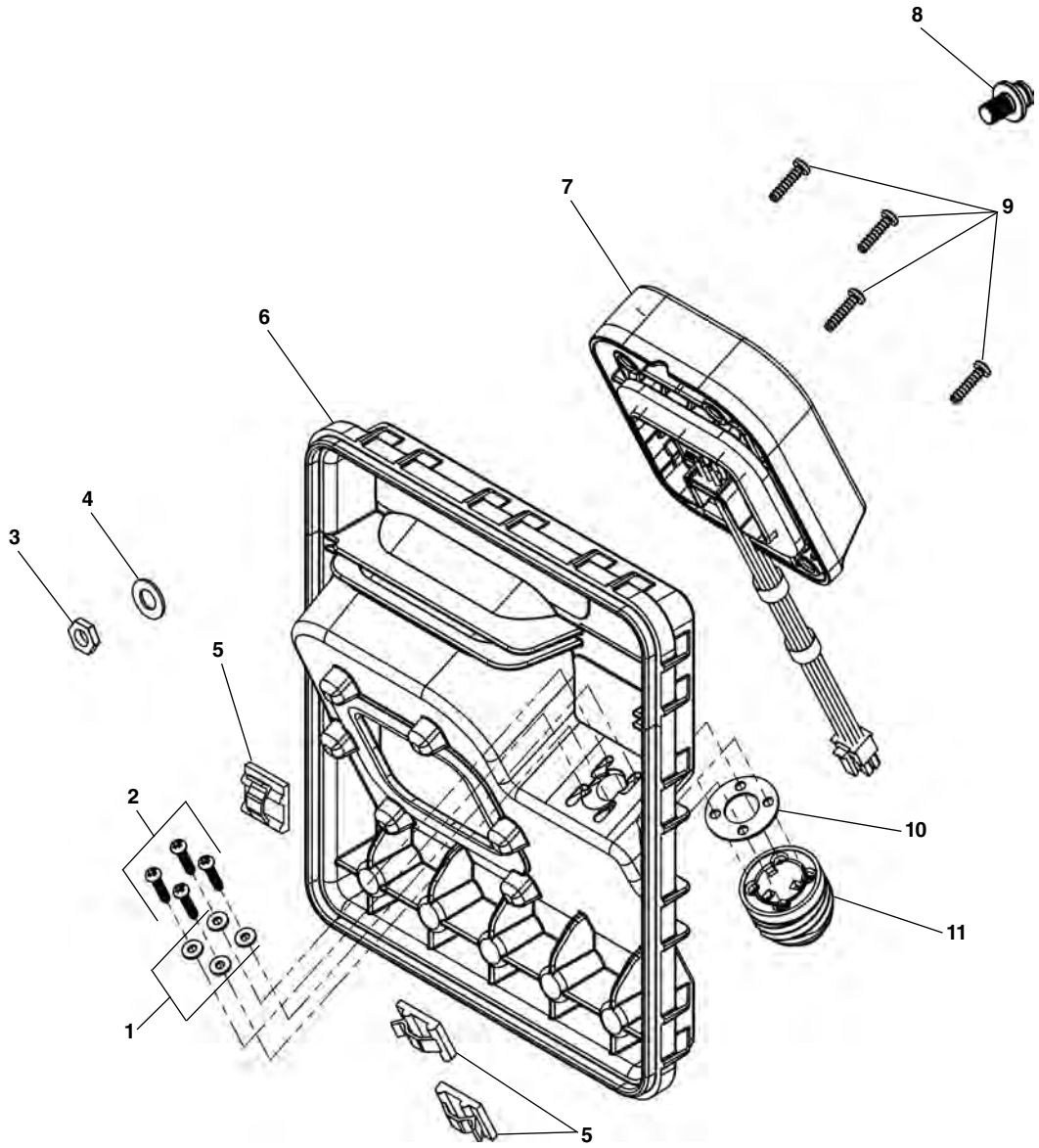
Ref. No.	Catalog No.	Description
1	49068	Front Connector Cover W/Pin
2	49073	Front Case (Less Keypad)
3	49078	Keypad W/Ribbon Cable
4	49083	Foam Seal
5	49088	Speaker Assembly
6	49093	Audio PCB
7	32208	Screw, #2 x ¼" (5)
8	49103	USB Connector PCB
9	49118	Screw, #4 x ½" (4)
10	49123	Screw, #2 x ⅜" (4)

*Must Be Replaced By Factory Service Center.



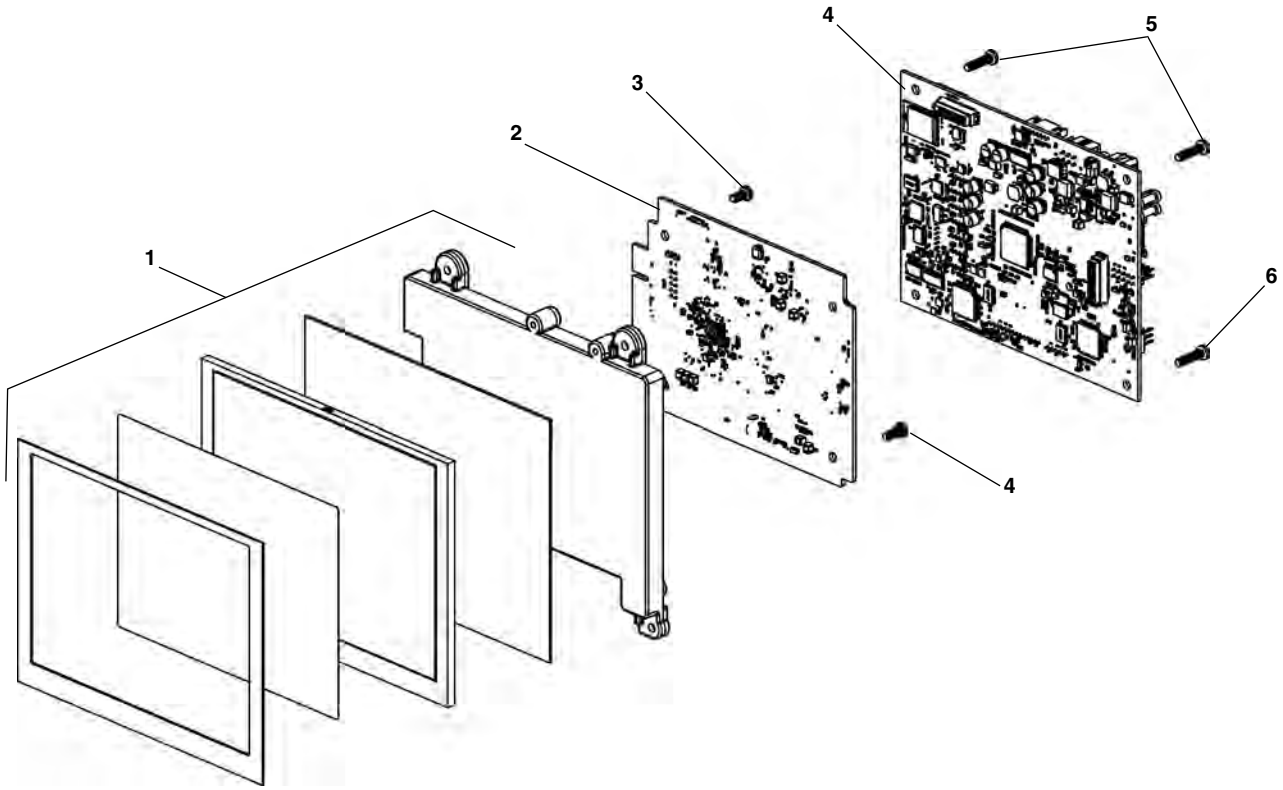
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	49043	Screw, #4-20 x ⅜" (4)
2	24288	Screw, #6 x ⅝" (2)
3	49048	Inner Lid Cover
4	49053	Sunhood
5	49078	Keypad W/Ribbon Cable
6	49063	Partition Circuit Board
7	34023	Housing Clip
8	49268	Lid Hinge Kit



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

Ref. No.	Catalog No.	Description
1	49158	Flat Washer (4)
2	33908	Screw #3-24 x ½" (4)
3	49163	Hex Nut ¼"-32
4	49168	Flat Washer
5	87247	Adhesive Clip (3)
6	49178	Rear Cover
7	49183	Battery Socket
8	33918	Ground Terminal
9	49118	Screw, #4 x ½" (4)
10	49188	Bulkhead Gasket
11	33848	Bulkhead

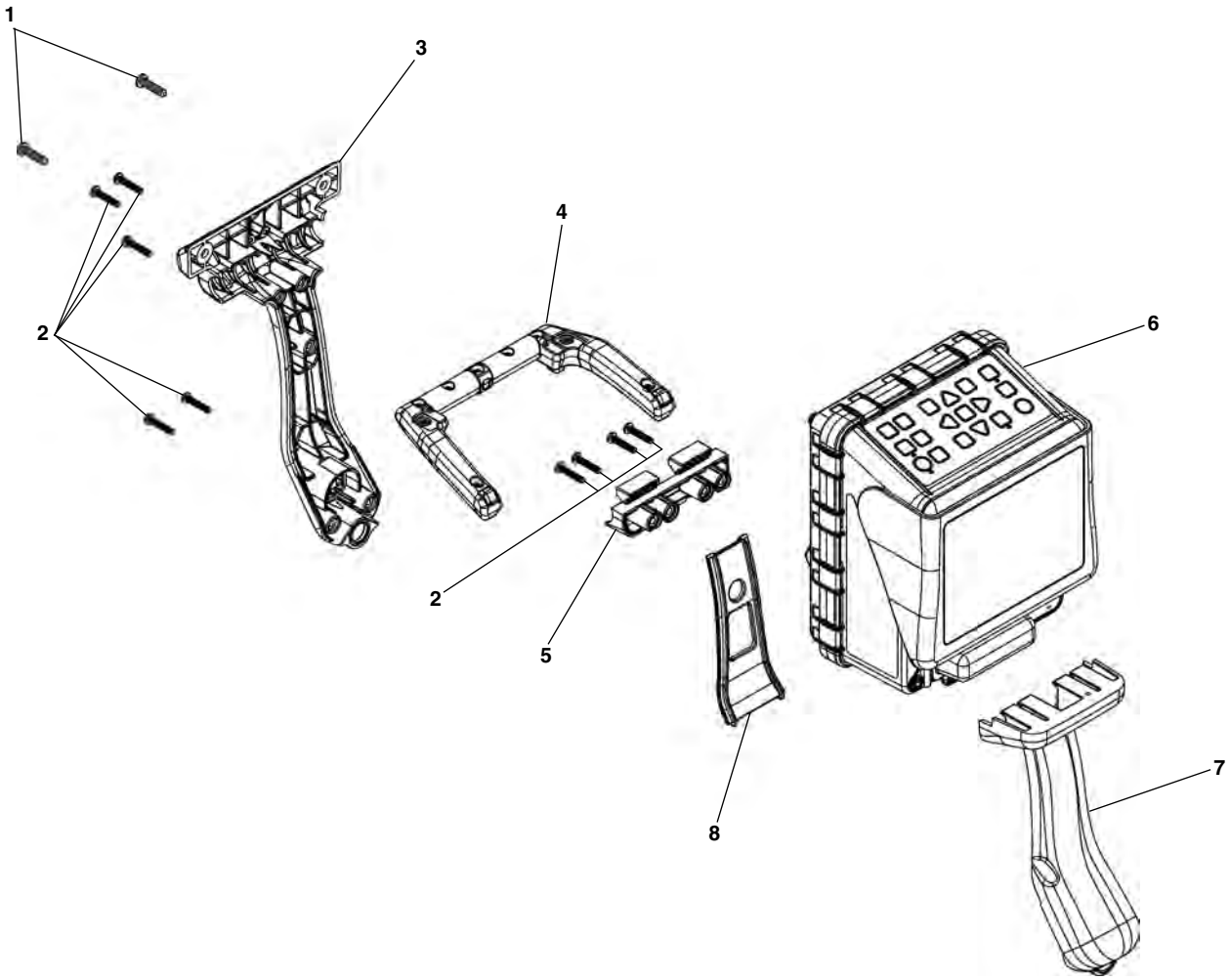


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1*	49198	LCD Assembly (Type 1)
	51798	LCD Assembly (Type 2)
2*†	49208	Processor Board
3	31343	Screw, #4 x ¼" (4)
4	49458	Camera Interface Board (Type 1 Only)
5	49118	Screw, #4 x ½" (4)
6		

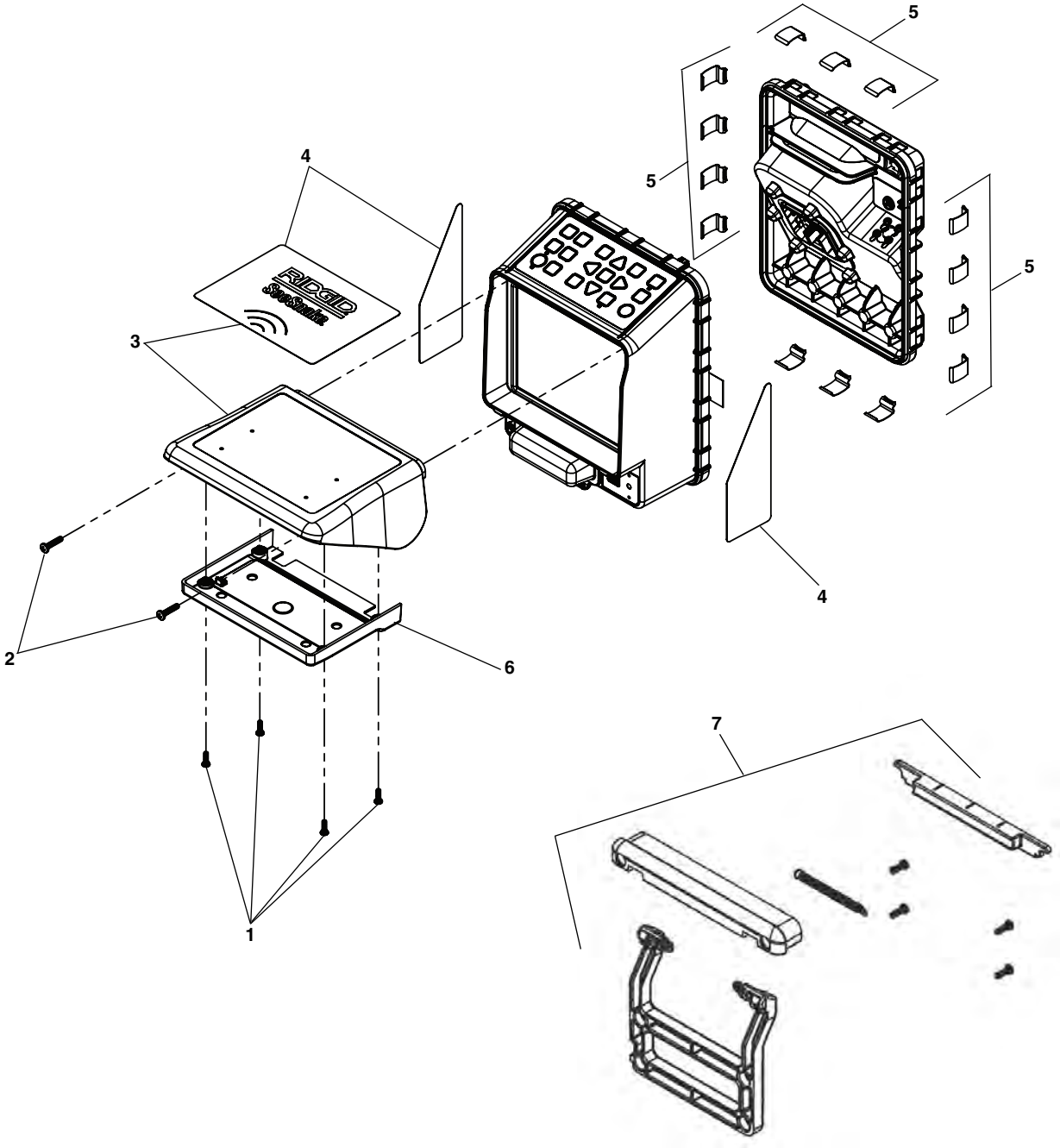
* LCD Mounting Plate For Type 1 LCD Has 5 Holes.
Type 2 Mounting Plate Has 4 Holes.

† Must Be Replaced By Factory Service Center.
Please Contact Ridge Tool Technical Service Dept. For LCD Removal Instructions.



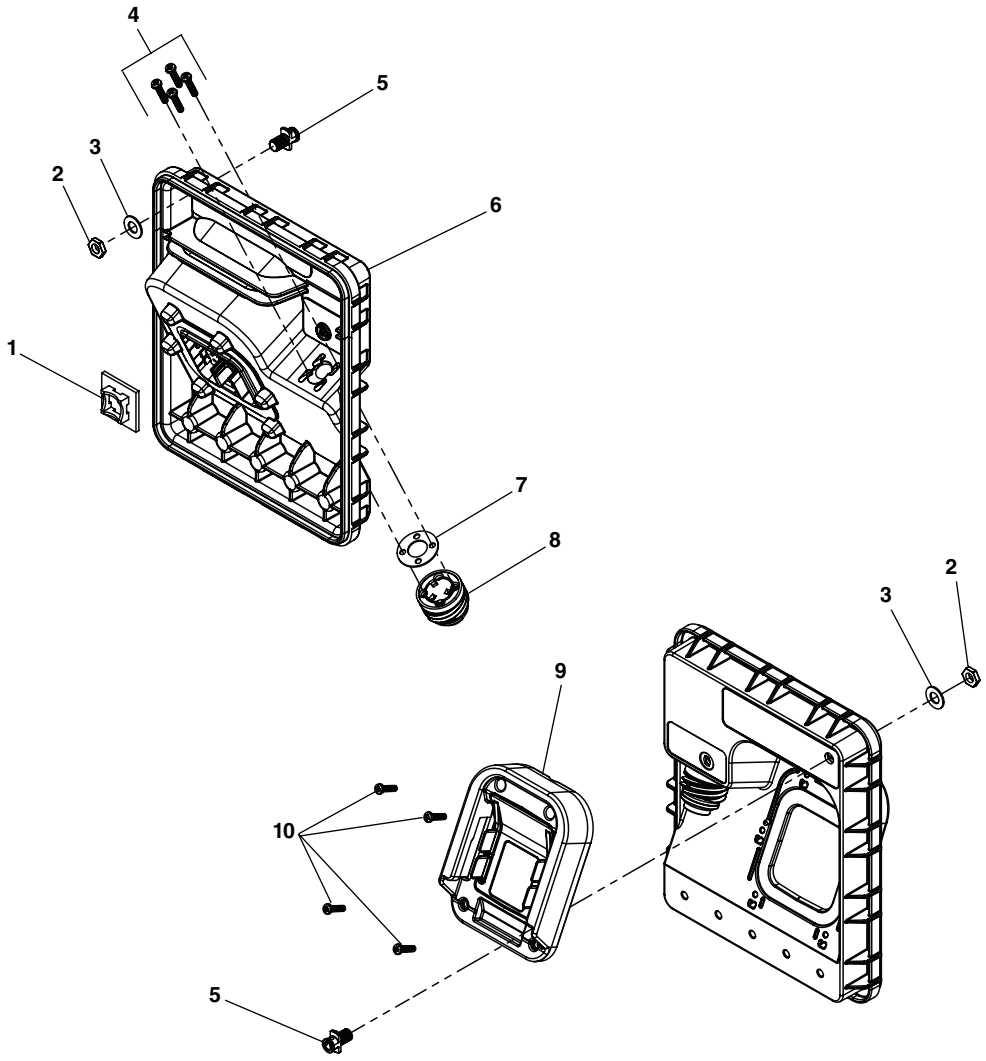
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	50048	Screw, #8 x ¾" (2)
2	24368	Screw, #6 x ¾" (9)
3	49133	Bottom Handle
4	49148	Kickstand
5	49138	Handle Clamp
6	49078	Keypad
7	49153	Top Handle (Incl Handle Weight)
8	49143	Handle Insert



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

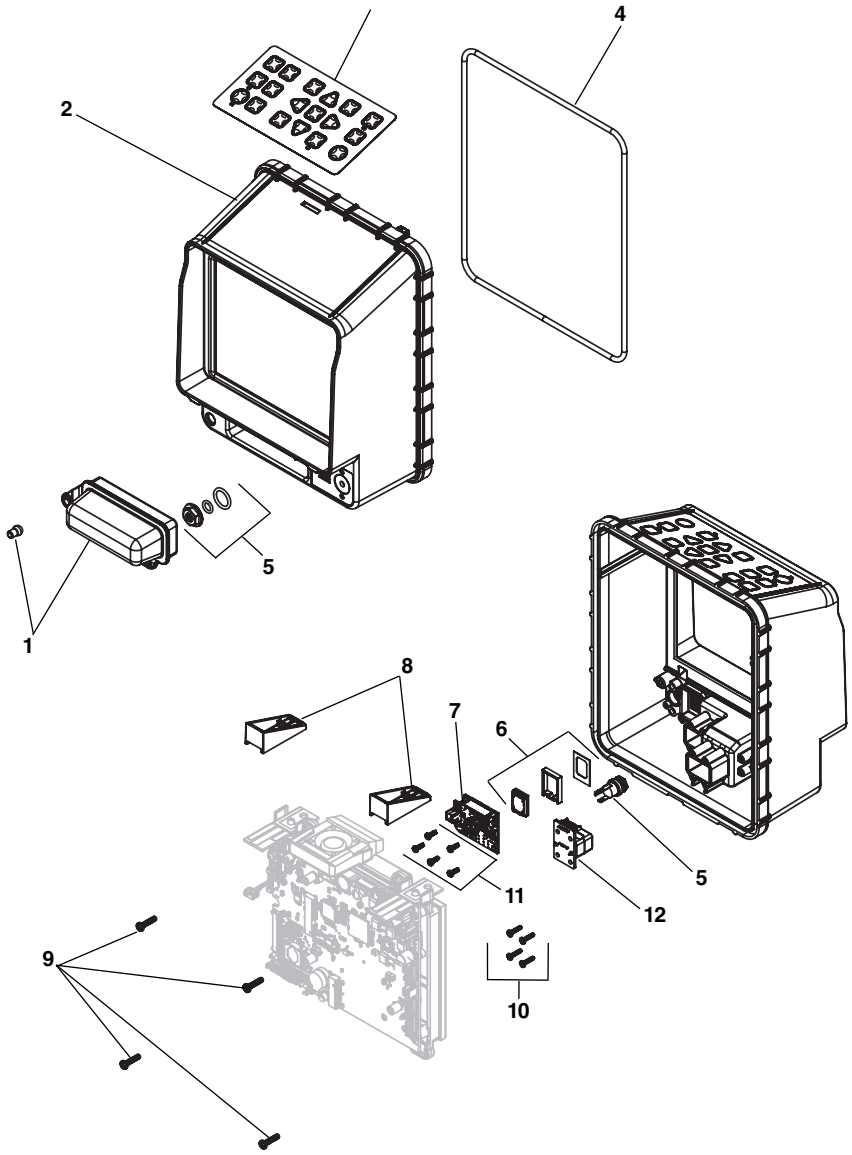
Ref. No.	Catalog No.	Description
1	49043	Screw, #4-20 X ⅜" (4)
2	35663	Screw, #6 X ⅝" (2)
3	59838	Sunhood
4	59833	Label Set
5	34023	Clip, Housing (14)
6	49048	Inner Lid Cover
7	49268	Lid Hinge Kit



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

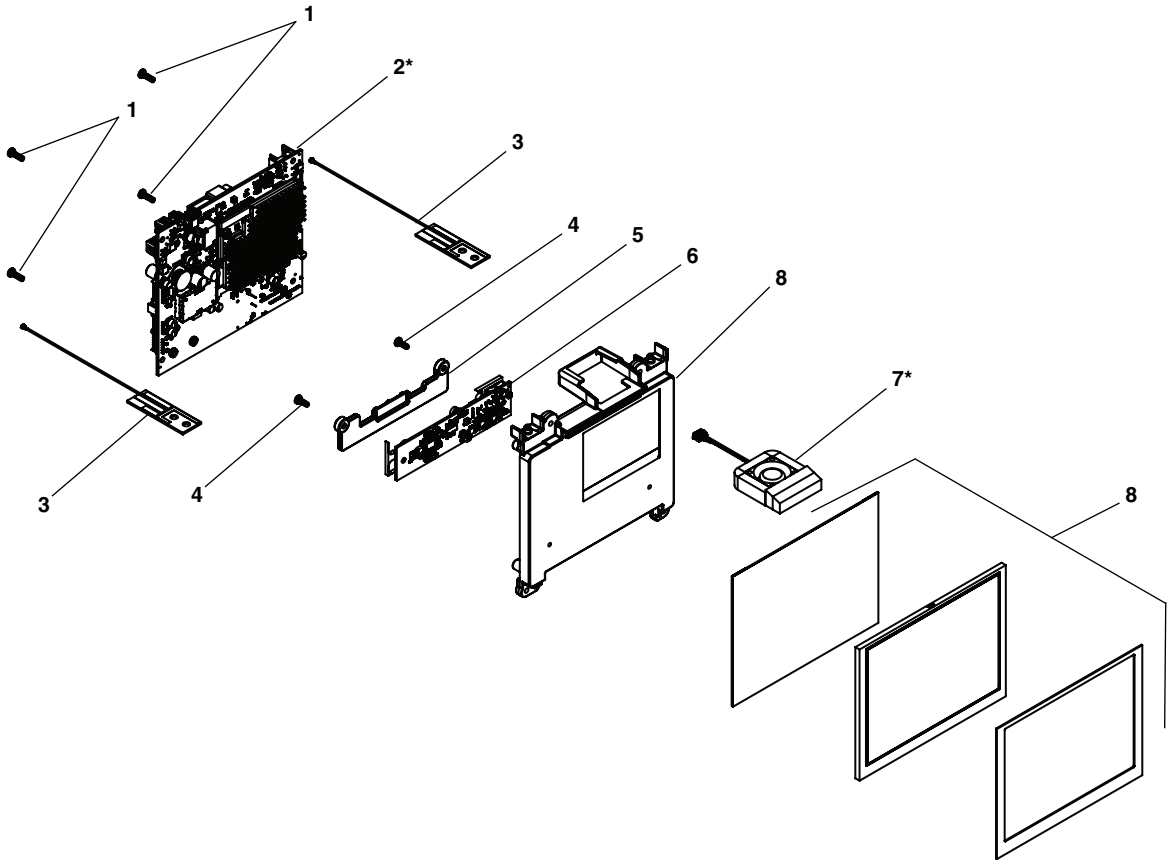
Ref. No.	Catalog No.	Description
1	61398	Tie Holder
2	49163	Hex Nut ¼"-32
3	49168	Flat Washer
4	52958	Screw, #4-20 X ⅝" (4)
5	33918	Ground Terminal
6*	59843	Rear Cover Asm (Incl Ref #'s 1-10)
7	49188	Bulkhead Gasket
8	33848	Bulkhead
9	59848	Battery Interface
10	49118	Screw, #4 X ½" (4)

* Internal Rear PCB Included (Not Pictured)



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

Ref. No.	Catalog No.	Description
1	49068	Front Connector Cover w/Pin
2	61423	Front Case (Less Keypad)
3	49078	Keypad
4	49083	Foam Seal
5	61413	DC Jack Asm
6	49088	Speaker Asm
7	49093	Audio PCB
8	60003	Wi-Fi Antenna Mount
9	49118	Screw, #4 X ½" (4)
10	52308	Screw, #2 X ⅜" (4)
11	32208	Screw, #2-28 X ¼" (5)
12	59863	USB Connector PCB

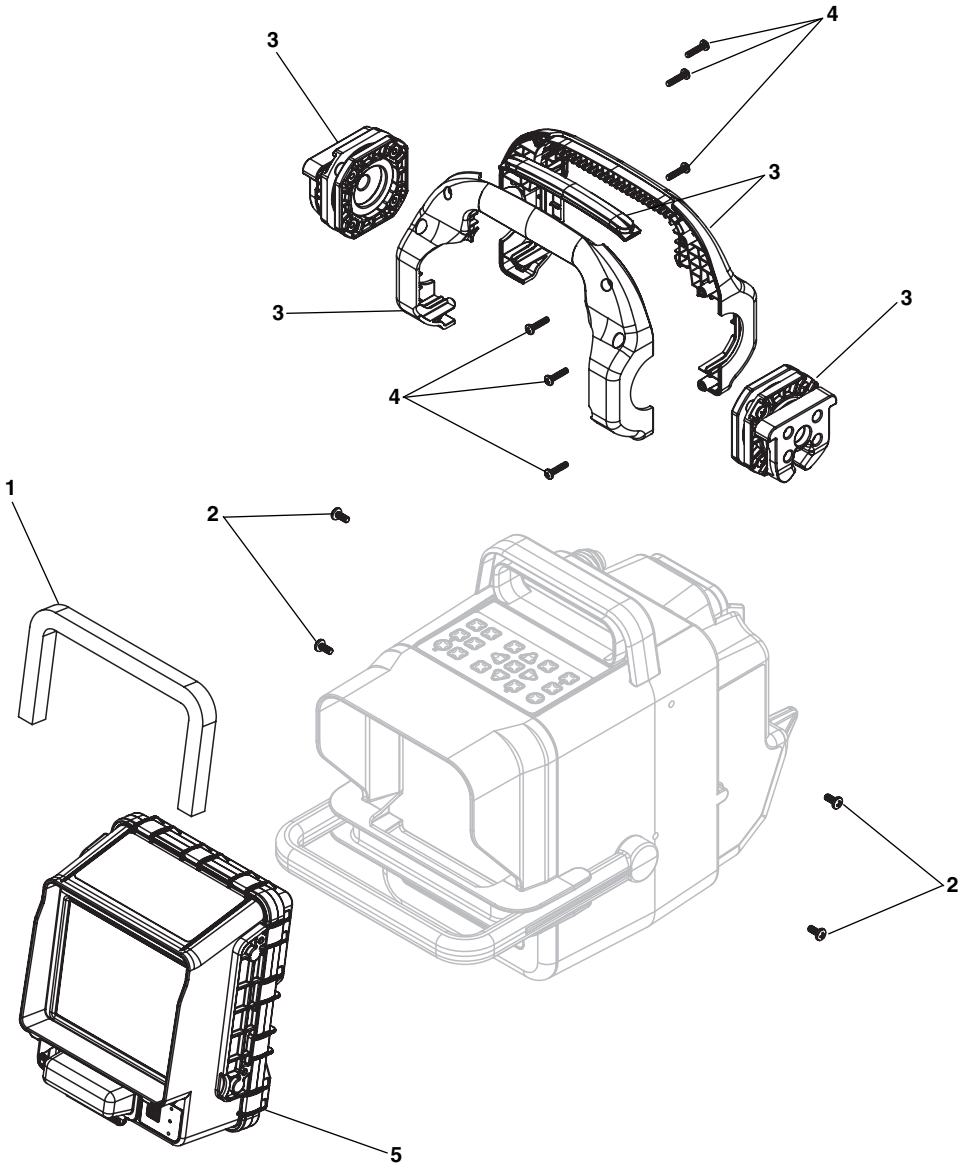


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	24553	Screw #4-20 X ⅜" (4)
2*	60763	Main PCB
3	61428	WI-Fi Antenna (2)
4	61448	Screw, #4-20 X 5/16" (2)
5	55813	LCD Connector Clamp
6	61433	LCD Interface PCB
7*	61443	Cooling Fan Rev A
	62398	Cooling Fan Rev B
8	60373	LCD Asm

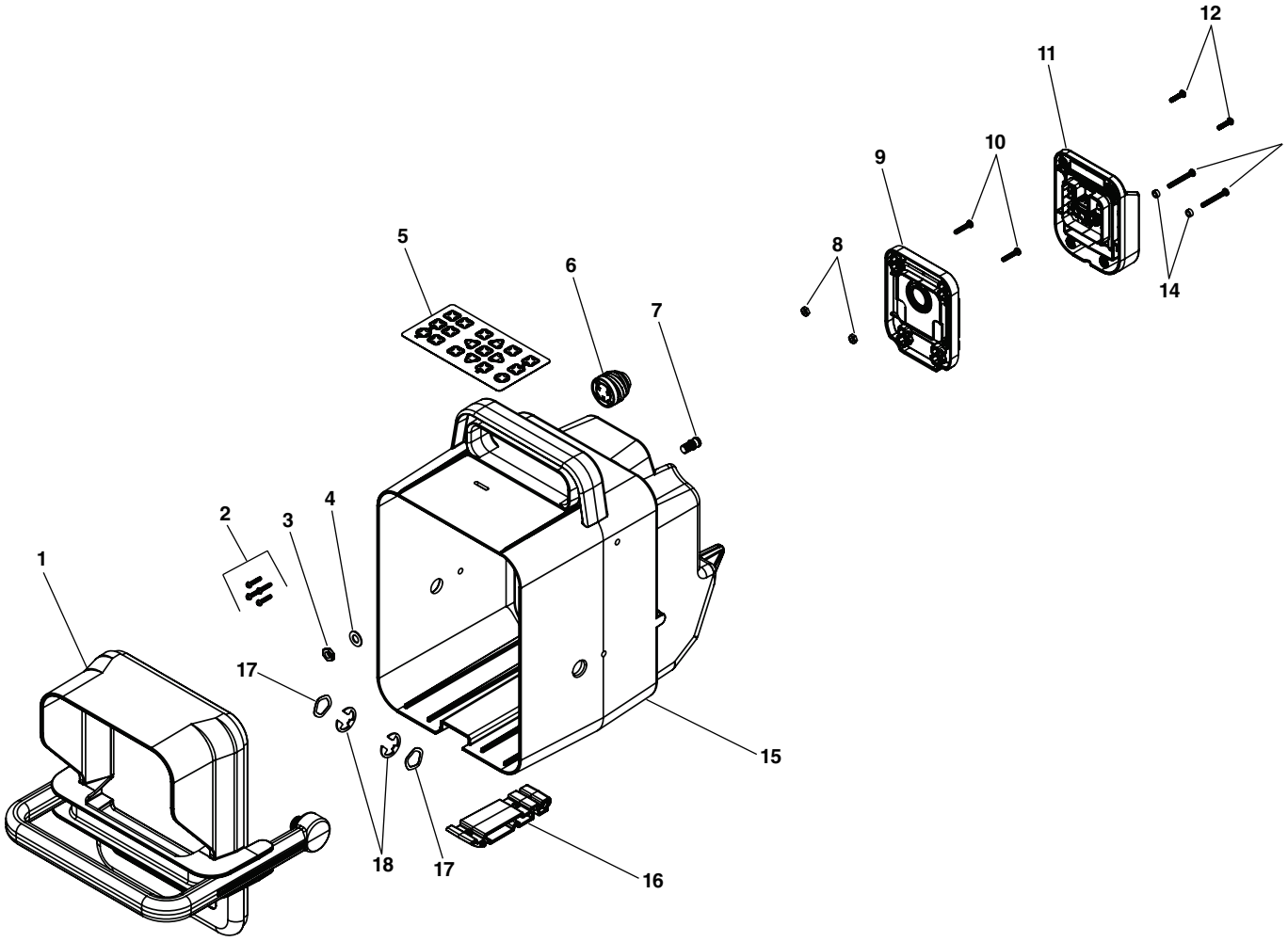
* Must Be Programmed At Factory

* To Determine If Rev A or Rev B Cooling Fan Is Required, Look For Rev Letter On Main PCB



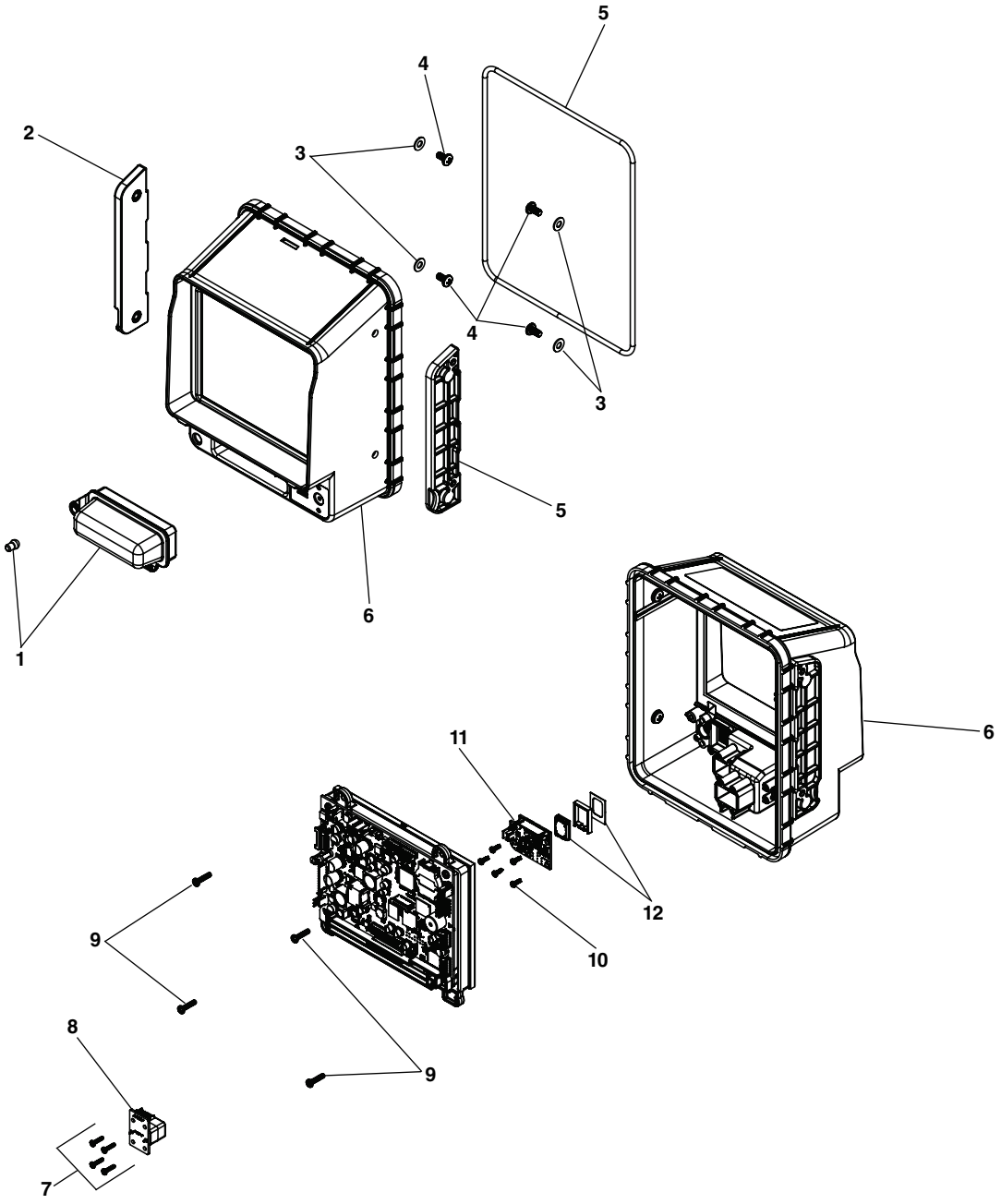
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	52408	Internal Foam Seal
2	33268	Screw, #8-32 x ⅜" (4)
3	48143	Handle Asm (Incl. Ref #4)
4	24288	Screw, #6 x ⅝" (6)
5	52318	Front Case Only



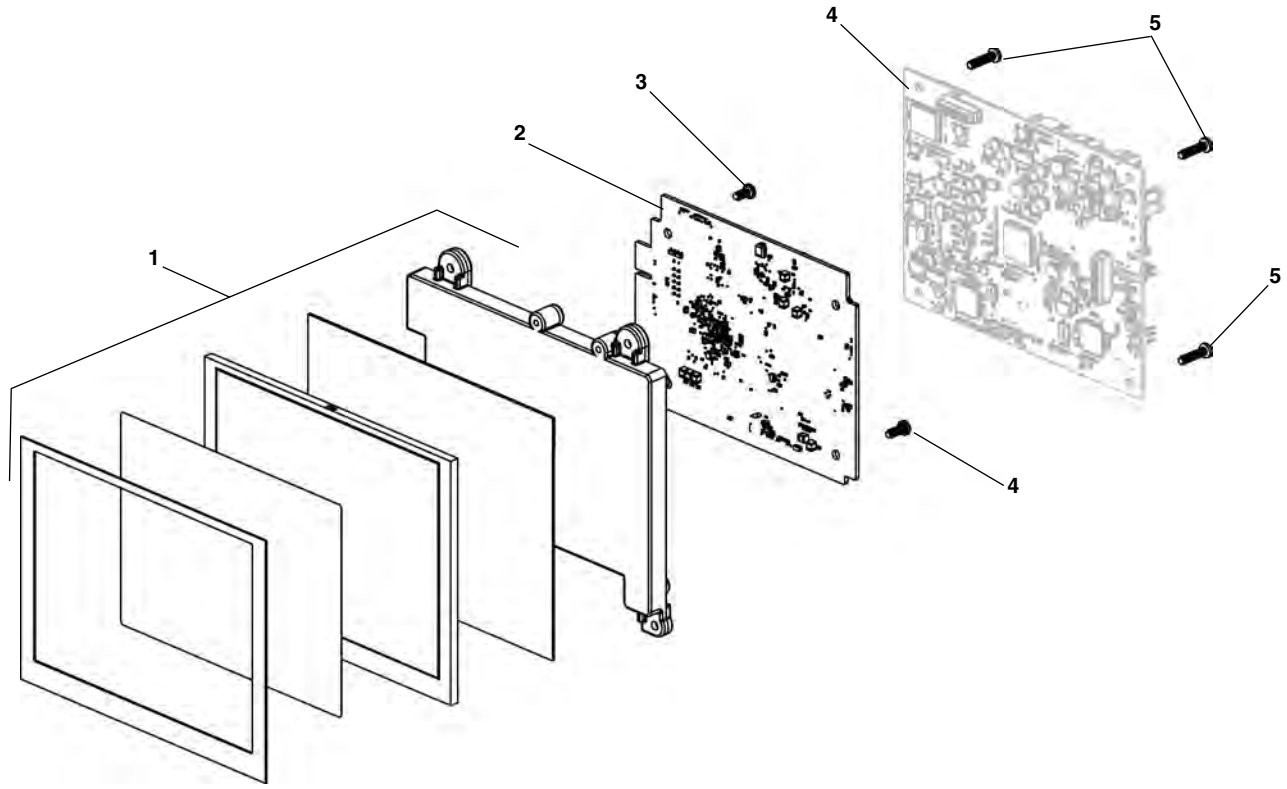
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	52403	Lid & Kickstand Asm.
2	33908	Screw, #3-24 x ½" (4)
3	49163	Nut
4	49168	Flat Washer
5	49078	Keypad
6	33848	Bulkhead
7	34163	Ground Terminal
8	91767	Hex Nut (2)
9	52418	Battery Plate
10	52958	Screw, #4-20 x ½" (2)
11	49183	Battery Socket
12	52953	Screw, #4-40 x ½" (2)
13	52963	Screw, #4-20 x 1" (2)
14	52968	Washer (2)
15	52323	Rear Case Asm
16	34148	Ratchet Kickstand
17	34118	Wave Washer (2)
18	34113	Retaining Ring (2)



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

Ref. No.	Catalog No.	Description
1	49068	Front Connector Cover W/Pin
2	55343	Left Mount Bracket
3	55638	Washer
4	55633	Screw #8-32 x 5/16" (4)
5	49083	Foam Seal
6	52318	Front Cover Asm (Incl #'s 1-5,7, 8, 10, 11, 12)
7	52308	Screw, #2 x 3/8" (4)
8	49278	USB Connector Board
9	49118	Screw, #4 x 1/2" (4)
10	32208	Screw, #2 x 1/4" (5)
11	49093	Audio PCB Asm.
12	49088	Speaker Asm.

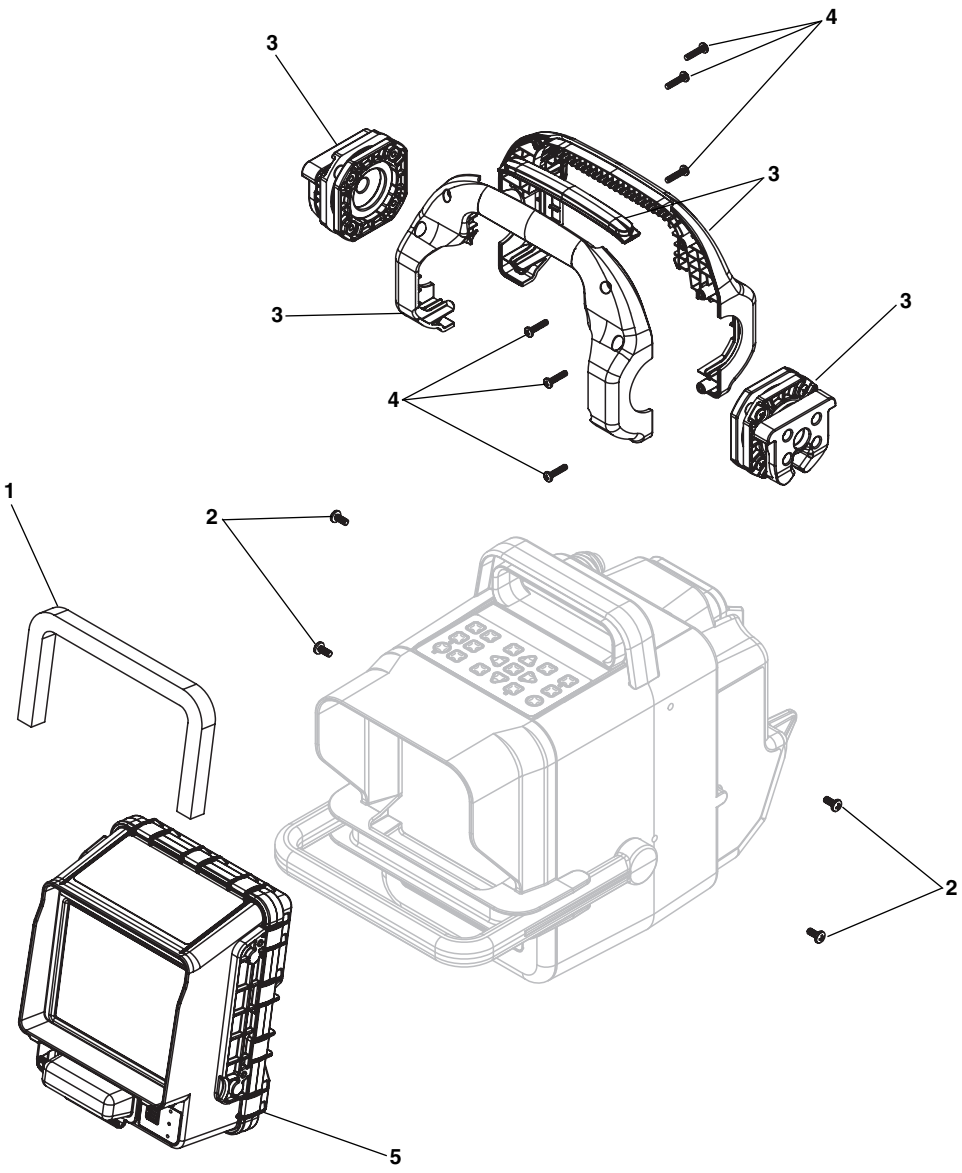


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1*	49198	LCD Assembly (Type 1)
	51798	LCD Assembly (Type 2)
2*	49208	Processor Board (Type 1)
	54668	Processor Board (Type 2)
3	31343	Screw, #4 x ¼" (4)
4	54663	Camera Interface Board (Type 1 Only)
5	49118	Screw, #4 x ½" (4)
FOLLOWING ITEM NOT SHOWN		
	55813	LCD Connector Clamp

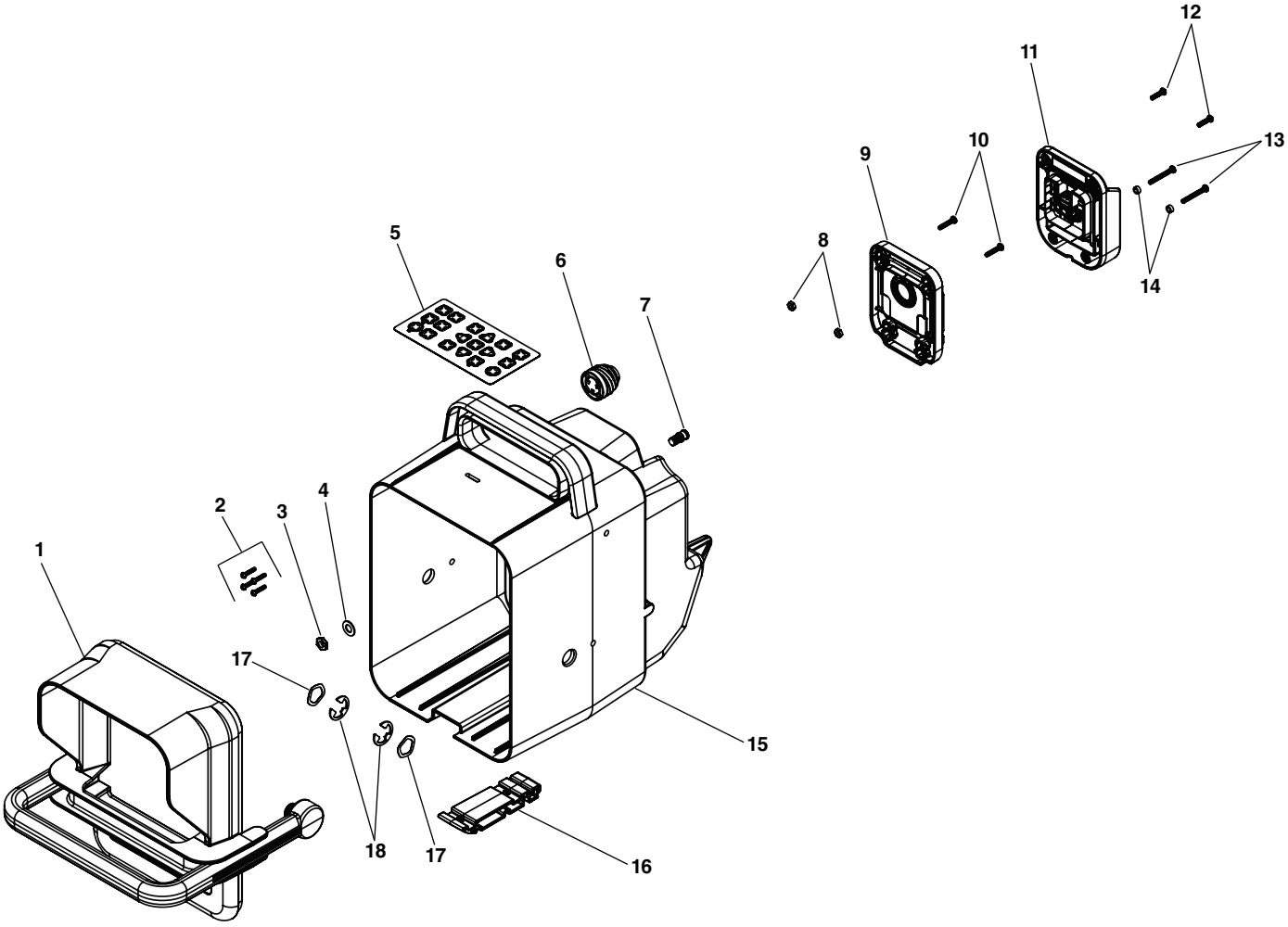
* LCD Mounting Plate For Type 1 LCD Has 5 Holes.
Type 2 Mounting Plate Has 4 Holes.

Processor Board Must Be Replaced At Factory Service Center



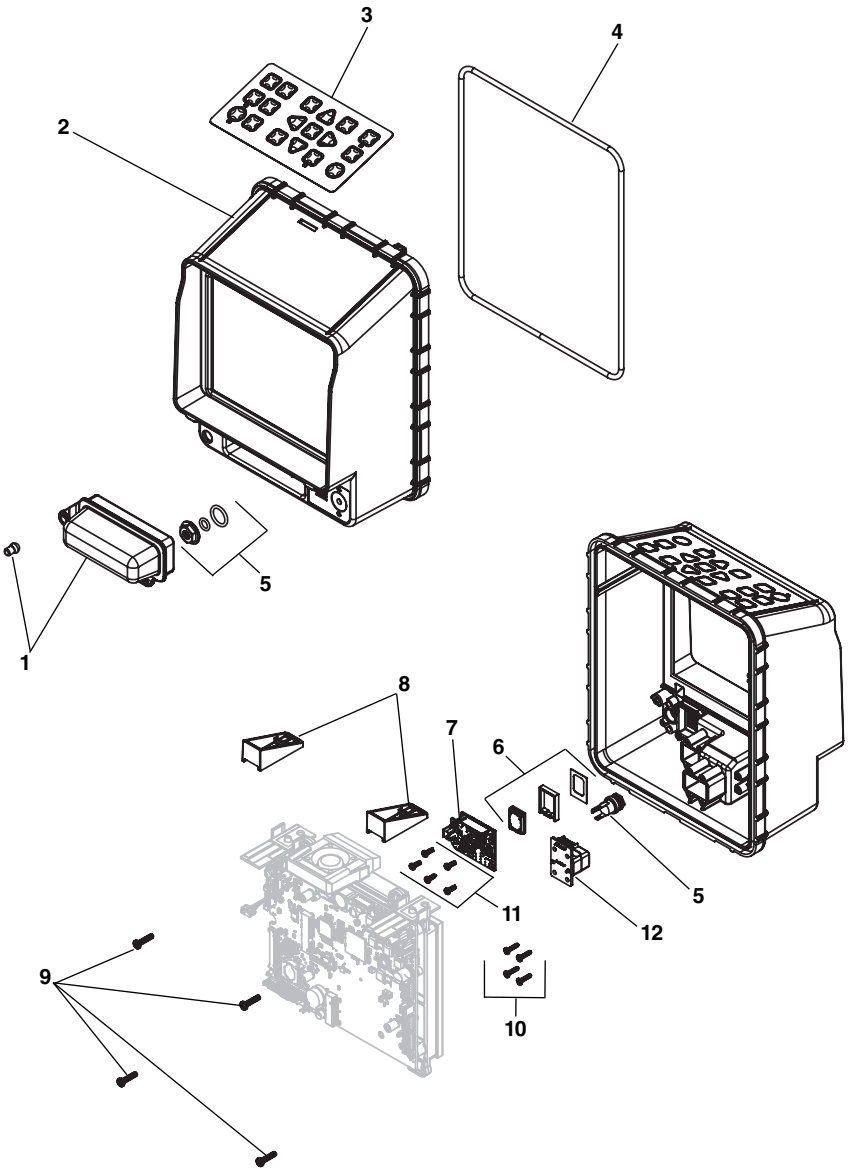
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	52408	Internal Foam Seal
2	33268	Screw, #8-32 x ⅜" (4)
3	48143	Handle Asm (Incl. Ref #4)
4	24288	Screw, #6 x ⅝" (6)
5	52318	Front Case Only



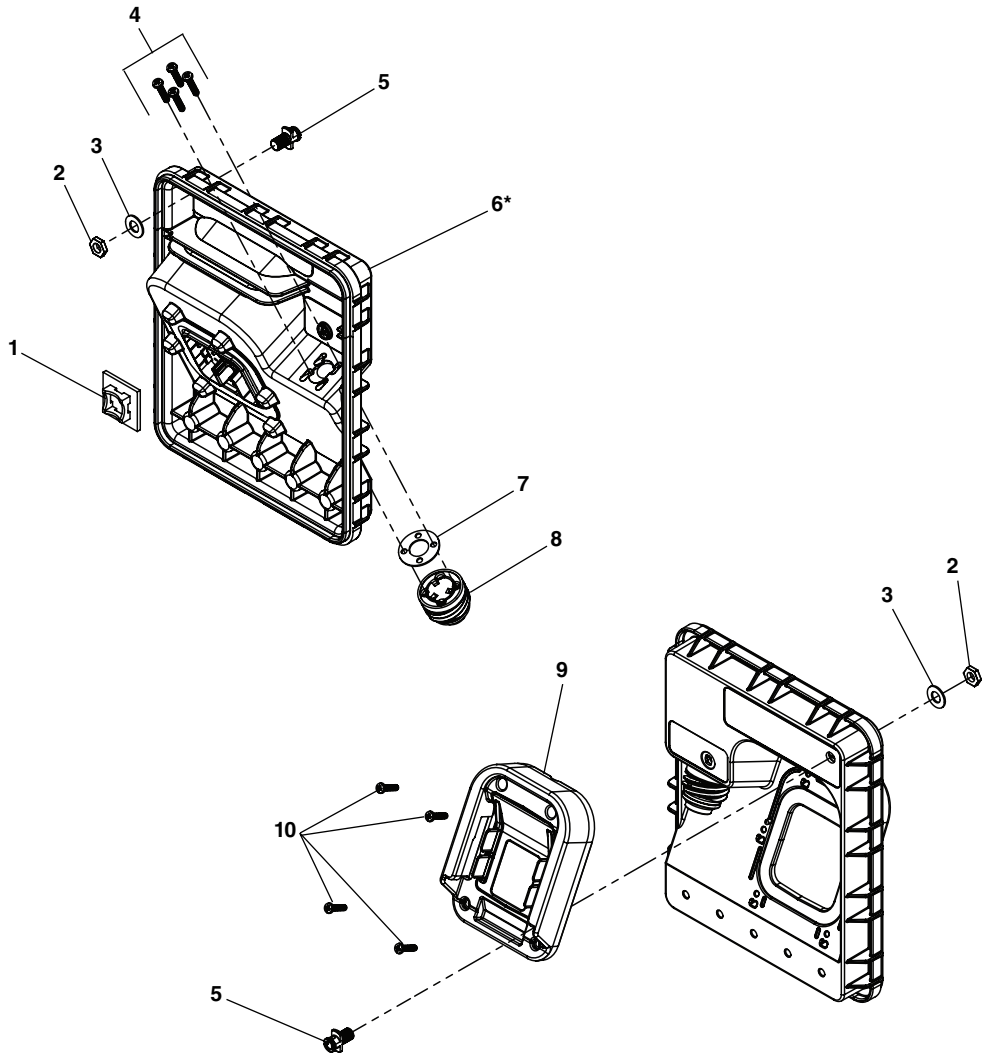
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	52403	Lid & Kickstand Asm.
2	33908	Screw, #3-24 x ½" (4)
3	49163	Nut
4	49168	Flat Washer
5	49078	Keypad
6	33848	Bulkhead
7	34163	Ground Terminal
8	91767	Hex Nut (2)
9	52418	Battery Plate
10	52958	Screw, #4-20 x ½" (2)
11	59848	Battery Socket
12	52953	Screw, #4-40 x ½" (2)
13	52963	Screw, #4-20 x 1" (2)
14	52968	Washer (2)
15	52323	Rear Case Asm
16	34148	Ratchet Kickstand
17	34118	Wave Washer (2)
18	34113	Retaining Ring (2)
Item Not Shown		
	63893	Rear Interconnect Board



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

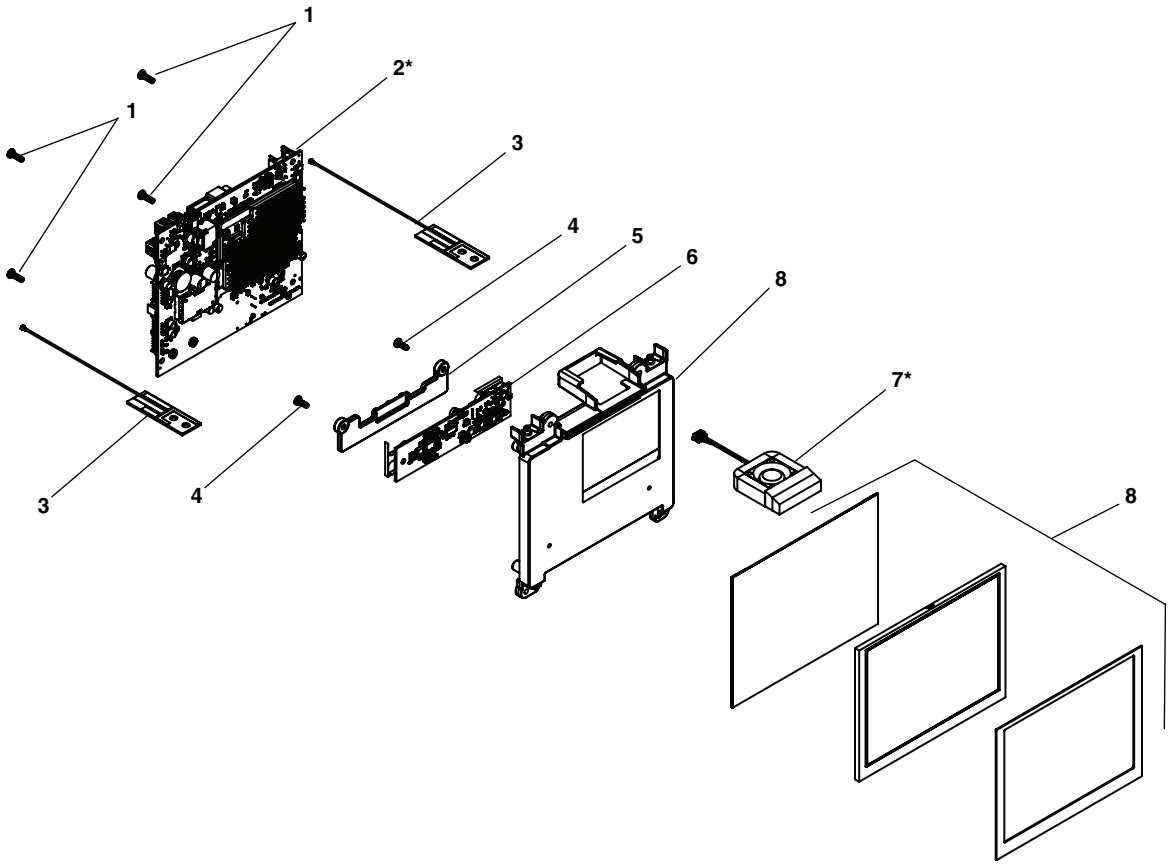
Ref. No.	Catalog No.	Description
1	49068	Front Connector Cover w/Pin
2	61423	Front Case (Less Keypad)
3	49078	Keypad
4	49083	Foam Seal
5	61413	DC Jack Asm
6	49088	Speaker Asm
7	49093	Audio PCB
8	60003	Wi-Fi Antenna Mount
9	49118	Screw, #4 X ½" (4)
10	52308	Screw, #2 X ⅜" (4)
11	32208	Screw, #2-28 X ¼" (5)
12	59863	USB Connector PCB



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

Ref. No.	Catalog No.	Description
1	61398	Tie Holder
2	49163	Hex Nut ¼"-32
3	49168	Flat Washer
4	52958	Screw, #4-20 X ⅝" (4)
5	33918	Ground Terminal
6*	59843	Rear Cover Asm (Incl Ref #'s 1-10)
7	49188	Bulkhead Gasket
8	33848	Bulkhead
9	59848	Battery Interface
10	49118	Screw, #4 X ½" (4)

* Internal Rear PCB Included (Not Pictured)

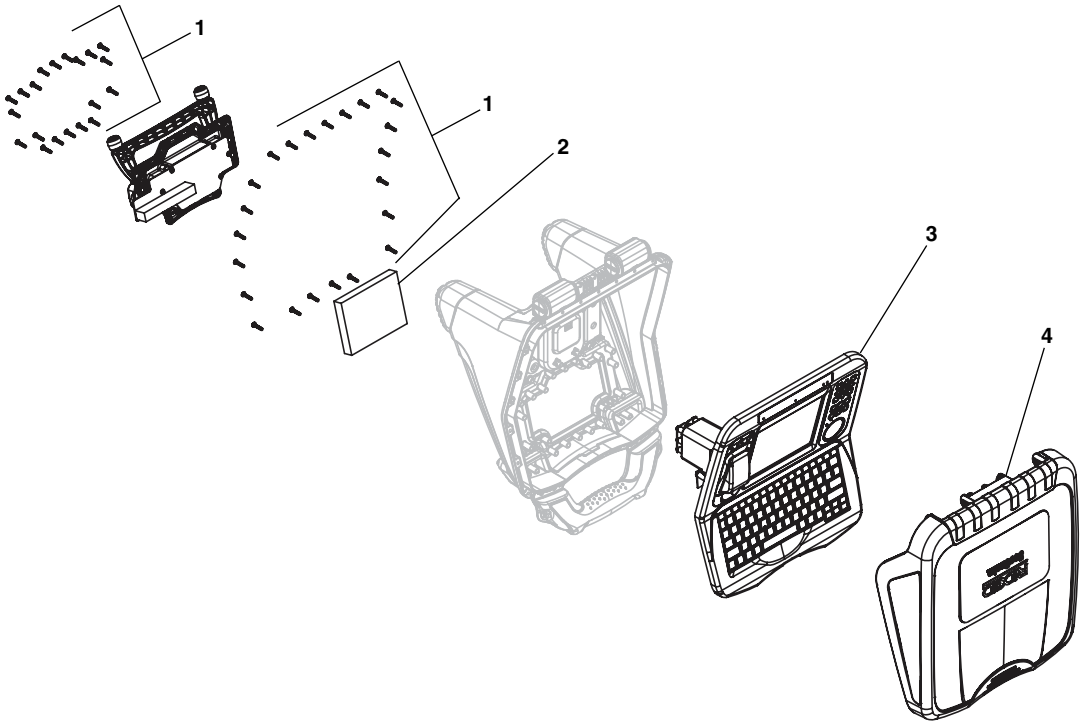


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	24553	Screw #4-20 X ⅜" (4)
2*	60763	Main PCB
3	61428	WI-Fi Antenna (2)
4	61448	Screw, #4-20 X 5/16" (2)
5	55813	LCD Connector Clamp
6	61433	LCD Interface PCB
7*	61443	Cooling Fan Rev A
	62398	Cooling Fan Rev B
8	60373	LCD Asm

* Must Be Programmed At Factory

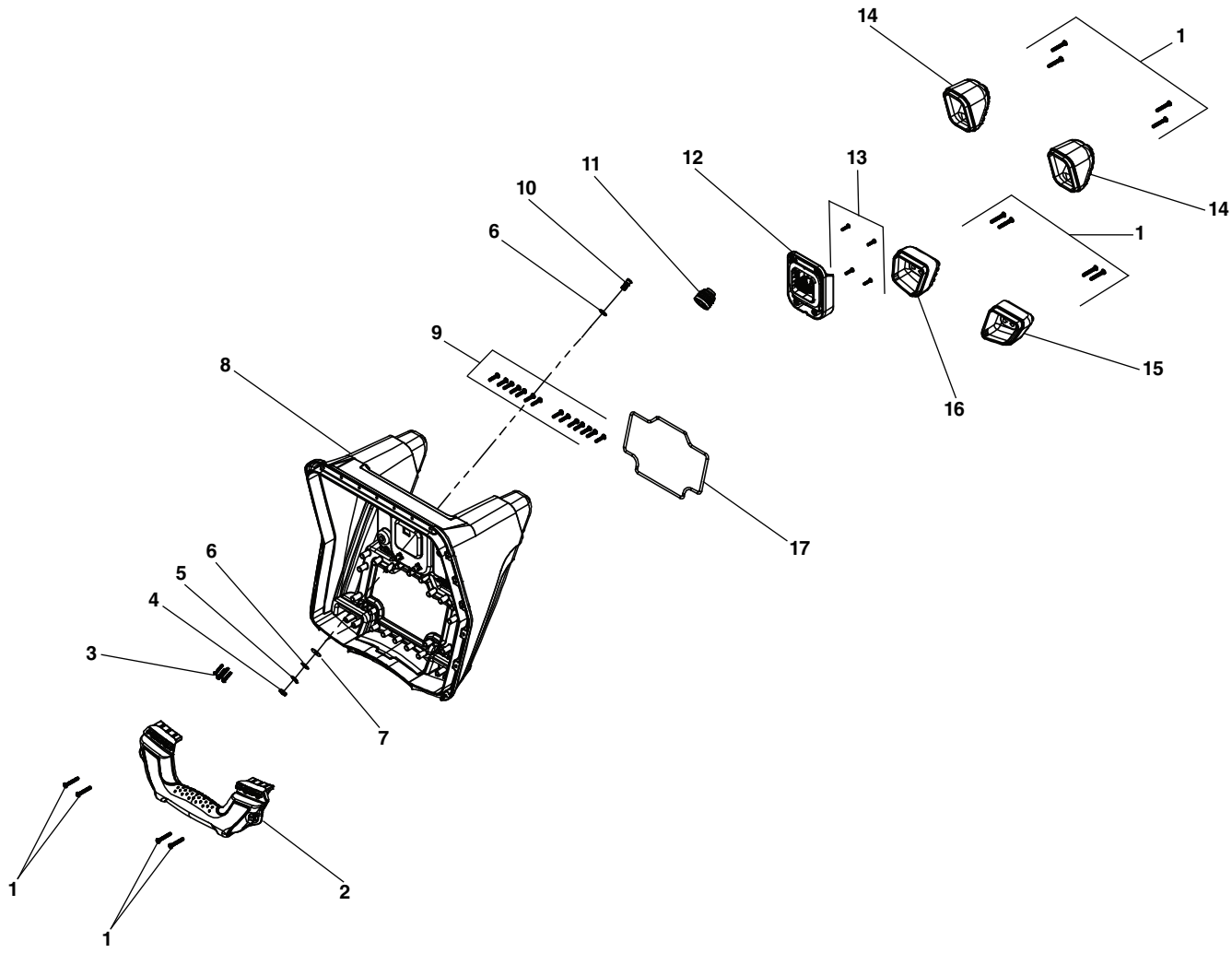
* To Determine If Rev A or Rev B Cooling Fan Is Required, Look For Rev Letter On Main PCB



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

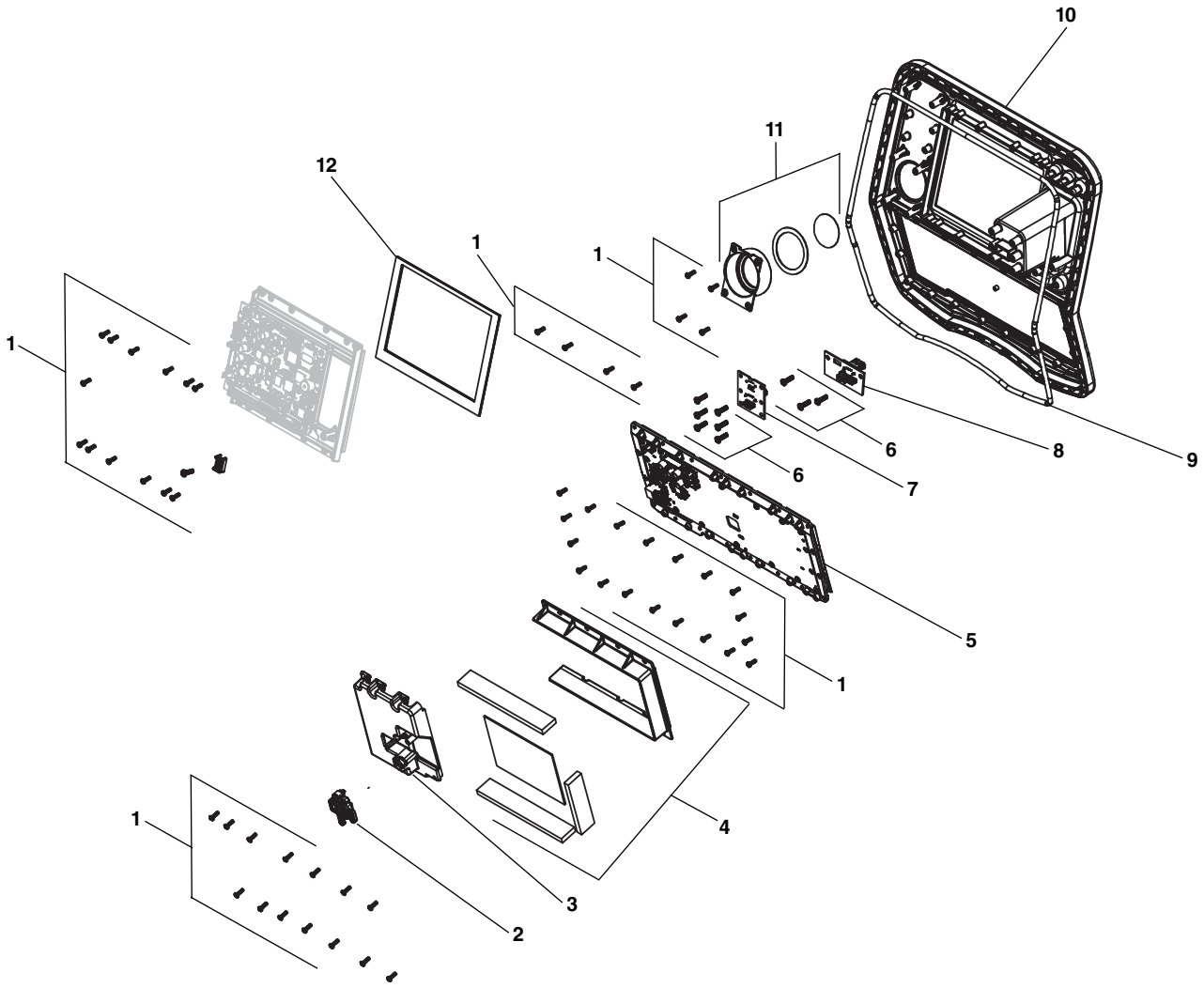
Ref. No.	Catalog No.	Description
1	35663	Screw, #6 x ⅝"
2*	N/A	1 TB Hard Drive
3	56283	Top Panel Asm Less/Keyboard
4	56288	Cover Asm

*1 TB Hard Drive Not Provided By RTC Universally Available:
See Owner's Manual For Details



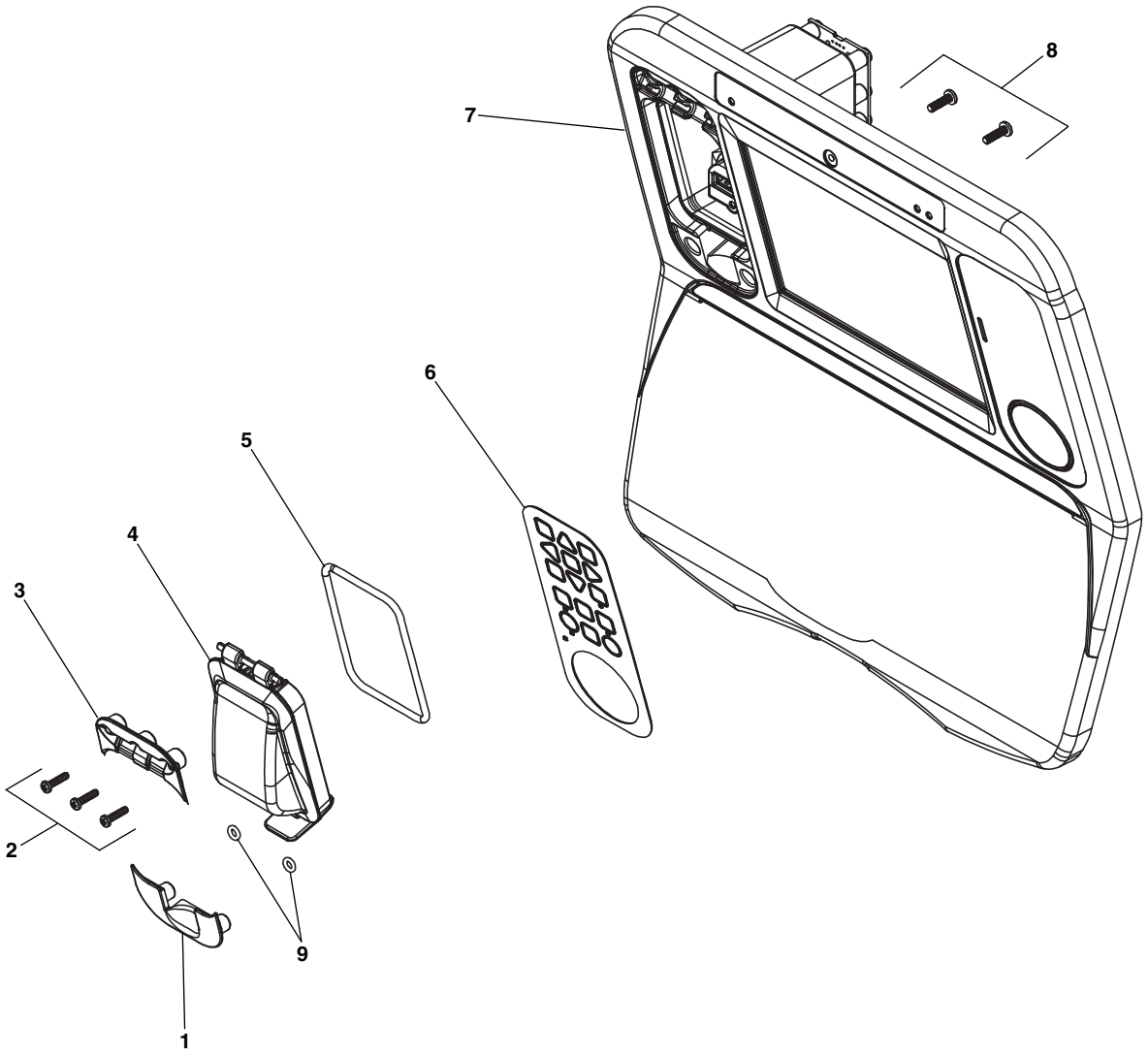
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	56293	Screw, #6 x 1" (12)
2	56298	Handle Asm
3	33908	Screw, #3-24 x ½" (4)
4	49163	Nut, ¼"-32
5	56303	Line Trace Cable
6	49168	¼" Flat Washer
7	56308	Flat Washer (Neoprene)
8	56313	Bottom Case
9	35663	Screw, #6 x ⅝" (14)
10	33918	Ground Terminal
11	33848	Bulkhead Connector
12	49183	Battery Socket Asm
13	49118	Screw, #4 x ½" (4)
14	56318	Rear Foot (2)
15	56323	Front Right Foot
16	56328	Front Left Foot
17	56333	Access Cover Gasket



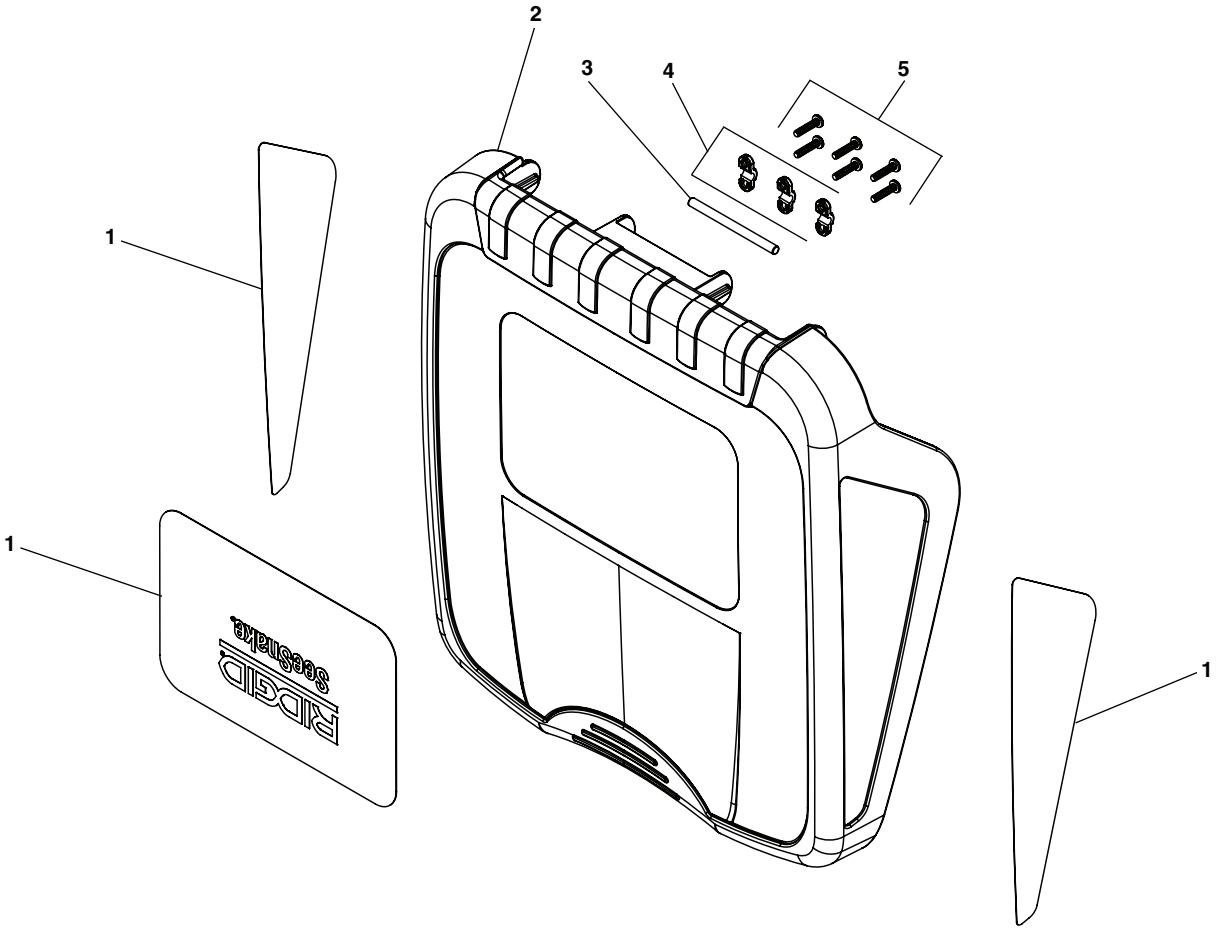
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	24553	Screw, #4-20 x ⅜" (54)
2	56353	USB Retainer Strap
3	56358	PCB Cover
4	56363	Hard Drive Guard w/Foam
5	56368	Keyboard Asm
6	97177	Screw, #6 x ½" (12)
7	56373	Circuit Board USB-A
8	56378	Connector Board
9	56383	Housing Gasket
10	56388	Top Plate Asm w/Keypad
11	56393	Housing Plug Asm
12	56398	LCD Spacer Seal



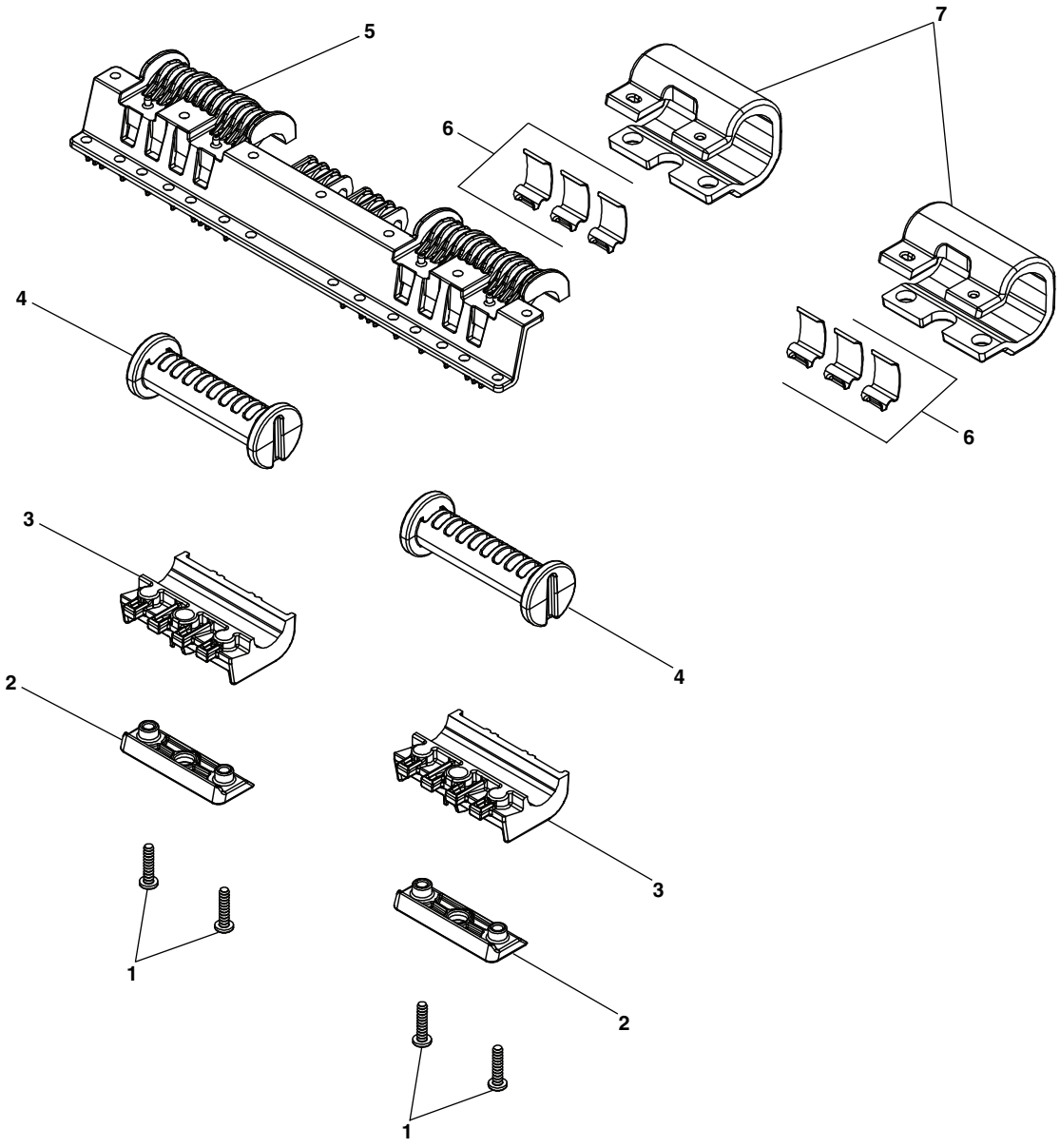
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	56423	Latch Strike
2	49118	Screw, #4 x ½" (3)
3	56428	Hinge Cover Retainer
4	56448	USB Cover
5	56433	USB Compartment Gasket
6	56253	Keypad
7	56283	Top Panel Less Keyboard
8	97177	Screw, #6 x ½" (2)
9	35608	O-Ring (2)



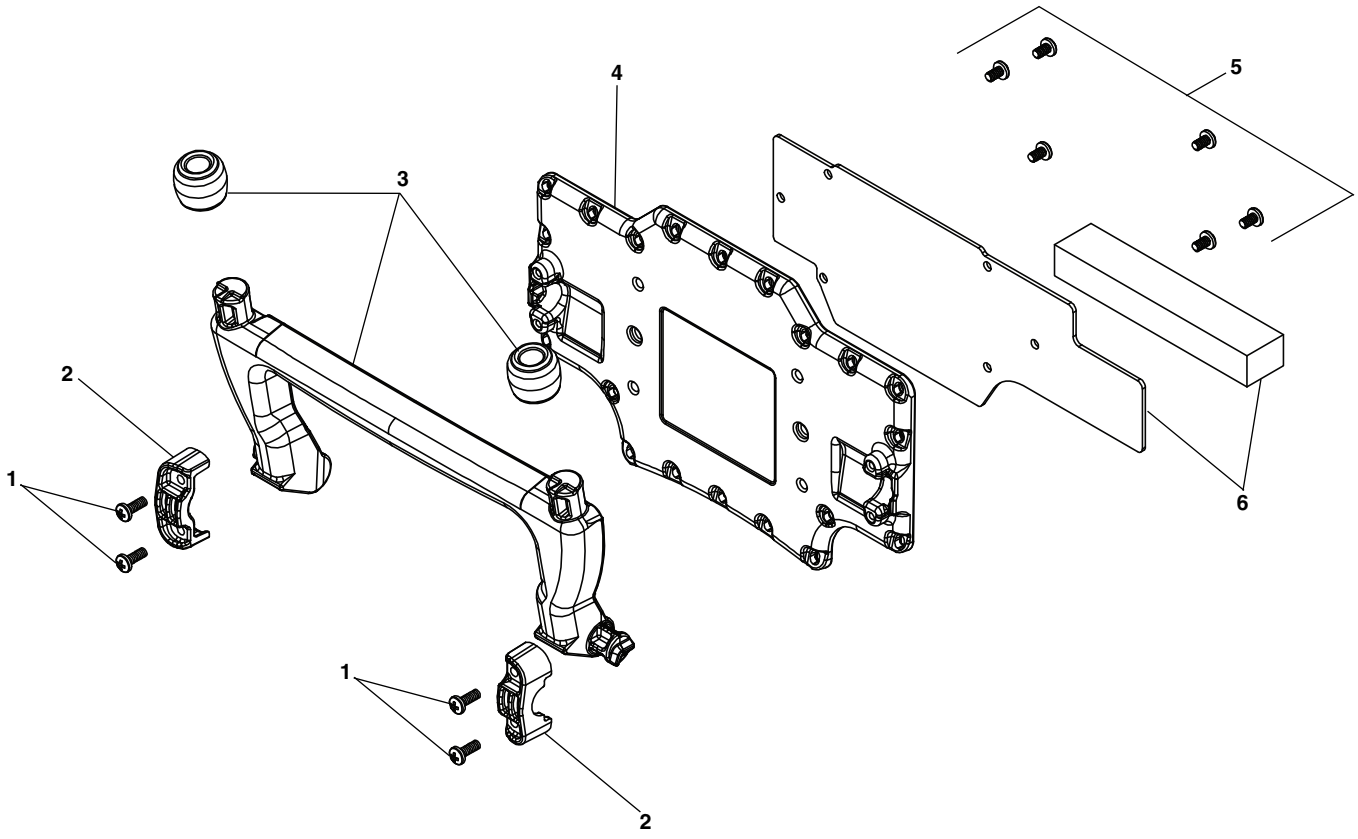
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	56453	Decal Set
2	56288	Cover w/Decals
3	56458	Hinge Pin
4	56463	Hinge Pin Retainers (3)
5	35663	Screw, #6 x ⅝" (6)



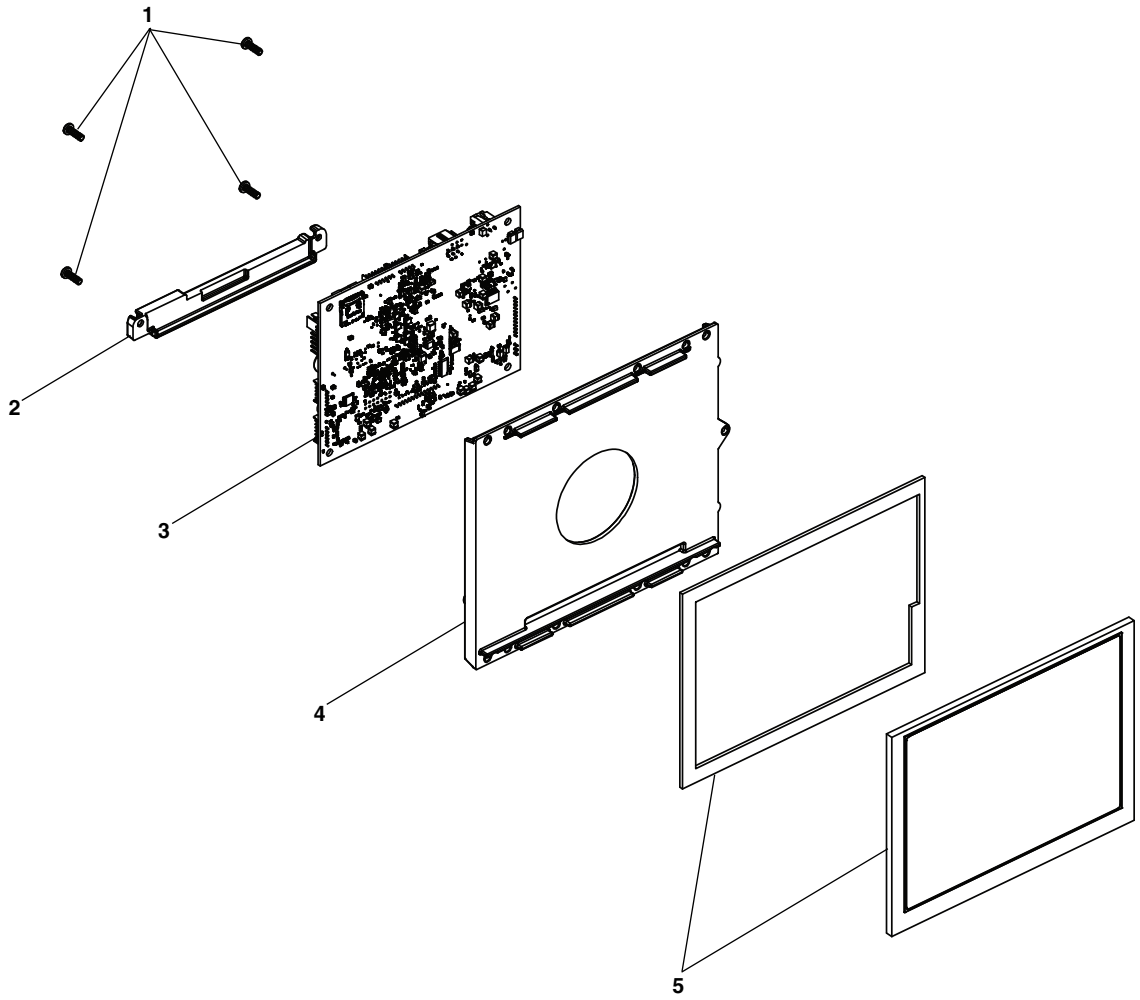
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	35663	Screw, #3 x 5/8"
2	56258	Bumper Retainer (2)
3	56263	Torsion Bar Retainer (2)
4	56268	Torsion Rod (2)
5	56273	Hinge Plate
6	34023	Clip (6)
7	56553	Hinge Bumper (2)



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

Ref. No.	Catalog No.	Description
1	56233	Screw, #6-32 x ¼" (6)
2	53718	Kickstand Retainer
3	53713	Kickstand Assembly
4	56238	Access Cover
5	92662	Screw, #6-32 x ⅜" (4)
6	56243	Blank PCB w/Foam Pad

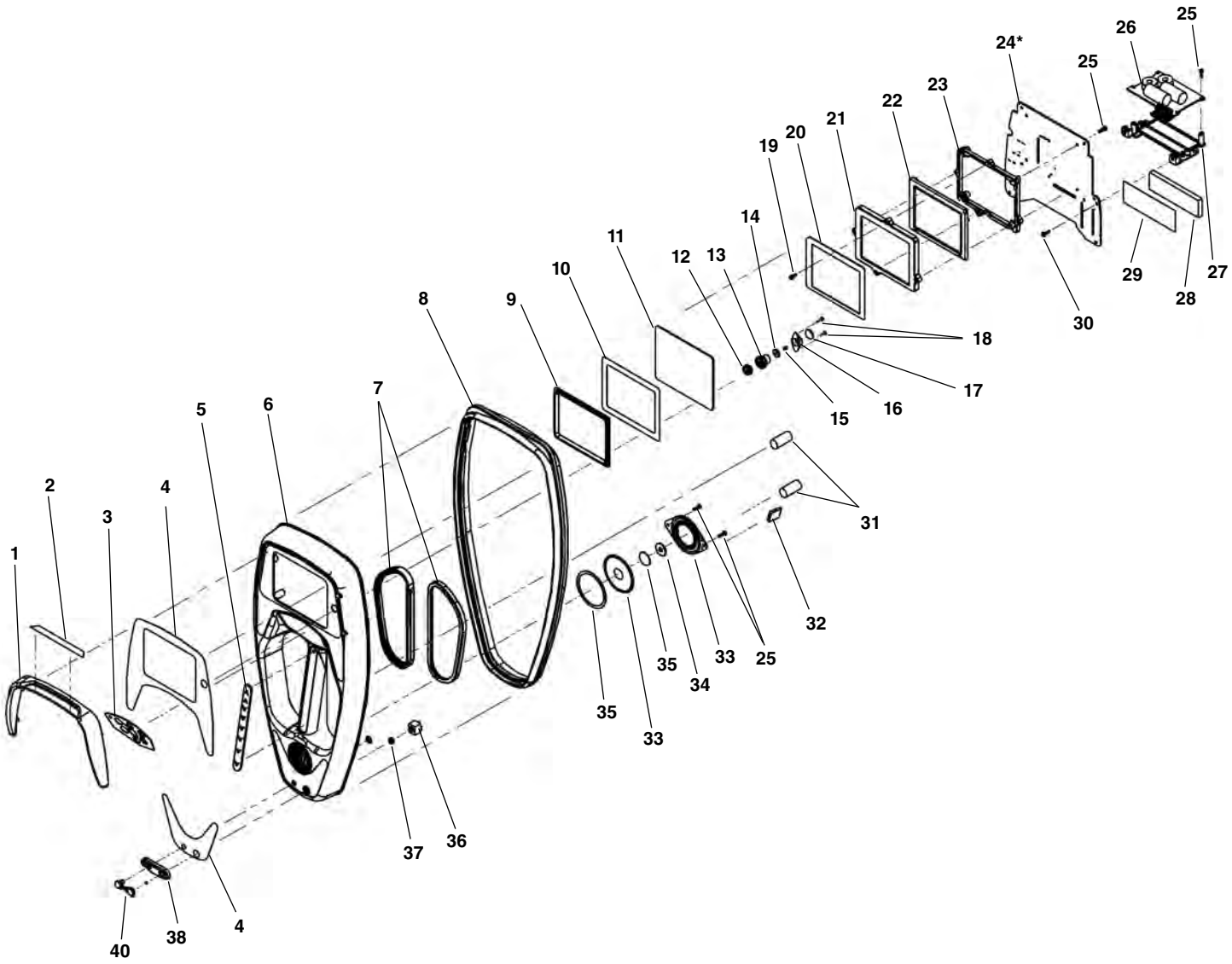


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	24553	Screw, #4-20 x ⅜" (4)
2	55813	LCD Connector Clamp
3*	54668	Processor Board (Type 2)
	49208	Processor Board (Type 1)
4	56248	LCD Mount
5**	55678	LCD (Type 2)
	55673	LCD (Type 1)
Following Item Not Shown		
	54663	CIU Board (Type 1 Only)

*Board Must Be Replaced By Factory

**When Replacing LCD, Determine Whether Unit Has Early Style Double Board Configuration Or Current Single Board Design

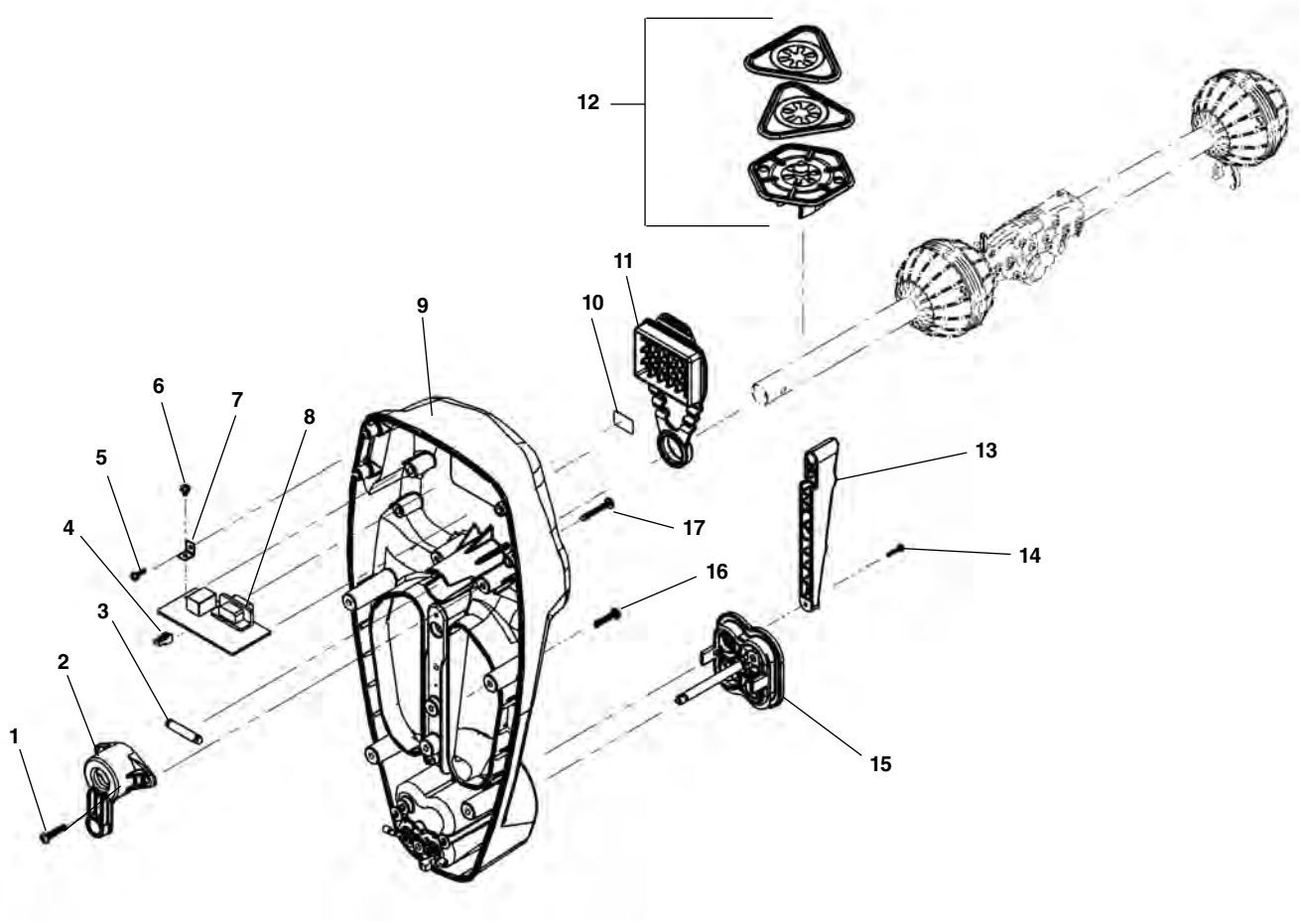


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	25793	Brow
2	25798	Brow Label
3	21343	Keypad
4	25808	Label Set
5	25813	Handle Insert Pad
6	25823	Top Case Assembly w/Keypad (Nav. 2)
	43098	Top Case Assembly w/Keypad (SR-60)
7	25833	Handle Seals
8	25833	Case Seal
9	25838	LCD Window Gasket
10	25843	LCD Window Adhesive
11	25848	LCD Window Only
12	25853	Level Bubble
13	25858	Level Bubble Holder
14	25863	LED Retaining Washer
15	25868	LED
16	25873	Level Bubble Retainer
17	25878	Level Support Pad
18	25983	Screw #2 x 3/8" (2)
19	25888	Screw #4-20 x 5/16" (4)
20	25893	LCD Support Gasket
21	25898	LCD Top Mount Bracket
22	25903	LCD Only

Ref. No.	Catalog No.	Description
23	25908	LCD Bottom Mount Bracket
24	41643	Main PCB (Navitrack 2) *
	41638	Main PCB (SR-60) *
25	24488	#4-20 x 3/8" Screw (7)
26	23653	Power Module Asm
27	25913	Power Board Mount
28	25918	Foam Backing
29	25923	Polyester Tape
30	25988	Screw #4-40 x 3/8" (2)
31	25938	Speaker Wire Foam Brace
32	25943	Adhesive Wire Clip
33	25948	Speaker Asm
34	25953	Flat Washer
35	25958	Speaker Gasket Set
36	25963	Headphone Jack
37	25968	Retaining Ring
38	25973	Headphone Jack Pad
39	25978	Headphone Jack Cover
Following Item Not Shown		
	31923	Ribbon Cable Asm (Connects Keypad Ribbon To Main Circuit Board)
	*	Indicates Part Must Be Serviced At Factory

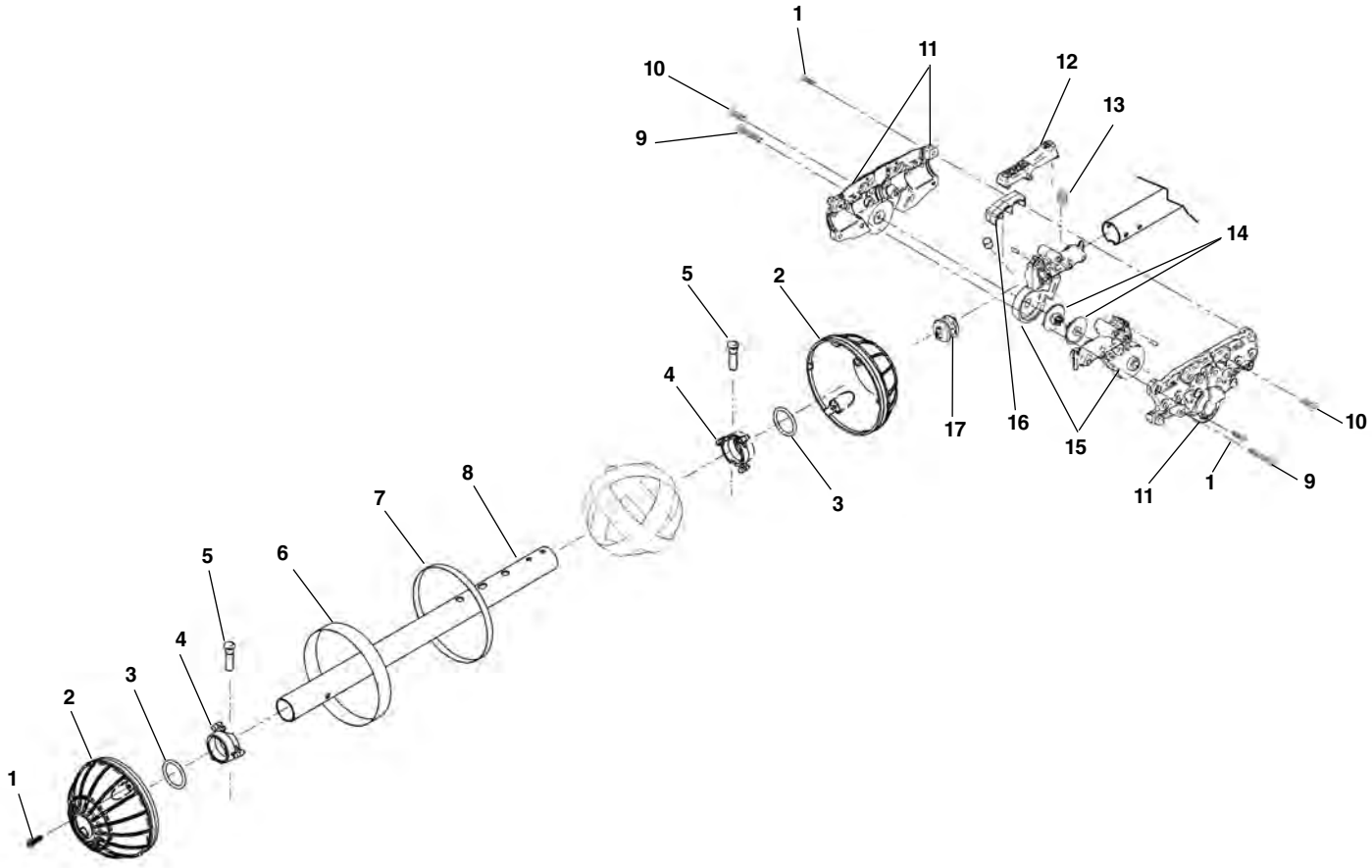
NOTE: All Parts Shown Are Used By Both The Navitrack 2 & SR-60 Unless Specifically Noted.



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

Ref. No.	Catalog No.	Description
1	26063	Screw #8-16 x 3/8" (2)
2	26068	Tube Cap
3	26073	Dowel Pin
4	26078	Flat Flex Cable
5	24588	Screw #6 x 3/8" (2)
6	24593	Screw #6-32 x 3/16"
7	24583	Right Angle Mounting Bracket (2)
8	24563	Serial Board Asm
9	26083	Navitrack 2 Bottom Case Asm (Incl. Batt. Contacts)
	43098	SR-60 Bottom Case Asm (Incl. Batt. Contacts)
10	26113	WEEE Label (Europe Only)
11	26093	Bottom Cover
12	12543	Set Of Marker Chips
13	26098	Bottom Handle Insert
14	24488	Screw #4 x 1/2" (3)
15	23178	Battery Cover Asm
16	26103	Screw #8 x 3/4" (9)
17	24408	Screw #8 x 1" (4)
Following Item Not Shown:		
	26108	Flat Nylon Washer (13) (Fits Behind Screw Shown As Ref. 17)

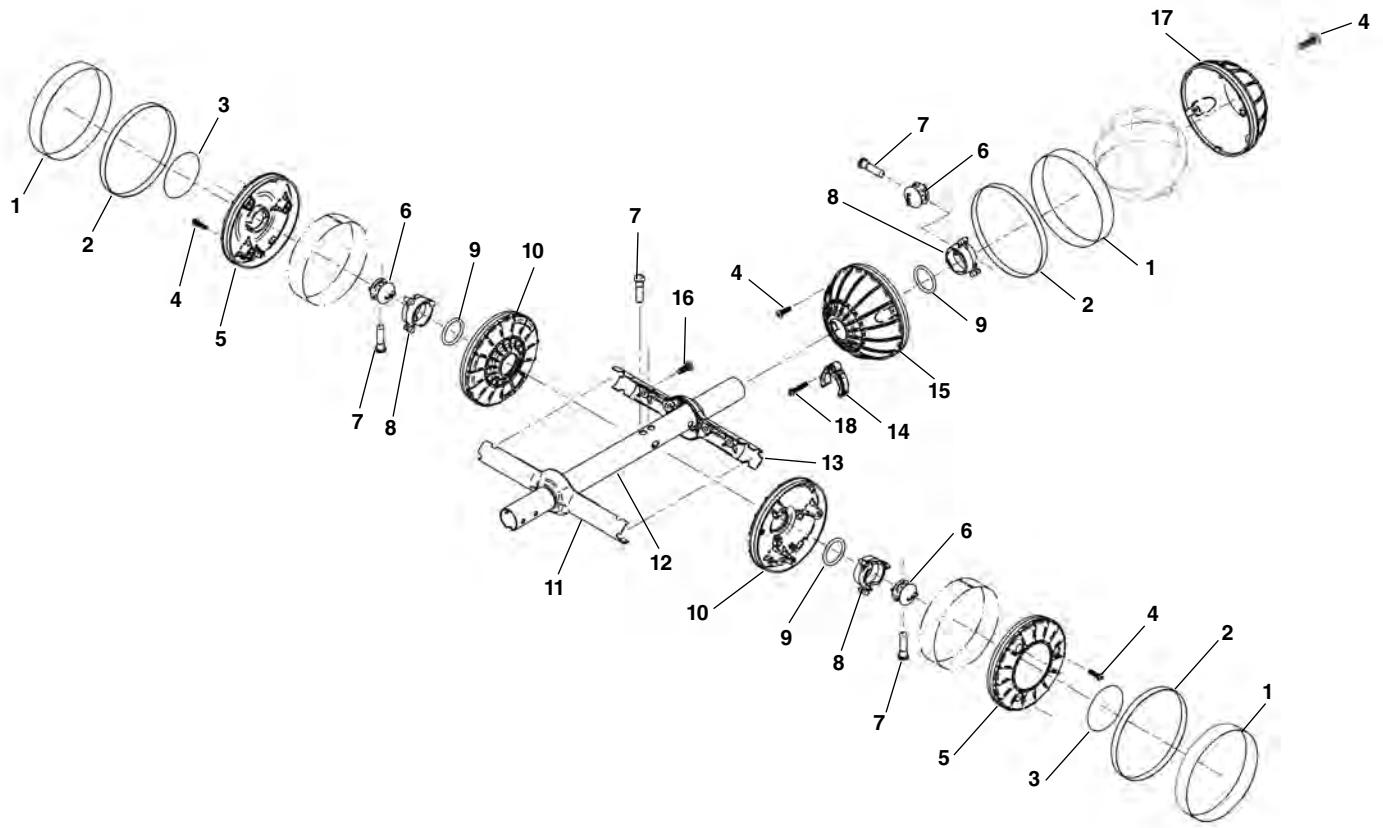
NOTE: All Parts Shown Are Used By Both The Navitrack 2 & SR-60 Unless Specifically Noted.



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	24413	Screw #6 x 1/2" (5)	11	23663	Outer Pivot Asm
2	24328	Top Antenna Shell	12	23593	Pivot Latch
3	24358	O-Ring	13	23603	Latch Spring
4	24318	Antenna Pin Ring	14	26133	Bottom Mast Tube
5	24373	Antenna Pin	15	26128	Screw #6 x 3/4"
6	26118	Antenna Ball Label (Navitrack 2)	16	23613	Tube Seal
	45403	Antenna Ball Label (SR-60)	17	26138	Bottom Antenna Shell
7	24363	Double Sided Tape Roll	18	24333	Tube Lock
8	26123	Top Mast Tube	19	23598	Wire Reel
9	24408	Screw #8 x 1" (4)	20	23588	Center Pivot
10	24403	Screw #8 x 1/2" (16)	21	23628	Rear Pivot Cover

NOTE: All Parts Shown Are Used By Both The Navitrack 2 & SR-60 Unless Specifically Noted.

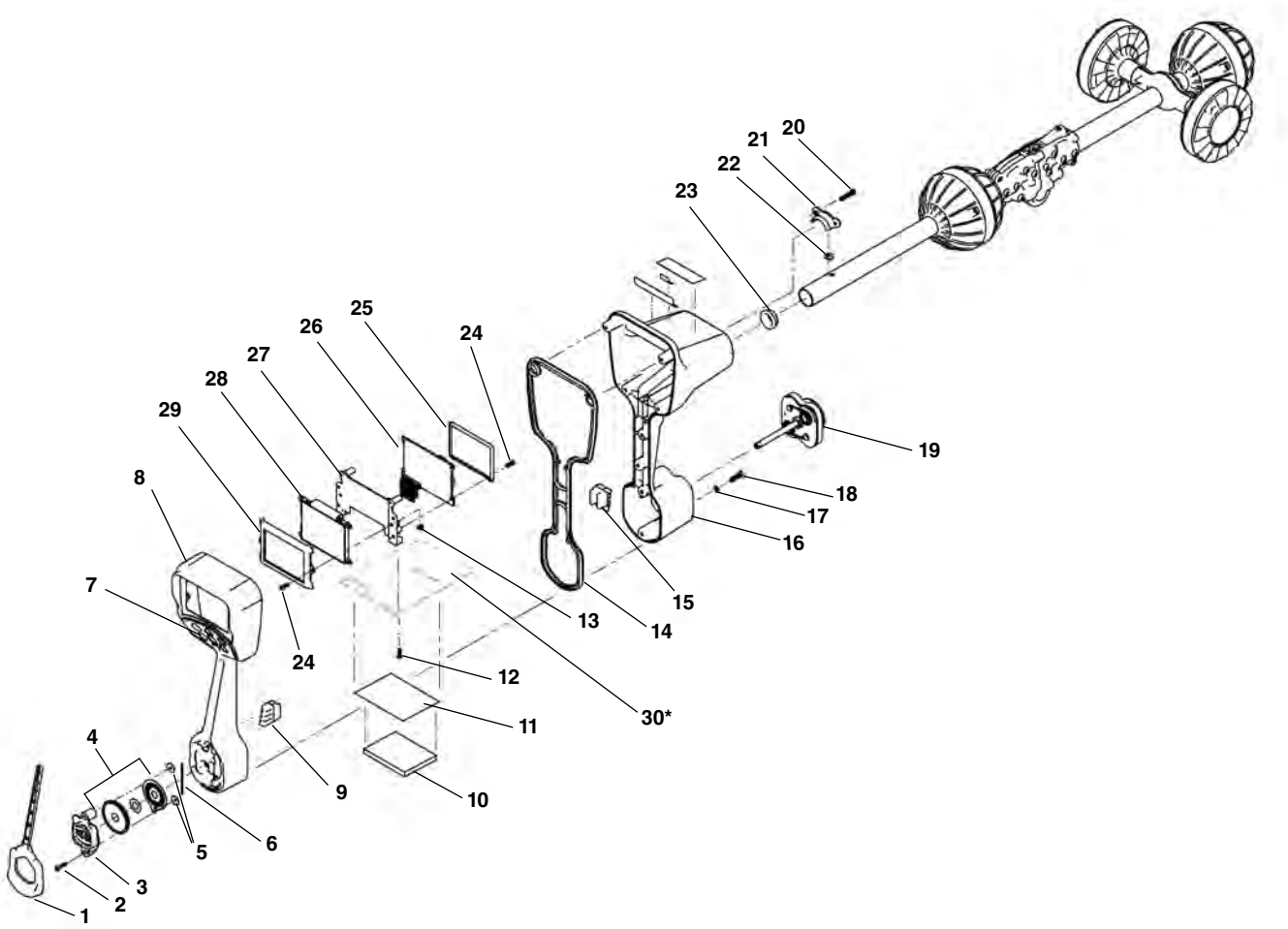


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	45403	Antenna Ball Label (SR-60)
	26118	Antenna Ball Label (Navitrack 2)
2	24363	Double Sided Tape Roll
3	44873	Side Antenna Label (SR-60)
4	24413	Screw #6 x 1/2" (SR-60)
5	44863	Gradient Antenna Shell (Outer) (SR-60)
6	23613	Seal (SR-60)
7	24373	Rivet (SR-60)
8	24318	Antenna Pin Ring (SR-60)
9	24358	O-Ring (SR-60)
10	44868	Gradient Antenna Shell (Inner) (SR-60)

Ref. No.	Catalog No.	Description
11	24353	Top Tube Bracket (SR-60)
12	24308	Bottom Tube
13	24338	Bottom Tube Bracket (SR-60)
14	24333	Tube Lock
15	24328	Top Antenna Shell
16	24403	Screw #8 x 1/2"
17	24323	Bottom Antenna Shell
18	24368	Screw #6 x 3/4"
Following Item Not Shown:		
	34863	Peg Chip Holder

NOTE: All Parts Shown Are Used By Both The Navitrack 2 & SR-60 Unless Specifically Noted.

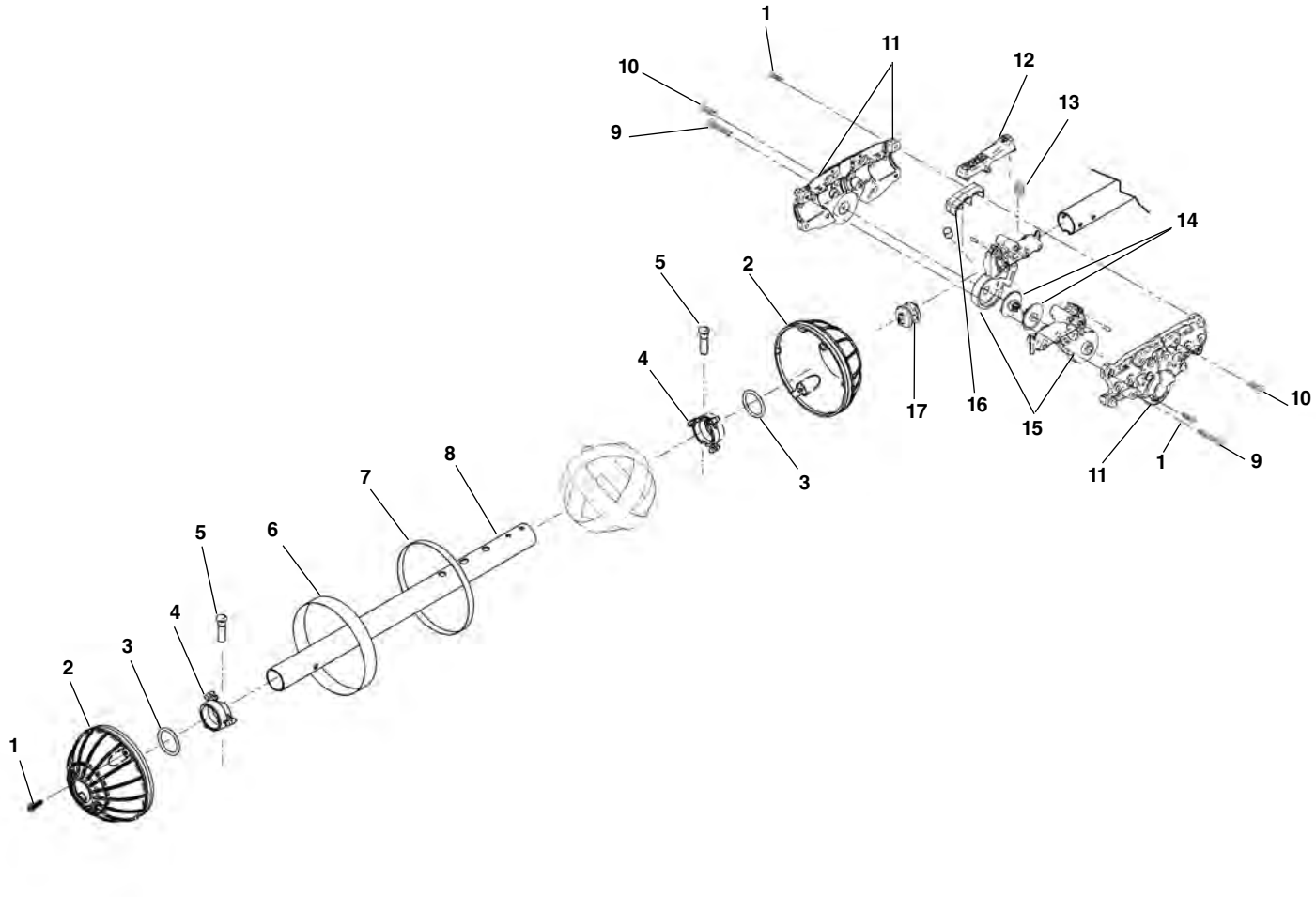


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	24483	Handle Pad
2	24488	Screw #4-20 x ½"
3	24418	Speaker Gasket
4	24493	Speaker
5	24508	Flat Washer
6	24513	Cross Pin
7	21343	Keypad
8	24518	SR-20 Top Case Asm
	32998	Scout Top Case Asm
	49323	SR-24 Top Case Asm
9	24298	Top Handle Seal
10	24523	Foam, 2" Wide Sheet
11	24528	Tape, 2.25" Wide Backing
12	24383	Screw #4-40 x ⅜"
13	24533	Hex Nut #4-40
14	24273	Housing Seal
15	24293	Bottom Handle Seal
16	24433	SR-20 Bottom Case Asm
	33003	Scout Bottom Case Asm
	49328	SR-24 Bottom Case Asm
17	24303	Nylon Washer
18	24288	Screw, #6 x ⅝"
19	27868	Battery Door
20	24368	Screw #6 x ¾"
21	24538	Tube Bracket

Ref. No.	Catalog No.	Description
22	24543	Tube Bracket Gasket
23	24548	Tube Seal
24	24553	Screw #4-20 x ⅜"
25	24558	SR-20/SR-24 Display Window
	34818	Scout Display Window
26	23643	SR-20/SR-24 LCD
	33013	Scout LCD
27	23638	SR-20/SR-24 LCD Mounting Plate
28	23653	SR-20/SR-24 LCD Power Module
29	23658	SR-20/SR-24 LCD Gasket
	34823	Scout LCD Gasket
30*	41633	SR-20 Main Circuit Board Asm
	49308	SR-24 Main Circuit Board Asm
	33008	Scout Main Circuit Board Asm
Following Items Not Shown		
	24563	Serial Board Asm
	49313	Serial Board Asm SR-24
	49318	Serial Board Adapter SR-24
	24568	USB/Serial Port Cover
	24388	Bottom Handle Grip Pad
These Parts Are Located Inside Bottom Case		
	24583	Right Angle Mounting Bracket
	24588	Screw, #6 x ⅜"
	24593	Screw, #6-32 x 3/16"

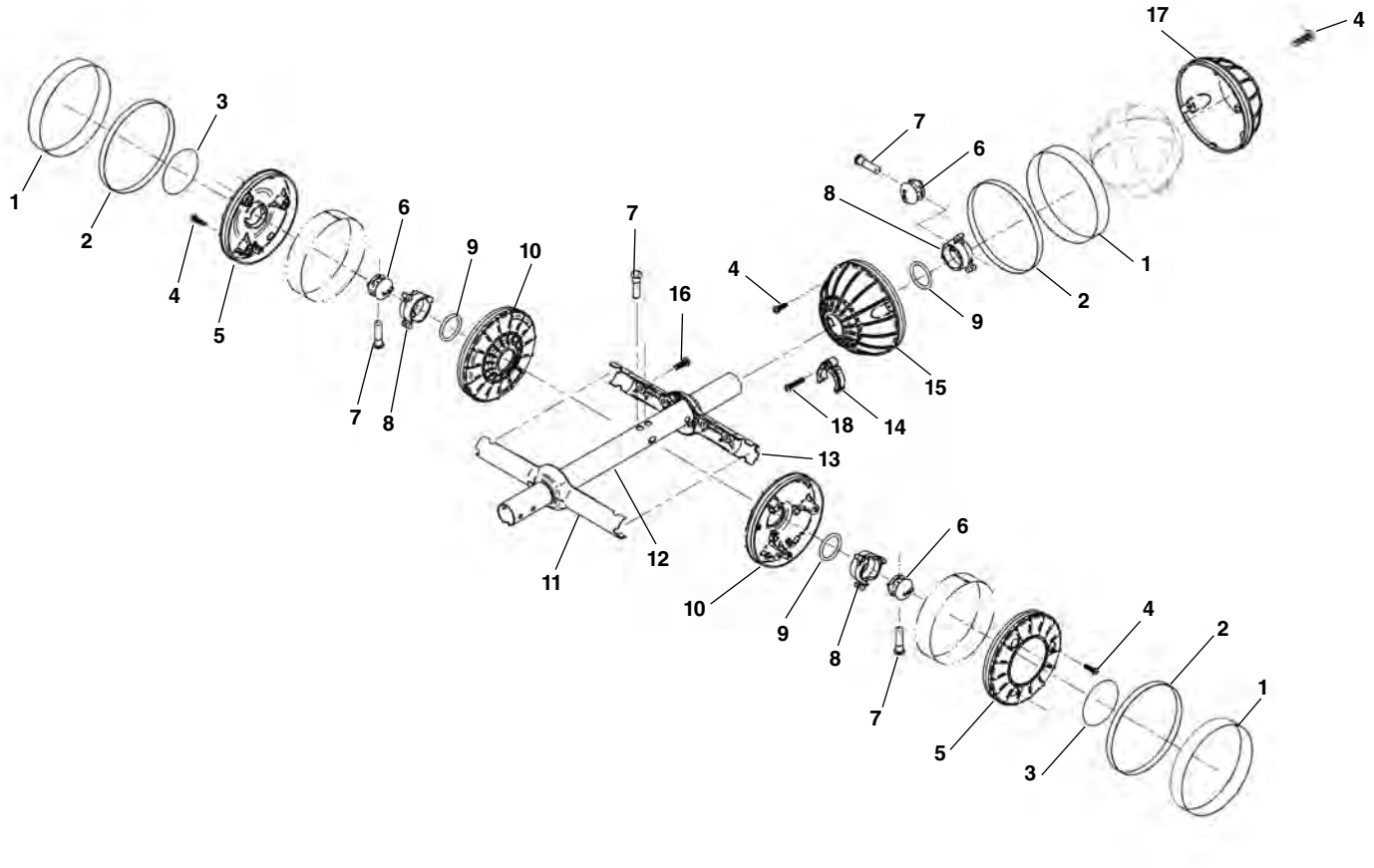
NOTE: Parts Are Identical Between SR-20 & Scout Locators Unless Specifically Noted.
* Requires Factory Recalibration



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

Ref. No.	Catalog No.	Description
1	24413	Screw #6 x 1/2"
2	24328	Top Antenna Shell
3	24358	O-Ring
4	24318	Antenna Pin Ring
5	24373	Pin
6	24313	Antenna Ball Label
7	24363	Double Sided Tape Roll
8	24378	Top Tube
9	24408	Screw #8 x 1"
10	24403	Screw #8 x 1/2"
11	23663	Outer Pivot Asm
12	23593	Pivot Latch
13	23603	Latch Spring
14	23598	Wire Reel
15	23588	Center Pivot
16	23628	Rear Pivot Cover
17	23613	Seal

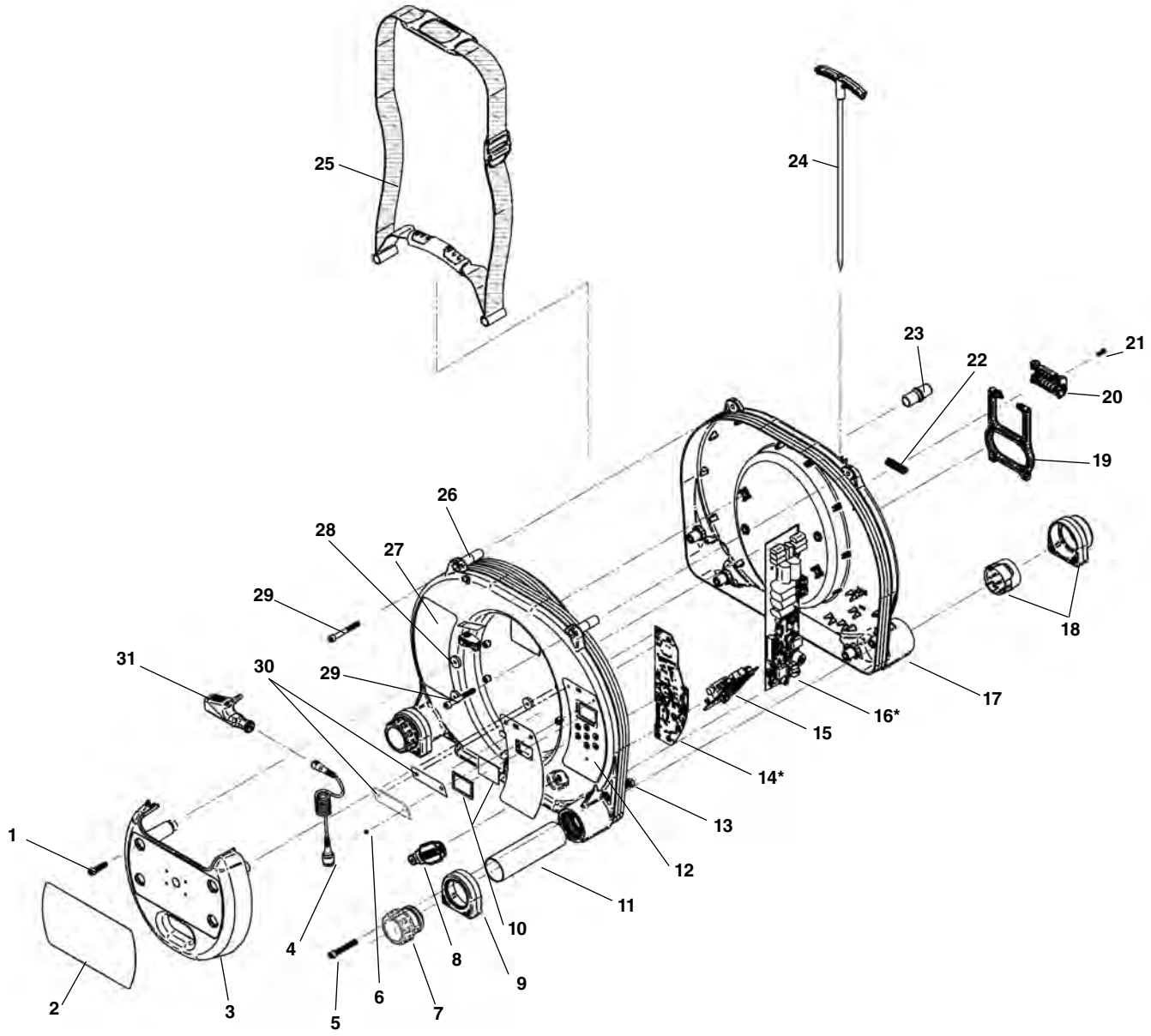
NOTE: Parts Are Identical Between SR-20 & Scout Locators Unless Specifically Noted.



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

Ref. No.	Catalog No.	Description
1	24313	Antenna Ball Label (SR-20)
	34858	Antenna Ball Label (Scout)
2	24363	Double Sided Tape Roll
3	24478	Side Antenna Label (SR-20)
4	24413	Screw #6 x 1/2"
5	24343	Gradient Antenna Shell (Outer) (SR-20)
6	23613	Seal
7	24373	Rivet
8	24318	Antenna Pin Ring
9	24358	O-Ring
10	24348	Gradient Antenna Shell (Inner) (SR-20)
11	24353	Top Tube Bracket (SR-20)
12	24308	Bottom Tube
13	24338	Bottom Tube Bracket (SR-20)
14	24333	Tube Lock
15	24328	Top Antenna Shell
16	24403	Screw #8 x 1/2"
17	24323	Bottom Antenna Shell
18	24368	Screw #6 x 3/4"
Following Items Not Shown		
	34863	Peg Chip Holder

NOTE: Parts Are Identical Between SR-20 & Scout Locators Unless Specifically Noted.

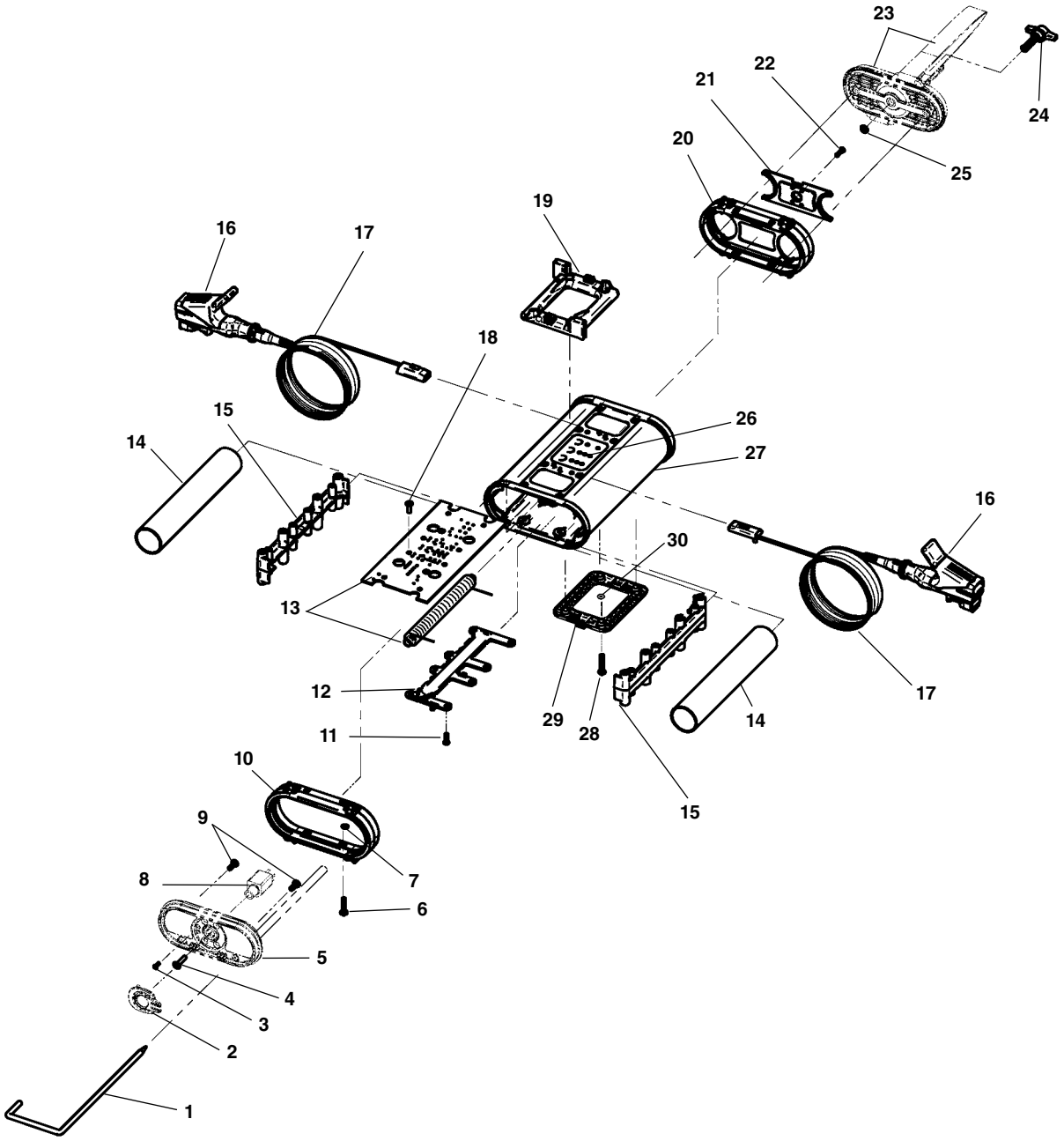


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	30643	Screw, 1/4" - 20 x 1" (4)
2	30673	RIDGID Decal
3	26498	Cord Pocket
4	26468	25' Cord Lead (2)
5	30633	Screw, 1/4" - 20 x 2" (2)
6	30648	Screw 4 - 40 x 1/4" (2)
7	26543	Seal Cap (Battery Cover)
8	26488	Rubber Plug
9	26508	End Cap Foot
10	26513	LCD Window
11	26518	Battery Tube (2)
12	26523	LCD Interface Label
13	30658	Hex Nut (1/4" - 20)
14*	30753	Control Board Assembly*
15	30688	Drive Interface Board
16*	30753	Driver Board Assembly*
17	26483	Back Shell
18	26508	Rear Foot w/Cover
19	26533	Kickstand

Ref. No.	Catalog No.	Description
20	26538	Kickstand Bar
21	24413	Screw #6 x 1/2" (4)
22	30628	Spring
23	26548	Back Supports (2) (Standoff)
24	26463	Ground Stake
25	26493	Shoulder Strap
26	26478	Front Shell
27	30678	Front Directional Label
28	26528	Plug F/Cord Pocket (6)
29	30698	Screw, 1/4" - 20 x 1 3/4"
30	30653	LCD Gasket Assembly
31	18443	Cable Clip (2)
Items not Shown		
	30663	Rear Instruction Label
	30658	Bottom Instruction Label
	30668	Top Directional Strip Decal
	30683	Rear Directional Label
	27978	Power Supply US
	27983	Power Supply Euro

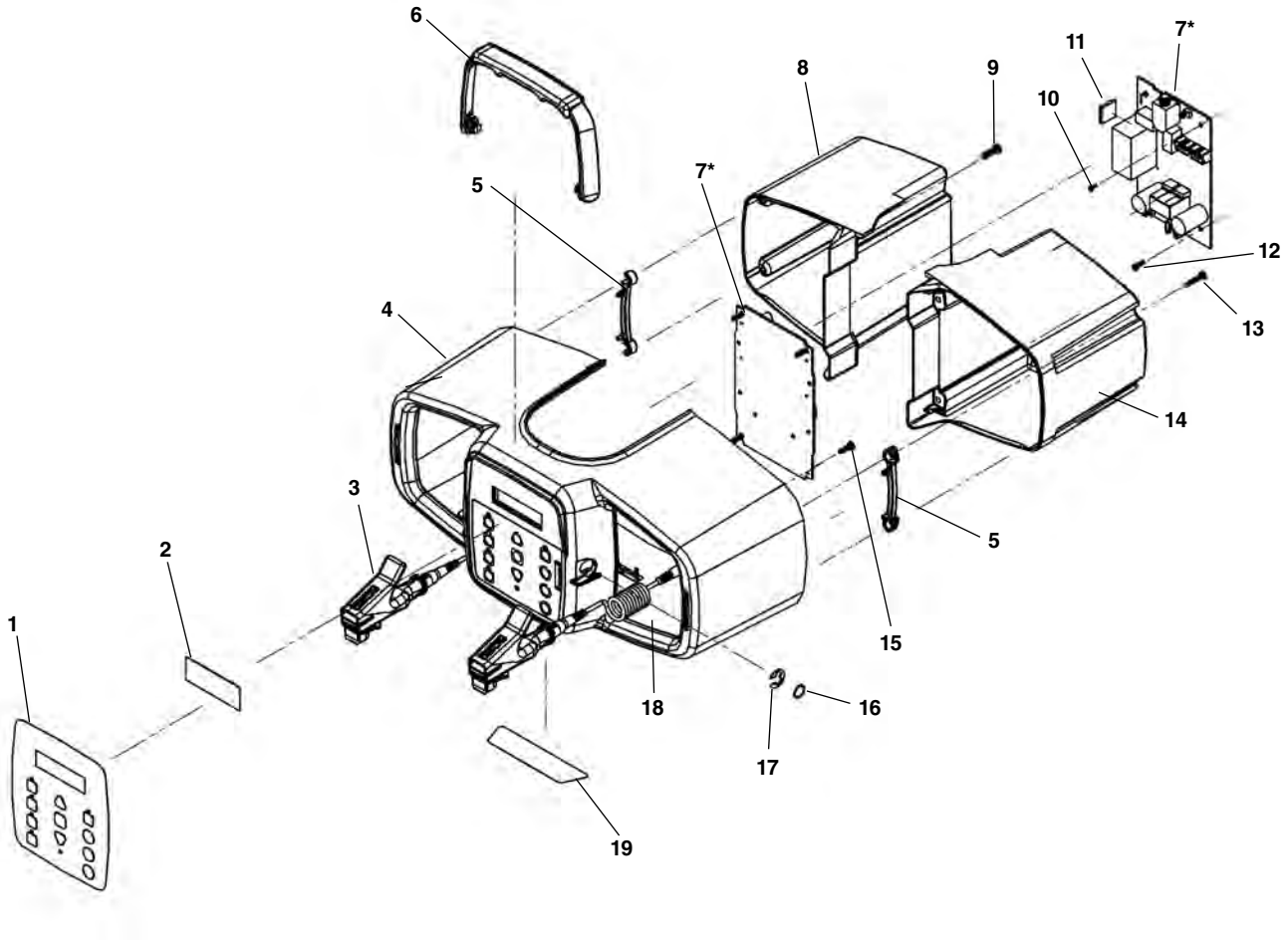
* Denotes MUST be replaced at factory.



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

Ref. No.	ST-305 (Yellow) Catalog No.	NaviTrack 5 Watt (Red) Catalog No.	Description
1	22528	22528	Ground Stake
2	32193	32193	Phone Jack Cover
3	32208	32208	Screw, #2 x .25"
4	32218	32218	Screw, #6 x 5/8" (4)
5	32118	32123	Endcap Jack Assembly
6	24288	24288	Screw, #6 x .625" (8)
7	32243	32243	Nylon Washer (8)
8	32143	32143	Phone Jack
9	32248	32248	Screw, #6 x 3/8" (2)
10	32183	32183	Endcap Bumper
11	24553	24553	Screw, #4-20 x 3/8" (16)
12	32163	32163	Inductor Support
13	32128	37898	Circuit Board Assembly
14	32133	32133	Battery Tube (2)
15	32148	32148	Inductor Rail (2)
16	18443	18443	Cable Clip (2)
17	22538	22743	Cable Lead (2)
18	32318	32318	Screw, #6-32 x 3/8" (2)
19	32153	32153	Case Cover
20	32178	32178	Endcap
21	32098	32098	Retainer Plate
22	32303	32303	Screw, #4 x .375" (4)
23	32103	32103	End Cap w/Strap
24	32188	32188	Thumbscrew Assembly
25	32308	32308	Retaining Washer
26	32313	32313	Keypad
27	32113	32113	Transmitter Shell (2)
28	24368	24368	Screw, #6 x .75" (8)
29	32158	32158	Bottom Cover
30	32323	32323	Bottom Cover O-Ring (2)
Items Not Shown			
	32328	32328	Side Label (2)
	32353	32353	Ground Stake Tube

ST-510 Top Case Assembly

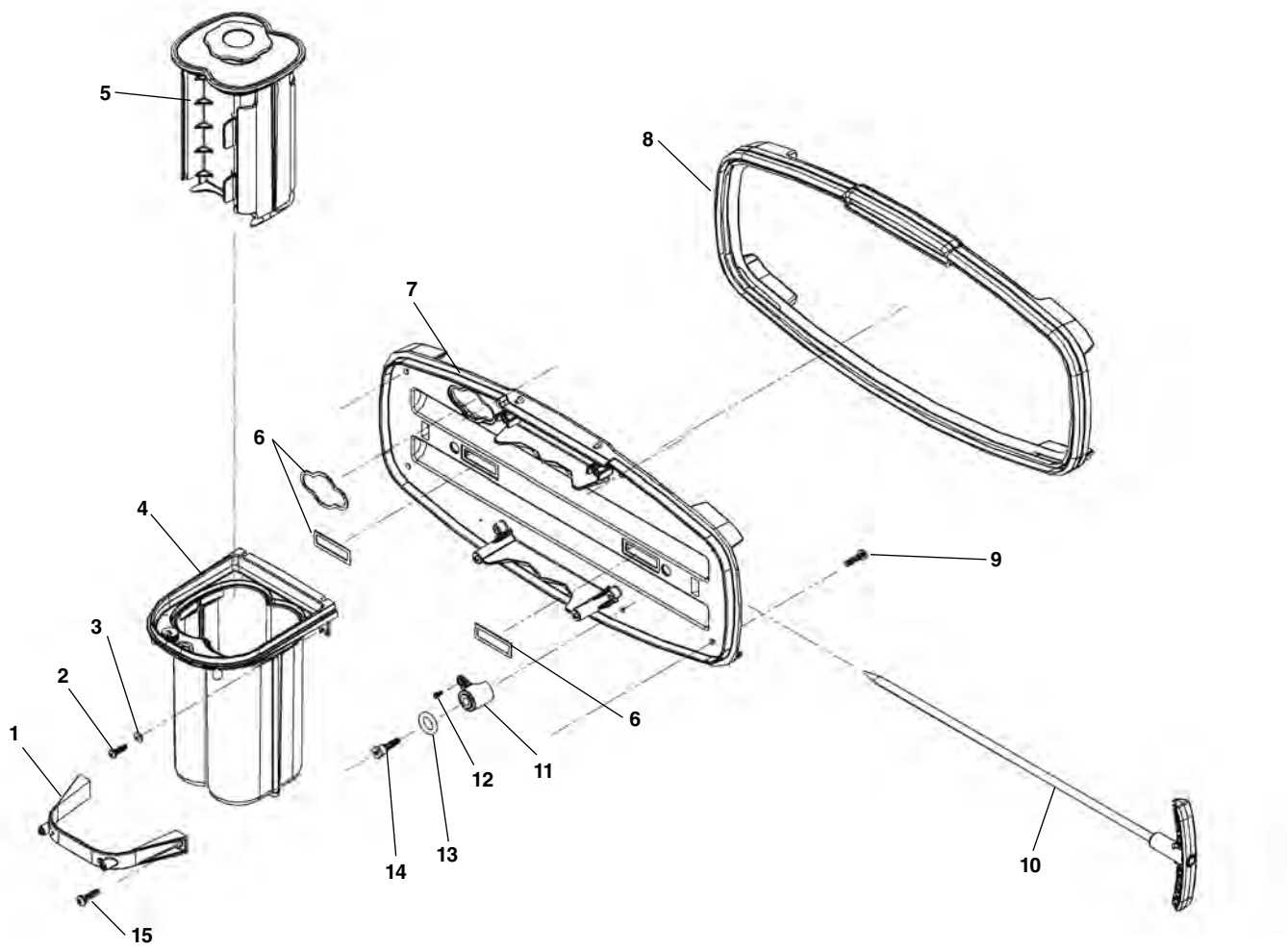


NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description
1	30778	Keypad
2	30783	LCD Window w/Gasket
3	18443	Direct Connect Clip (2)
4	30828	ST-510 Body
5	31288	Shoulder Strap Bar (2)
6	30788	Handle
7*	31313	Wave Board Assembly
	39858	Control Board Assembly (Europe)
8	31303	Cable Pocket (Left)
9	30803	Screw #8 - 16 x .625 (8)
10	31298	Screw #2 - 56 x .25 (2)
11	31308	Adhesive Clip
12	24553	Screw #4 - 20 x .375 (2)
13	31358	Screw #6 x .75 (4)
14	31373	Cable Pocket (Right)
15	24413	Screw, #6 x .5 (4)
16	31383	Wave Spring (2)
17	31388	Retaining Ring (2)
18	22758	Cable Lead (2)
19	30773	Front Decal
Items Not Shown		
	30833	Shoulder Strap
	31393	Inductive Coil Assembly

* Denotes MUST be replaced at factory.

ST-510 Base Assembly



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

Ref. No.	Catalog No.	Description
1	31318	Battery Compartment Strap
2	24413	Screw, #6 x .5 (4)
3	31353	Washer (2)
4	31323	Battery Compartment Assembly
5	18428	Battery Cover Holder Assembly
6	31328	Cable Lock Gasket Set
7	31398	Baseplate
8	30798	Baseplate Gasket
9	30803	Screw, #8-16 x .625 (8)
10	26463	Ground Stake
11	31408	Receptacle Support (2)
12	31343	Screw #4-40 x .25 (4)
13	71677	O-Ring (2)
14	31333	Cable Lead Receptacle (2)

ALABAMA

BIRMINGHAM, Alabama Jack
1140 5th Ave. N., **35203**
(205) 251-8156

Ⓣ **BIRMINGHAM,** Electronic Repair Co.
8518 First Ave. N., **35206**
(205) 836-0454

Ⓣ **SPANISH FORT,** Mobile Service Elec. Rep.
11617 US HWY 31, **36527**
(251) 327-8355

ALASKA

WASSILLA, Mat-Su Tool Repair
522 McKinley St., **99654**
(907) 357-0647

ARIZONA

† **PHOENIX,** Boerner Company
2435 E. Indian School Rd., **85016**
(602) 957-9710

† **PHOENIX,** Glenn's Tool Service
2149 E. Indian School Rd., **85016**
(602) 264-6203

PHOENIX, Unicoa Industrial
2224 N. 23rd Ave., **85009**
(602) 254-4666

PHOENIX, Western Drain Supply
6007 South 40th St. #5, **85042**
(602) 861-5973

TEMPE, Fisher Tool
1990 East 3rd St., **85281**
(480) 968-0123

TUCSON, Precision Tool & Construction
4857 East 29th St., **85711**
(520) 745-1100

TUCSON, Western Tool, Inc.
702 S. Campbell Ave., **85719**
(520) 884-0504

ARKANSAS

LITTLE ROCK, Clark Hydraulic Service
2901 Confederate Blvd., **72206**
(501) 375-1252 (800) 264-1252

LITTLE ROCK, Partners Airless
4360 Rixey Rd., **72117**
(501) 833-3306

CALIFORNIA

Ⓣ **ANAHEIM,** Western Drain Supply
• 3188 East La Palma Ave., **92806**
(714) 632-0447

ANAHEIM, Westside Building Material
1111 East Howell Ave., **92815**
(714) 385-1644

BAKERSFIELD, Bakersfield Tool Repair
210 Sumner St. Suit B, **93301**
(661) 327-2820

Ⓣ **CITRUS HEIGHTS,** CVS Electronics
7904 Sunrise Blvd., **95610**
(916) 722-3110

† **CORONA,** We-do Equipment Repair
1932 Elise Circle, **92879**
(951) 808-9167

† **HAYWARD,** California Service Tool
• 3875 Bay Center Place, **94545**
(510) 782-1000

† **(LOS ANGELES) HAWTHORNE,**
Drain Cleaner Service, J. M. McKinney Co.
12710 Yukon Ave., **90250**
(800) 821-7275

† **(LOS ANGELES) N. HOLLYWOOD,**
• Bucknall Power Tool Service
11910 Vose St., **91605**
(818) 765-0228

MONTEBELLO, Logan Supply
7515 Telegraph Rd., **90640**
(323) 724-4330

† **PANORAMA CITY,** Drain Cleaner Service, J.M. McKinney Co.
14624 Titus St., **91402**
(818) 786-2527

SACRAMENTO, Valley Tool Repair
4131-B Power Inn Road, **95826**
(916) 737-6300

Ⓣ **SAN DIEGO,** SeeScan, Inc
3855 Ruffin Rd., **92123**
(858) 244-3300

SAN DIEGO, South Coast Tool Repair
9660 Chesapeake Dr., **92123**
(858) 569-0929

SIGNAL HILL, Tool Works
1431 East 28th St., **90755**
(562) 988-9150

† **SO. SAN FRANCISCO,** C. H. Bull Company
229 Utah Ave., **94080**
(650) 871-8440

COLORADO

† **DENVER,** AIS Industrial
• 8103 E. 39th Ave., **80207**
(303) 355-2391

† **DENVER,** Runge Tool Company
1330 South Inca Street, **80223**
(303) 744-1224

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EAST HARTFORD, Jossam Tool Repair
411 Burnham St., **06108**
(860) 289-4064

† **ORANGE,** Colony Hardware Supply
• 269 S. Lambert Road, **06477**
(203) 466-5252

SOUTH WINDSOR, Utility Electric Service
255 Chapel Rd., **06074**
(860) 246-7271

FLORIDA

† **CLEARWATER,** Atlas Constr. Equip. Services
• 12001 49th Street North, Suite 201, **33762**
(727) 299-0700

† **MIDDLEBURG,** A-1 Tool & Fastener
2487 County Rd. 220, **32068**
(904) 282-3707

† **ORLANDO,** Contractors Tool Service
5409 Edgewater Drive, **32810**
(407) 292-2808

PENSACOLA,
Escambia Electric Motor Service
1101 W. Main, **32501**
(850) 432-1577

† **WEST PARK,** National Tool Supply
5725 W. Hallandale Beach Blvd., **33023**
(800) 432-5078 (954) 985-8100

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† **ATLANTA,** Power Tool Service Co.
• 1420 Collier Rd. NW, **30318-2814**
(404) 605-0101

Ⓣ **BLACKSHEAR,** P & H Supply
3307 Katie Dr., **31516**
(912) 222-4593

VALDOSTA, Whitehead Hardware
104 S. Lee Street, **31601**
(229) 242-3910

HAWAII

† **HONOLULU,** Wong's Equipment & Sales
• 841 Pohukaina Street, B-1, **96813**
(808) 596-8870

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BOISE, K.C. Supply Company
5103 Irving St., **83706**
(208) 375-1313 (800) 446-9004

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† **CHICAGO,** Allan J. Coleman Co.
• 5725 N. Ravenswood Ave., **60660**
(773) 728-2400

† **(CHICAGO) BERWYN,** Jacks' Inc.
• 6642 W. 26th St., **60402**
(708) 788-4300

INDIANA

† **CROWN POINT,** Affordable Electrical Repair
707 N. Indiana Ave., **46307**
(219) 696-7792

EAST CHICAGO,
Calumet Contractors Supply Co, Inc.
2120 E. Columbus Dr., **46312**
(219) 398-0017

EVANSVILLE, Bailey Tool & Supply
5716 East Morgan Ave., **47715**
(877) 475-1618

EVANSVILLE, Tri State Repair Service
1327 N. Fares Ave.
(Bus., Hiway 41 N.), **47711**
(812) 464-9341 (800) 457-3749

FORT WAYNE, Mill Supplies, Inc.
5105 Industrial Rd., **46825**
(260) 484-8566 (800) 589-5353

FORT WAYNE,
Wagner Electric of Fort Wayne, Inc.
3610 N. Clinton St., **46805**
(260) 484-5532

IOWA

† **BETTENDORF,** Logan Contractors Supply
4114 State St., **52722**
(563) 441-2949

Ⓣ **DES MOINES,** Duracable
300 Ashworth Rd., **50265**
(515) 223-1344

DES MOINES, Tool Hospital
1631 Second Ave., **50314**
(515) 243-6969 (800) 753-3323

DES MOINES, Total Tool/Tool House
622 SE 5th Street, **50309**
(515) 244-1516

KANSAS

KANSAS CITY, Acme Hydraulics, Inc.
815 Kansas Ave., **66105**
(913) 321-6385

KANSAS CITY, KC Winfastener
1232 Southwest Blvd., **66103**
(913) 831-2300

† **KANSAS CITY,** Total Tool
275 Southwest Blvd., **66103**
(913) 722-7879

KENTUCKY

LEXINGTON, City Electric Motor Co.
631 Kennedy Rd., **40511**
(859) 254-5581

LEXINGTON, Jiffy Tool Repair
2433 Fortune Drive, **40509**
(859) 252-1849

† **LOUISVILLE,** Bailey Tools & Supply
1338 S. Shelby, **40217**
(502) 635-6348 (800) 999-4533

Ⓣ **LOUISVILLE,** PipeEyes/Eye-Tronics
145 Smith Lane, **40229**
(502) 955-5288

PADUCAH, Warden Electric
604 N. 7th St., **42002**
(270) 443-4622

LOUISIANA

BATON ROUGE, Tool Shed, Inc.
1856 Wooddale Ct, **70806**
(225) 926-6500

Ⓣ **BATON ROUGE,**
Central Plumb-It-Yourself Supply
7000 Greenwell Springs Rd., **70805**
(225) 924-9672

† **(NEW ORLEANS) HARVEY,**
IWS Gas and Supply
1452 Fourth Street, **70058**
(504) 362-9395

NEW ORLEANS, Beerman Precision, Inc.
4206 Howard Ave., **70125**
(504) 486-9391

† **WEST MONROE,** Tool Town
704 North 7th Street, **71291**
(318) 329-2929

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† **BANGOR,** N.H Bragg & Sons
92 Perry Road, **04401**
(207) 947-8611

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† **BALTIMORE,** Ferguson
• 4501 Hollins Fery Rd, **21227**
(443) 543-1300

† **LANDOVER,** Colony Hardware
• 1950 Stanford Ct., **20785**
(301) 967-2844

MASSACHUSETTS

Ⓣ **DRACUT,** Northeast Steno
1229 Lakeview Ave. Unit 2, **01826**
(978) 957-9450

• **EVERETT,** Panda Electrical Service, Inc.
165 Main St., **02149**
(617) 389-1442

HOLYOKE, Reliance Electric Service Co.,
573 South Canal Street, **01040**
(413) 533-3557

Ⓣ **PLAINVILLE,** Utilitronics
2 High Street, **02762**
(800) 245-8850

MICHIGAN

ANN ARBOR, McCally Tool & Supply
2451 S. Industrial Pkwy.; Suite B, **48104**
(734) 747-8332 (800) 535-6434

† **(DETROIT) LIVONIA,** Brock Tool
31090 Industrial Rd., **48150**
(734) 261-9333

† **(DETROIT) LIVONIA,** McCally Tool & Supply
34417 Industrial Rd., **48150**
(734) 525-4225

KALAMAZOO,
Kalamazoo Electric Motor Inc.
414 Mils Street, **49001**
(269) 345-7802

KINGSFORD, IDG
1021 Pyle Drive, **49802**
(906) 774-3991

† **WARREN,** Colony Hardware
• 2324 Morissey Ave., **48091**
(586) 578-9678

MINNESOTA

† **EDINA,** Olsen Chain & Cable
7225 Washinton Ave., South, **55439**
(952) 944-7678

† **ST. PAUL,** Total Tool Supply Company
• 315 N. Pierce St., **55104**
(651) 646-4055 (800) 444-4899

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† **ST. CHARLES,** Tool Service Center
2431 Raymond Drive, **63301**
(636) 940-2525

† **ST. LOUIS,**
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8318 Olive Blvd., **63132**
(314) 993-3099 (800) 257-7209

MONTANA

† **BILLINGS,** Edge Construction Supply
120 Moore Lane, **59101**
(406) 248-7196

NEBRASKA

† **LINCOLN,**
Total Tool/Tool House
2611 Kimco Dr., **68521**
(402) 476-6673

OMAHA, Thacker Electric
8517 I St., **68127-1615**
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† **LAS VEGAS,** Sewer Cable Equipment Co.
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Drain Cleaning Only

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2912 South Highland, Suites C&D, **89109**
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(RENO) SPARKS, Industrial Equipment Co.
310 Kresge Lane, **89431**
(775) 331-1032

NEW HAMPSHIRE

MANCHESTER, Manchester Tool Repair
900 Candia Rd., **03109**
(603) 622-0207

NEW JERSEY

(NEWARK) CLIFTON, The Tool Box
119 Lakeview Ave., **07011**
(973) 340-7652

† **EAST ORANGE,** Von Rohr Equipment Corp.
2 New Main St., **07019**
(973) 748-9111

Ⓣ **LODI,** Dynamic Cable Repair
40 Arnot Street, **07644**
(973) 478-0893

LONG BRANCH, Cougor Equipment
622 Broadway, **07740**
(732) 870-3302

† **SPRINGFIELD,** Colonial Hardware Corp.
33 Commerce St., **07081**
(800) 237-7756

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BUFFALO, S.S. Electric Repair Shop, Inc.
2470 Seneca St., **14210**
(716) 823-1232

GARDEN CITY PARK, Eastern Industrial
184 Atlantic Ave., **11040**
(516) 741-3198

(LONG ISLAND) HUNTINGTON STATION,
A&T Power Tools
515 East Jericho Turnpike, **11746**
(631) 271-2141

(LONG ISLAND) WANTAGH,
Ace Tool Repair. Inc.
2201 Wantagh Ave., **11793**
(516) 783-8899

RIDGEWOOD, Gotham Pipe Supply
18-19 Fleshing Ave., **11385**
(718) 416-6300

Ⓣ SeeSnake ONLY
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• Authorized Pressing Repair Center

MASPETH, RP Rental
60-57 60th Lane, **11378**
(718) 456-7397

† **(N.Y.C.) BROOKLYN,** J & A Repair Shop
• 6206 20th Ave., **11204**
(718) 232-5746 / (718) 232-8409

(N.Y.C.) BROOKLYN,
The White Tool & Supply, Inc.
3047 Atlantic Ave., **11208**
(718) 277-8844

† **ROCHESTER,** Hanes Supply Co.
• 20 Jetview Drive, **14624**
(585) 235-0160

VALLEY STREAM, Bruce Supply Corp.
650 W. Merrick Rd., **11580**
(516) 561-6000

NORTH CAROLINA

BURLINGTON, Womack Electric Supply Co
1250 S Mebane St., **27215**
(844) 998-6657

NORTH DAKOTA

† **MINOT,** Acme Electric Motors
700 20th Ave. SE, **58701**
(701) 839-2263

OHIO

Ⓣ **CINCINNATI,** C & S Solutions
5319 Delhi Rd., **45238**
(513) 922-7444

(CINCINNATI) HARRISON, F & M Mafco
9149 Dry Fork Road, **45030**
(513) 367-2151

CLEVELAND, A & A Hydraulic Repair Co.
5301 W. 161 St., **44142**
(216) 362-4000

Ⓣ **CLEVELAND,** M Tech Company
7401 First Place, **44146**
(440) 646-0996

† **(CLEVELAND) ELYRIA,**
• RIDGID Factory Service Center
321 Sumner St., **44036-2023**
(440) 323-5581

† **COLUMBUS,** Ohio Power Tool, Inc.
999 Goodale Blvd., **43212**
(614) 481-2111 (800) 242-4424

DAYTON, M&R Electric Motor Service
1516 East Fifth St., **45403**
(937) 222-6282 (800) 242-4424

TOLEDO, West Equipment Company
1545 East Broadway, **43605**
(419) 698-1601

YOUNGSTOWN, Pennsylvania Tool Sales
625 Bev Road, **44512**
(330) 758-0845

Ⓣ **ZANESVILLE,** Flow Liner Systems
4830 No. Pointe Dr., **43701**
(740) 453-9935

OKLAHOMA

Ⓣ **OKLAHOMA CITY,**
Central Oklahoma Winnelson
5037 NW. 10th Street, **73127**
(405) 947-8761

OKLAHOMA CITY, Whitton Supply Co.
1419 West Reno, **73106**
(405) 236-5561

WOODWARD, Kay Electric Motors, Inc.
810 48th Street, **73801**
(580) 256-3254

OREGON

BEAVERTON, Karn Repair
1815 NW 169th Place, Suite 5060, **97006**
(503) 690-9500

EUGENE, Eugene Power Tool
101 North Seneca, **97402**
(541) 232-5081

Ⓣ **PORTLAND,** Owen Equipment Co.
13101 NE Whitaker Way, **97230**
(503) 255-9055

† **TUALATIN,** Trade Tool & Supply Co.
11670 SW Waldo Way, **97140**
(503) 221-8665

PENNSYLVANIA

† **CHESTER,** Jekk Tools & Fasteners
• 729 West 2nd St., **19013**
(610) 874-6200

† **(HARRISBURG) MECHANICSBURG,**
Drive Kore
101 Wesley Drive, **17055**
(717) 766-7636 (800) 382-1311

PHILADELPHIA, Diamond Tool
2800 Greys Farry Ave., **19146**
(888) 879-3426

† **PHILADELPHIA,**
Regent Hydraulic & Machine Works, Inc.
4051 Cresson Street, **19127**
(215) 482-2050

PITTSBURGH, CTS Incorporated
3500 Liberty Ave., **15201**
(412) 681-6673

† **PITTSBURGH,** H K McJunkin Inc.
7724 Edgewood Ave., **15218**
(412) 271-5400
(Kollmann Only)

PITTSBURGH, Scott Electric Co.
39th & Butler Street, **15201**
(412) 687-5005

(PITTSBURGH) NEVILLE ISLAND,
Construction Rental & Supply
5601 Grand Ave., **15225**
(412) 269-9109

PUERTO RICO

† **SAN JUAN,** MacClimber Rental
Carretera 1 KM 25.5
(787) 749-8110

RHODE ISLAND

† **(PROVIDENCE) WARWICK,**
Electric Motor Service, Inc.
197 Chestnut St., **02880**
(401) 737-2534

SOUTH CAROLINA

ANDERSON, Carson's Nut-Bolt & Tool
603 McGee Rd., **29625**
(864) 622-1080

COLUMBIA, Richland Industrial
919 Catawba Street, **29201**
(803) 252-3360

WEST COLUMBIA, Mann Tool & Supply
802 Chris Drive, **29169**
(803) 252-7777 (800) 356-6266

Ⓣ **SUMTER,** Jet Vac Sewer Equipment
5746 Broad Street, **29154**
(803) 494-4430

TENNESSEE

NASHVILLE, Hermitage Tool, Inc.
1034 4th Ave., S., **37210**
(615) 254-0820

NASHVILLE, Power Tool Service.
1106 Elm Hill Pike, Suite 130, **37210**
(615) 255-8228

Ⓣ **(NASHVILLE) LEBANON,**
Tracer Electronics. LLC
6981 Eastgate Blvd., **37090**
(615) 285-3952

TEXAS

† **AUSTIN,** Austin Tool, Inc.
210 Industrial Blvd., **78745**
(512) 447-4905

CORPUS CHRISTI, Corpus Christi Power Tool & Repair
3701 Agnes Street, **78405**
(361) 883-1117

CORPUS CHRISTI, Bush Hydraulics
2012 N. Lexington Blvd., **78409**
(361) 289-0441 (800) 580-2874

† **DALLAS,** Big D Tool Center, Inc.
• 8740 West John Carpenter Freeway, **75247**
(214) 631-3731

HOUSTON, Hydraulic Equipment Service Co.
1021 N. San Jacinto St., **77002**
(713) 228-9601

† **MISSOURI CITY,** Tool Mart, Inc.
13721 S. Gessner #200, **77489**
(713) 222-8665

LUBBOCK, Lubbock Electric Company, Inc.
1108 34th St., **79411**
(806) 744-2336

ODESSA, Ace Specialties Inc.
302 Industrial, **79763**
(432) 332-0691

ODESSA, Engine Service & Supply Co.
1902 N. Andrews Highway, **79761**
(432) 337-2386 (800) 441-0636

PASADENA, Hurricane Tool & Supply
2330 Pasadena Blvd., **77502**
(281) 476-5530

PHARR, American Ind. Supply & Tool Repair
1101-A West Business 83, **78577**
(956) 702-4410

Ⓣ **ROCKWALL,** Utility Equ. Tech. Inc.
382 Stevens Road, **75032**
(972) 771-8958

SAN ANTONIO,
Electric Motor Service & Sales
1514 E. Commerce, **78205**
(210) 226-3462

† **SAN ANTONIO,** Tool Mart Inc.
10568 Sentinal Street, **78217**
(210) 655-6116

UTAH

† **MIDVALE,** A1 Industrial Tool and Service
7036 South High Tech Dr., **84070**
(801) 561-4455, Ext. 211

SALT LAKE CITY,
Diamond Electric Motor Repair
1465 South 300 West, **84115**
(801) 484-4325 (888) 485-4325

VERMONT

SOUTH BARRE, Reynolds & Sons Inc.
47 Bridge Street, **05670**
(802) 479-0101

VIRGINIA

NORFOLK, Bryan Electric Company, Inc.
424 W, 25th St., **23517**
(757) 625-2525

† **RICHMOND,** Hajoca Corporation.
3000 Cofer Rd., **23234**
(804) 231-5790

RICHMOND, Roy's Electric Motor Service
3201 Norfolk St., **23230**
(804) 355-5713

SINGERS GLEN,
Kauffman Family Tool Repair
10706 Morning View Rd., **22850**
(540) 820-4879

Ⓣ **VIRGINIA BEACH,**
Tidewater Valve & Fitting, Inc.
1373 London Bridge Rd., **23453**
(757) 340-3181

WASHINGTON

† **SEATTLE,** Ballard Hardware & Supply
• 4760 Ballard Ave., NW, **98127**
(206) 783-6626

† **SPOKANE,** Edge Construction Repair
1507 E. Riverside, **99220**
(509) 535-9841 (800) 348-4808

TACOMA, Center Electric Co.
1212 S. 30th St., **98409**
(253) 383-4416

WEST VIRGINIA

(CHARLESTON) POCA,
Ohio Tool Systems, Inc.
165 Jacobson Drive, **25159**
(304) 755-5030

HUNTINGTON, Lawter Electric Motor Co.
202 Adams Ave, **25701**
(304) 522-8297

WISCONSIN

GREEN BAY, T&A Industrial
1180 Ashwaubenon St., **54304**
(920) 983-4480

† **PEWAUKEE,** Jensen Equipment Co., Inc.
• N.27 W23015 Roundy Dr., **53072**
(262) 547-5548 (800) 875-8875

CANADA

ALBERTA

• **CALGARY,** Power Tool Klinic LTD.
#11 -2219, 35th Ave. N.E., **T2E 6W3**
(403) 276-4633

Ⓣ **CALGARY,**
Industrial Power Tool Maintenance, LTD
4115 - 64th Ave SE., Suite 8, **T2C 2C8**
(403) 261-0780

EDMONTON, Century Vallen
4810 - 92 Ave., **T6B 2X4**
(780) 468-3366

† **EDMONTON,** Celtic Industrial Tools Ltd.
5736 - 103A St., **T6H 2J5**
(780) 431-0970

Ⓣ **EDMONTON,** Jacal Technologies
7427-67th St. NW, **T6B 2J3**
(780) 940-1502

BRITISH COLUMBIA

† **BURNABY,** West Coast Tool
4008 Myrtle St., **V5C 4G2**
(604) 873-5394

DELTA, Rapid Tool Repair
28-7621 Vantage Way, **V4G 1A6**
(604) 940-8603

† **LANGLEY,** Raider Hansen
• 5736 Production Way **V3A 4N4**
(604) 530-0224

Ⓣ **VICTORIA,** Pangco Electronic Services
101-3296 Tennyson Ave, **V8Z 3P3**
(250) 475-0001

MANITOBA

† **WINNIPEG,** Itech Tools
Unit B, 171 Cole Ave., **R2L 2C5**
(204) 777-7372

NEWFOUNDLAND AND LABRADOR

† **ST. JOHN'S,** Rideout Tool & Machine Inc.
222 Kenmount Road, **A1B 3R2**
(709) 754-2240

NOVIA SCOTIA

† **DARTMOUTH,**
Deiters Tool & Saw Service, LTD
109 Ilsley Ave. Unit 10, **B3B 1S8**
(902) 468-4888

ONTARIO

† **LONDON,** Pryde Industrial Inc.
187 Exeter Rd, **N6L 1A4**
(519) 690-1111

† **OTTAWA,** Mytek Power Tools
1541 Star Top Rd., **K1B 3W5**
(613) 749-7294

† **(HAMILTON) STONEY CREEK,**
• Charles Jones Industrial Ltd.,
237 Arvin Ave., **L8E 5S6**
(905) 664-8448

SARNIA, Serv-A-Tool & Repairs
504 McGregor Rd., **N7T 7H5**
(519) 344-8837

† **(TORONTO) WESTON,**
Pipe Tools Repair & Service Centre Ltd.
114 Rivalda Rd., **M9M 2M8**
(416) 749-5830

SASKATCHEWAN

† **SASKATOON,** Sask Tool Repair LTD
311A - 47th Street, East, **57K 5H2**
(306) 244-9981

QUEBEC

Ⓣ **QUEBEC CITY,** DNR Electronique
57 Marie Del'Incarnation, **G1N 3E9**
(418) 681-5055

† **MONTREAL,** Leger Hoist Equipment, Inc.
7995 17th Ave., **H1Z 3R2**
(514) 376-3050

† **(MONTREAL) LAVAL,**
Centre de Reparations Hydrauliques
Uptown Ltee
1213 Rue Tellier, **H7C 2H1**
(450) 664-1111 or 1-800-363-7956

† **ST. MICHEL,** Wolseley
7711 17E Avenue, **H2A 254**
(514) 723-4696

SHERBROOKE, Do-Mar Electrique Inc.
1136 Rue King Est, **J1G 1E4**
(819) 563-2234

Ⓣ SeeSnake ONLY † Authorized SeeSnake Repair Center • Authorized Pressing Repair Center

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What is covered
RIDGID® tools are warranted to be free of defects in workmanship and material.

How long coverage lasts
This warranty lasts for the lifetime of the RIDGID® tool. Warranty coverage ends when the product becomes unusable for reasons other than defects in workmanship or material.

How you can get service
To obtain the benefit of this warranty, deliver via prepaid transportation the complete product to RIDGE TOOL COMPANY, Elyria, Ohio, or any authorized RIDGID® INDEPENDENT SERVICE CENTER. Pipe wrenches and other hand tools should be returned to the place of purchase.

What we will do to correct problems
Warranted products will be repaired or replaced, at RIDGE TOOL'S option, and returned at no charge; or, if after three attempts to repair or replace during the warranty period the product is still defective, you can elect to receive a full refund of your purchase price.

What is not covered
Failures due to misuse, abuse or normal wear and tear are not covered by this warranty. RIDGE TOOL shall not be responsible for any incidental or consequential damages.

How local law relates to the warranty
Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary, from state to state, province to province, or country to country.

No other express warranty applies
This FULL LIFETIME WARRANTY is the sole and exclusive warranty for RIDGID® products. No employee, agent, dealer, or other person is authorized to alter this warranty or make any other warranty on behalf of the RIDGE TOOL COMPANY.

Ce qui est couvert
Les outils RIDGID® sont garantis contre tous vices de matériaux et de main d'oeuvre.

Durée de couverture
Cette garantie est applicable durant la vie entière de l'outil RIDGID®. La couverture cesse dès lors que le produit devient inutilisable pour raisons autres que des vices de matériaux ou de main d'oeuvre.

Pour invoquer la garantie
Pour toutes réparations au titre de la garantie, il convient d'expédier le produit complet en port payé à la RIDGE TOOL COMPANY, Elyria, Ohio, ou bien le remettre à un réparateur RIDGID® agréé. Les clés à pipe et autres outils à main doivent être ramenés au lieu d'achat.

Ce que nous ferons pour résoudre le problème
Les produits sous garantie seront à la discrétion de RIDGE TOOL, soit réparés ou remplacés, puis réexpédiés gratuitement ; ou si, après trois tentatives de réparation ou de remplacement durant la période de validité de la garantie le produit s'avère toujours défectueux, vous aurez l'option de demander le remboursement intégral de son prix d'achat.

Ce qui n'est pas couvert
Les défaillances dues au mauvais emploi, à l'abus ou à l'usure normale ne sont pas couvertes par cette garantie. RIDGE TOOL ne sera tenue responsable d'aucuns dommages directs ou indirects.

L'influence de la législation locale sur la garantie
Puisque certaines législations locales interdisent l'exclusion des dommages directs ou indirects, il se peut que la limitation ou exclusion ci-dessus ne vous soit pas applicable. Cette garantie vous donne des droits spécifiques qui peuvent être éventuellement complétés par d'autres droits prévus par votre législation locale.

Il n'existe aucune autre garantie expresse
Cette GARANTIE PERPETUELLE INTEGRALE est la seule et unique garantie couvrant les produits RIDGID®. Aucun employé, agent, distributeur ou tiers n'est autorisé à modifier cette garantie ou à offrir une garantie supplémentaire au nom de la RIDGE TOOL COMPANY.

RIDGID
FULL LIFETIME WARRANTY
Against Material Defects & Workmanship

FULL LIFETIME WARRANTY (garantie légale étendue à la durée de vie du produit, voir conditions de garantie / legal warranty extended to the product lifecyle, see warranty conditions)

Parts are available online at Store.RIDGID.com

Technical Service: 800-519-3456
(Product Application Assistance)

Visit our web sites: RIDGID.com and Store.RIDGID.com

Ridge Tool Company
400 Clark Street
Elyria, Ohio 44035-6001
U.S.A.

Qué cubre
Las herramientas RIDGID® están garantizadas contra defectos de la mano de obra y de los materiales empleados en su fabricación.

Duración de la cobertura
Esta garantía cubre a la herramienta RIDGID® durante toda su vida útil. La cobertura de la garantía caduca cuando el producto se torna inservible por razones distintas a las de defectos en la mano de obra o en los materiales.

Cómo obtener servicio
Para obtener los beneficios de esta garantía, envíe mediante porte pagado, la totalidad del producto a RIDGE TOOL COMPANY, en Elyria, Ohio, o a cualquier Servicentro Independiente RIDGID®. Las llaves para tubos y demás herramientas de mano deben devolverse a la tienda donde se adquirieron.

Lo que hacemos para corregir el problema
El producto bajo garantía será reparado o reemplazado por otro, a discreción de RIDGE TOOL, y devuelto sin costo; o, si aún resulta defectuoso después de haber sido reparado o sustituido tres veces durante el período de su garantía, Ud. puede optar por recibir un reembolso por el valor total de su compra.

Lo que no está cubierto
Esta garantía no cubre fallas debido al mal uso, abuso o desgaste normal. RIDGE TOOL no se hace responsable de daño incidental o consiguiente alguno.

Relación entre la garantía y las leyes locales
Algunos estados de los EE.UU. no permiten la exclusión o restricción referente a daños incidentales o consiguientes. Por lo tanto, puede que la limitación o restricción mencionada anteriormente no rija para Ud. Esta garantía le otorga derechos específicos, y puede que, además, Ud tenga otros derechos, los cuales varían de estado a estado, provincia a provincia o país a país.

No rige ninguna otra garantía expresa
Esta GARANTIA VITALICIA es la única y exclusiva garantía para los productos RIDGID®. Ningún empleado, agente, distribuidor u otra persona está autorizado para modificar esta garantía u ofrecer cualquier otra garantía en nombre de RIDGE TOOL COMPANY.

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