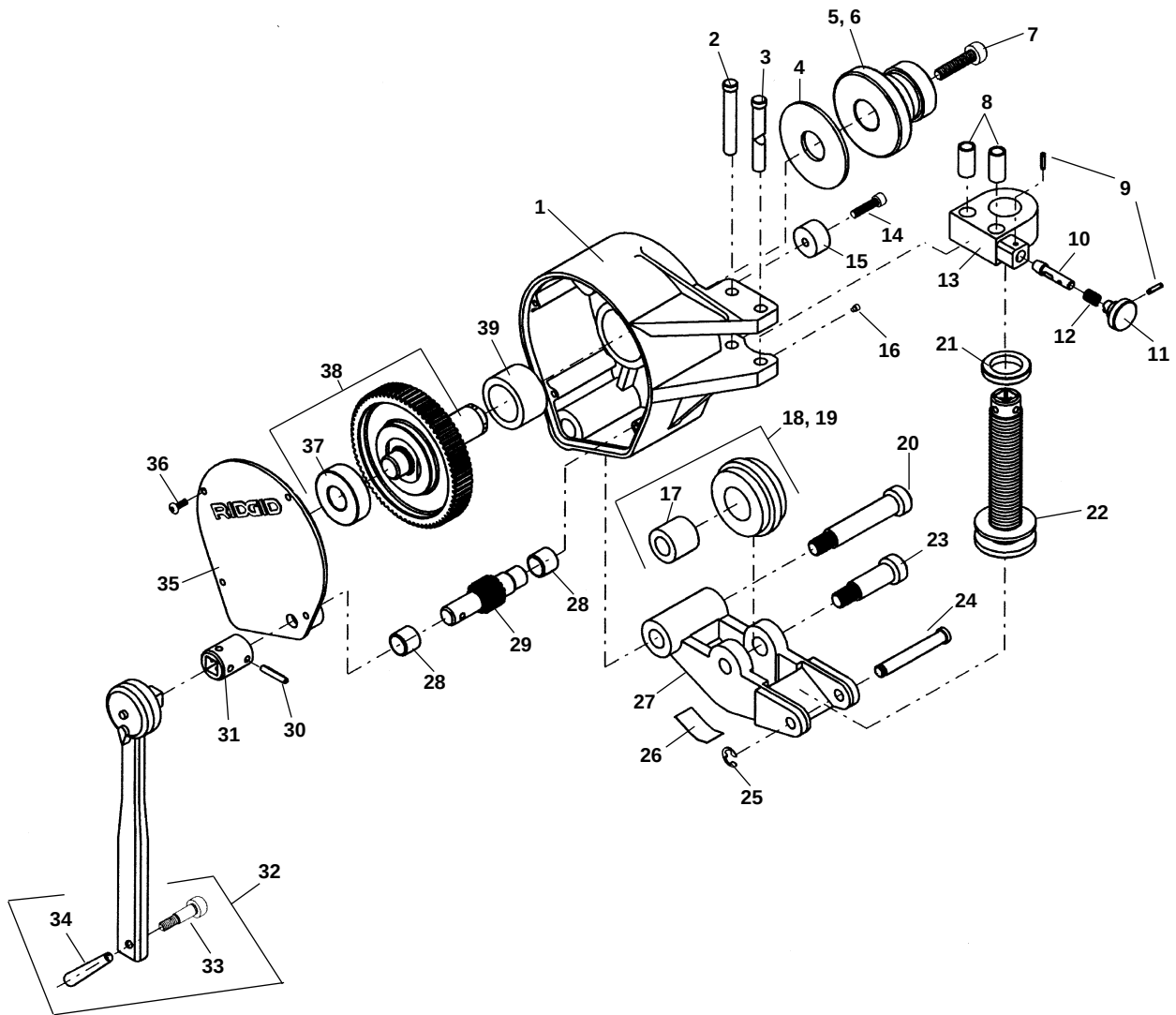
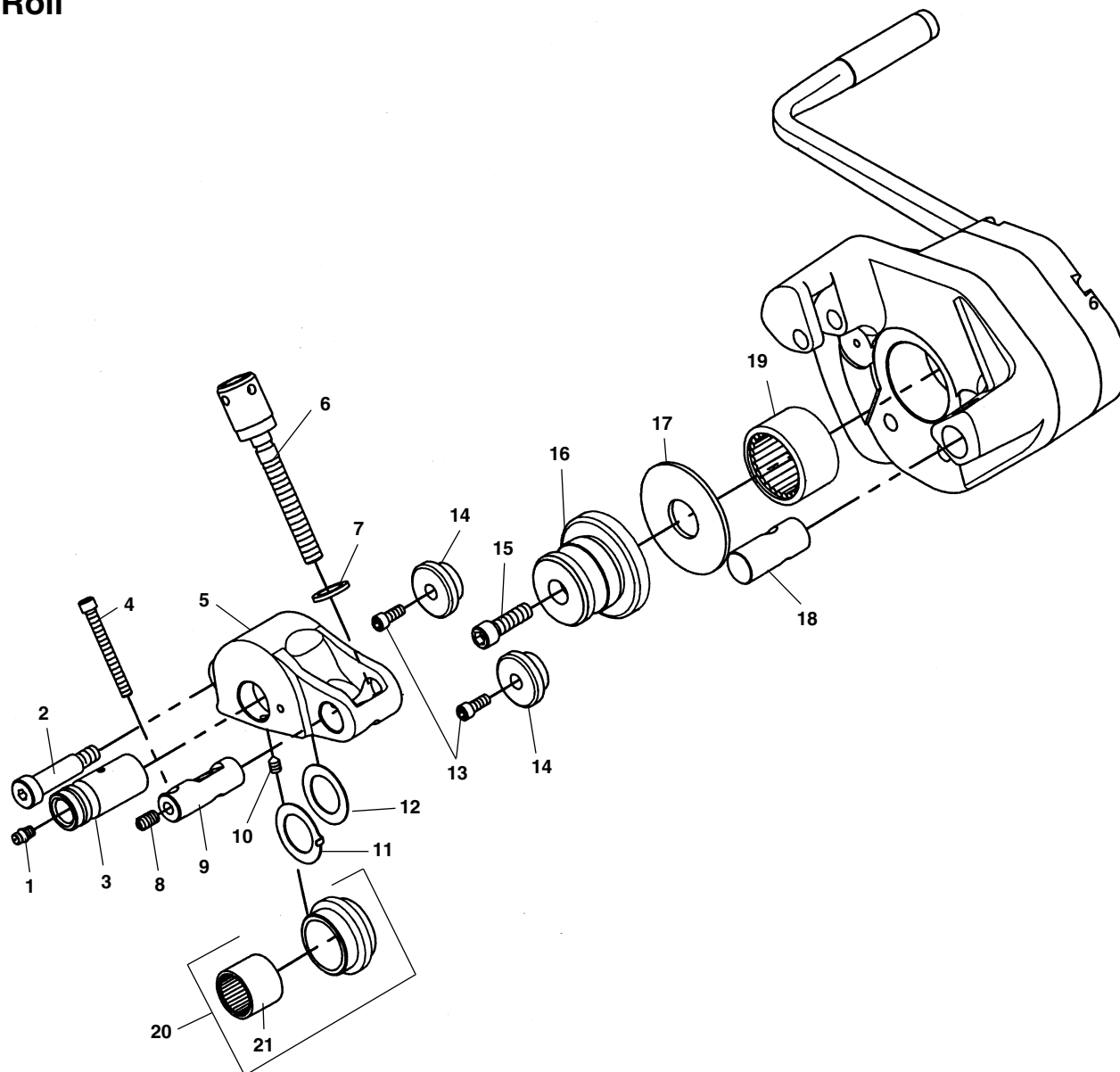




**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	59847	914 Roll Groover	18	61002	Groove Roll (Includes Ref. #17)
—	59932	914 Roll Groover for Copper	19	61007	Groove Roll f/Copper (Includes Ref. #17)
1	60922	Gear Housing (Includes Ref. #13, 14, 26, 37)	20	62502	1 1/4"-1 1/2" Groove Roll (Includes Ref. #17)
	60932	Gear Housing f/Copper (Includes Ref. #13, 14, 26, 37)	21	61017	Shoulder Bolt 5/8" x 3 3/4"
2	60937	Rear Slide Shaft	22	61022	Adjustment Knob
3	60942	Front Slide Shaft	23	61027	Feed screw
4	60947	Thrust Washer	24	61032	Shoulder Bolt 5/8" x 1 1/2"
5	60952	Drive Roll	25	61037	Pin & Clip
	60957	Drive Roll f/Copper	26	61042	Retaining Ring
6	62507	1 1/4"-1 1/2" Drive Roll	27	62537	Depth Adjustment Label
7	46745	Soc. Head Cap Screw 3/8" - 16 x 1 1/4"		62542	Depth Adjustment Label for Copper
8	60967	Sleeve Bearing (2)	28	61047	Reaction Arm
9	34332	Roll Pin 1/8" x 5/8" (2)	29	61052	Sleeve Bearing (2)
10	60972	Release Shaft	30	61057	Input Shaft
11	60977	Release Knob	31	41500	Roll Pin
12	60982	Release Spring	32	61062	Square Drive Adapter
13	60987	Release Block (Includes Ref. #8)	33	61067	Drive Ratchet (Includes Ref. #31 & 32)
14	83685	Soc. Head Cap Screw 1/4"-20 x 1" (2)	34	27037	Shoulder Bolt
15	60992	Stabilizer (2)	35	61747	Ratchet Handle
	60927	Stabilizer f/Copper (2)	36	61072	Cover Plate (Includes Ref. #26)
16	60997	Set Screw 10-24 (2)	37	39542	Button Head Screw 10-24 x 1/2"
17	61012	Needle Bearing	38	44620	Ball Bearing
			39	61082	Output Shaft Assembly (Includes Ref. #35)
				87710	Roller Bearing

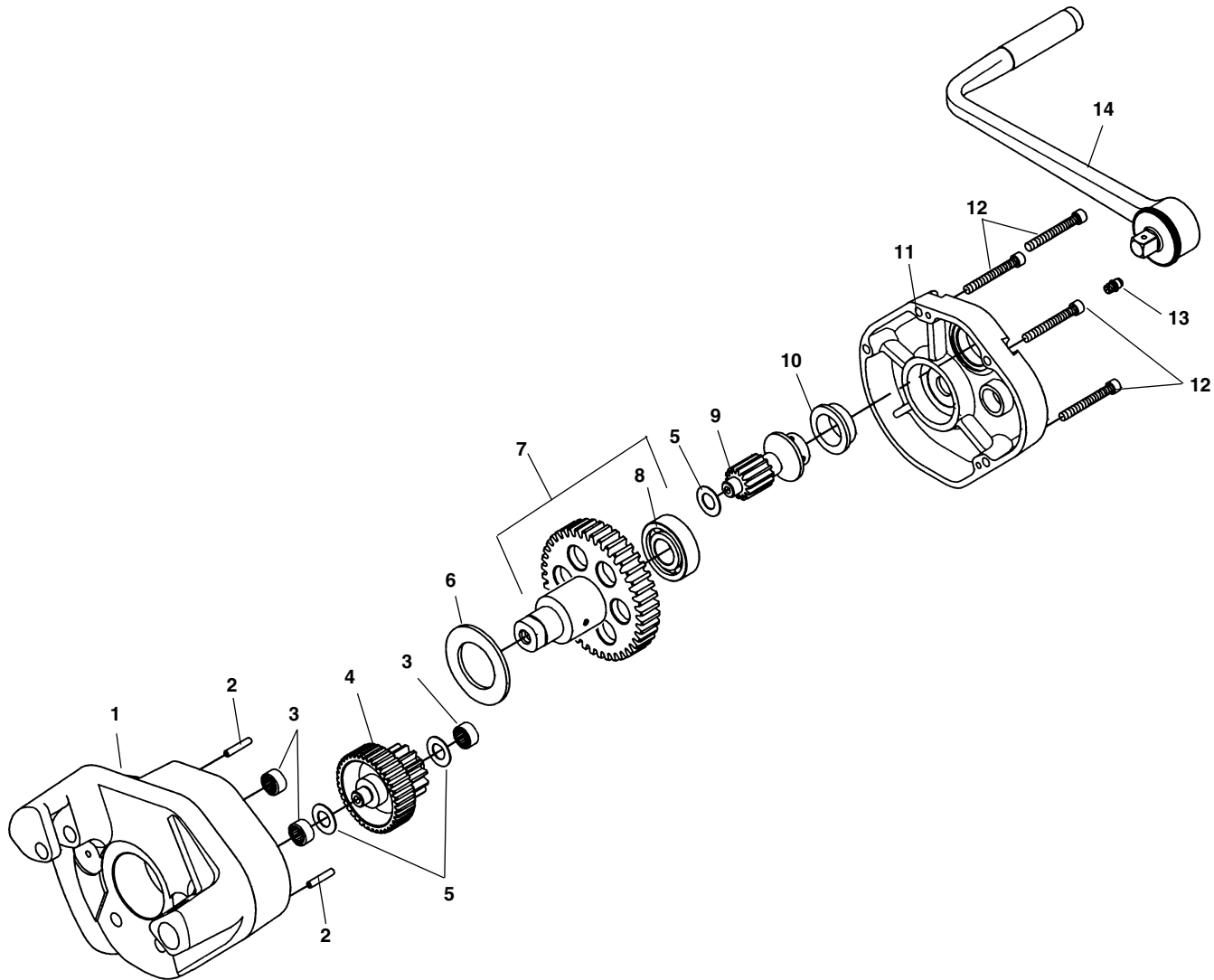
Drive Roll



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	88232	915 Roll Groover	12	93652	Thrust Washer
1	46860	Grease Fitting (2)	13	32205	Screw, 1/4" - 20 x 5/8"
2	93602	Shoulder Screw	14	93752	Stabilizer, 2" - 6" (2)
3	93607	Groove Roll Pin		93867	Stabilizer, 8" - 12" (2)
4	93622	Screw, Socket Head, 1/4" - 20 x 2 1/4" (1)	15	46745	Hex Soc Cap Screw 3/8" - 16 x 1 1/4" (1)
5	93627	Reaction Arm	16	93757	Drive Roll 2" - 6" Sch. 10, 2" - 3 1/2" Sch. 40
6	93632	Feed Screw	17	93762	Drive Roll Thrust Washer
7	93657	Load Thrust Washer	18	93767	Pivot Nut Pin
8	93612	Ball Detent, 5/16" - 18 (1)	19	87610	Bearing, Roller
9	93617	Pivot Pin	20	93642	Groove Roll 2" - 6" Sch. 10, 2" - 3 1/2" Sch. 40
10	45187	Set Screw, Socket Head	21	45172	Bearing
11	93647	Locking Thrust Washer			

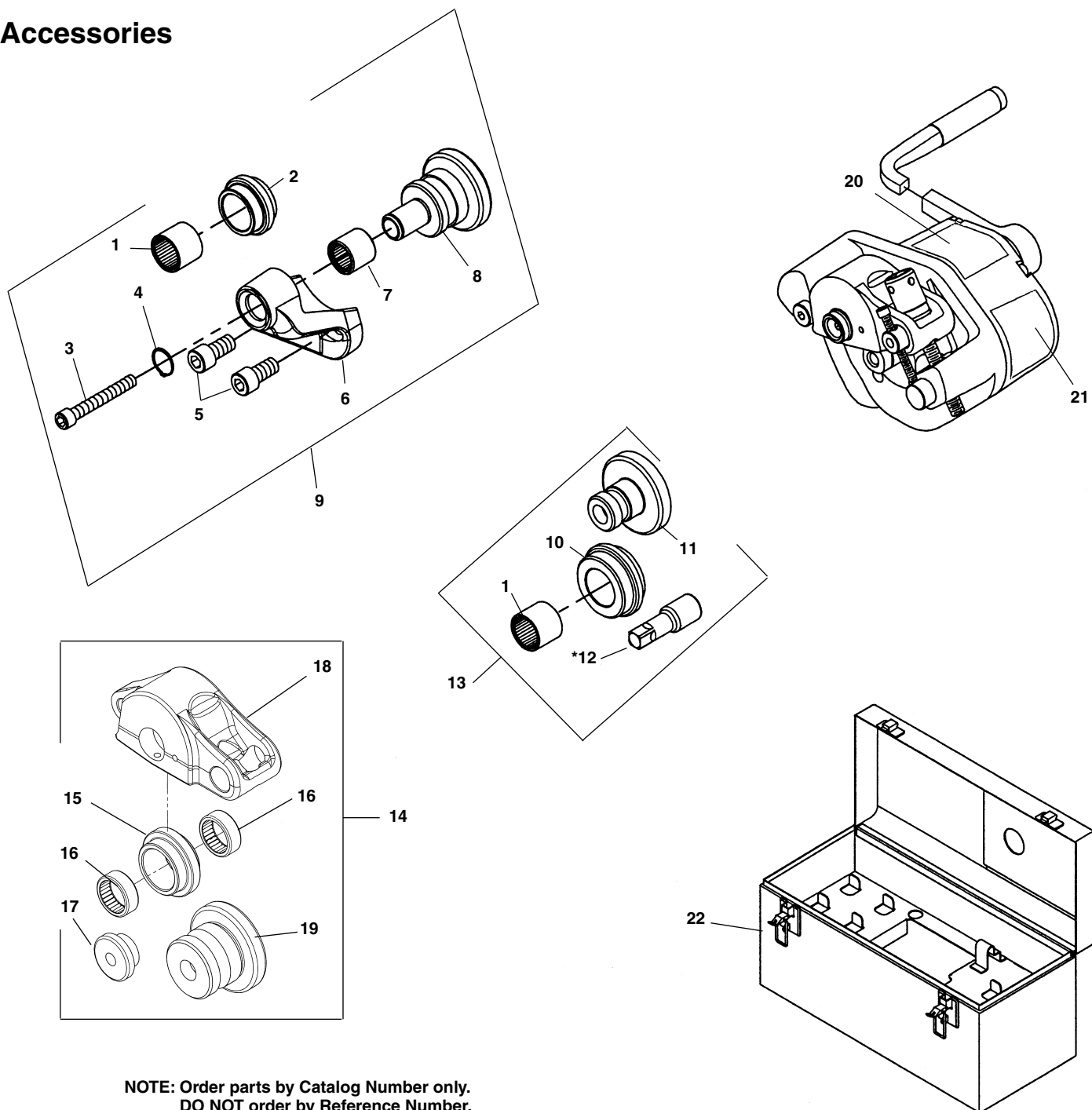
Main Housing



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	93772	Main Housing	8	44620	Bearing, Ball
2	77097	Pin (4)	9	93807	Input Drive Pinion
3	93777	Needle Roller Bearing (3)	10	93812	Bronze Flange Bearing
4	93787	Intermediate Gear Cluster	11	93817	Rear Cover
5	93782	Thrust Bearing Washer (3)	12	40657	Screw, 1/4" - 20 x 1 1/2" (4)
6	93792	Bronze Thrust Bearing	13	46860	Drive Grease Fitting (2)
7	16408	Drive Shaft Assembly	14	92202	Ratchet, 1/2" Drive 90°

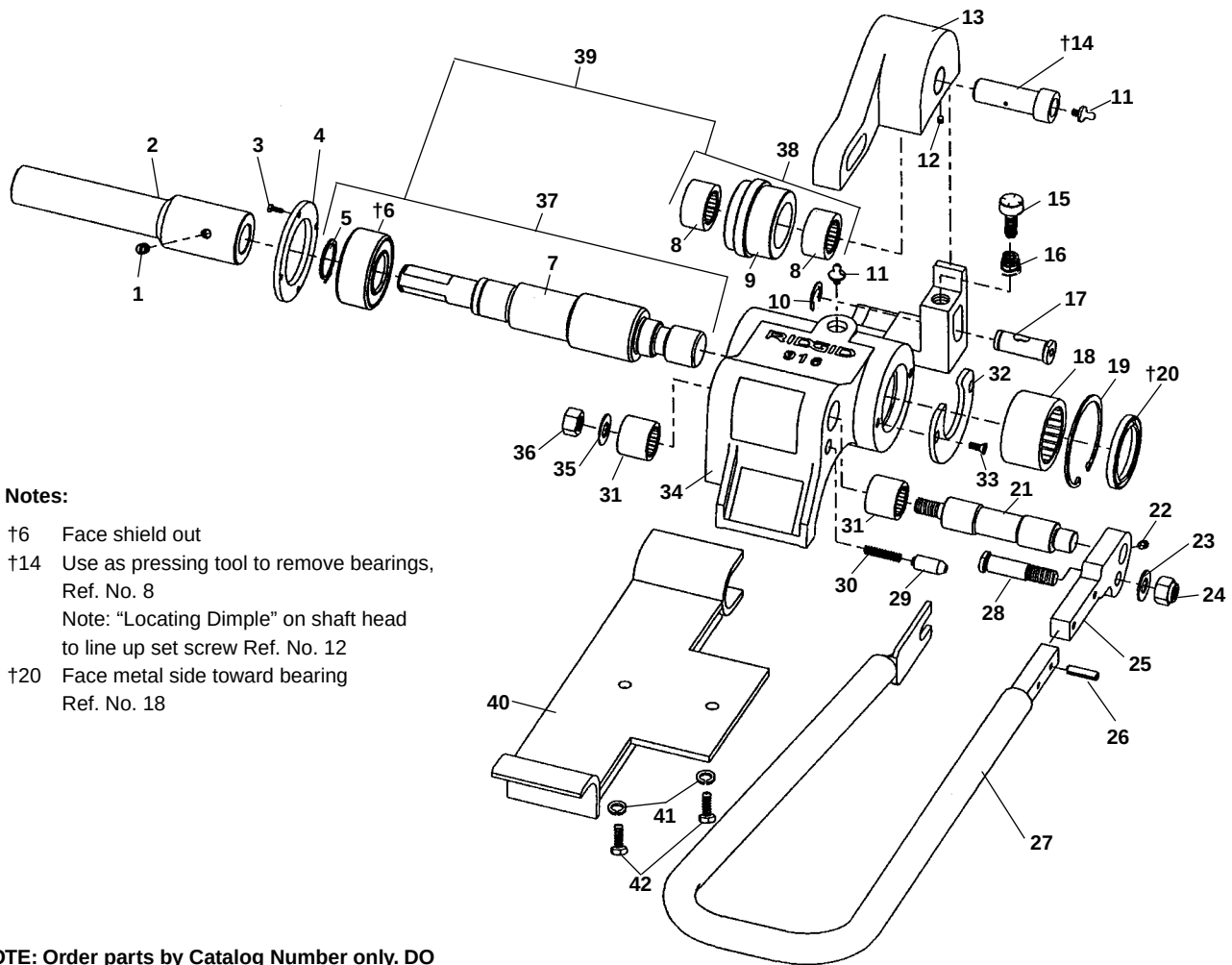
Accessories



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	45172	Bearing	13	92437	1 1/4" - 1 1/2" Groove Roll Set
2	93887	Groove Roll 4" - 6" Sch. 40	14	92452	2" - 8" Copper 915 Groove Roll Set
	93862	Groove Roll 8" - 12" Sch. 10	15	93892	Copper Groove Roll 2" - 8"
3	93847	Screw 3/8" - 16 x 2 3/4"	16	10368	Bearing Needle Roller (2)
4	93852	External Retaining Ring	17	10373	Copper Stabilizer
5	93857	Screw, 1/2" - 12 x 1" (2)	18	10378	Copper Reaction Arm
6	93872	Support, Drive Roll	19	93897	Copper Drive Roll 2" - 8"
7	93877	Bearing, Needle Roller	20	93822	Operating Instructions Decal
8	93902	Drive Roll 4" - 6" Sch. 40	21	93827	Warning Decal
	93882	Drive Roll 8" - 12" Sch. 10	22	93497	915 Tool Box
9	92447	4" - 6" Sch. 40 Groove Roll Set	* Note Items Not Shown		
	92442	8" - 12" Sch. 10 Groove Roll Set			
10	93837	Groove Roll 1 1/4" - 1 1/2"			
11	93832	Drive Roll 1 1/4" - 1 1/2"			
12	93842	Extension, 1/2" Drive (for 1 1/4" - 1 1/2" Roll Set)			
			*	49087	1/8" T-Hndle Hex Key
			*	46045	5/16" Hex Key
			*	46030	3/16" Hex Key
			*	46190	1/4" Hex Key

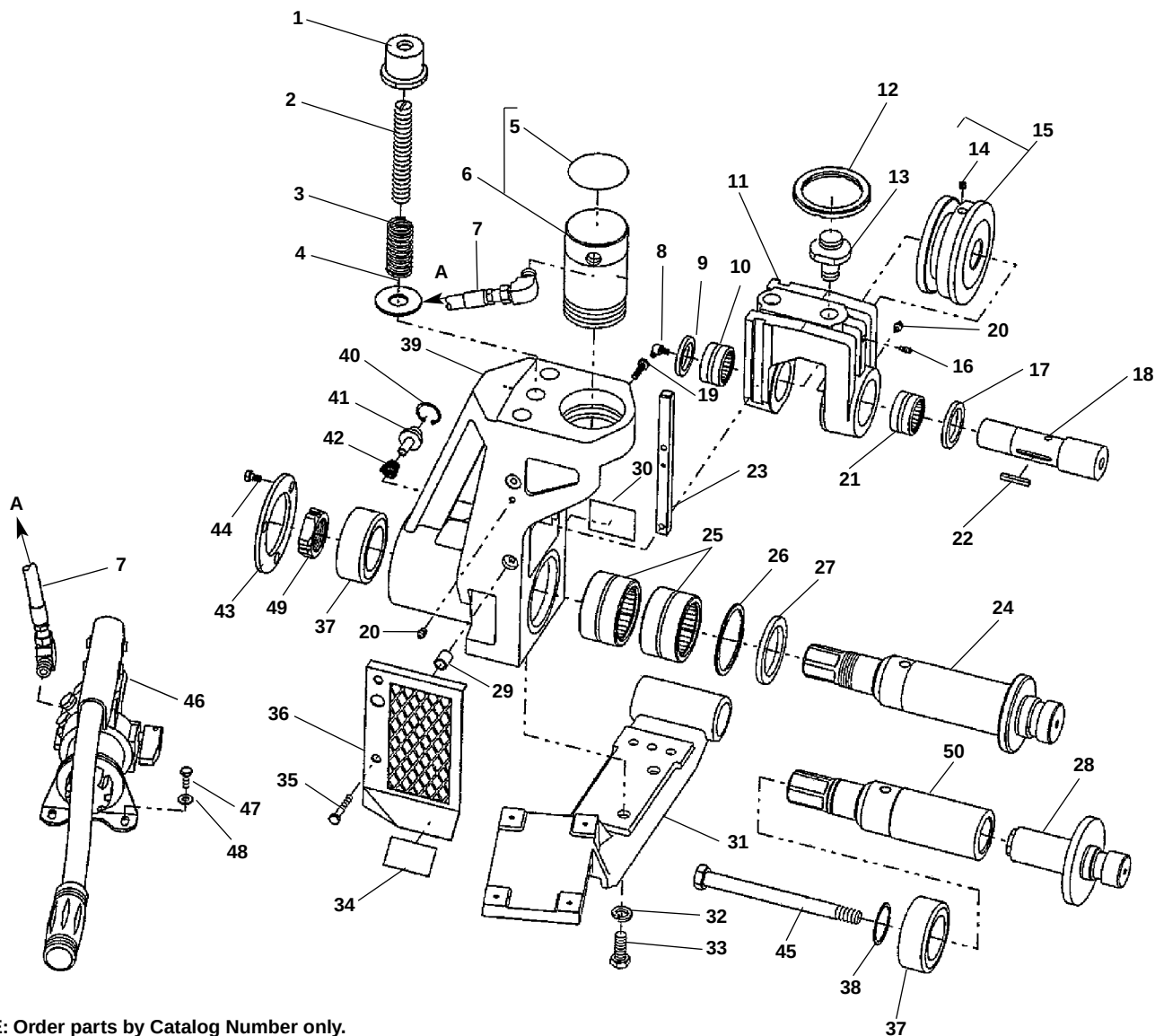
Notes


Service Notes:

- Ref. No. †6 Face shield out
 Ref. No. †14 Use as pressing tool to remove bearings,
 Ref. No. 8
 Note: "Locating Dimple" on shaft head
 to line up set screw Ref. No. 12
 Ref. No. †20 Face metal side toward bearing
 Ref. No. 18

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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	48497	Screw $\frac{3}{16}$ " - 16 x $\frac{1}{2}$ " (2)	25	47037	Drive Link
2	48442	Coupling - Short	26	87940	Roll Pin (2)
	66547	Coupling - Long	27	45137	Handle
3	45207	Hex Hd Screw 10 - 32 x $\frac{1}{2}$ " (4)	28	45182	Drive Pin
4	45202	Retaining Plate	29	47027	Detente Pin
5	45152	Retaining Ring	30	47032	Detente Spring
†6	45147	Double Roll Ball Bearing	31	45172	Drive Link Bearing (2)
7	45122	Drive Shaft	32	70682	Positioning Plate (Europe Only)
	45652	Drive Shaft f/Copper Tubing	33	27242	Screw 10 - 32 x $\frac{1}{2}$ " (2) (Europe Only)
	45662	Drive Shaft f/1" Pipe	34	48437	Lower Roll Housing f/1822 Includes Ref. No. 11
	69647	Drive Shaft $1\frac{1}{4}$ to $1\frac{1}{2}$ (AWWA)		48507	Lower Roll Housing f/300 Includes Ref. No. 11
	69672	Drive Shaft 2 to 6 (AWWA)		70687	Lower Roll Housing f/positioning plate (Europe Only)
8	45167	Hd Caged Roller Bearing (2)	35	83420	Flat Washer
9	45127	Grooving Roll	36	78005	Hex Stop Nut $\frac{1}{2}$ " - 13 (2)
	45657	Grooving Roll f/Copper Tubing	37	45397	Drive Shaft Assembly
	45667	Grooving Roll f/1" Pipe		45557	Drive Shaft Assembly f/Copper Tubing
	69652	Grooving Roll $1\frac{1}{4}$ to $1\frac{1}{2}$ (AWWA)		45572	Drive Shaft Assembly f/1" Pipe
	69677	Grooving Roll 2 to 6 (AWWA)		69657	Drive Shaft Assembly $1\frac{1}{4}$ to $1\frac{1}{2}$ (AWWA)
10	42580	Retaining Ring		69682	Drive Shaft Assembly 2 to 6 (AWWA)
11	46860	Grease Fitting	38	45587	Grooving Roll Assembly w/Bearing
12	45187	Cone Pt. Screw 10 - 32 x $\frac{1}{4}$ "		45562	Grooving Roll Assembly w/Bearing f/Copper Tubing
13	45112	Upper Roll Housing		45577	Grooving Roll Assembly w/Bearing f/1" Pipe
†14	45132	Groove Roll Shaft includes Ref. No. 11		69662	Grooving Roll Assembly $1\frac{1}{4}$ to $1\frac{1}{2}$ (AWWA)
15	48447	Adjusting Screw		69687	Grooving Roll Assembly 2 to 6 (AWWA)
16	45402	Adjusting Screw Spring	39	45352	Roll Set f/Copper Tubing incl. Ref. No. 35 & 36
17	48452	Pivot Pin		45347	Roll Set f/1" incl. Ref. No. 35 & 36
18	45142	Caged Roller Bearing		69667	Roll Set $1\frac{1}{4}$ to $1\frac{1}{2}$ (AWWA)
19	45162	Retaining Ring		69692	Roll Set 2 to 6 (AWWA)
†20	45157	Front Seal		47492	Warning & Depth Adjusting Label
21	45117	Drive Link Shaft	40	61242	Base - 535
22	45192	Cone Pt. Screw $\frac{1}{4}$ " - 20 x $\frac{1}{2}$ "	41	40930	$\frac{3}{8}$ " Locker Washer
23	77720	Washer	42	46675	$\frac{3}{8}$ " x $\frac{3}{4}$ " Bolt
24	78005	Hex Stop Nut $\frac{1}{2}$ " - 13 (2)			



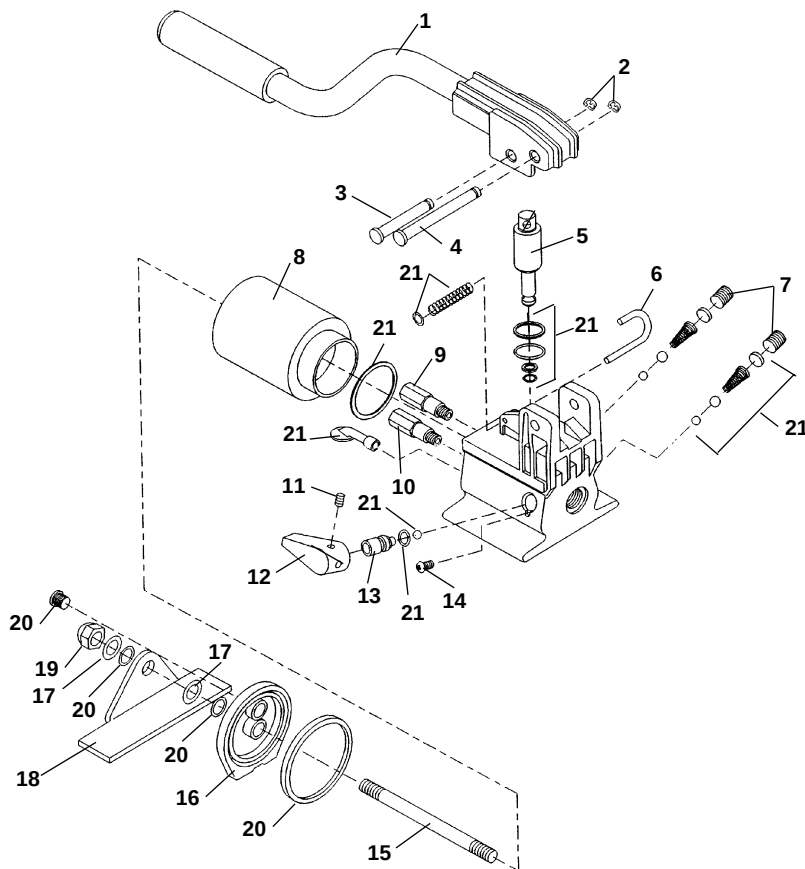
**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	49117	Depth Adjustment Nut	22	27002	Key, $\frac{3}{16}$ Sq. x $1\frac{5}{16}$	36	49197	Guard (Incls. Ref. 29)
2	49112	Depth Rod	23	49107	Set of 2 Slide Keys	37	49127	Bearing
3	49122	Spring	24	51427	Drive Shaft, 2-6" Sch. 10 & 40	38	49192	Spiral Retaining Ring
4	60995	Flat Washer, $\frac{3}{4}$ "		51432	Drive Shaft Assy. - same as above	39	49057	Lower Roll Housing (Incls. Ref. 20)
5	49262	Label, Depth Adjustment			and includes Ref. 37, 49	40	49177	Retaining Ring
6	49147	Hydraulic Cylinder		51817	Drive Shaft, 8-12" Sch 10, 8" Sch 40	41	49172	Lock Pin
7	49142	Hydraulic Hose		51812	Drive Shaft Assy. - same as above	42	49415	Spring
8	46915	Grease Fitting - 65 Deg.			and includes Ref. 37, 49	43	49132	Retaining Plate
9	87695	Seal	25	87600	Roller Bearing (2)	44	60265	Hex Screw, $\frac{1}{4}$ " - 20 x $\frac{1}{2}$ " (3)
10	87710	Roller Bearing	26	49187	Spiral Retaining Ring	45	49667	Hex Bolt $\frac{5}{8}$ " - 11 x 7"
11	49062	Upper Roll Housing (Incls. Ref. 9, 10, 16, 17, 20, 21)	27	91000	Seal	46	61132	Hydraulic Pump
12	49152	Lock Ring	28	49157	Drive Roll, 1"	47	60005	Hex Screw, $\frac{1}{4}$ " - 20 x $\frac{3}{4}$ " (4)
13	49082	Piston Rod Coupling		49072	Drive Roll, $1\frac{1}{4}$ " - $1\frac{1}{2}$ "	48	27402	Flat Washer (4)
14	45192	Set Screw, $\frac{1}{4}$ " - 20 x $\frac{3}{8}$ "		51732	Drive Roll, Copper 2" - 6"	49	49607	Bearing Retaining Nut
15	49162	Groove Roll, 1"	29	49202	Set of 2 Spacers	50	49067	Drive Shaft - for 1", $1\frac{1}{4}$ ", $1\frac{1}{2}$ " rolls and copper roll 2" - 6"
	49097	Groove Roll, $1\frac{1}{4}$ " - $1\frac{1}{2}$ "	30	49207	Label, Warning		49627	Drive Shaft Assy. - same as above and includes Ref. 37, 38, 45
	49217	Groove Roll 2" - 6" SC 10/40	31	48292	Mounting Base Kit - 300			
	51822	Groove Roll, 8" - 12" Sch. 10, 8" Sch. 40		48392	Mounting Base Kit - 1822			
	50127	Groove Roll, Copper 2" - 6"		48397	Mounting Base Kit - 1224			
16	45265	Set Screw, $\frac{1}{4}$ " - 20 x $\frac{1}{2}$ "		48402	Mounting Base Kit - 535			
17	87690	Seal		60212	Mounting Base Kit - 1233/300 Compact			
18	49102	Upper Roll Shaft (Incls. Ref. 8, 22)	33	45500	Hex Screw, $\frac{1}{2}$ " x $1\frac{1}{4}$ " (2)		49087	T-Handle Hex Key, $\frac{1}{8}$ "
19	49252	Hex Screw, $\frac{1}{4}$ " - 20 x 1" (2)	32	86445	Lock Washer, $\frac{1}{2}$ " (2)		49167	Coupling - 535/1822/1224
20	46860	Grease Fitting (4)	34	49257	Label, Warning		53987	Roll Storage Case
21	87610	Roller Bearing	35	49212	Hex Screw, $\frac{1}{4}$ " - 20 x $1\frac{3}{4}$ " (2)		54317	Box Wrench
							60232	Sander Bracket

Following Items Not Shown:

49087	T-Handle Hex Key, $\frac{1}{8}$ "
49167	Coupling - 535/1822/1224
53987	Roll Storage Case
54317	Box Wrench
60232	Sander Bracket

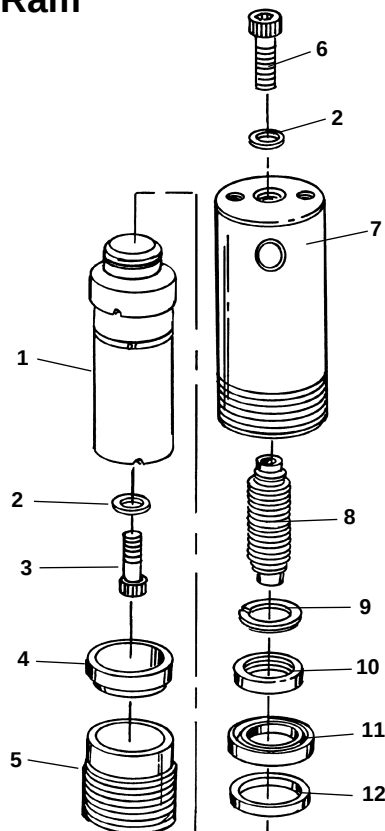
Hydraulic Pump, P392



**NOTE: Order parts by Catalog Number only.
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Ref. No.	Catalog No.	Description
—	61132	Pump Assembly, P392
1	64427	Handle Assembly
2	34245	Retaining Rings Set of 5
3	63762	Wrist Pin
4	64442	Pivot Pin
5	63817	Plunger Assembly
6	63747	Locking Pin
7	63742	Pipe Plug (2)
8	64412	Reservoir
9	63752	Low Pressure Relief
10	63757	High Pressure Relief
11	58720	Set Screws Set of 2
12	64437	Release Knob
13	63737	Valve Stem
14	64432	Stop Screw
15	64417	Tie Rod
16	63697	End Cap
17	63717	Washers Pack of 2
18	64422	Rear Foot
19	63707	Acorn Plug
20	63712	Fill Plug
21	63657	Repair Kit

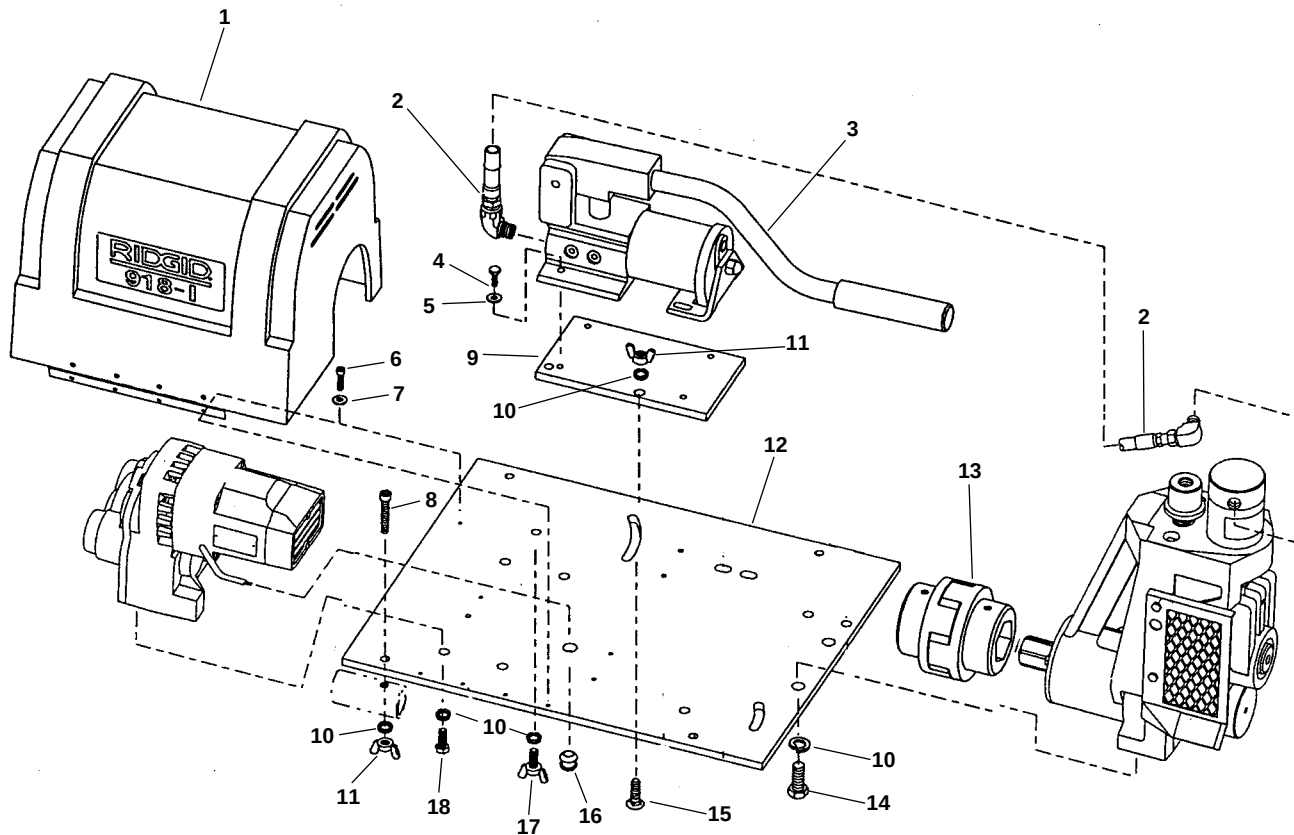
Hydraulic Ram



Ref. No.	Catalog No.	Description
1	48622	Piston Rod
2*	48617	Copper Washer (2)
3*	48612	Cap Screw 1/4" - 20 x 1 1/4" (Torque to 100 lbs.)
4*	48607	Rod Wiper
5	48602	Retainer Nut (Torque to 100 lbs)
6	48672	Cap Screw, 1/4" - 20 x 7/8" (Torque to 100 lbs.)
7	48667	Cylinder Body
8	48662	Extension Spring
9*	48652	Retaining Spring
10	48647	Slip Retainer
11*	48642	U-Cup Seal
12	48637	Backup Washer
—	48677	Repair Kit

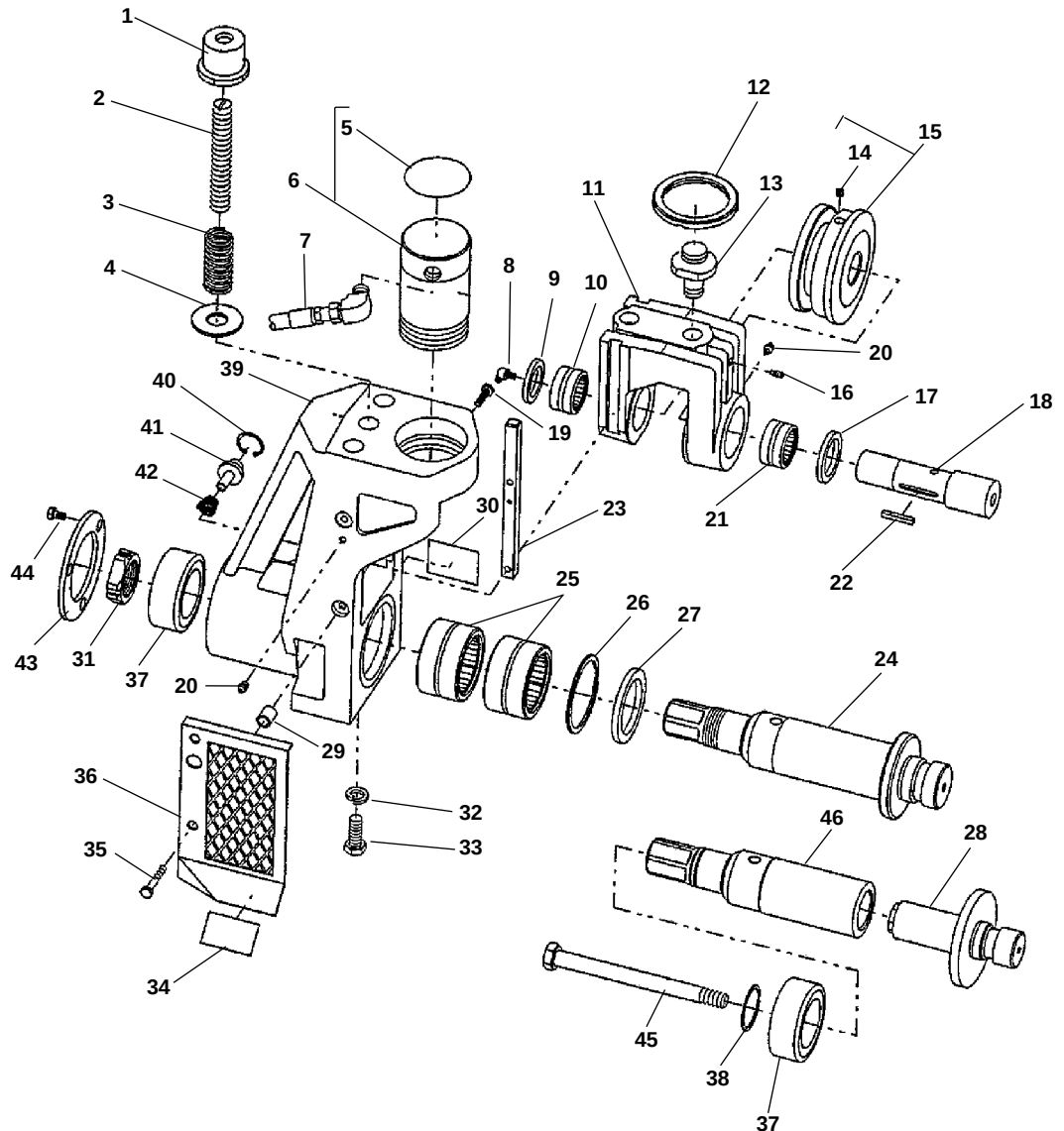
* Note: Items marked with an asterisk (*) are included in repair kit No. 48677

Base Assembly



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

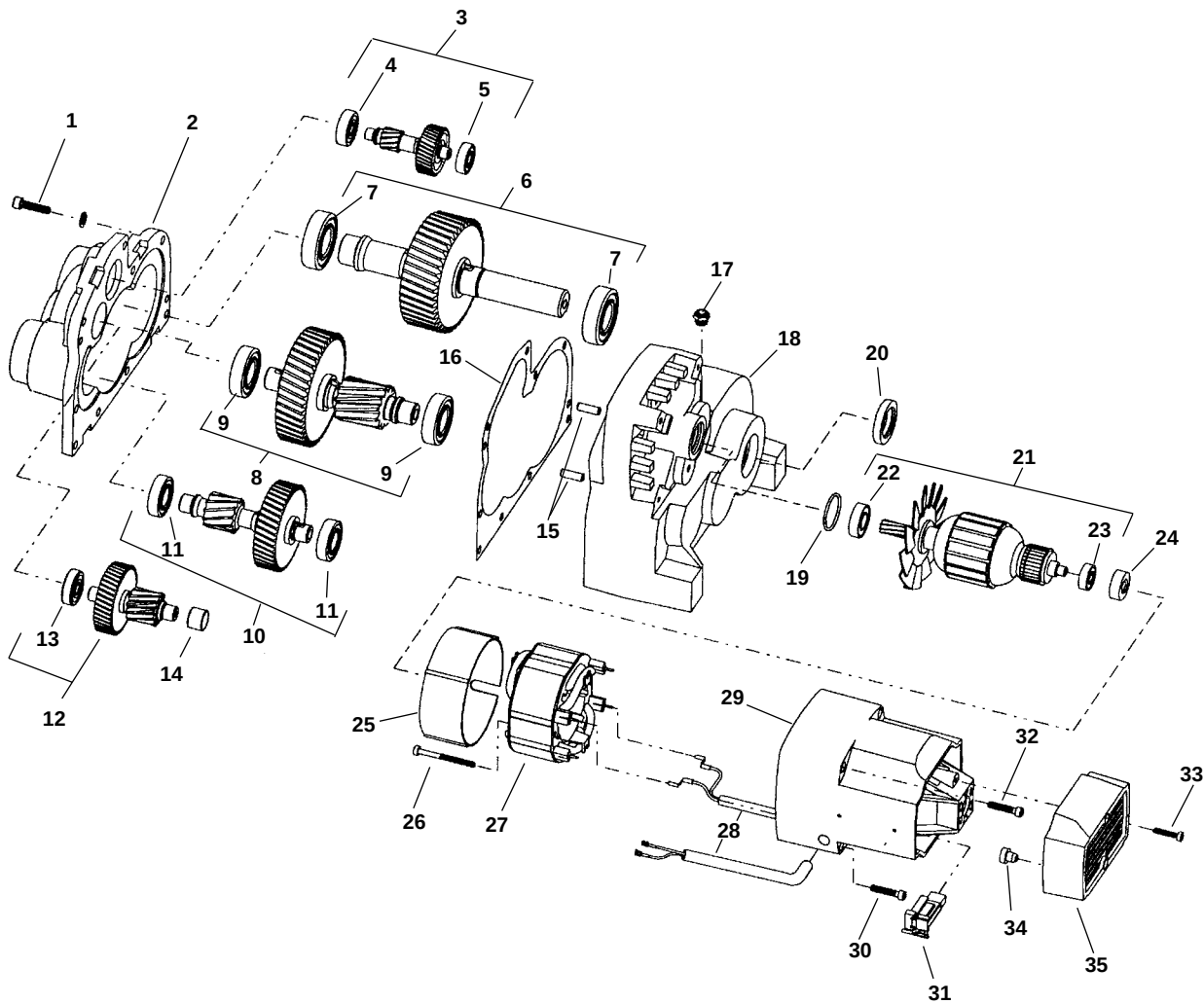
Ref. No.	Catalog No.	Description
1	65557	Motor Shroud
2	49142	Hydraulic Hose Assembly – 115V, 230V
	61372	Hydraulic Hose Assembly – 100V
3	61132	Hydraulic Pump Complete
4	60005	Hex Screw, $\frac{1}{4}$ " - 20 x $\frac{3}{4}$ " (4)
5	44740	Lock Washer $\frac{1}{4}$ " (4)
6	40260	Screws #10 - 24 x $\frac{1}{2}$ " S.H.C.S. (5)
7	45365	Flat Washer, #10 (5)
8	58052	Hex Screw, $\frac{3}{8}$ " - 16 x 2 $\frac{1}{2}$ " (4)
9	87527	Pump Mount Plate, 115V, 230V
	65552	Pump Mount Plate, 100V
10	40930	Lock Washer $\frac{3}{8}$ "
11	45385	Wing Nut, $\frac{3}{8}$ " - 16" (5)
12	65577	Base Plate
13	65567	Drive Coupling
14	45500	Hex Screw, $\frac{1}{2}$ " - 13 x 1 $\frac{1}{4}$ " (2)
15	61367	Plow Bolt
16	65112	Rubber Grommet
17	61362	Wing Screw, $\frac{3}{8}$ " - 16 x $\frac{3}{4}$ "
18	45470	Hex Screw $\frac{3}{8}$ " - 16 x 1"



**NOTE: Order parts by Catalog Number only.
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Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	49117	Depth Adjustment Nut	18	49102	Upper Roll Shaft (Incls. Ref. 8, 22)	34	49257	Label, Warning
2	49112	Depth Rod	19	49252	Hex Screw, 1/4" - 20 x 1" (2)	35	49212	Hex Screw, 1/4" - 20 x 1 3/4" (2)
3	49122	Spring	20	46860	Grease Fitting (4)	36	49197	Guard (Incls. Ref. 29)
4	60995	Flat Washer, 3/4"	21	87610	Roller Bearing	37	49127	Bearing
5	49262	Label, Depth Adjustment	22	27002	Key, 3/16" Sq. x 1 3/16"	38	49192	Spiral Retaining Ring
6	49147	Hydraulic Cylinder	23	49107	Set of 2 Slide Keys	39	49057	Lower Roll Housing (Incls. Ref. 20)
7	49142	Hydraulic Hose Assembly - 115V/230V	24	51427	Drive Shaft, 2" - 6" Sch 10 & 40	40	49177	Retaining Ring
8	46915	Grease Fitting - 65 Deg.	25	51432	Drive Shaft Assy. - same as above and includes Ref. 31, 37	41	49172	Lock Pin
9	87695	Seal	26	51817	Drive Shaft, 8" - 12" Sch. 10, 8" Sch 40	42	44915	Spring
10	87710	Roller Bearing	27	51812	Drive Shaft Assy. - same as above and includes Ref. 31, 37	43	49132	Retaining Plate
11	49062	Upper Roll Housing (Incls. Ref. 9, 10, 16, 17, 20, 21)	28	87600	Roller Bearing (2)	44	60265	Hex Screw, 1/4" - 20 x 1/2" (3)
12	49152	Lock Ring	29	49157	Drive Roll, 1 1/4" - 1 1/2"	45	49667	Hex Bolt 5/8" - 11 x 7"
13	49082	Piston Rod Coupling	30	49072	Drive Roll, 1 1/4" - 1 1/2"	46	49067	Drive Shaft - for 1", 1 1/4", 1 1/2" Rolls and Copper Roll 2" - 6"
14	45192	Cone Pt. Screw, 1/4" - 20 x 3/8"	31	51732	Drive Roll, Copper 2" - 6"	49627		Drive Shaft Assy. - same as above and includes Ref. 37, 38, 45
15	49162	Groove Roll, 1"	32	49202	Set of 2 Spacers	Following Items Not Shown:		
	49097	Groove Roll, 1 1/4" - 1 1/2"	33	49207	Label, Warning	49087		T-Handle Hex Key, 1/8"
	49217	Groove Roll 2" - 6" SC 10/40		49607	Bearing Retaining Nut	53987		Roll Storage Case
	51822	Groove Roll, 8" - 12" Sch. 10, 8" Sch 40		84150	Lock Washer, 1/2" (2)	54317		Box Wrench
	50127	Groove Roll, Copper 2" - 6"		45500	Hex Screw, 1/2" x 1 1/4" (2)	67192		Spanner Wrench
16	45265	Set Screw, 1/4" - 20 x 1/2"				67197		Hex Key 3/8"
17	87690	Seal						

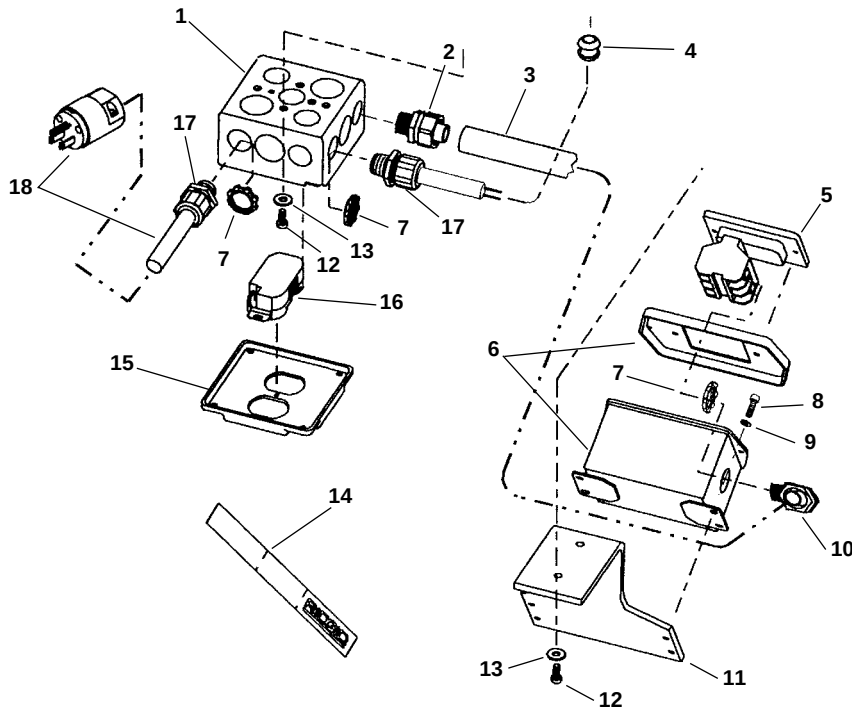
Motor/Transmission



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

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	83685	Screws	15	65497	Dowel Pin (2)	27	58572	Field Assembly – 100V
2	65452	Transmission Housing Cover	16	65502	Gasket		45897	Field Assembly – 115V
3	65457	1st Intermediate Gear Assembly	17	59252	Breather Plug		58567	Field Assembly – 230V
4	44760	Ball Bearing	18	65507	Transmission Housing	28	58562	Wiring Harness
5	59147	Ball Bearing	19	60227	O-Ring Seal	29	65517	Motor Housing
6	65462	Output Shaft Assembly	20	65512	Grease Seal	30	26642	Soc. Hd. Cap Scr. #10-32 x 1 3/4" (4)
7	45315	Ball Bearing (2)	21	58557	Armature Assembly – 100V	31	45882	Brush/Holder Set – 100V, 115V
8	65467	4th Intermediate Gear Assembly		45907	Armature Assembly – 115V		61287	Brush/Holder Set – 230V
9	44565	Ball Bearing (2)		58552	Armature Assembly – 230V	32	58547	Screws
10	65472	3rd Intermediate Gear Assembly	22	43017	Ball Bearing	33	45867	Screws
11	65477	Ball Bearing (2)	23	45912	Ball Bearing	34	45877	Bumper
12	65482	2nd Intermediate Gear Assembly	24	42777	Bearing Mount	35	45872	End Cap
13	65487	Ball Bearing	25	58577	Fan Shroud			
14	65492	Needle Bearing	26	45902	Screws			

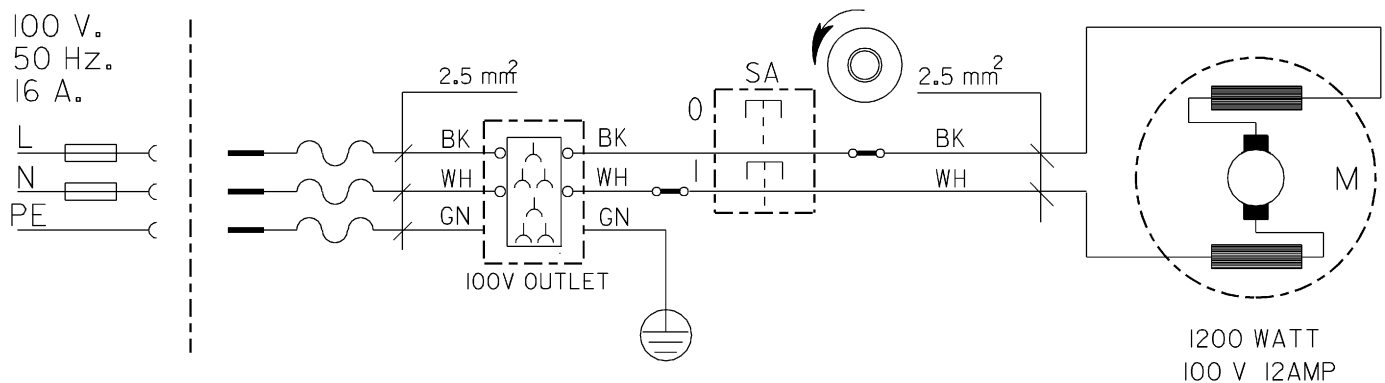
Electrical, 100V



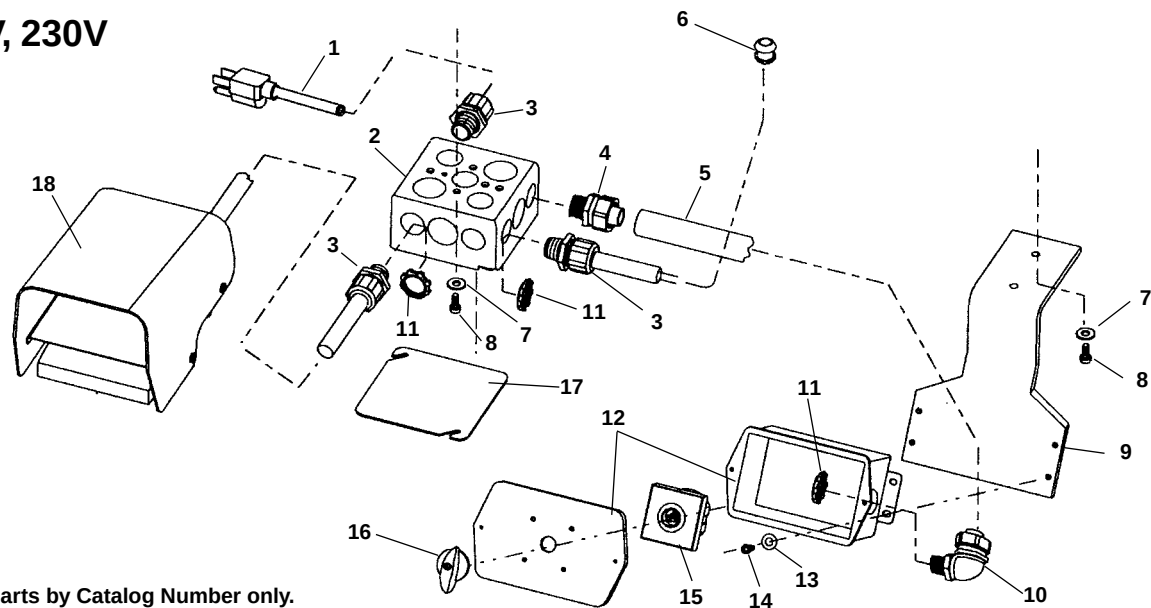
**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description
1	65587	Junction Box
2	65607	Conduit Fitting, 1/2" Straight
3	65612	Flexible Conduit, 1/2"
4	65112	Rubber Grommet
5	54227	Switch, Push Button
6	65637	Switch Box w/Cover
7	65642	Locknut, 1/2" NPT (4)
8	45750	Screw #10 - 24 x 3/8" S.H.C.S (4)
9	45365	Flat Washer, #10 (2)
10	65647	Fitting, 90 Deg, 1/2"
11	61337	Switch Bracket
12	60005	Hex Screw, 1/4" - 20 x 3/4" (2)
13	44740	Lock Washer 1/4" (2)
14	65582	Lanyard
15	95597	Junction Box Cover
16	65592	Outlet
17	65602	Strain Relief (2)
18	46740	Power Cord w/Plug

Wiring Diagram



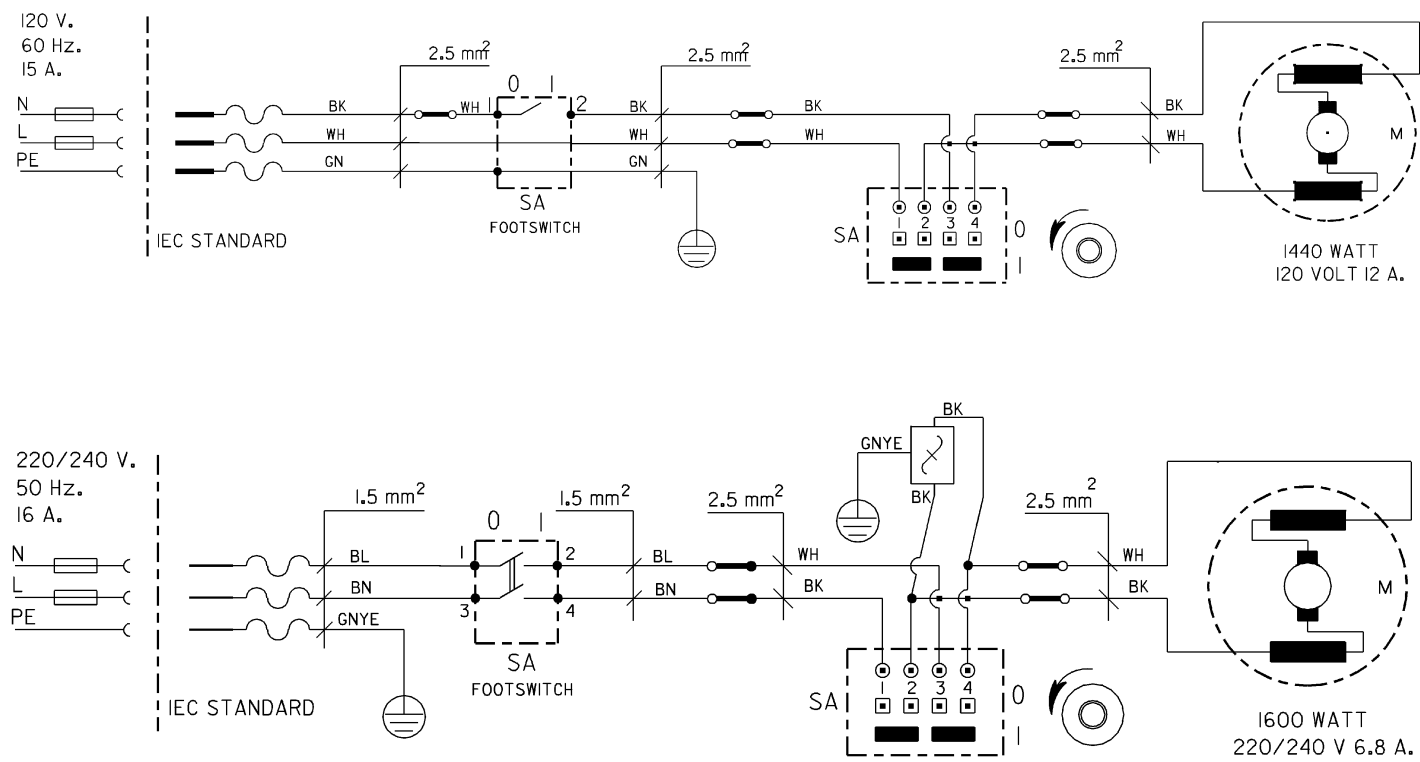
Electrical, 115V, 230V



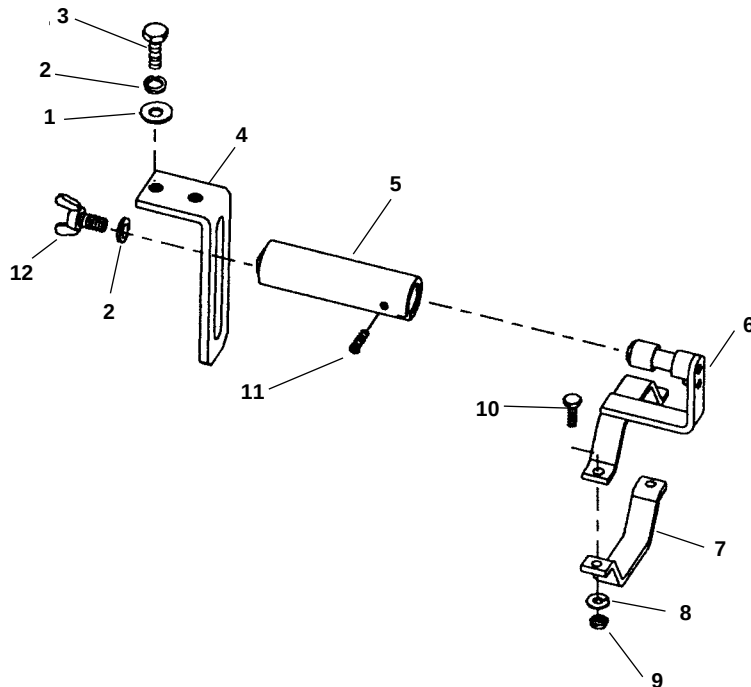
NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	46740	Power Cord w/Plug	11	65642	Locknut, 1/2" NPT (5)
2	65587	Junction Box	12	65962	Switch Box w/Cover
3	65602	Strain Relief (3)	13	45365	Flat Washer, #10 (4)
4	65607	Conduit Fitting, 1/2" Straight	14	45750	Screw #10 - 24 x 3/8" S.H.C.S. (4)
5	65612	Flexible Conduit, 1/2"	15	65967	Switch w/Knob
6	65112	Rubber Grommet	16	65972	Knob w/Screw
7	44740	Lock Washer 1/4" (4)	17	65977	Junction Box Cover
8	60005	Hex Screw, 1/4" - 20 x 3/4" (4)	18	36642	Foot Switch, B-294, 115V Model
9	61337	Switch Bracket		40017	Foot Switch, B-298, 230V Model
10	65647	Fitting, 90 Deg, 1/2"			

Wiring Diagram



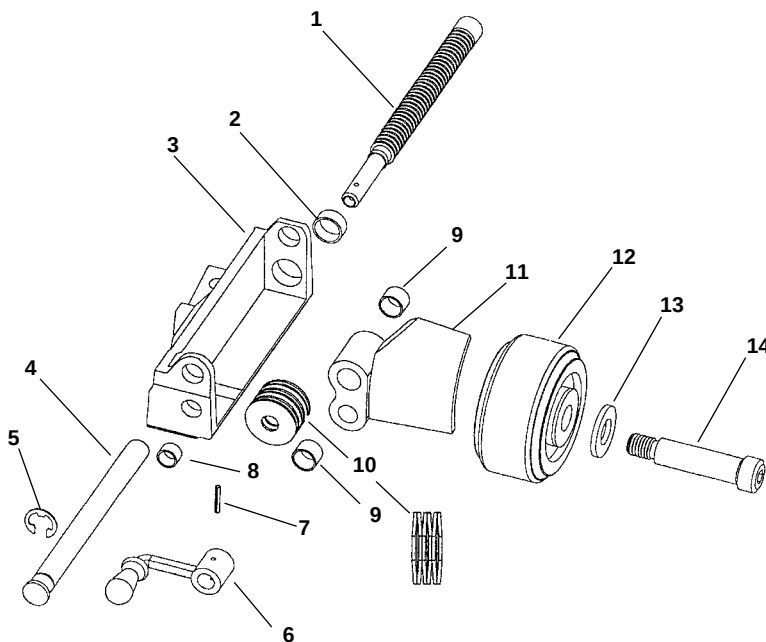
Sander Bracket



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

Ref. No.	Catalog No.	Description
1	61592	Flat Washer $\frac{3}{8}$ "
2	40930	Lock Washer, $\frac{3}{8}$ " (3)
3	45590	Hex Screw $\frac{3}{8}$ " - 16 x 1 $\frac{1}{2}$ "
4	65112	Sander Bracket
5	65627	Sander Pivot Tube
6	65057	Sander Attachment
7	65632	Sander Clamp
8	44740	Lock Washer, $\frac{1}{4}$ "
9	80370	Hex Nut, $\frac{1}{4}$ "
10	49252	Hex Screw, $\frac{1}{4}$ " - 20 x 1" (2)
11	54322	Set Screw, Half Dog Point, $\frac{1}{4}$ " - 20 x $\frac{3}{8}$ "
12	61362	Wing Screw, $\frac{3}{8}$ " - 16 x $\frac{3}{4}$ "

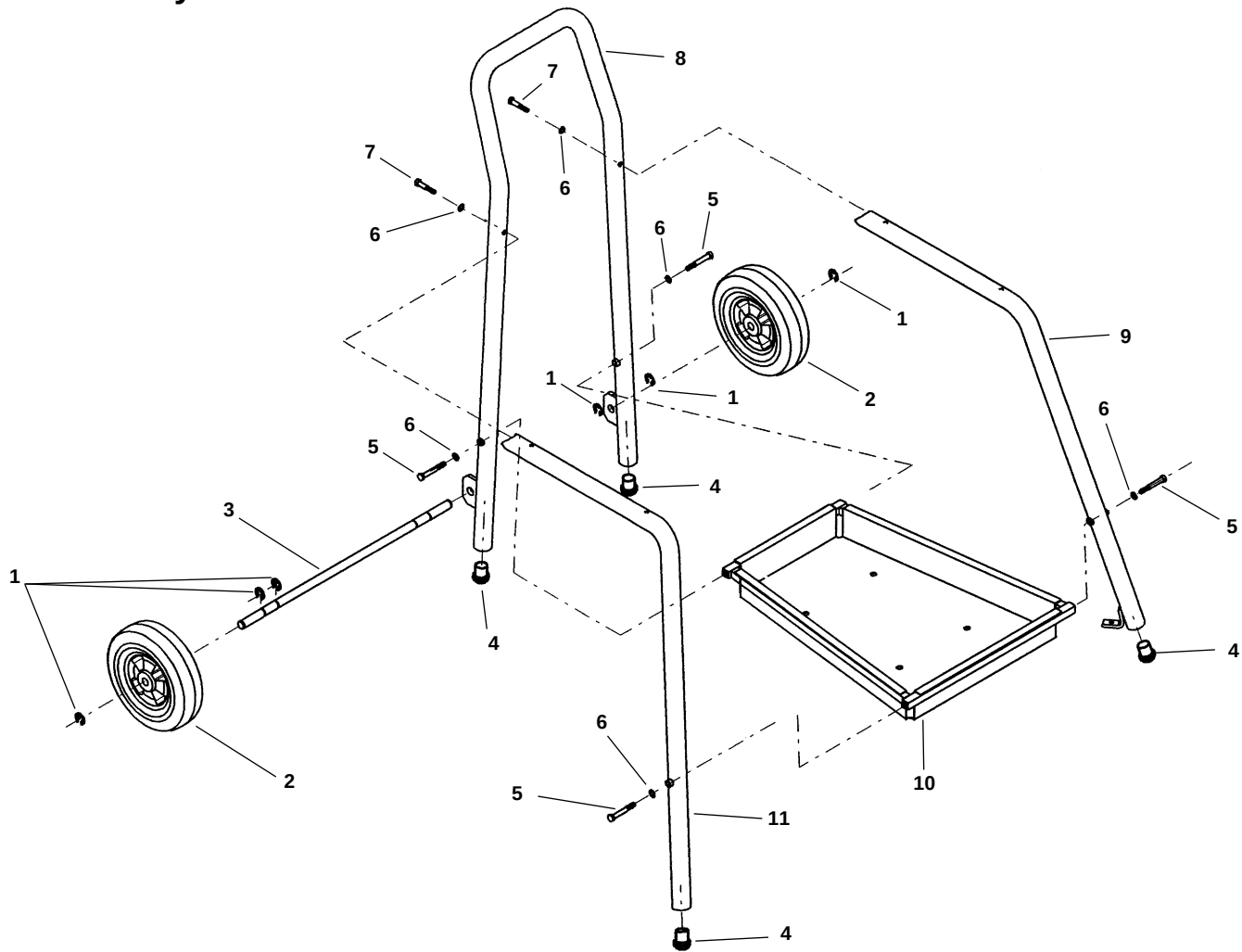
Stabilizer



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

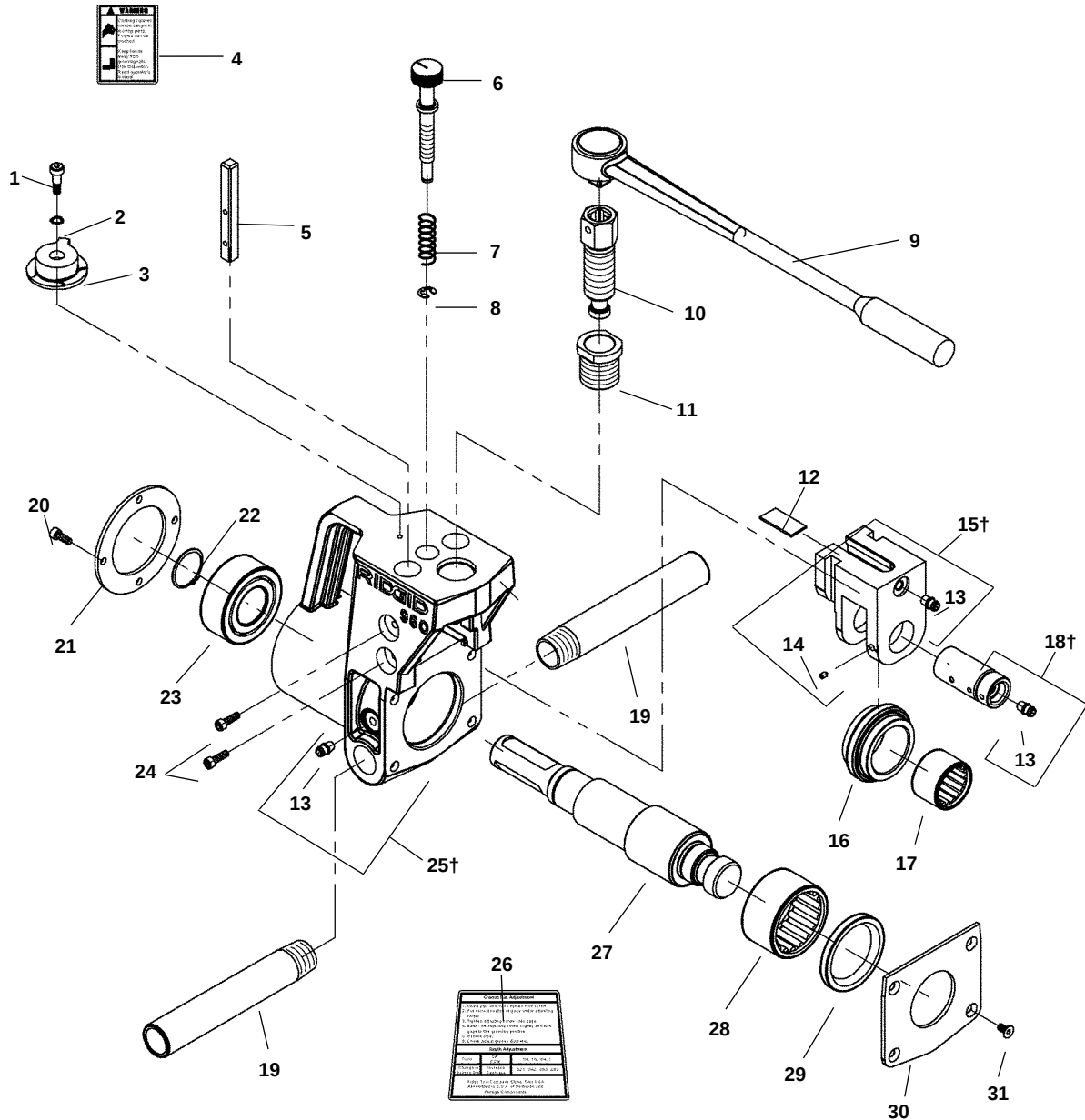
Ref. No.	Catalog No.	Description
—	59992	Stabilizer Kit, Non-Operator Side
—	59997	Stabilizer Kit, Operator Side
1	61802	Feed Screw
2	61817	Bearing, $\frac{3}{4}$ " x $\frac{3}{8}$ "
3	61797	Slide Box, Operator Side
4	61792	Slide Box, Non-Operator Side
5	91832	Guide Shaft
6	42580	E-Ring
7	53087	Crank Handle
8	55222	Pin
9	53072	Bearing, $\frac{1}{2}$ " x $\frac{3}{8}$ "
10	61822	Set of 2 Bearing, $\frac{5}{8}$ " x $\frac{1}{2}$ "
11	61827	Set of 6 Bellville Washers
12	61812	Slide, Operator Side
13	61807	Slide, Non-Operator Side
14	53052	Wheel
15	60995	Washer
16	53097	Shoulder Bolt

Cart Assembly



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

Ref. No.	Catalog No.	Description
	64192	Stand Complete
1	58850	Retaining Ring (6)
2	23602	Wheel, 10" Dia. (2)
3	65522	Wheel Axle
4	61470	Rubber Foot (4)
5	46675	Hex Screw $\frac{3}{8}$ " - 16 x $2\frac{3}{4}$ " (4)
6	40930	Lock Washer $\frac{3}{8}$ " (6)
7	61357	Hex Screw, $\frac{3}{8}$ " - 16 x $2\frac{1}{2}$ " (2)
8	65527	Rear Leg Support/Handle - U.S.
	61342	Rear Leg Support/Handle - Export
9	65537	Leg, Right Front - U.S.
	61347	Leg, Right Front - Export
10	65542	Tool Tray Assembly
11	65547	Leg, Left Front - U.S.
	61352	Leg, Left Front - Export

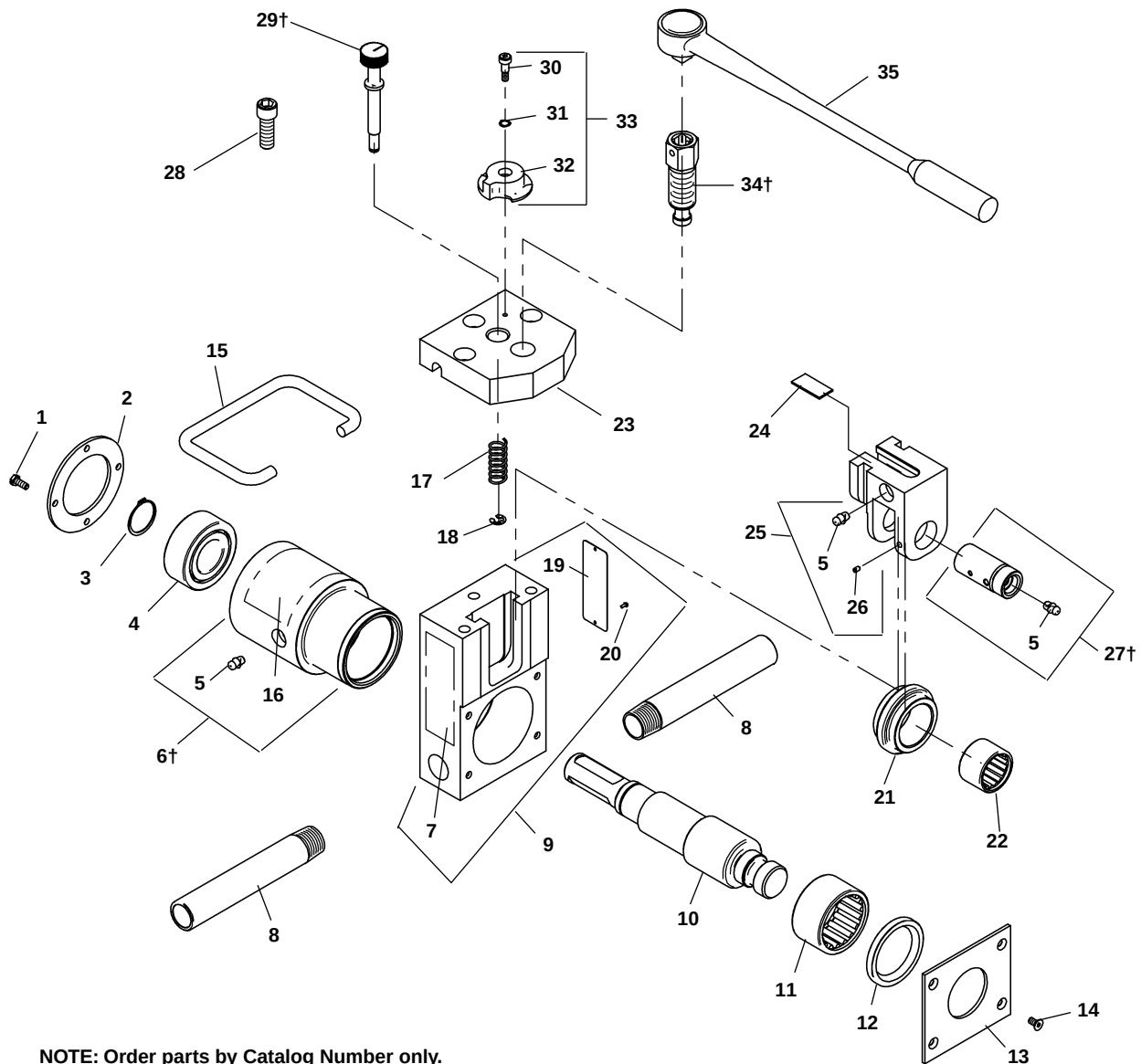


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DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	91207	960 Roll Groover	16	87927	Groove Roll 1 1/4" - 6"
1	87947	Shoulder Screw	17	87922	Needle Bearing
2	87972	Wave Spring	18†	87917	Groove Roll Shaft
3	87932	Groove Setting Gauge	19	87682	Support Bar (2)
4	87957	Warning Label	20	40260	#10-32 Hex Head Screw (4)
5	93307	Slide Key	21	45202	Retaining Plate
6	87687	Adjustment Screw	22	45152	Retaining Ring
7	87912	Spring	23	45147	Bearing
8	87937	Retaining Ring	24	93302	10-24 x 1/2" Soc. Hd. Screw (4)
9	70437	Ratchet Wrench	25†	93292	Main Housing
10	93322	Feed Screw	26	93297	Depth Adjustment Label
11	93327	Bushing, Feed Screw	27	45122	Drive Shaft
12	87977	Wear Plate	28	45142	Needle Bearing
13	46860	Grease Fitting (3)	29	45157	Front Seal
14	45187	Set Screw	30	93312	Cover Plate
15†	93317	Slide Block	31	91107	Flat Head Screw (4)

† Service Note: – Grease components monthly, more often during heavy usage.

Early Style



**NOTE: Order parts by Catalog Number only.
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Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	83937	960 Roll Groover	18	87937	Retaining Ring
1	45207	Hex Head Mach Screw #10-32 (4)	19	87952	Name Plate
2	45202	Retaining Plate	20	46870	Drive Screw (3)
3	45152	Retaining Ring	21	87927	Groove Roll
4	45147	Bearing	22	87922	Needle Bearing
5	46860	Drive Grease Fitting (3)	23	87667	Top Plate
6†	87662	Base Bushing	24	87977	Wear Plate
7	87967	Depth Adjustment Label	25	87677	Slide Block
8	87682	Support Bar (2)	26	45187	Set Screw #10-24 Socket Hd
9	87657	Base	27†	87917	Groove Roll Shaft
10	45122	Drive Shaft	28	87942	Soc. Hd. Cap Screw $\frac{7}{16}$ " x $1\frac{1}{4}$ " (4)
11	45142	Needle Bearing	29†	87687	Adjustment Screw
12	45157	Front Seal	30	87947	Shoulder Screw
13	87672	Cover Plate	31	87972	Wave Spring
14	59192	Flat Hd Cap Screw #10-24 x $\frac{1}{2}$ " (4)	32	87932	Groove Setting Gauge
15	87962	Handle	33	88777	Groove Setting Gauge Assembly
16	87957	Warning Label	34†	87907	Feed Screw
17	87912	Spring	35	70437	Ratchet Wrench

† Service Note: – Grease components monthly, more often during heavy usage.