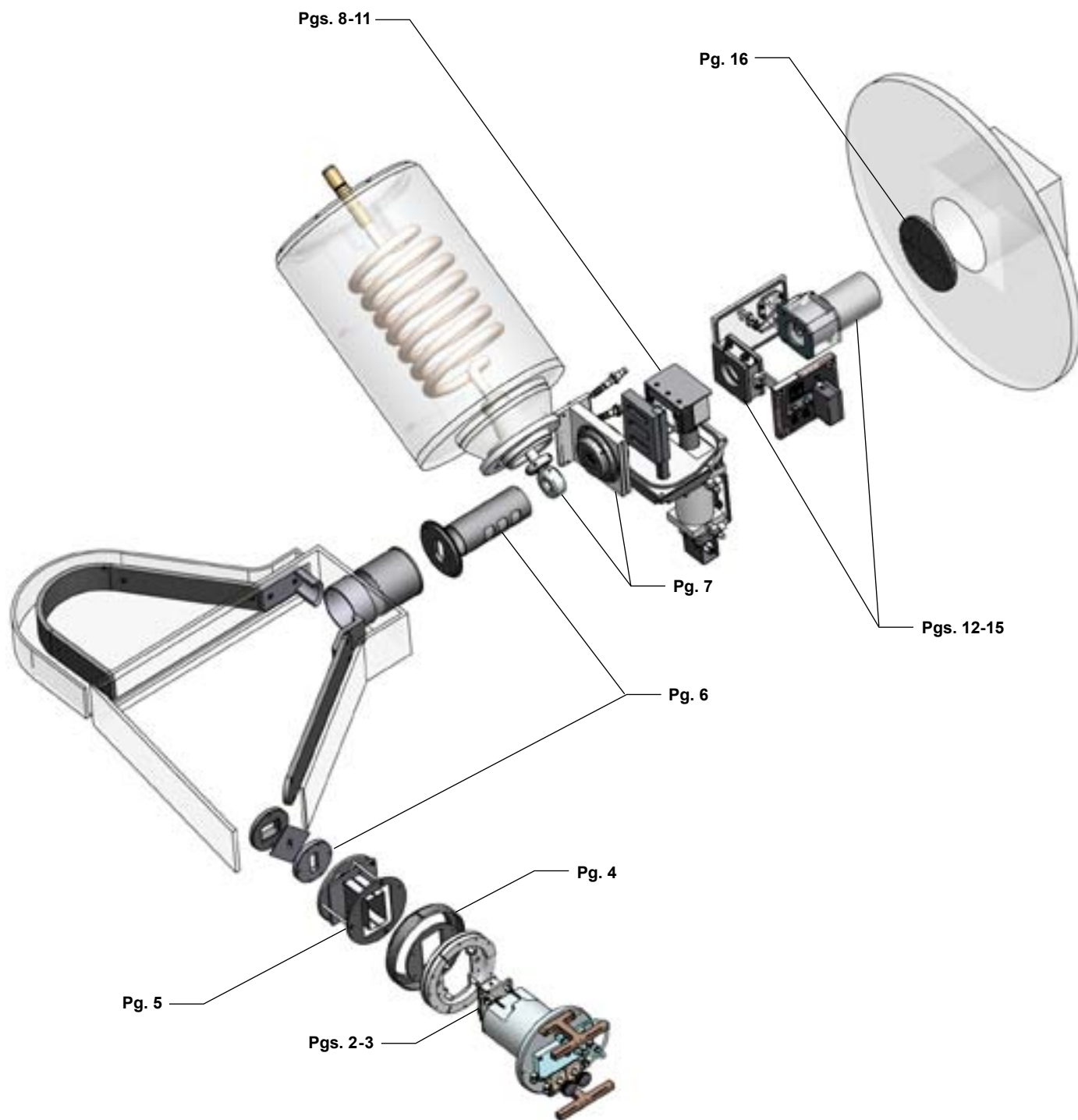
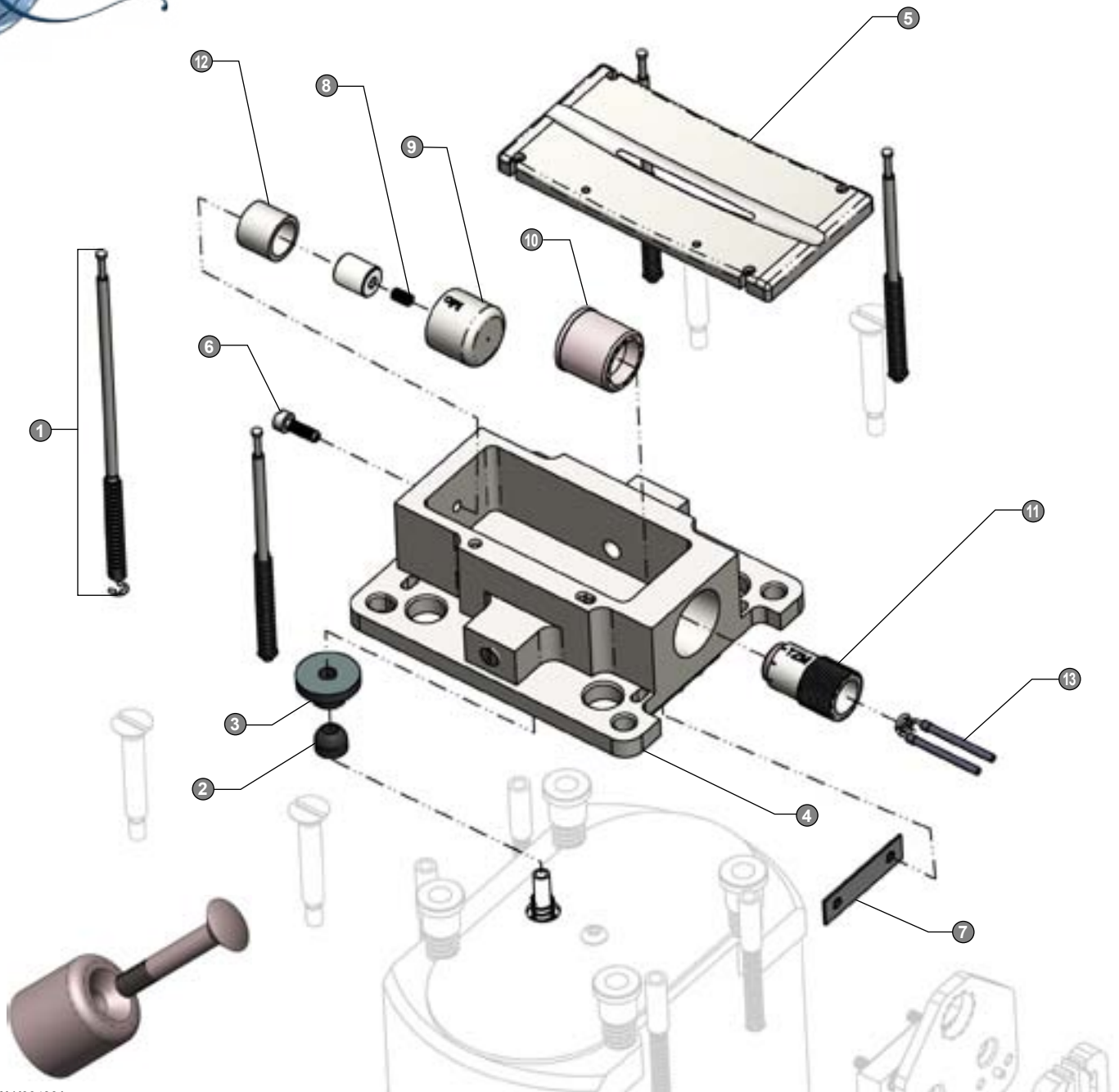






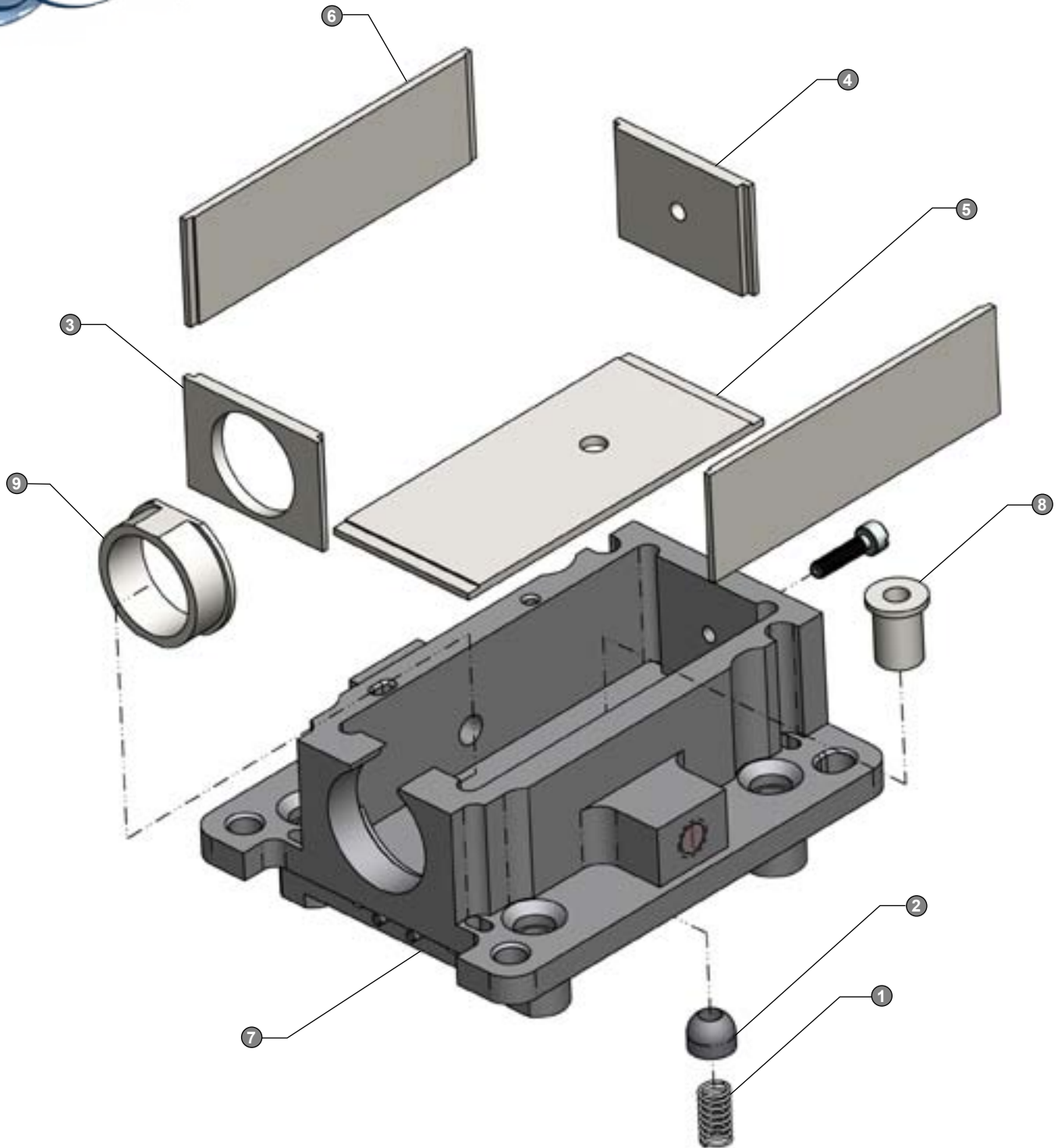
P/N K99430A
Glemco also offers a 2 PC Cathode Assembly Kit.
Contact sales for more information.

Item	P/N	Description	OEM	QTY
1	99014A	Retainer Pin Assembly	1200080 / 17036440	4
2	99176	Ball Joint, Graphite	17021591 / 17033160	1
3	99177	SKT Joint	17033150 / 7146-0035-0001	1
4	99286B	Arc Chamber, ELS Standard, Moly, .14Dia. Repeller Hole w/ Vap. Ports	17133400	1
5	99402	Face Plate, 20R, Molybdenum	17165580	1
6	99403	Repeller Screw	17121770	1
7	99404A	Screw Retainer, No Slots	17189140 / 17133650	1
8	99405	Repeller Set Screw	17121760	1
9	99406	Repeller, Moly	17121740	1
10	99409	Cathode Repeller, Molybdenum	17121930	1
11	99413	GSD ELS Cathode, Arc Wire, TZM w/ 4.6mm Tungsten Button	17142890	1
12	99415	Inner Cup Shield, Molybdenum	17121750 / 6615-0003-0001	1
13	99477A	GSD ELS Filament, .040	17287850 Rev. A	1

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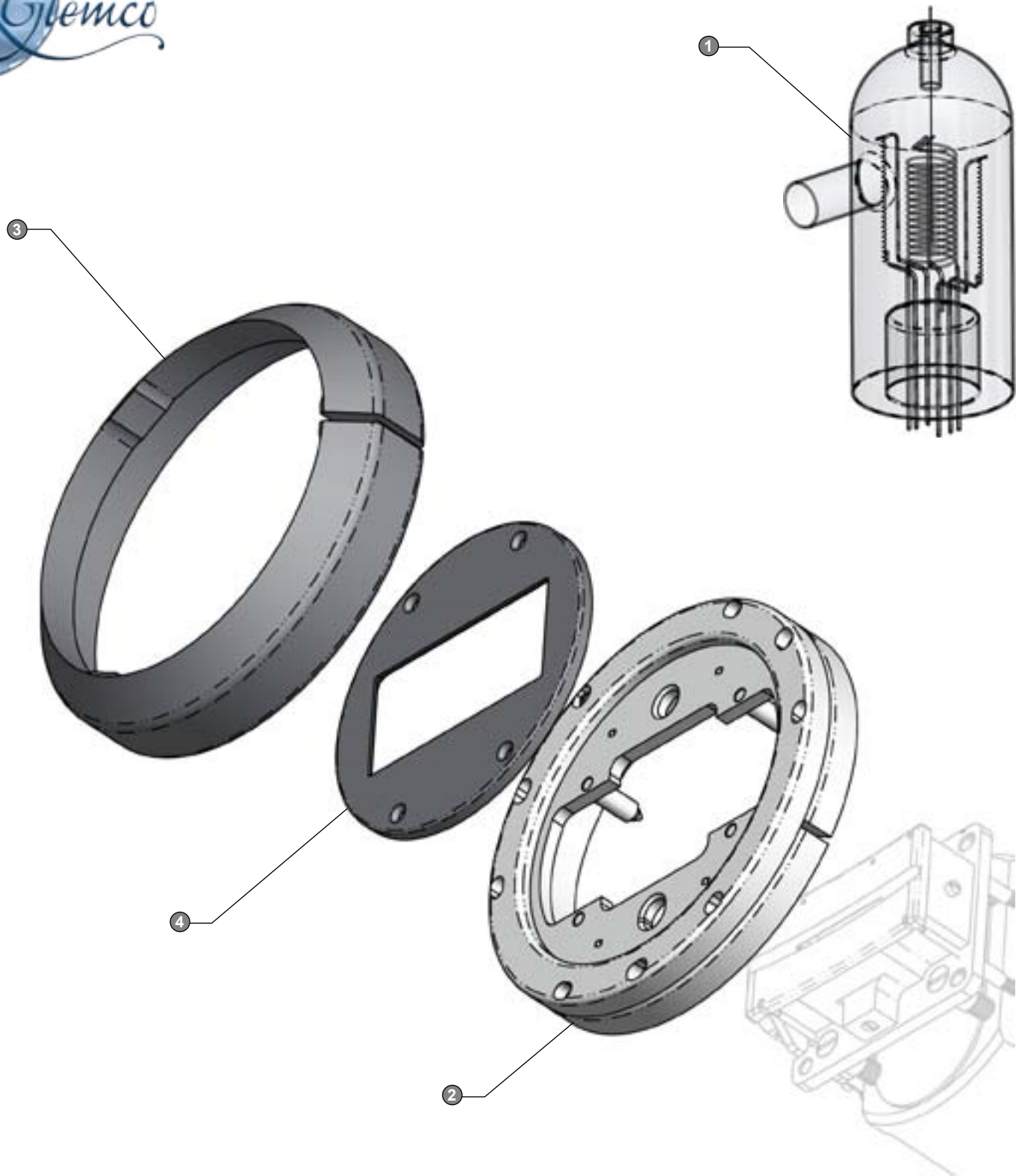


Glemco .080" Graphite Arc Chamber Molybdenum Liner System for GSD ELS Source



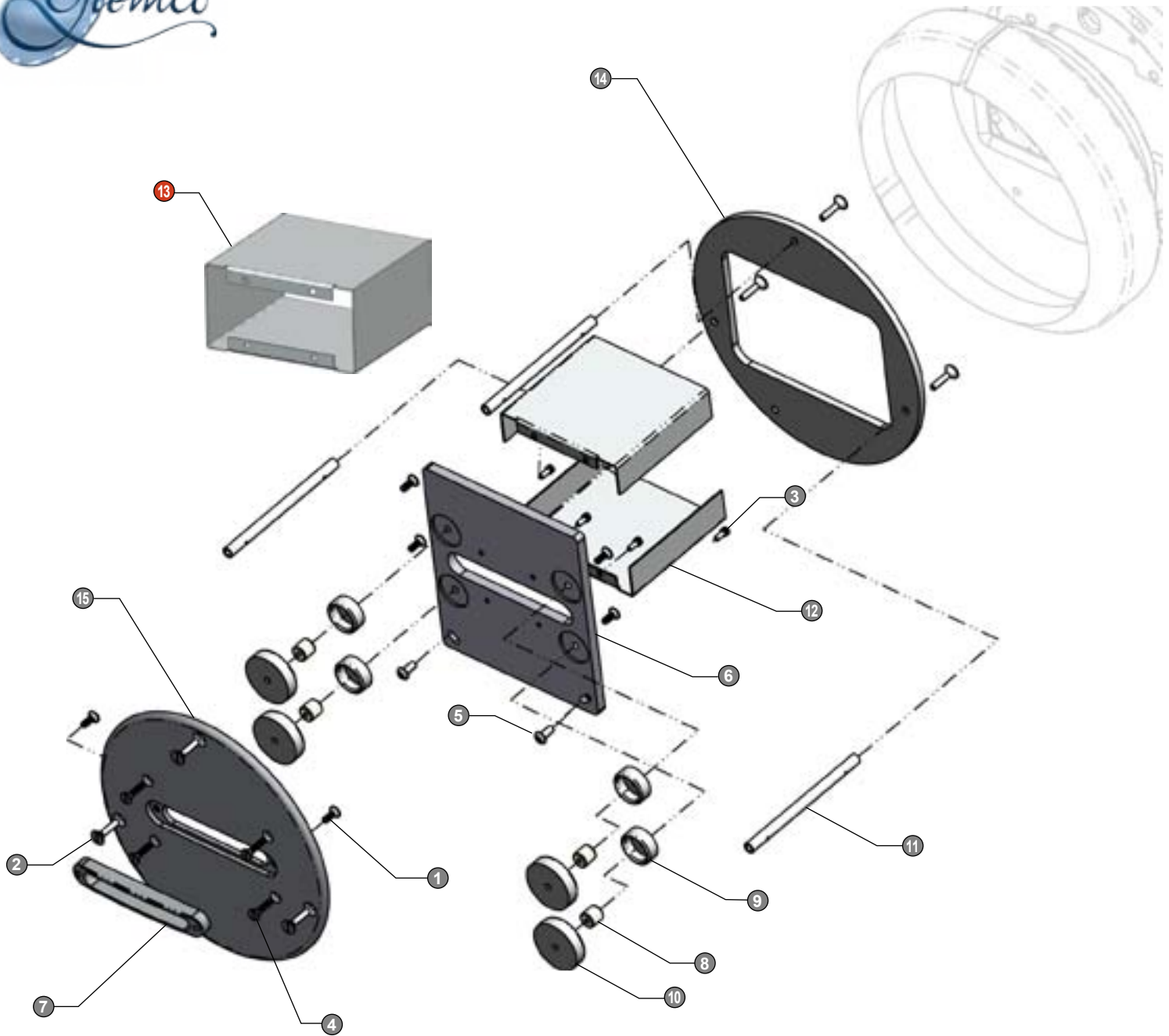
Item	P/N	Description	OEM	QTY
1	99172B	Compression Spring, Inconel	17033140	1
2	99176	Ball Joint, Graphite	17021591 / 17033160	1
3	99662	EELS Arc Ch Filament End Liner	17292620	1
4	99663	EELS Repeller End Liner, Moly, .140" Repeller	17292630	1
5	99782	Base Liner, .080 THK	No OEM Reference	1
6	99783A	Side Liner .080 Thk Non- Vaporizer	No OEM Reference	2
7	99791B	Arc Chamber, Els, Graphite, Liner, Vaporizer Has Ø.140 Repeller Hole	17133400	1
8	99825M	Gas Sleeve Liner, Moly	No OEM Reference	1
9	99826M	Cathode Sleeve Liner, Moly	No OEM Reference	1

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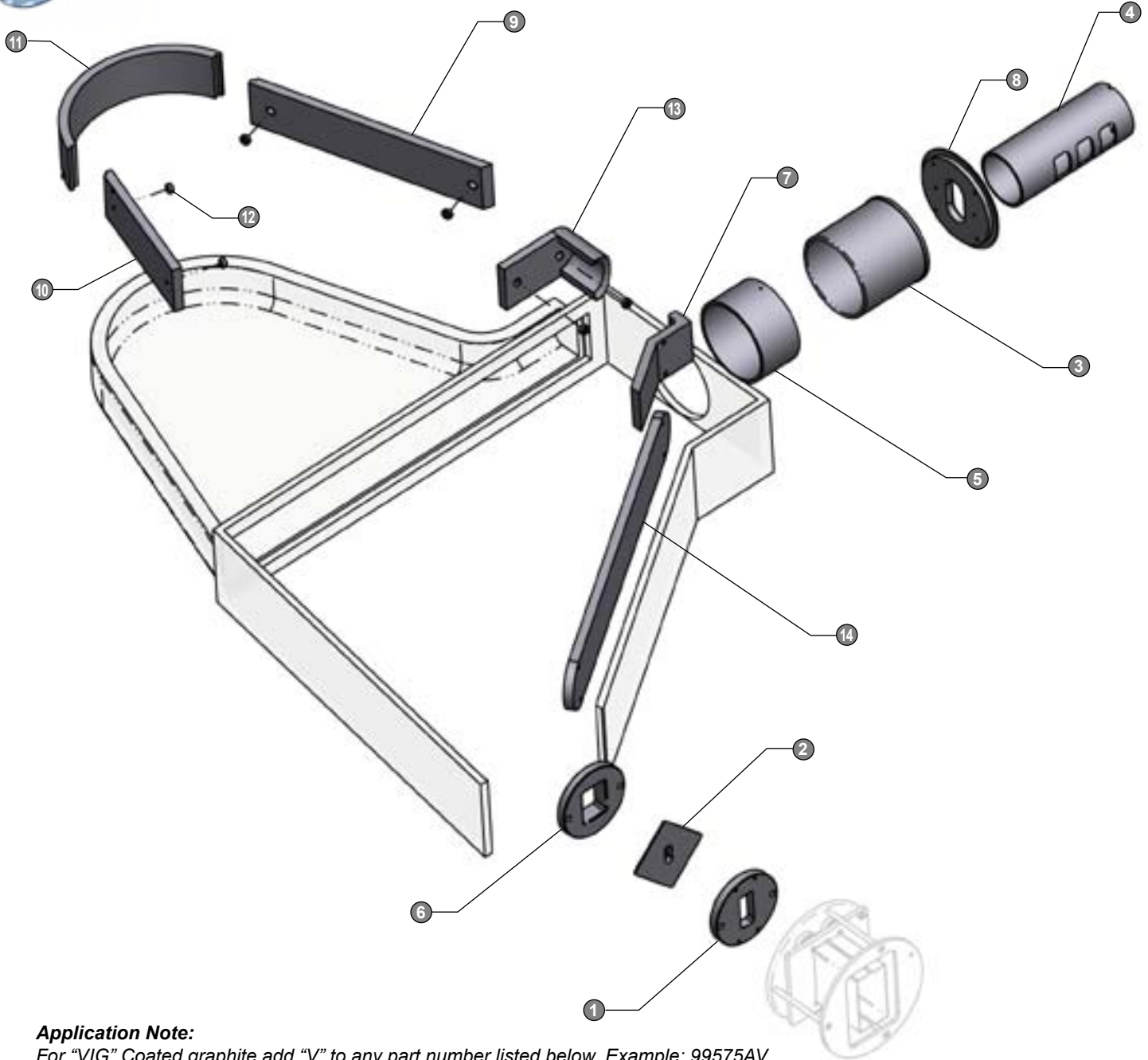
Item	P/N	Description	OEM	QTY
1	99193	Ion Gauge	3300002	1
2	99462	Source Collar	1190320	1
3	99463	Ring, Graphite	17128740	1
4	99548	Aperture, Clamp Ring	17139160 / 17128250	1

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Item	P/N	Description	OEM	QTY
1	8A166	FHS 6-32 X 3/8 Slotted 18-8 SST	440084	6
2	8A168	FHS 8-32 X 1/2 SST	4400043	6
3	82385	SHCS 4-40 X 1/4" SST	1236200403	4
4	82582	Screw, 6-32 X 7/16 Flat, Slotted	4400628	4
5	82631	8-32 X 3/8" Button Head Socket Screw, SST	4400183	2
6	99013AV	Electrode Ground Plate, Graphite, Vig	17125571	1
7	99016AV	High Voltage Aperture, Vig	17089711	1
8	99054	Ceramic Standoff, 3/8" Dia X 3/8" Long X 6-32 Thread	5000132	4
9	99138	Small Cup	1711262	4
10	99139	Large Cup	1711261	4
11	99140	Standoff	1712390	3
12	99141	Bracket, Pair	1712400	1
13	99141C	Shield, One Piece	No OEM Reference	
14	99191	Back Flange	17037730	1
15	99586V	Aperture Plate, Graphite, Vig	17125561	1

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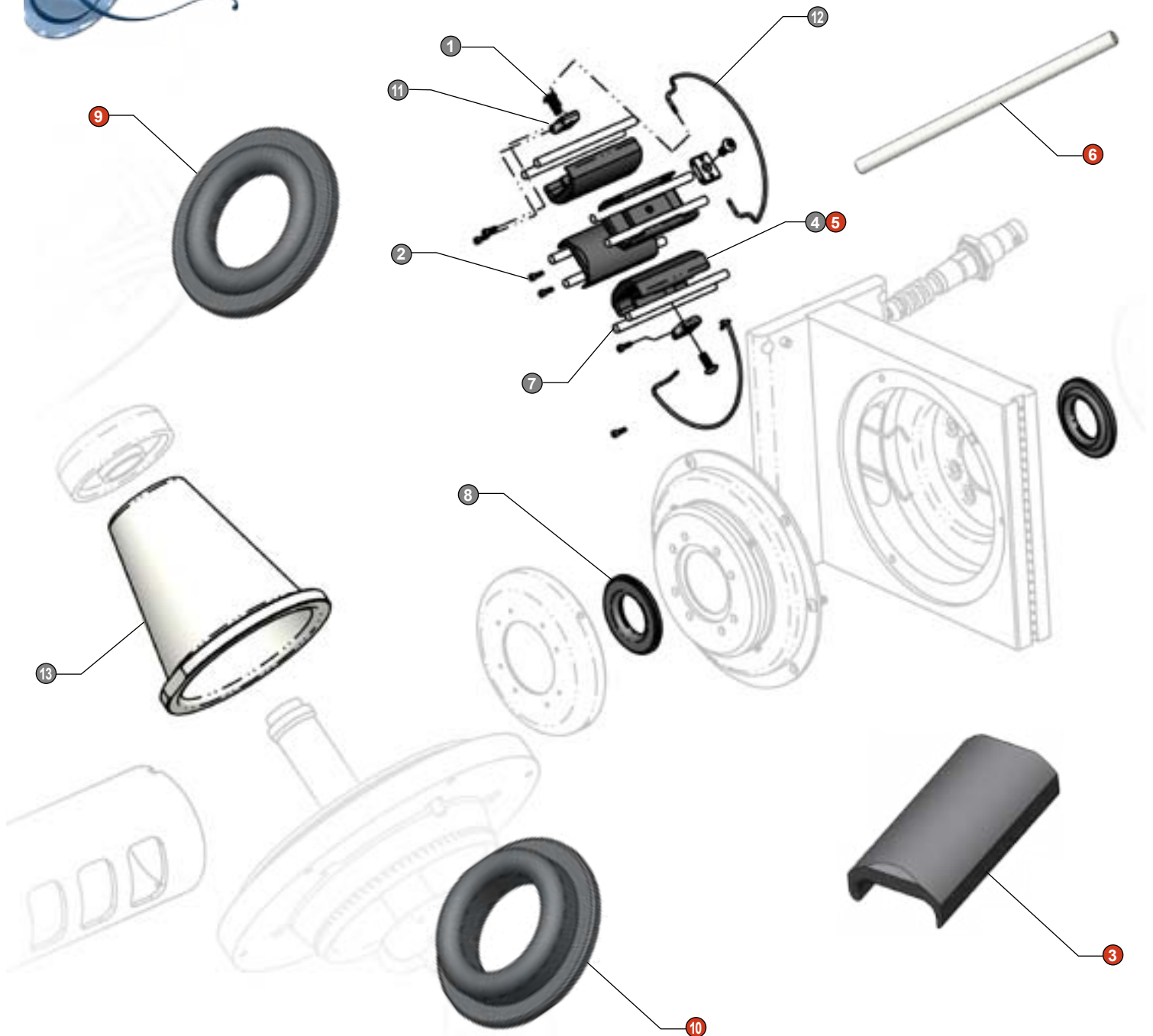


Application Note:

For "VIG" Coated graphite add "V" to any part number listed below. Example: 99575AV

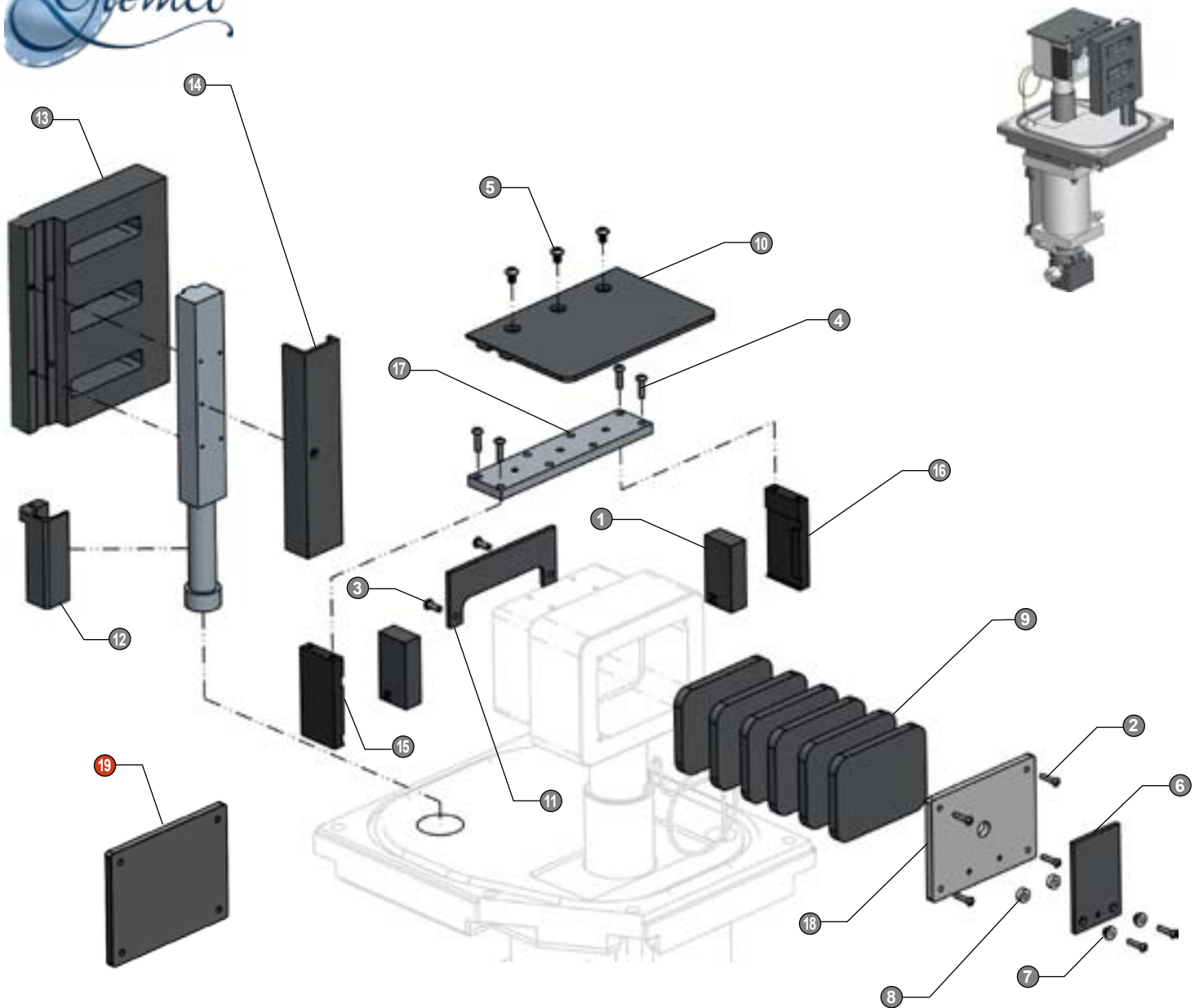
Item	P/N	Description	OEM	QTY
1	99036	Exit Aperture, Source Housing	17098511 / 17098811	1
2	99206	Entrance Aperture Plate, Linear Accel	17115930	1
3	99213	Extension Liner, Graphite	17122930	1
4	99259	Post Accel Tube, Graphite	17122950	1
5	99264	Exit Liner, Graphite	17122910	1
6	99453A	Beam Defining Aperture, Graphite	17208240	1
7	99467	Inner Exit Shield, Graphite	17122900	1
8	99489	Post Accel Aperture, Graphite	17122940	1
9	99531	Liner, Graphite	17236730	1
10	99531A	Liner, Graphite	17236720	1
11	99575A	Magnet Analyzer, Graphite	17236740	1
12	99581	Threaded Insulating Cap, Graphite	17167970	4
13	99591	Liner, Magnet, Duct, Graphite	17233330	1
14	99684	Inner Beam Dump, Graphite	17099631	1

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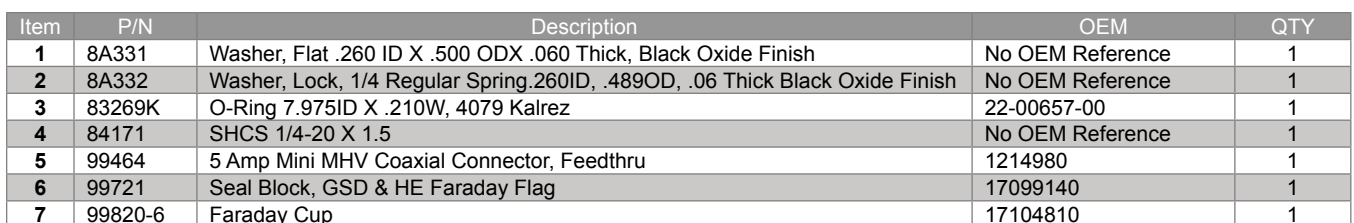
Item	P/N	Description	OEM	QTY
1	8A283	8-32 X 3/8" Vented Button Head Socket Screw, SST	No OEM Reference	4
2	82382	2-56 X 1/4" Socket Head Cap Screw, SST	1231200204 / 4400120	6
3	99752	Pole, Long (2.25"), Electrostatic Quadrapole	17051661	
4	99752A	Pole, Short (2.00"), Electrostatic Quadrapole	17118510	4
5	99752AV	Pole, Short (2.00"), Electrostatic Quadrapole, VIG	17118510	
6	99753	Support Rod, Long	17031591	
7	99754	Support Rod, Short	17031590	8
8	99760A	Aperture, .27" Thick, Quadrapole, Exit	17231630	2
9	99760B	Aperture, .28" Thick, Quadrapole, Exit	17118500	
10	99760C	Aperture, .47" Thick, Quadrapole, Exit	17061991	
11	99768	Pole Clamp	17059530	4
12	99769	Pole Connector	17060390	2
13	99780A-13	300mm RF Resonator Cone	No OEM Reference	1

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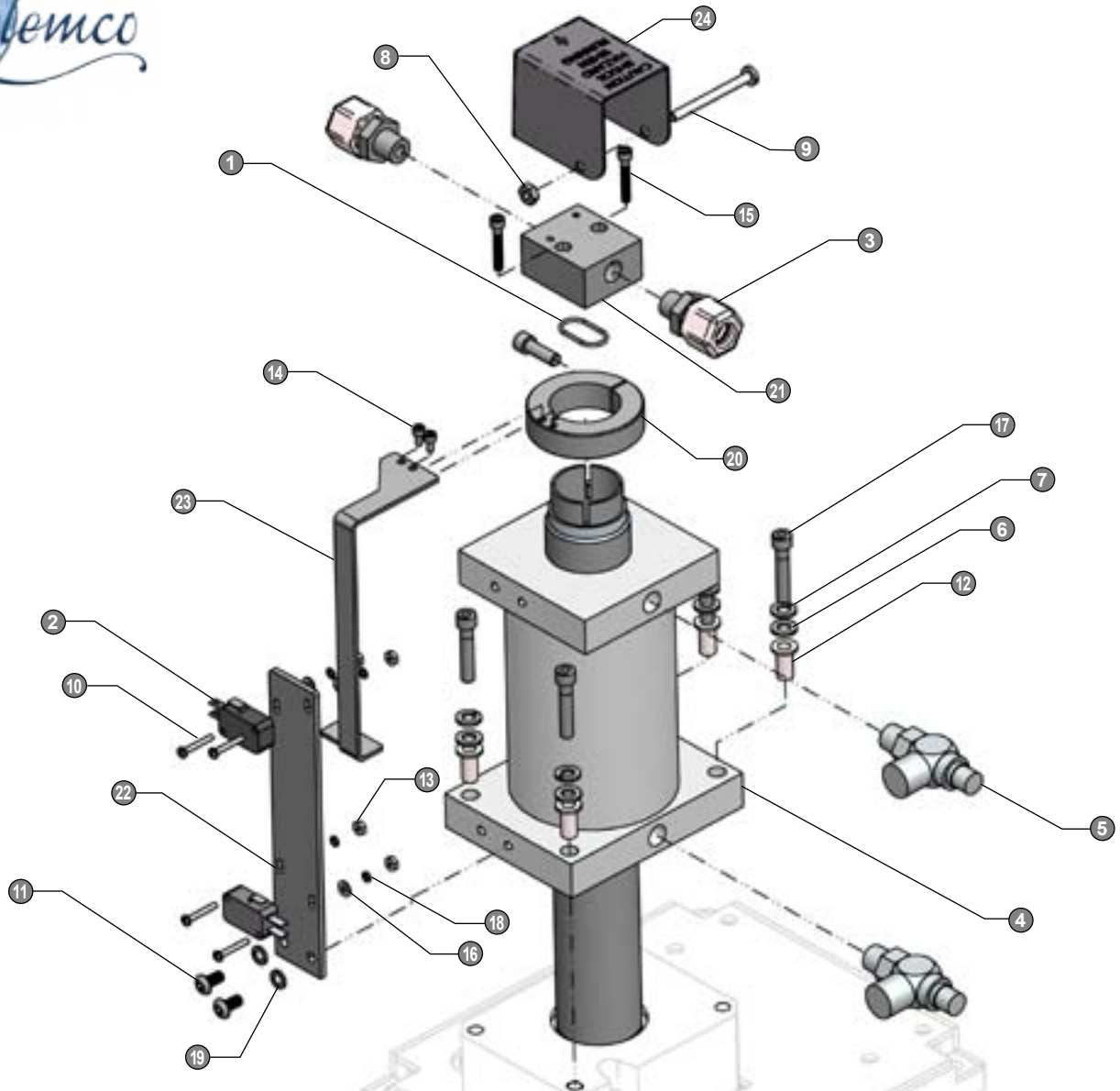


Item	P/N	Description	OEM	QTY
1	8A314	Magnet, .50 X .88 X 1.75, Samarium Cobalt, Special	No OEM Reference	2
2	82621	4-40 X 1/2" Button Head Socket Screw, SST	No OEM Reference	6
3	82627	6-32 X 3/8" Button Head Socket Screw, SST	1236200606	2
4	82629	6-32 X 1/2" Button Head Socket Screw, SST	1236200608	4
5	82630	8-32 X 1/4", Button Head Socket Screw, SST	4400735	3
6	99040A	Burn-Thru Sensor Plate, Graphite	1766531	1
7	99087	Standoff Insulator	1744570	2
8	99088	Top Insulator	1744690	2
9	99339	Strike Block, Faraday Flag	17099201 Rev. A	6
10	99390	Shield, Faraday Flag	17099831	1
11	99392	Shield, Faraday Flag	17100461	1
12	99536	Shield Tube, Selectable, Graphite	17272300	1
13	99549A	Selectable Aperture, Graphite	17250340	1
14	99674	Shield, Graphite	17250360	1
15	99820-5-1	Bracket, Magnet, Right	17065301	1
16	99820-5-2	Bracket, Magnet, Left	17065300	1
17	99820-5-3	Support Plate, Bracket	17099150	1
18	99820-10	Cover Plate, Aluminum	17104820	1
19	99820-10G	Cover Plate, Faraday Cup, Graphite	17104820	

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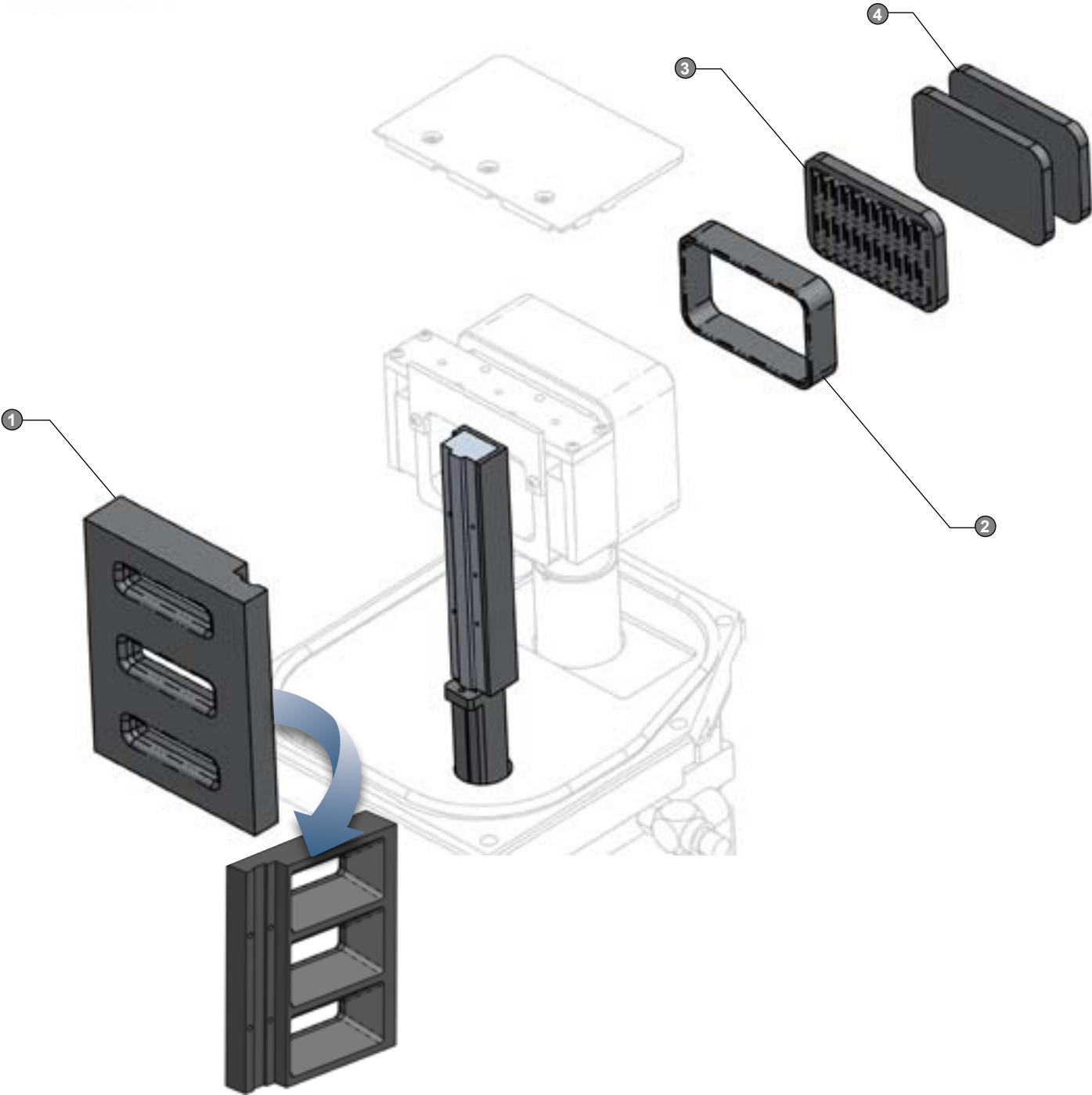


Item	P/N	Description	OEM	QTY
1	8A222	O-Ring -.018 Buna-N	No OEM Reference	1
2	8A312	Limit Switch	6500393	2
3	8A313	Fitting, 1/4 NPT Male	3401324	2
4	8A315	Air, Cylinder 3" Bore X 3.25" Stroke	No OEM Reference	1
5	8A316	Flow Control, Recessed	No OEM Reference	2
6	8A331	Washer, Flat .260 ID X .500 ODX .060 THK	No OEM Reference	4
7	8A332	Washer, Lock, 1/4 Reg. Spring .260ID, .489OD, .06 THK	No OEM Reference	4
8	8A333	Nut, Hex 10-32, Nylon	No OEM Reference	1
9	8A334	PH, 10-32 X 2", Nylon Slotted	No OEM Reference	1
10	8A338	PH, 4-40 X 3/4" Slotted Pan HDSS 18-8	No OEM Reference	4
11	8A344	10-32 X .375" BHSS, SST	No OEM Reference	1
12	8A345	Washer, Shoulder, .260 ID, .500 OD X .060 Lng Shoulder, .312 OD X .630 Shank Lth., Nylon	4000982	4
13	82294	Nut 4-40 Hex 18-8 SST	5053-0001-0042	4
14	82412	6-32 X 1/4", SHCS, SST 18-8	6973-0002-6202	2
15	82433	SHCS 8-32 x 1.0 SST	1231110820	2
16	82455	No.4 Flat Washer, .032 Thick, SST	1412200400	4
17	82458	SHCS 1/4-20 x 3.50, Alloy	No OEM Reference	4
18	82601	Lock Washer REG. Spring .120 ID, .209 OD, .025 THK No.4	48K00033	4
19	82608	Lock Washer No.10 Regular Spring	4400041	2
20	99395	Shaft Clamp Spacer, SST	1212680	1
21	99820-4	Manifold	17065260	1
22	99820-8-1	Support Plate, Bracket	17065280	1
23	99820-11	Arm, Limit Switch Activator	17133500	1
24	99820-12	Cover	17104770	1

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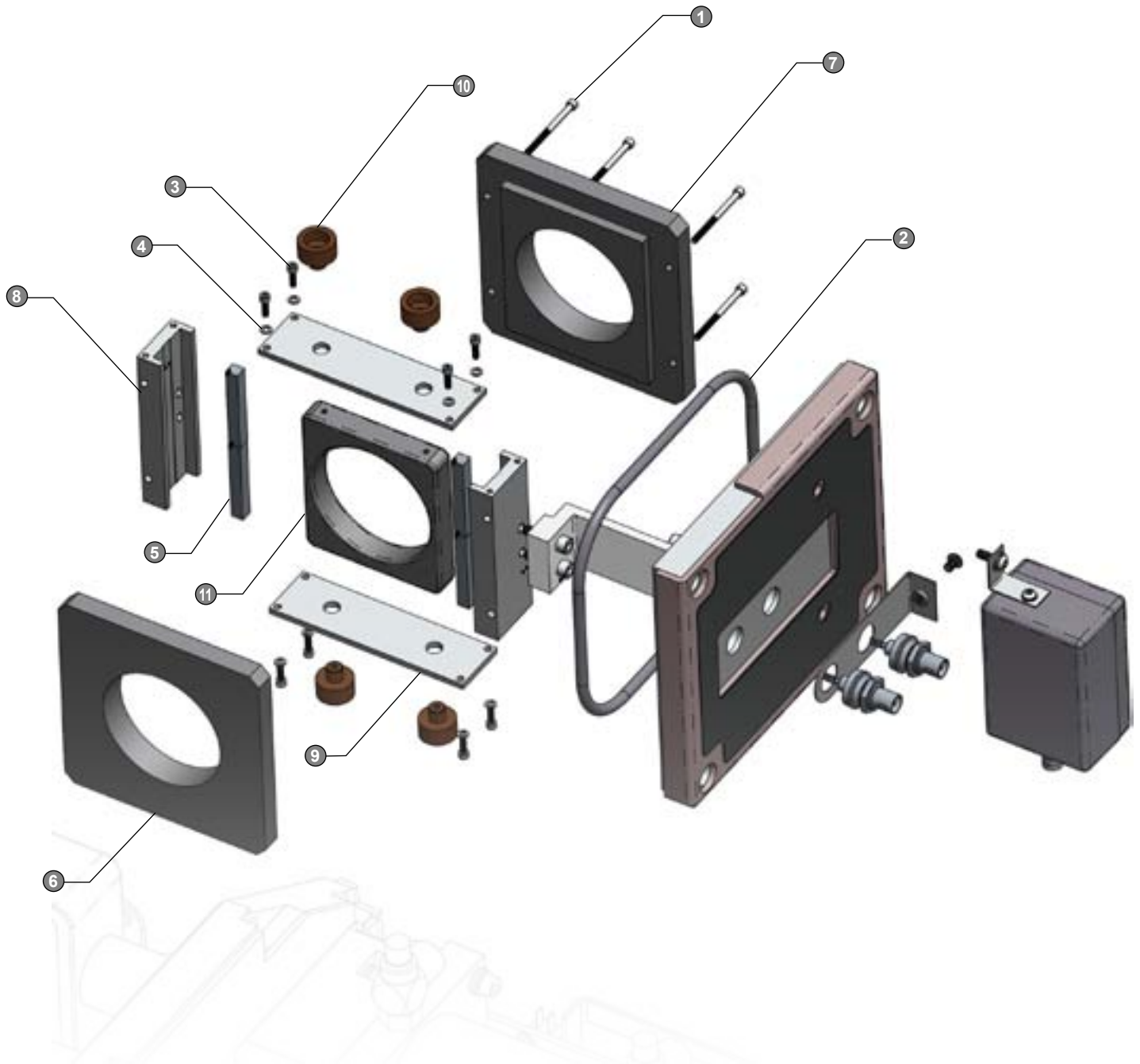


Optional Assembly Components



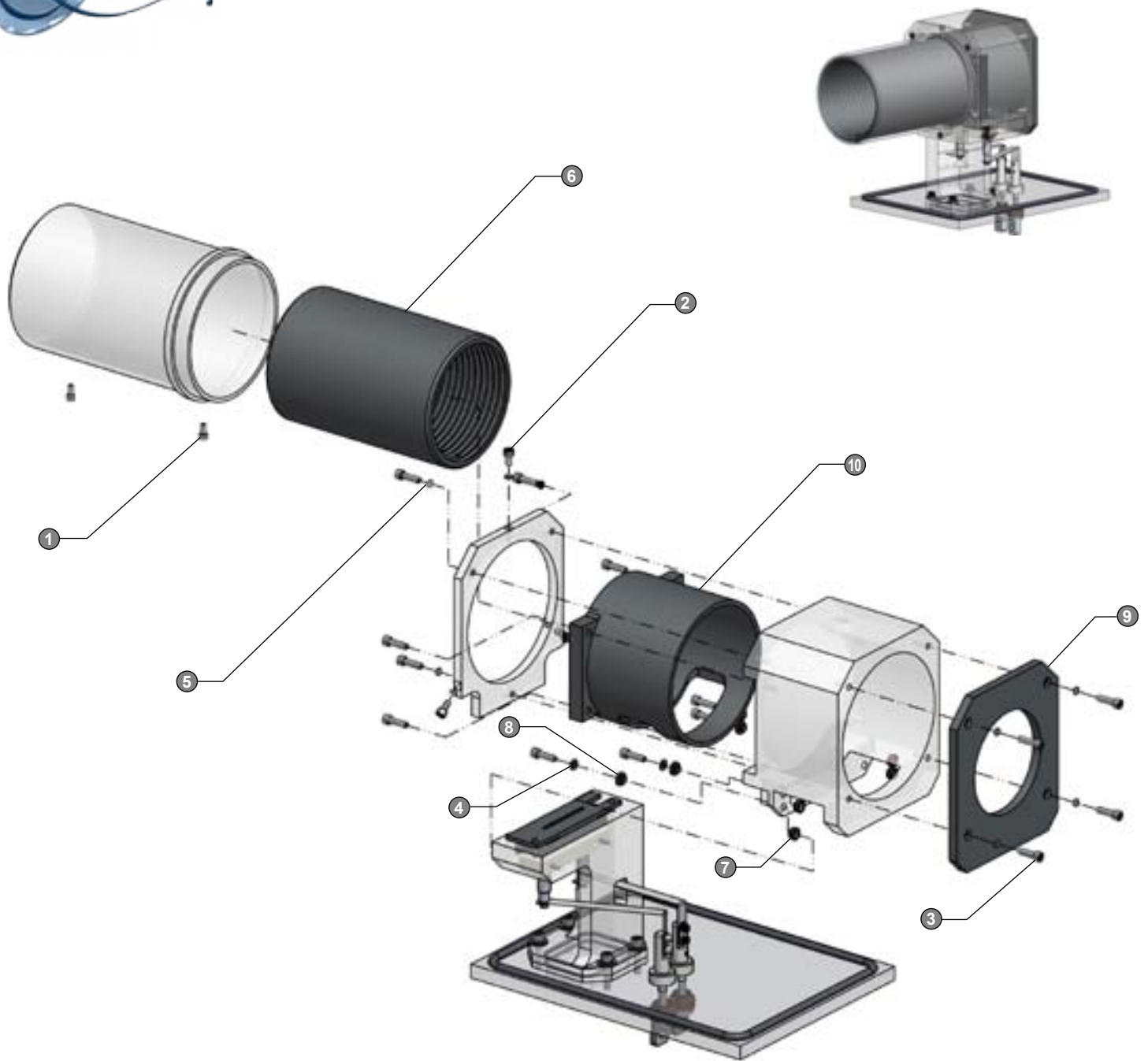
Item	P/N	Description	OEM	QTY
1	99549B	Selectable Aperture	No OEM Reference	1
2	99679	Spacer, Strike Plate, Graphite	17320320	1
3	99681AV	Strike Plate, Serrated, Graphite VIG	17319860	1
4	99781	Strike Plate, Graphite	17319860	2

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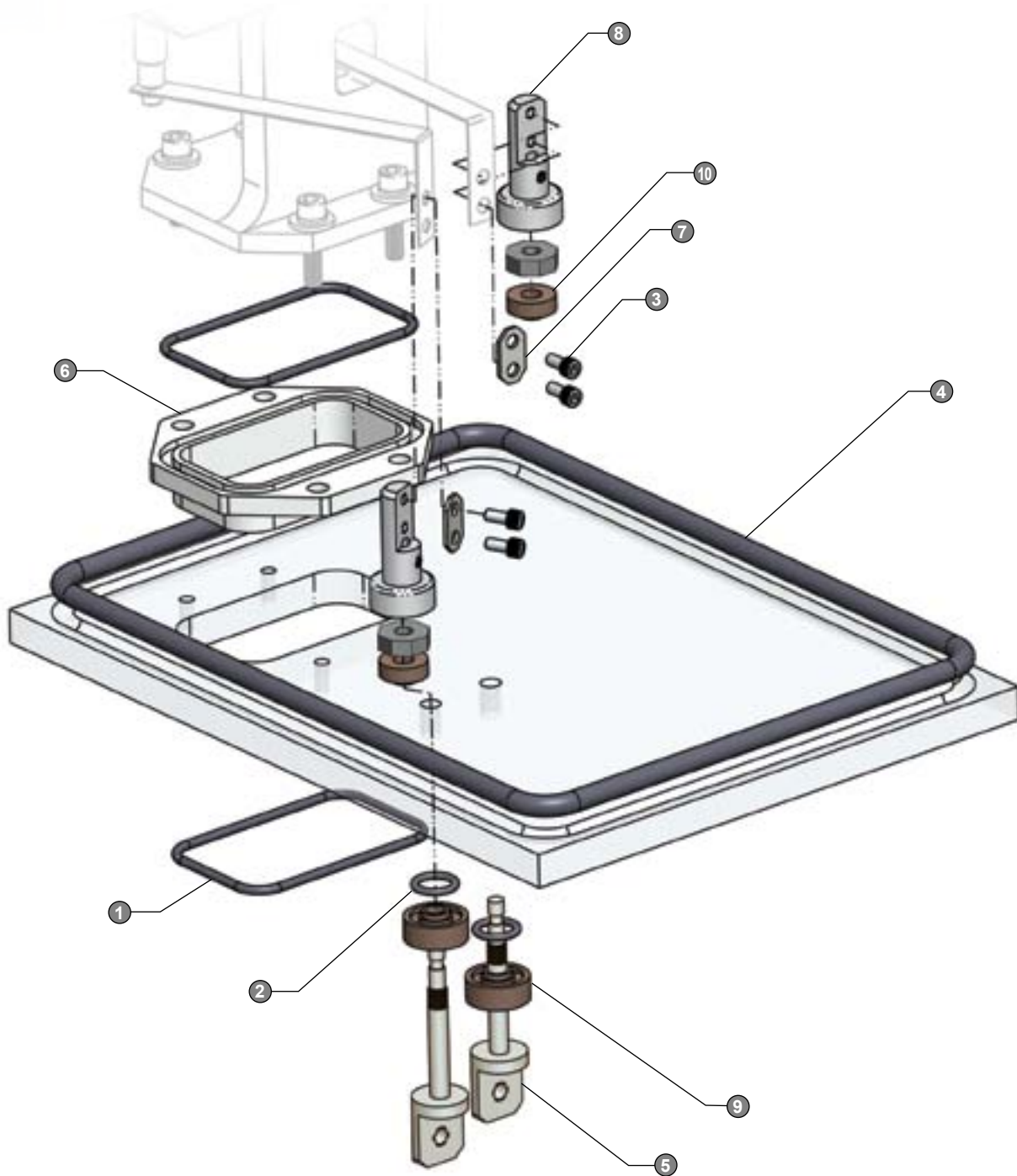
Item	P/N	Description	OEM	QTY
1	8A122	4-40 X 1-1/2, SHCS, SST 18-8	44S0040	4
2	8A219	O-Ring, -361 Buna-N	3500034	1
3	82387	SHCS 4-40 X 3/8" SST	4400004	8
4	82601	Lock Washer Reg Spring .120 ID, .209 OD, .025 Thick No. 4. SST	48K00033	8
5	99248	Magnetic Deflector Magnet	1749640	4
6	99305	Front Shield, Electromagnetic Energy Reflector, Graphite	17138750	1
7	99305A	Rear Shield, Electromagnetic Energy Reflector	17138740	1
8	99398-5	Mounting Block	No OEM Reference	2
9	99398A-4	Side Plate	No OEM Reference	2
10	99459	Bias Ring Aperture Insulator	17174410	4
11	99577	Aperture, Back Bias, EMER, Graphite	17138730	1

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Item	P/N	Description	OEM	QTY
1	82385	SHCS 4-40 X 1/4" SST	1236200403	2
2	82412	6-32 X 1/4", SHCS, SST 18-8	4400216	3
3	82415	6-32 X 1/2" SHCS, SST	1231200608	15
4	82470	Washer Flat 6 X .025 Thick SST	141220600	4
5	82606	No. 6 Regular Spring Washer, 18-8 SST	4400034	10
6	99363A	Electron Shower Tube	17135440	1
7	99367A	Electron Shower Tube Insulator	17109910 REV A	4
8	99419	BSHG Snap Insulator	17109340	4
9	99475	Electron Shower Aperture Entrance	17173230 REV A	1
10	99476	Electron Shower Target, Graphite	17164580	1

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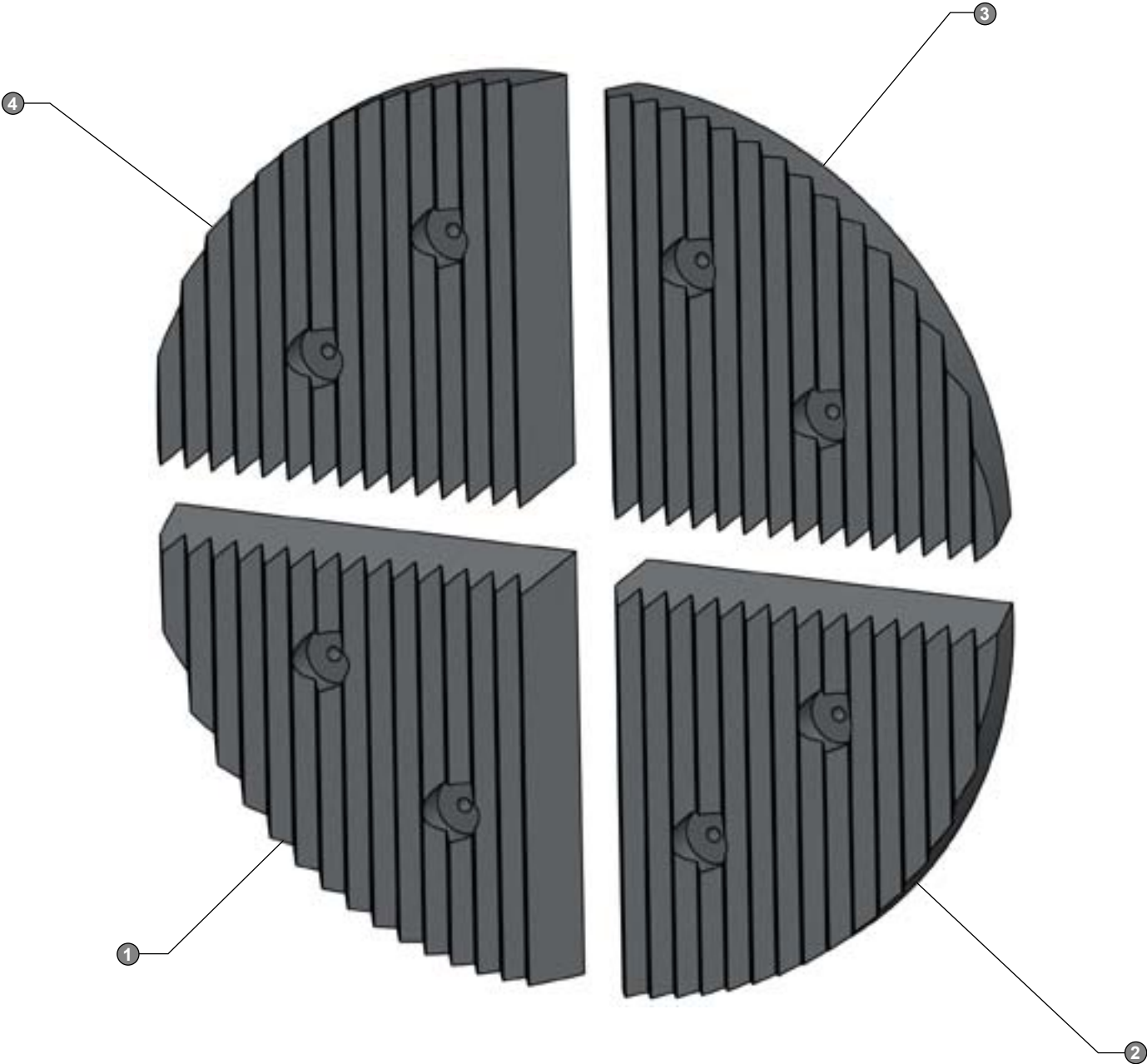


Item	P/N	Description	OEM	QTY
1	8A218	O-Ring - 137 Buna-N	3500774	2
2	82200	O-Ring -012 Buna-N	2542012 / E35000067 / 3500068	2
3	82385	SHCS 4-40 X 1/4" SST	1236200403 / 4400194 / 4400105	8
4	83264	O-Ring -364 Buna-N	3500028	1
5	99240A	Electron Shower Feed-Thru, for Glemco Design	No OEM Reference	2
6	99318	E-Shower Base Insulator	No OEM Reference	1
7	99375	Clamp Feed Strap	17A0830	2
8	99376A	Strap Mount	17S1597	2
9	99379	Feed-Thru Insulator	17S4891 REV A	2
10	99380A	Spacer, for Glemco Design, Vespel®	No OEM Reference	2

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Item	P/N	Description	OEM	QTY
1	99483	Faraday Strike Plate, Disc 1	17182570	1
2	99484	Faraday Strike Plate, Disc 2	17182580	1
3	99485	Faraday Strike Plate, Disc 3	17182590	1
4	99486	Faraday Strike Plate, Disc 4	17182600	1

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