

Parts List

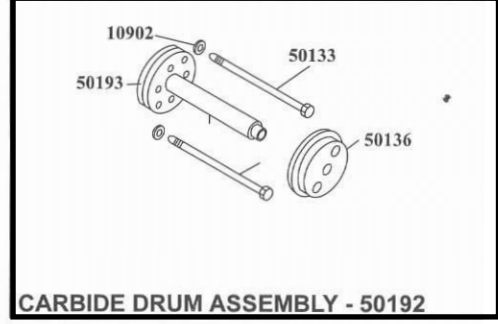
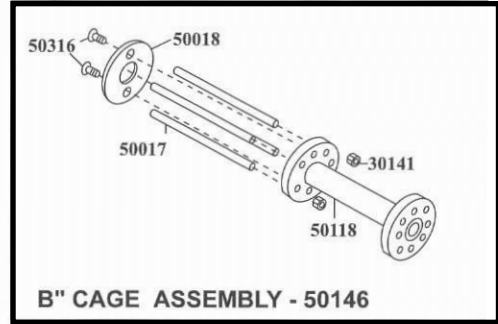
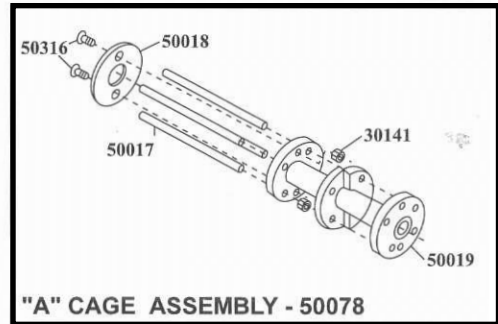
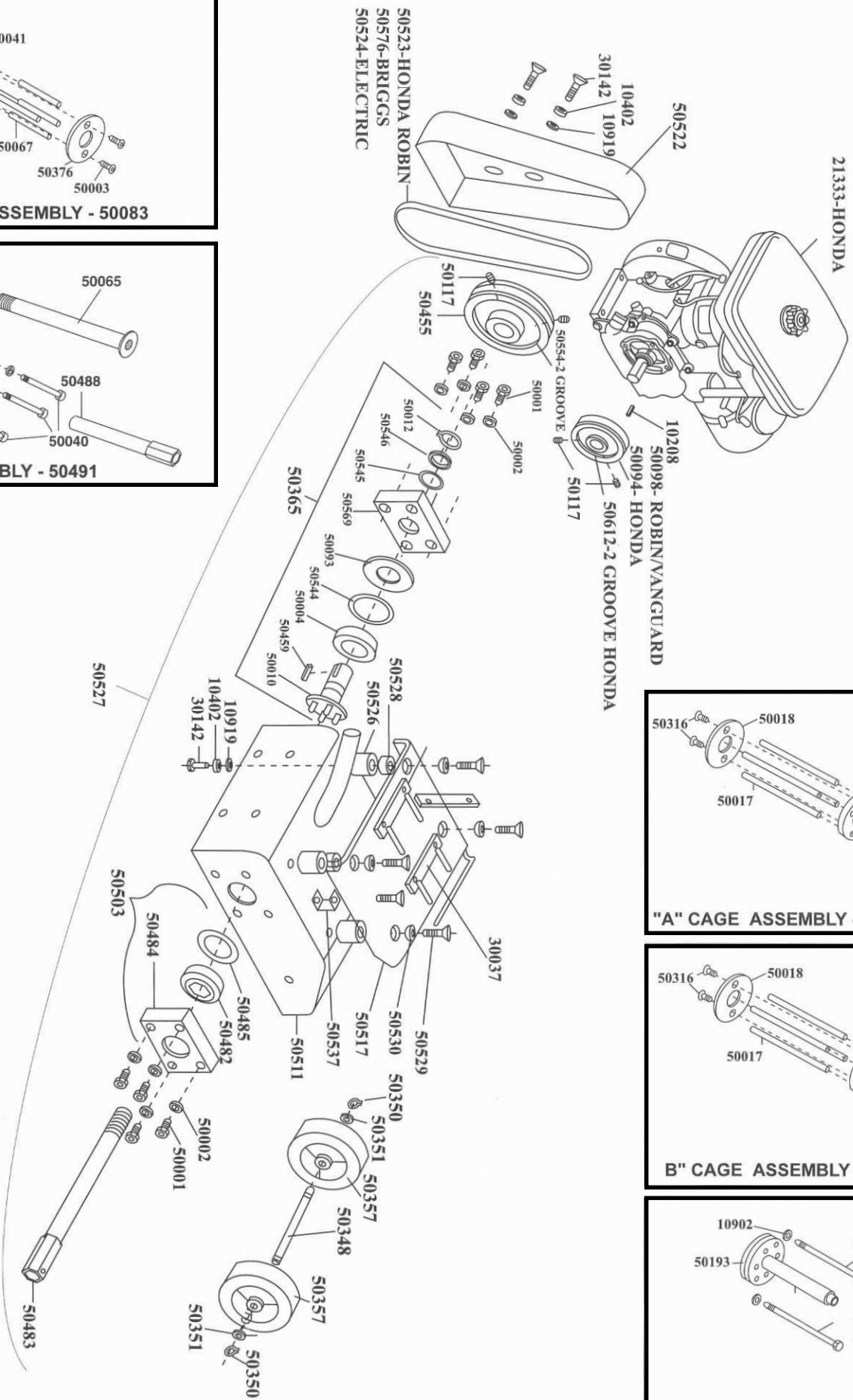
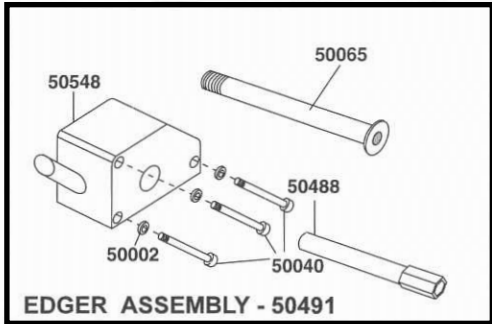
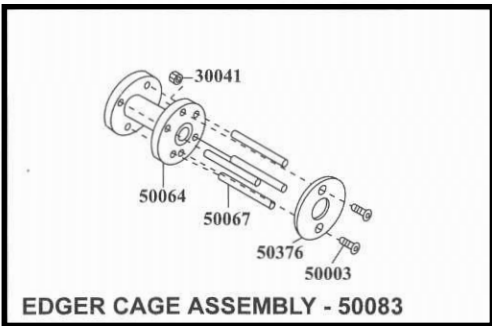
SP8 - Gas

Cages/Edger Assembly

Part Number	Qty	Description	Part Number	Qty	Description	Assy #
10208	1 pc.	Key - 3/16 sq. x 1 1/2"	30141	2 pc.	Locknut - 1/4"	50078
10402	4 pc.	Lockwasher - 5/16"	50003	2 pc.	Screw - 1/4" x 1" F.H.M.S.	50078
10919	4 pc.	Washer - 5/16"	50017	4 pc.	Cutter Shaft	50078
21333	1 pc.	Engine - Honda 5.5 hp	50018	1 pc.	Shaft Retaining Plate	50078
30037	2 pc.	Slider Nut	50019	1 pc.	Type "A" cage	50078
30142	4 pc.	Screw - 5/16" x 3/4" H.H.C.S.				
50001	6 pc.	Screw - 3/8" - 16 x 3/4" S.H.C.S.	30141	2 pc.	Locknut - 1/4"	50083
50002	8 pc.	Lockwasher - 3/8" hicollar	50003	2 pc.	Screw - 1/4" x 1" F.M.H.S.	50083
50004	1 pc.	Bearing	50018	1 pc.	Shaft Retaining Plate	50083
50010	1 pc.	Drive Spindle	50064	1 pc.	Edger Cage	50083
50012	1 pc.	Snap Ring	50067	1 pc.	Edger Shaft	50083
50093	1 pc.	Bearing Cover Plate				
50094	1 pc.	Pulley - 2 1/4" x 3/4"	30041	2 pc.	Locknut - 1/4"	50146
50098	1 pc.	Pulley - 2 1/2"	50003	2 pc.	Screw - 1/4" x 1" F.H.M.S.	50146
50117	2 pc.	Set Screw - 5/16" - 18 x 1/2" S.H.S.S.	50017	4 pc.	Cutter Shaft	50146
50348	1 pc.	Front Axle	50018	1 pc.	Cage Retaining Plate	50146
50350	2 pc.	Snap Ring - 5/8" Ext.	50118	1 pc.	Type "B" cage	50146
50351	2 pc.	Flat Washer - 5/8"				
50357	2 pc.	Front Wheel - 4" Dia.	10902	2 pc.	Lockwasher	50192
50365	1 pc.	Drive Flange Assm.	50136	1 pc.	End Plate - carbide drum	50192
50455	1 pc.	Pulley - 3 3/8" x 1 1/4"	50133	1 pc.	Screw - 3/8" x 9"	50192
50459	1 pc.	Key - 3/16" x 1/4" x 1 1/4"	50193	1 pc.	Shaft Assy.	50192
50482	1 pc.	Bearing - Hex ID				
50483	1 pc.	Hex Drive Shaft	50002	3 pc.	Lockwasher - 3/8" hicollar	50491
50484	1 pc.	End Cap Flange	50040	3 pc.	Bolt - 3/8 - 16 x 5" S.H.C.S.	50491
50485	1 pc.	Felt Washer	50065	1 pc.	Edger Drive Shaft	50491
50503	1 pc.	End Flange Assm.	50376	1 pc.	Edger Retainer	50491
50511	1 pc.	Housing	50488	1 pc.	Edger Spacer Shaft	50491
50517	1 pc.	Engine Mounting Plate - Gas	50548	1 pc.	Edger Guard	50491
50522	1 pc.	Belt Guard				
50523	1 pc.	Belt - 3VX280 "V" belt				
50524	2 pc.	Belt - Electric (2GR. Pulley)				
50526	4 pc.	Rubber Antivibration Mounts				
50527	1 pc.	Cage Housing Assm.				
50528	4 pc.	Spacer - 1 1/8" x 3/4"				
50529	4 pc.	Screw - 5/16" - 18 x 1 1/4" F.H.S.C.S				
50530	4 pc.	Lockwasher - 5/16" Ext. C.S.				
50537	1 pc.	Ground Strap				
50544	1 pc.	Felt Washer Lg.				
50545	1 pc.	Felt Washer Sm.				
50546	1 pc.	Ring Spacer				
50554	1 pc.	2 Groove Pulley - Honda				
50569	1 pc.	Drive Flange				
50576	2 pc.	Belt (2 Groove Pulley) - Honda				
50612	1 pc.	2 Groove Pulley - Honda Plate				

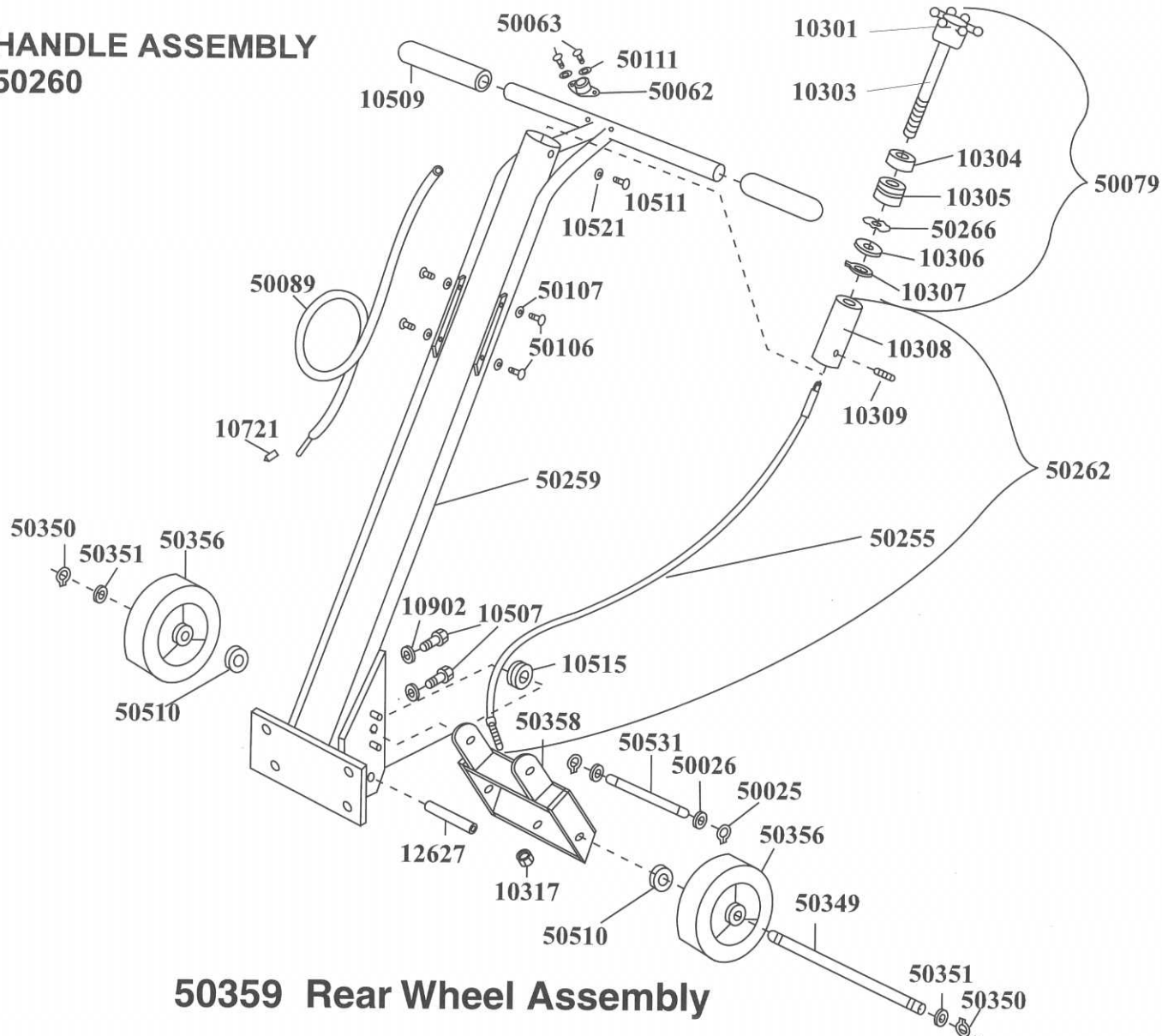
Patents Issued or Pending

Part No.	Description	Part No.	Description
50146	Type "B" Friction Cage - U.S. 4,640,553 Can 1,277,927	50146	Type "B" Friction Cage - U.S. 4,640,553 Can 1,277,927
50125	Agress Cutter, A-1 - U.S. 4,725,097 Can 1,266,969	50125	Agress Cutter, A-1 - U.S. 4,725,097 Can 1,266,969
50143	Agress Cutter, A-3 - U.S. 4,725,097 Can 1,266,969	50143	Agress Cutter, A-3 - U.S. 4,725,097 Can 1,266,969



See Parts List Page 9

HANDLE ASSEMBLY 50260



50359 Rear Wheel Assembly

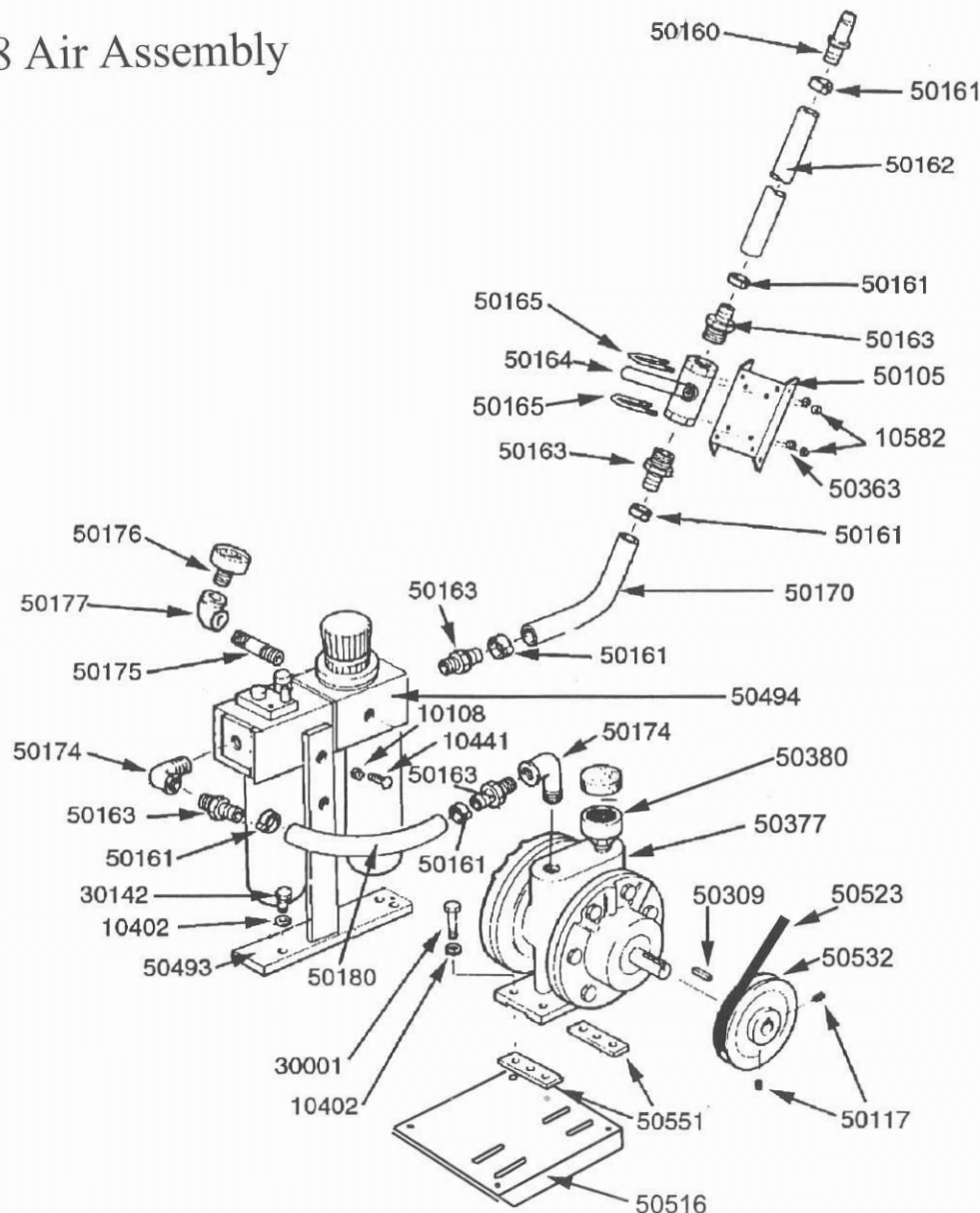
Part Number	Qty	Description
10301	1 pc.	Hand Knob
10303	1 pc.	Screw Shaft
10304	1 pc.	Bearing
10305	1 pc.	Bushing
10306	1 pc.	Washer
10307	1 pc.	Retainer
10308	1 pc.	Slide Bushing
10309	1 pc.	Pin - 3/16" x 1 1/2"
10317	1 pc.	Locknut - 3/8"
10507	4 pc.	Screw - 3/8" x 1" HH
10509	2 pc.	Handle Grips
10511	1 pc.	Screw
10515	1 pc.	Pulley
10521	1 pc.	Lockwasher - 1/4"
10721	1 pc.	Terminal Splice
10902	4 pc.	Lockwasher - 3/8"
12627	1 pc.	Spiral Pin - 5/16" dia

Part Number	Qty	Description
50025	2 pc.	Snap Ring
50026	2 pc.	Flat Washer - 1/2"
50062	1 pc.	Stop Switch
50063	2 pc.	Screw - #6-32 x 1/4"
50089	1 pc.	Wire Assy.
50106	4 pc.	Screw #8-32 x 1/4"
50107	4 pc.	#8 Star Washer
50111	2 pc.	#6 Star Washer
50255	1 pc.	Cable - 37 3/8"
50259	1 pc.	SPS Handle
50262	1 pc.	Cable Assm.
50266	1 pc.	Wave Washer
50349	1 pc.	Rear Axle
50356	2 pc.	Wheel - 5" Dia.
50358	1 pc.	Lift Plate
50510	4 pc.	Wheel Bushing
50531	1 pc.	Pin - Lift Plate

SP -8 Air Motor Assembly

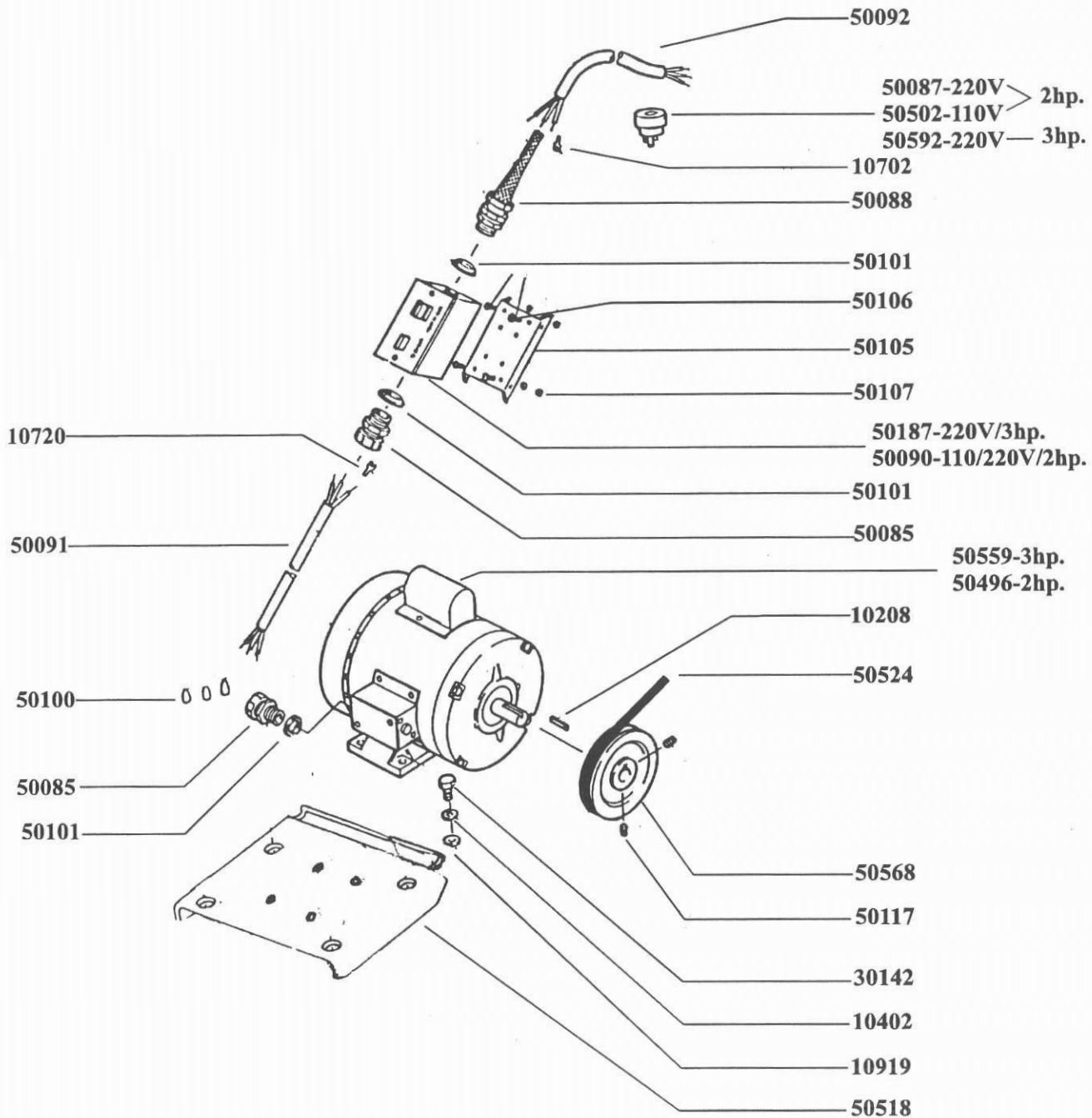
Part Number	Qty	Description	Part Number	Qty	Description
10108	2 pc.	Lock Nut - 5/16"	10108	2 pc.	Lock Nut - 5/16"
10402	6 pc.	Lock Washer - 5/16"	10402	6 pc.	Lock Washer - 5/16"
10441	2 pc.	Screw - 5/16" x 1"	10441	2 pc.	Screw - 5/16" x 1"
10582	4 pc.	Nut - 1/4" - 20 (sq. nut)	10582	4 pc.	Nut - 1/4" - 20 (sq. nut)
30001	4 pc.	Screw - 5/16" x 2" H.H.C.S.	30001	4 pc.	Screw - 5/16" x 2" H.H.C.S.
30142	4 pc.	Screw - 5/16" H.H.C.S. x 3/4"	30142	4 pc.	Screw - 5/16" H.H.C.S. x 3/4"
50105	1 pc.	Switch Plate	50105	1 pc.	Switch Plate
50117	2 pc.	Set Screw - 5/16" - 18 x 1/2" S.H.S.S.	50117	2 pc.	Set Screw - 5/16" - 18 x 1/2" S.H.S.S.
50160	1 pc.	Quick Coupling 1/2"	50160	1 pc.	Quick Coupling 1/2"
50161	6 pc.	Hose Clamp 1/2"	50161	6 pc.	Hose Clamp 1/2"
50162	1 pc.	Extension Hose - 30"	50162	1 pc.	Extension Hose - 30"
50163	5 pc.	Hose Fitting 1/2"	50163	5 pc.	Hose Fitting 1/2"
50164	1 pc.	Ball Valve 1/2"	50164	1 pc.	Ball Valve 1/2"
50165	2 pc.	Valve Clamp	50165	2 pc.	Valve Clamp
50170	1 pc.	Regulator Hose - 20"	50170	1 pc.	Regulator Hose - 20"

SP8 Air Assembly



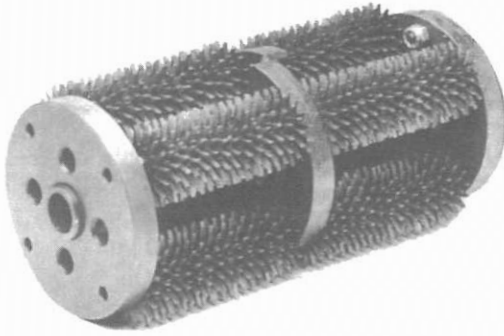
SP-8 Electric Set-up

Part Number	Qty	Description	Part Number	Qty	Description
10208	1 pc.	Key - 3/16 sq. x 1 1/2"	50105	1 pc.	Switch Plate
10402	4 pc.	Lockwasher - 5/16"	50106	4 pc.	Screw - #8 - 32 x 1/4"
10720	6 pc.	Terminal Splice	50107	4 pc.	Star Washer - #8
10919	4 pc.	Flat Washer - 5/16"	50117	2 pc.	Set Screw - 5/16" - 18 x 1/2" SHSS
30142	4 pc.	Bolt - H.H.C.S. 5/16 x 3/4"	50187	1 pc.	Starter Box - 22./480 Volt (3 hp)
50085	2 pc.	Box Connector	50496	1 pc.	Motor - 110/220 Volt (2 hp)
50087	1 pc.	220 Volt (2 hp)	50502	1 pc.	Plug - 125 Volt 15 Amp
50088	1 pc.	Strain Relief Connector	50518	1 pc.	Motor Mounting Plate - Electric
50090	1 pc.	Starter Box - 110/220 Volt (2 hp)	50524	1 pc.	Belt - 3VX265
50091	1 pc.	Motor Cable - 51"	50559	1 pc.	Motor - 230 Volt (3 hp) Single Phase
50092	1 pc.	Motor Cable - 24"	50568	1 pc.	Pulley - 2" Dia. x 7/8"
50100	3 pc.	#31 Mar Connector	50592	1 pc.	Plug - 220 Volt (3 hp) 20 Amp
50101	3 pc.	1/2" NPT Nut			



Typical Cutter Setups

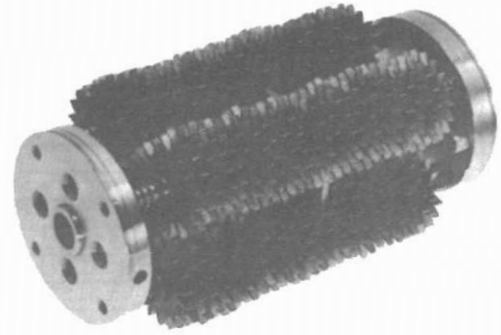
Cutter counts may vary with cutter width and/or spring tension.



Parts Required - R120 (Complete Assembly)

Part No.	Description	Quantity
50078	Type "A" Flail Cage	1
50021	B-1 Cutter	120
50102	Ring Spacer	128

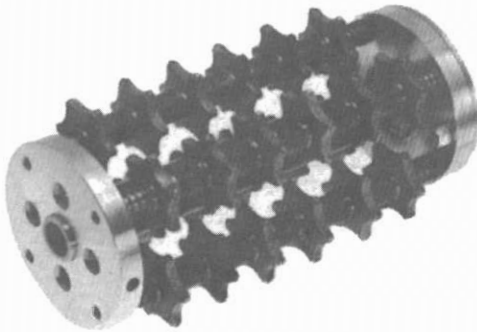
- For removal of grease and oil or thin paint build-ups
- Lower gradually, running machine back and forth with circular motion as required



Parts Required - R122 (Complete Assembly)

Part No.	Description	Quantity
50140	B-3 Cutter	92
50102	Ring Spacer	88
50147	Shackle	4
50127	Tension Spring	8
50146	Type "B" Cage	1

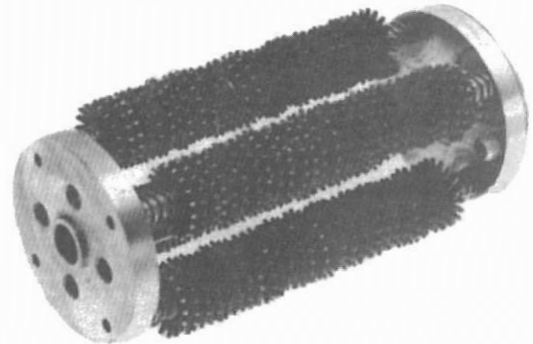
- For trenching (keying) asphalt around drains and shallow patches in pavement
- Draw SPS unit slowly around perimeter, gradually increasing the depth of cut to a maximum of 5/8"
- After initial trench, run over inside edge to produce gradually sloped keyway



Parts Required - R123 (Complete Assembly)

Part No.	Description	Quantity
50146	Type "B" Friction Cage	1
50120	Carbide Cutters	24
50137	3/4" Grooving Spacer	20
50339	1/2" Hardened Flat Washer	36
50127	Tension Springs	8

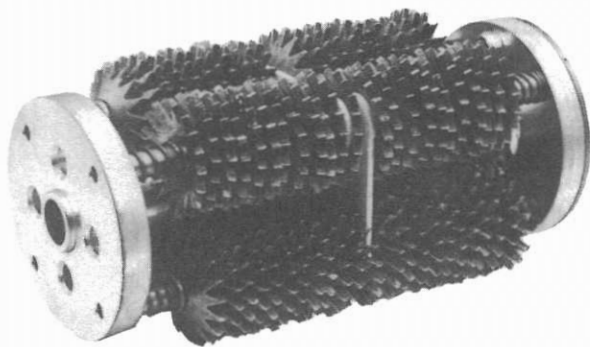
- For safety grooving of concrete
- With cutters lowered, make a short pass to establish path, then slowly pull machine along area to be grooved
- Square grid pattern can be established by running SPS across the parallel grooves as above.



Parts Required - R125 (Complete Assembly)

Part No.	Description	Quantity
50146	Type "B" Friction Cage	1
50142	A-2 Cutter	92
50102	Ring Spacers	104
50127	Tension Spring	8

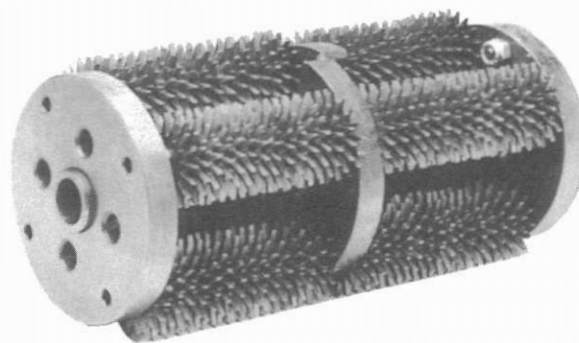
- Removal of oil, grease buildup from wood block flooring
- Lower gradually, running machine back and forth with circular motion as required



Parts Required - R126 (Complete Assembly)

Part No.	Description	Quantity
50143	A-3 Cutter	88
50102	Ring Spacer	104
50127	Tension Spring	8
50147	Shackle	4
50146	Type "B" Cage	1

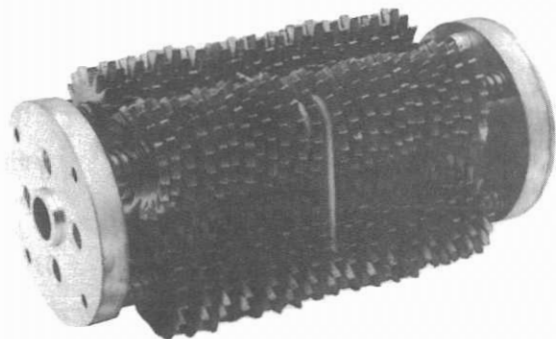
- For milling sidewalks. R138 may be required in extreme cases
- Lower cage gradually, running machine back and forth with circular motion as required



Parts Required - R137 (Complete Assembly)

Part No.	Description	Quantity
50078	Type "A" Flail Cage	1
50139	B-2 Cutters	115
50102	Ring Spacers	114

- Removal of paint, tile and carpet adhesives, urethanes, rubber membranes & epoxy resins.

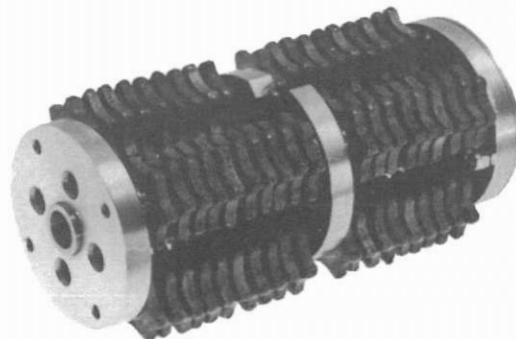


Parts Required - R138 (Complete Assembly)

Part No.	Description	Quantity
50102	Ring Spacers	116
50127	Tension Springs	8
50140	B-3 Cutters	32
50143	A-3 Cutters	44
50146	Friction Cage Ass'y	1
50147	Shackles	4

Removal of coal tar epoxy, rubberized asphalt, urethane rubber and epoxy non-skid.

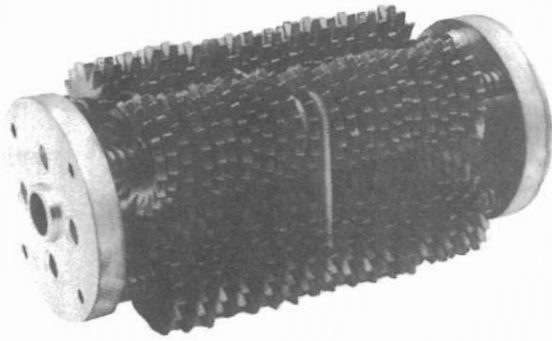
A-3 /B-3 cutters / B-cage



Parts Required - R139 (Complete Assembly)

Part No.	Description	Quantity
50078	Type "A" Flail Cage	1
50120	Carbide Cutters	76
50339	1/2" Hardened Flat Washers	104

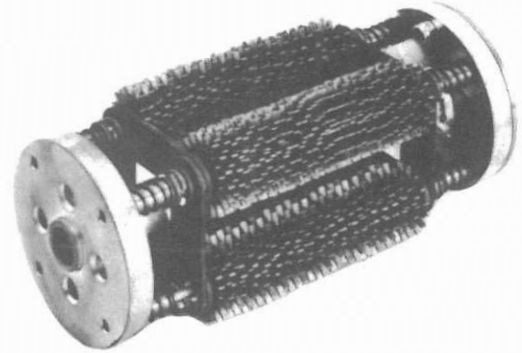
- Carbide cutters A cage- single spaced



Parts Required - R142 (Complete Assembly)

Part No.	Description	Quantity
50146	Type "B" Cage	1
50139	B-2 Cutter	34
50142	A-2 Cutter	50
50127	Tension Spring	8
50147	Shackle	4
50102	Ring Spacer	114

- Removing thick material build-up (up to 1") of impacted oil, grease, corn oil, vegetable powder, resins
- Triple action cut produced by this set-up shears material efficiently



Parts Required - R143 (Complete Assembly)

Part No.	Description	Quantity
50140	B-3 Cutter	100
50146	B Cage	1
50102	Ring Spacers	60
50147	Shackle	8
50127	Tension Spring	8

*This produces a 5 1/2" wide cut. For wider cut, add more cutters

Note: When setting up the cage, ensure that two opposite shafts have 19 cutters (with ring spacers) per shaft while the remaining shafts take 33 cutters (no ring spacers) each

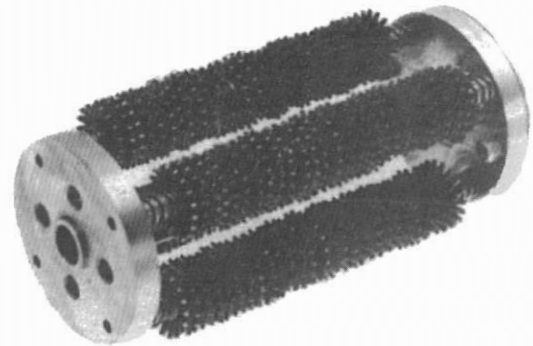
- Line removal - thermoplastic
- Removes thick traffic lines quickly and efficiently



Parts Required - Fine R150; Medium R151; Coarse R152; Superfine R158 (Complete Assemblies)

Part No.	Description	Quantity
50192	Carbide Drum Assembly	1
50145	Replacement Carbide Drum (Fine)	1
50147	Replacement Carbide Drum (Medium)	1
50148	Replacement Carbide Drum (Course)	1
50150	Replacement Carbide Drum (Superfine)	1

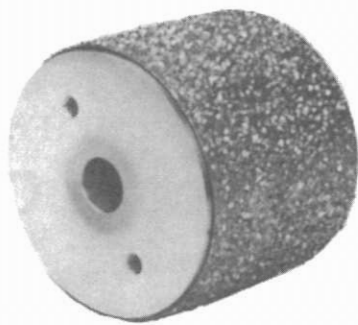
- For smoothing operations on concrete and wood floors
- Smoother profiles produces with varying grits of carbide drum



Parts Required - R155 (Complete Assembly)

Part No.	Description	Quantity
50139	B-2 Cutters	232
50078	Type "A" Flail Cage	1

- B-2 cutters / A cage



Parts Required - R153 (Complete Assembly)

Part No.	Description	Quantity
50153	Carbide Drum assembly	1

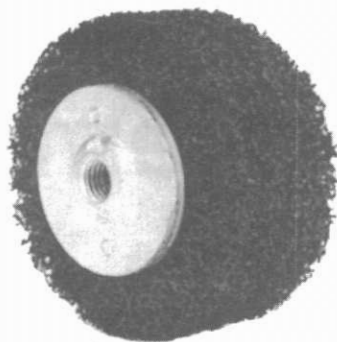
- For graffiti removal with SP-2A Unit
- Produces a smooth profile when surface depth of graffiti is minimal



Parts Required - RH311 (Complete Assembly)

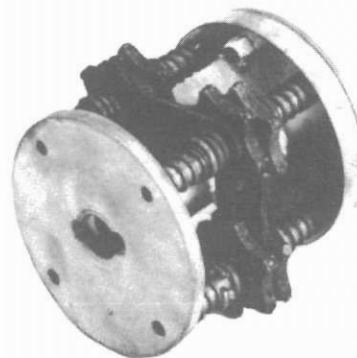
Part No.	Description	Quantity
50021	B-1 Cutters	34
50102	Ring Spacers	34
50399	H.H. Cage Ass'y	1

- SP2A-1 Cage / B-1 Cutters
- Light duty cleaning of concrete, oil, grease deposit and thin urethane removal.



R159 for the SP8 RH309 for the SP-2A

- For Aluminum cleaning
- Make as many passes as required with either SP-8 or SP-2A



Parts Required - RE210 (Complete Assembly)

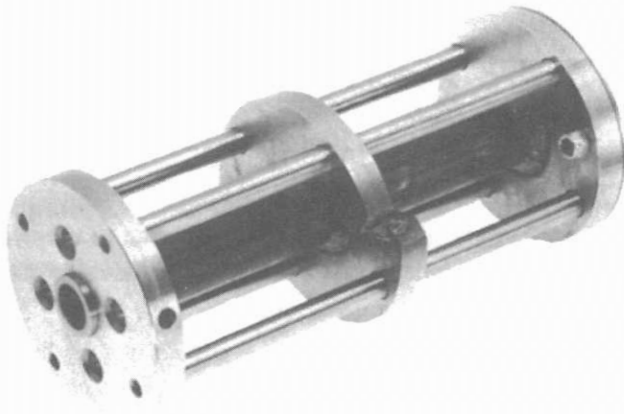
Part No.	Description	Quantity
50083	Edger Cage	1
50120	Carbide Cutter	12, 8 or 4*
50147	Shackle	4
50102	Ring Spacer	20, 16 or 4*

*Depending on required width. To increase or decrease width of cut, add or subtract cutters and ring spacers as required

- For crack routing with edger
- Make initial pass to establish path and width of cut. Lower as required to depth required

Typical Cages - No Cutters

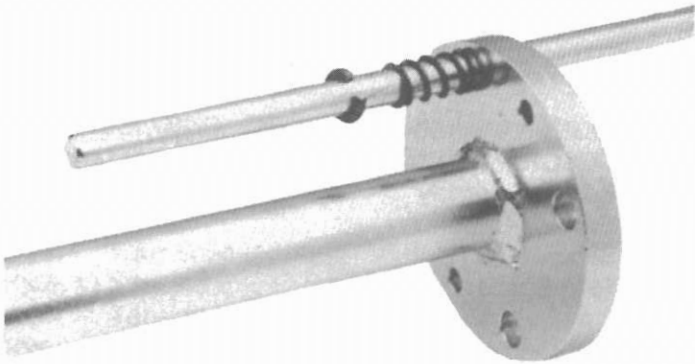
Standard Type "A" Flail Cage



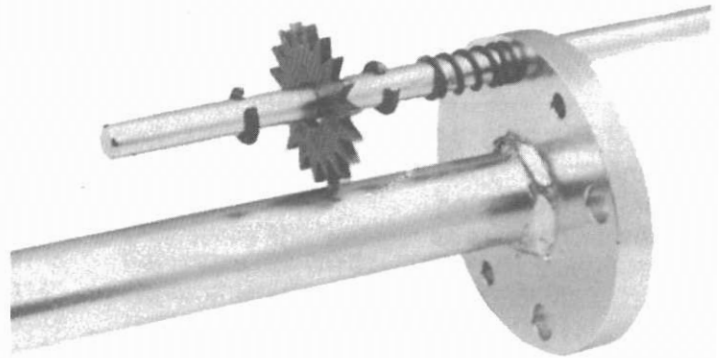
Type "B" Friction Cage



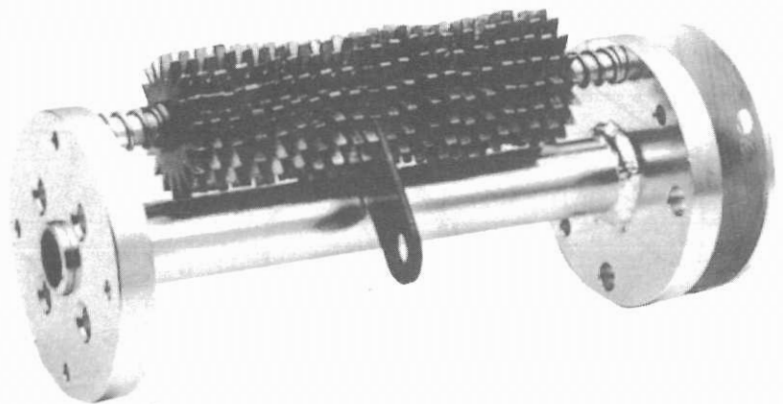
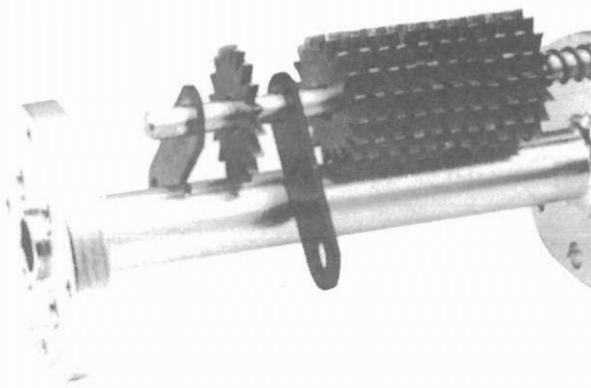
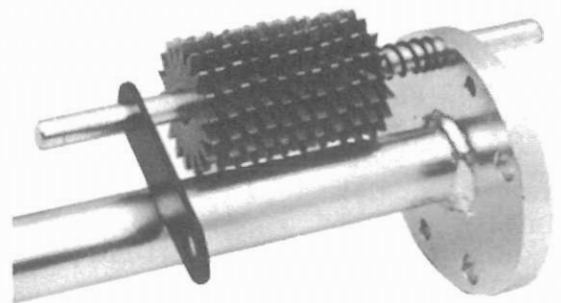
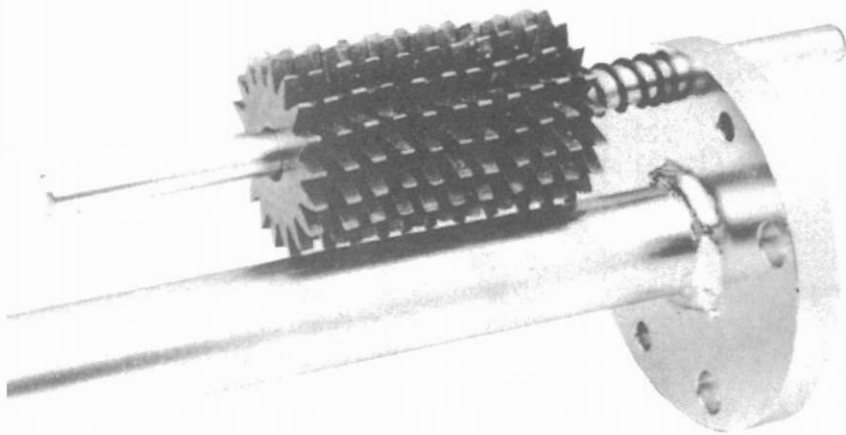
Typical "B" Cage Assembly



Insert shaft through hole in end plate of cage. Slide tension spring onto shaft, followed by ring spacer.



Install desired cutter followed by ring spacer.

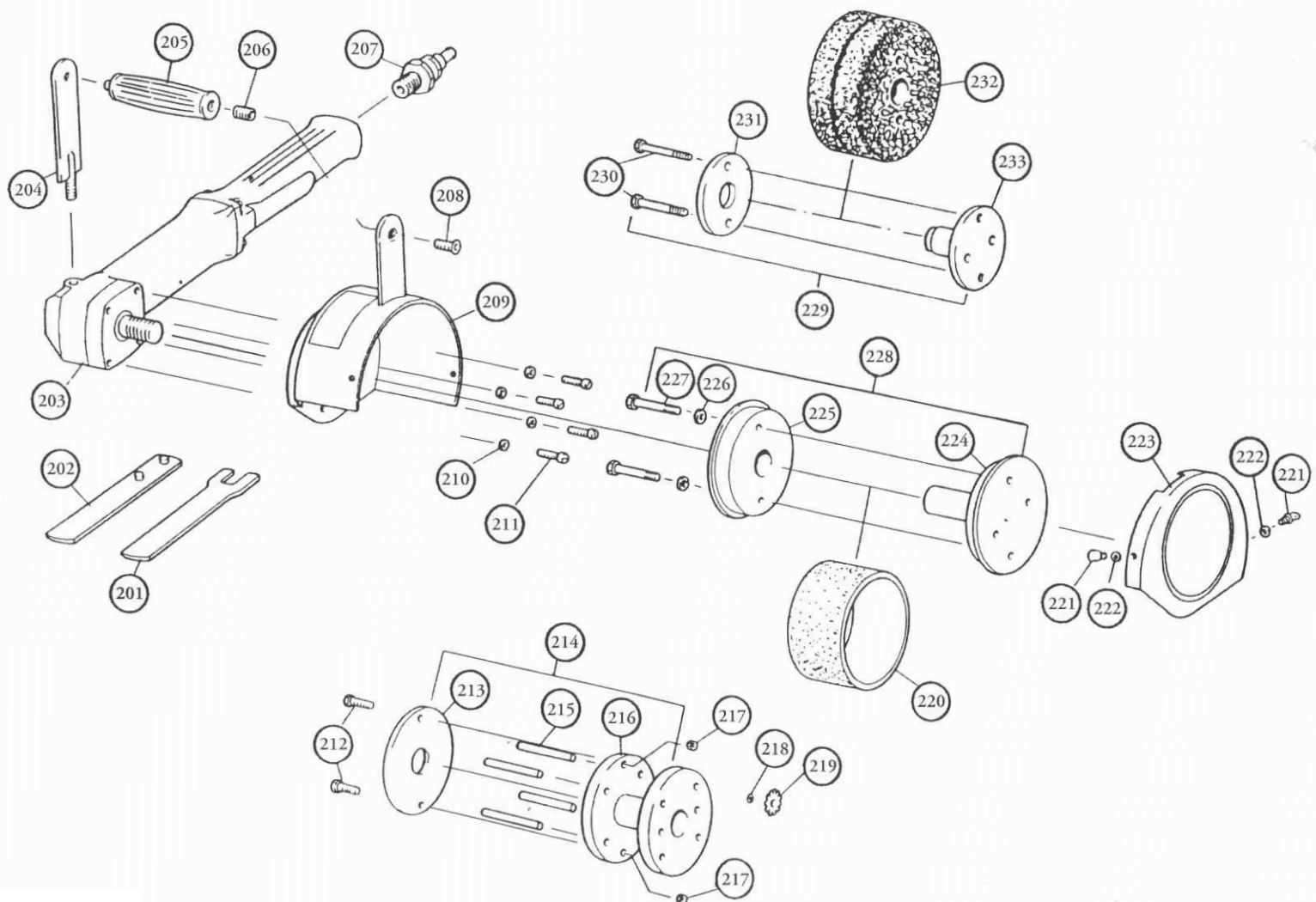


One cutter is placed between two bracing shackles. (Shackles are the same width as ring spacers.) Note: When using "A" type concave cutters, a ring spacer must be installed between the inner side of the cutter and a shackle.

Continue alternating cutters with ring spacers until shaft is full. Slide tension spring over end of shaft and snap into place. Tap shaft into hole in end plate. Repeat preceding steps with remaining three shafts until set-up is complete. Install end plate cover.

Parts List SPS Model SP-2 Hand Held

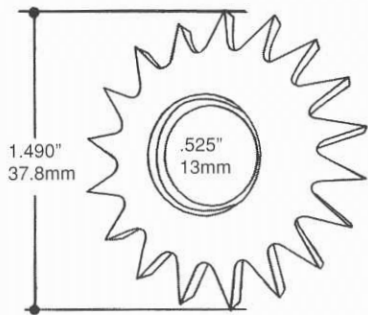
Index No.	Part No.	Description	Index No.	Part No.	Description
201	50219	Chuck Wrench	217	50407	1/4" Lock Washer
202	50225	Pin Wrench	218	50102	Ring Spacer
203	50203	Air Drive Motor	219	50021	Cutter Type B-1
204	50230	Handle Support	220	50240	Carbide Drum - Fine HH
205	50236	Handle	221	50443	Thumb Screw
206	50558	Handle Insert	222	50231	Lock Washer
207	50222	Quick Coupling	223	50441	Cover Plate
208	50217	Screw 5/16-18 x 3/4 F.H.S.C.S.	224	50237	Drum Shaft Assembly
209	50440	Safety Guard	225	50212	Drum Side Plate
210	50231	Lock Washer	226	10402	5/16" Lock Washer
211	50224	Screw 10-32 x 7/8"	227	50239	Screw - 5/11-18 x 2 3/4" Hex
212	50406	Screw 1/4-20 x 3/4" F.H.S.C.S.	228	50238	HH Drum Cage Assembly
213	50405	Cage Shaft Plate	229	50200	Silicon Carbide Disc Assembly
214	50399	Cage Assembly	230	50235	Screw - 1/4-20 x 2 1/2" Hex
215	50202	Cutter Shaft	231	50233	Cage Back Plate
216	50398	Cage	232	50374	Silicon Carbide Disc
			233	50234	Cage Shaft Assembly



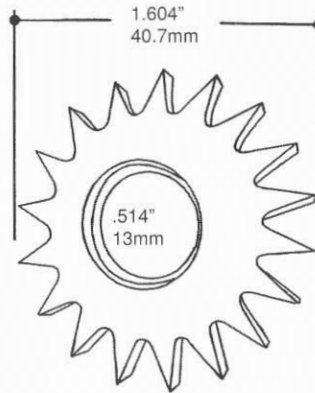
SP8 Cutters

SP8 Shaft size is 3/8"

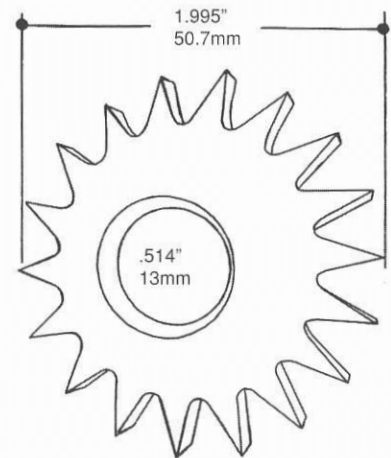
Cutters are shown actual size.



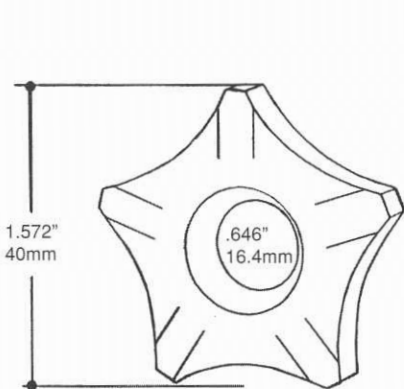
A - 1 Cutter
Part # 50125



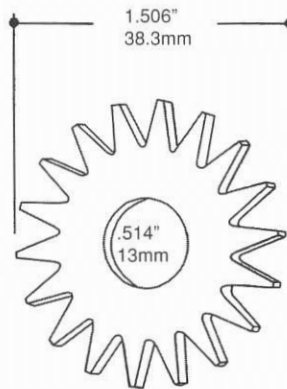
A - 2 Cutter
Part # 50142



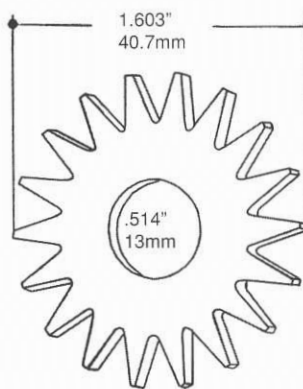
A - 3 Cutter
Part # 50143



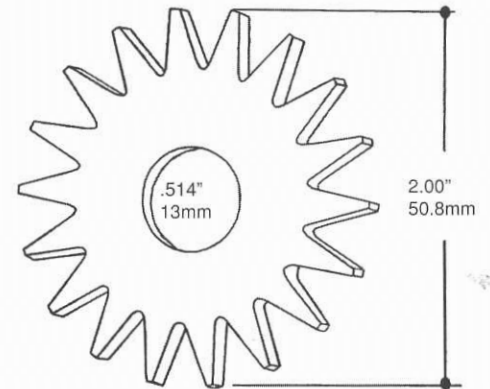
T.C.T. Cutter
Part # 50120



B - 1 Cutter
Part # 50021

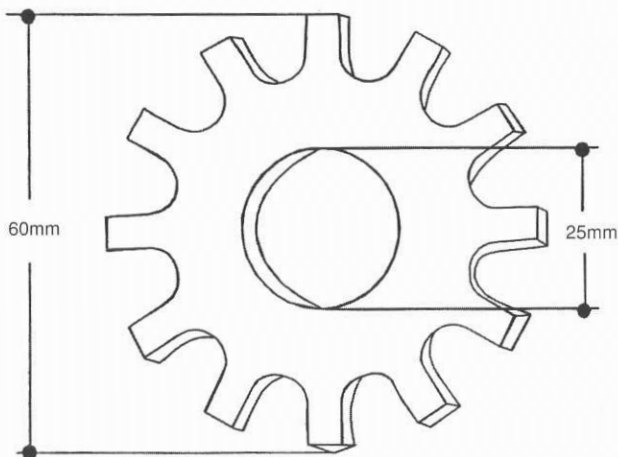


B - 2 Cutter
Part # 50139

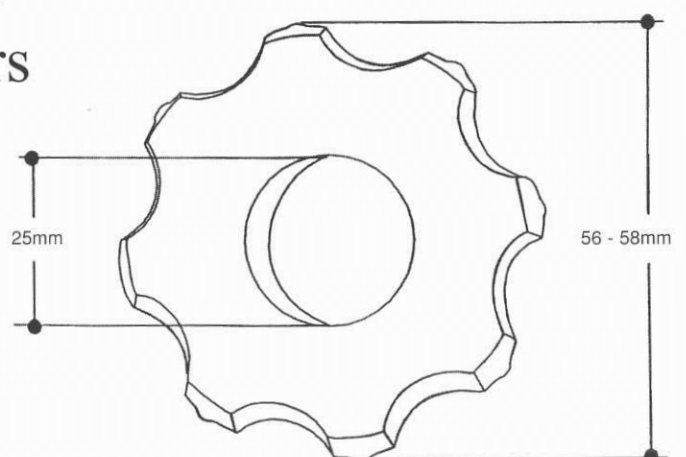


B - 3 Cutter
Part # 50140

SP10 Cutters



Beam Cutter
Part # 52135



T.C.T. Cutter
Part # 52137

SP10 Shaft size is 3/4"