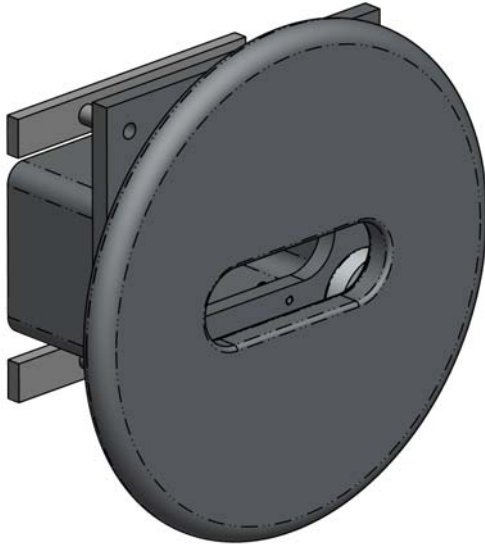


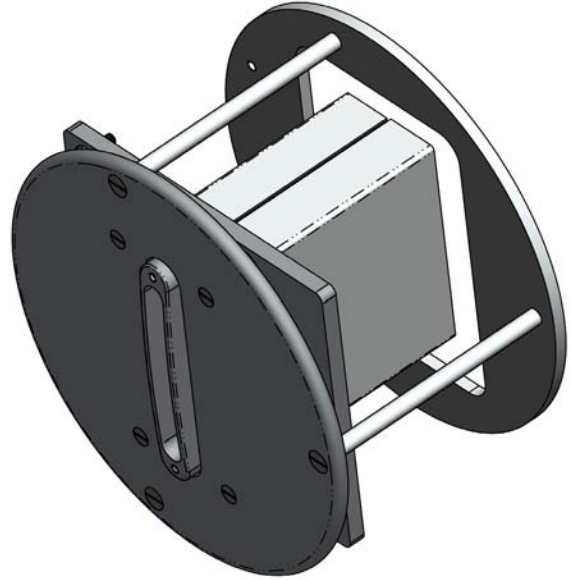


Illustrated Parts Guide Extraction Electrode Assemblies for GSD Systems

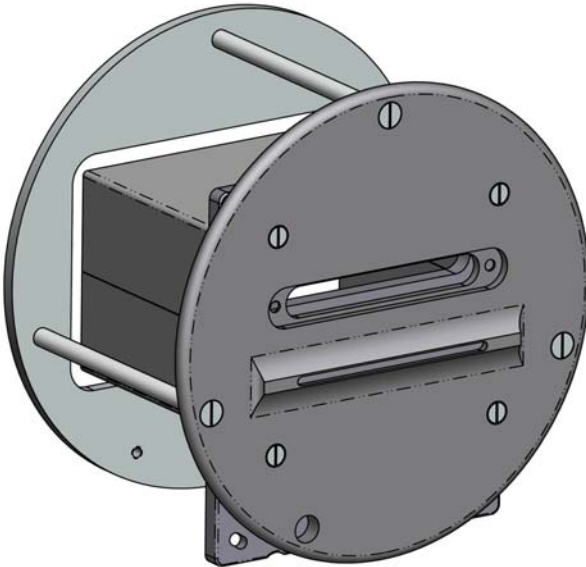
High Current Post Accel Extraction Assembly



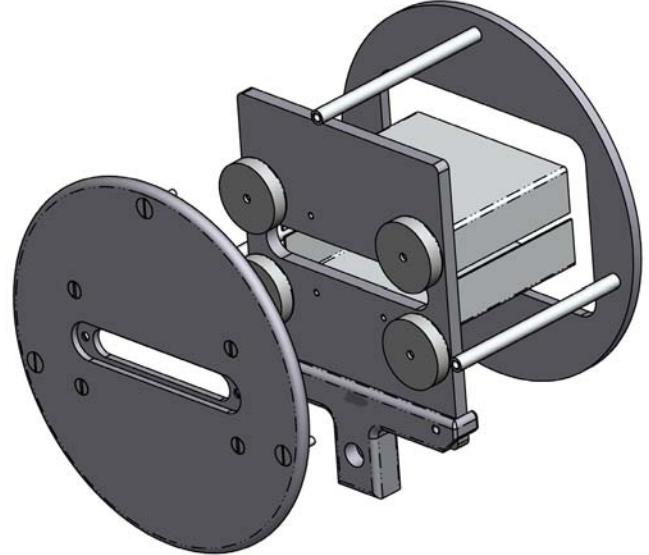
High Energy Extraction Assembly



High Energy Extraction Head, Selective Aperture Assembly



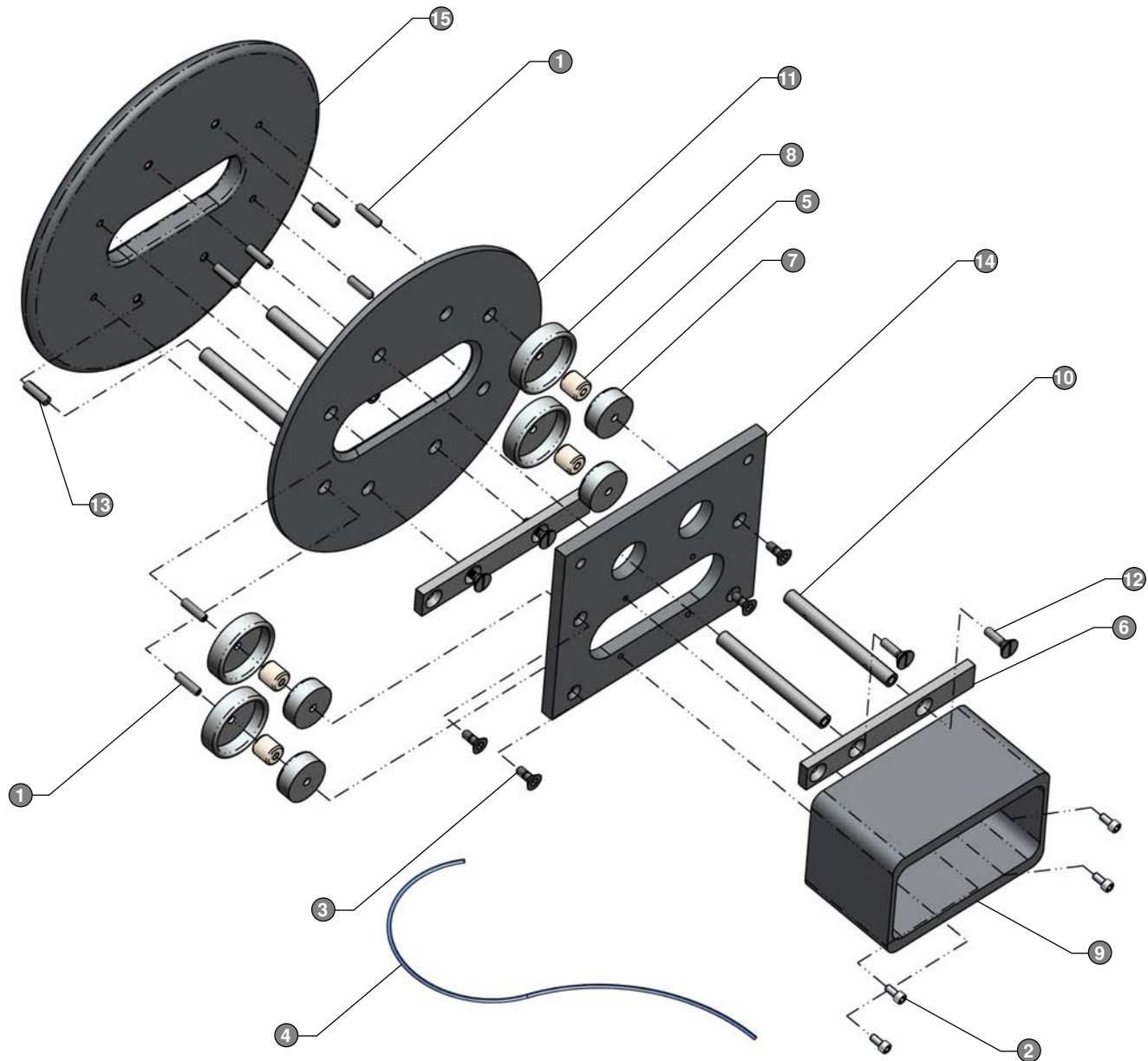
Glemco Modified HE Manipulator Head



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High Current Post Accel Extraction Electrode Assembly

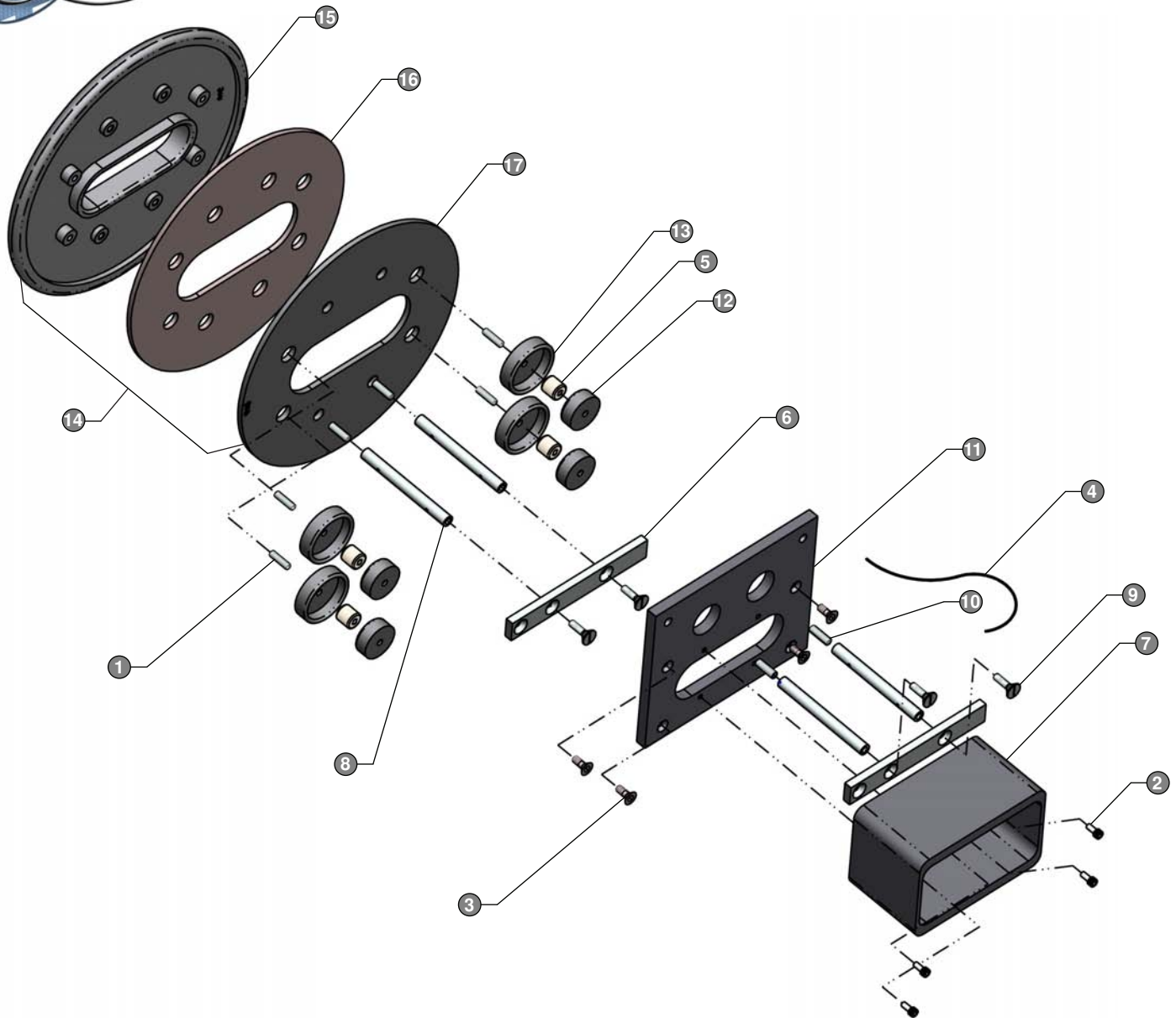


Item	P/N	Description	OEM	QTY
1	82119	6-32 X 1/2, Set Screw, 18-8 SST	4400082	4
2	82385	SHCS 4-40 X 1/4" SST	1236200403	4
3	82587	FHSS #6-32 3/8 LG SST	No Reference	4
4	82785	Wire, Safety, .032" DIA, 302 SST	7100042	Sold by FT.
5	99054	Ceramic Standoff, 3/8" Dia X 3/8" Long X 6-32 Thread	5000132	4
6	99137	Bar	1701730	2
7	99138	Small Cup	1711262	4
8	99139	Large Cup	1711261	4
9	99473	Post Accel Aperture, Graphite	17122980	1
10	99582	Electrode Standoff	1712391 REV C	4
11	40570A	Shield, Extraction Electrode	17237120	1
12	8A217	8-32 X 3/8" Flat Head Screw, 18-8 SST	4400024	4
13	8A387	VSS, 8-32 X 1/2, SST	4400664	4
14	99030C	Single Gas Ground Electrode Plate, Graphite	17237140	1
15	99181B	Extraction Aperture, Graphite	17237130	1

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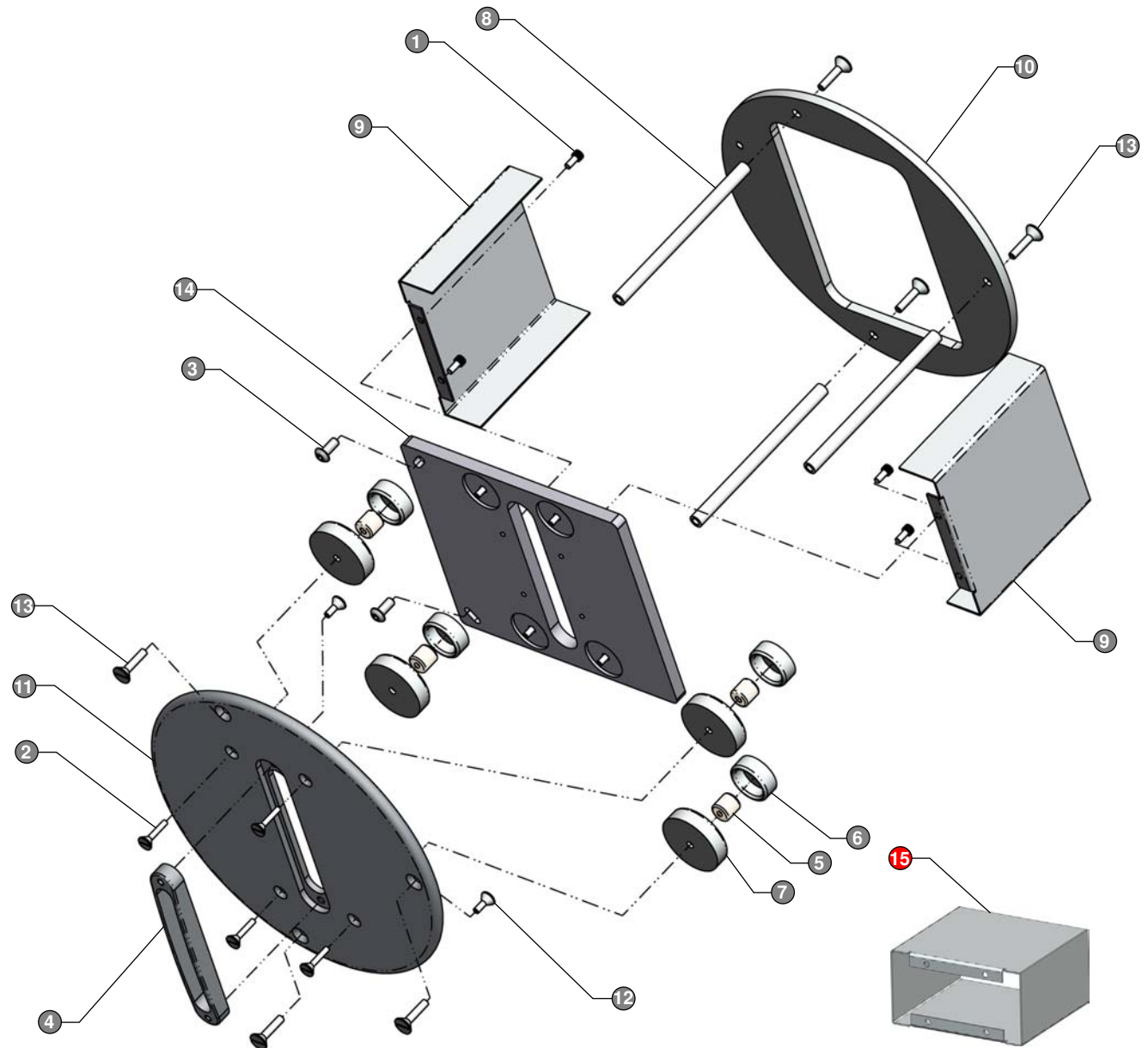


High Current Post Accel Extraction Electrode Alternative Assembly



Item	P/N	Description	OEM	QTY
1	82119	6-32 X 1/2, Set Screw, 18-8 SST	4400082	4
2	82385	SHCS 4-40 X 1/4" SST	1236200403	4
3	82587	FHSS #6-32 3/8 LG SST	No Reference	4
4	82785	Wire, Safety, .032" DIA, 302 SST	7100042	Sold by FT.
5	99054	Ceramic Standoff, 3/8" Dia X 3/8" Long X 6-32 Thread	5000132	4
6	99137	Bar	1701730	2
7	99473	Post Accel Aperture, Graphite	17122980	1
8	99582	Electrode Standoff	1712391 REV C	4
9	8A217	8-32 X 3/8" Flat Head Screw, 18-8 SST	4400024	4
10	8A387	VSS, 8-32 X 1/2, SST	4400664	4
11	99030C	Single Gas Ground Electrode Plate, Graphite	17237140	1
12	99138G	Small Cup, Graphite	No Reference	4
13	99139G	Large Cup, Graphite	1711261	4
14	99181C	Tungsten Reinforced Aperture	No Reference	1
15	99181C-1	Aperture, Graphite	No Reference	1
16	99181C-2	Shield Extraction Electrode, Tungsten	No Reference	1
17	99181C-3	Shield Extraction Electrode, Graphite	No Reference	1

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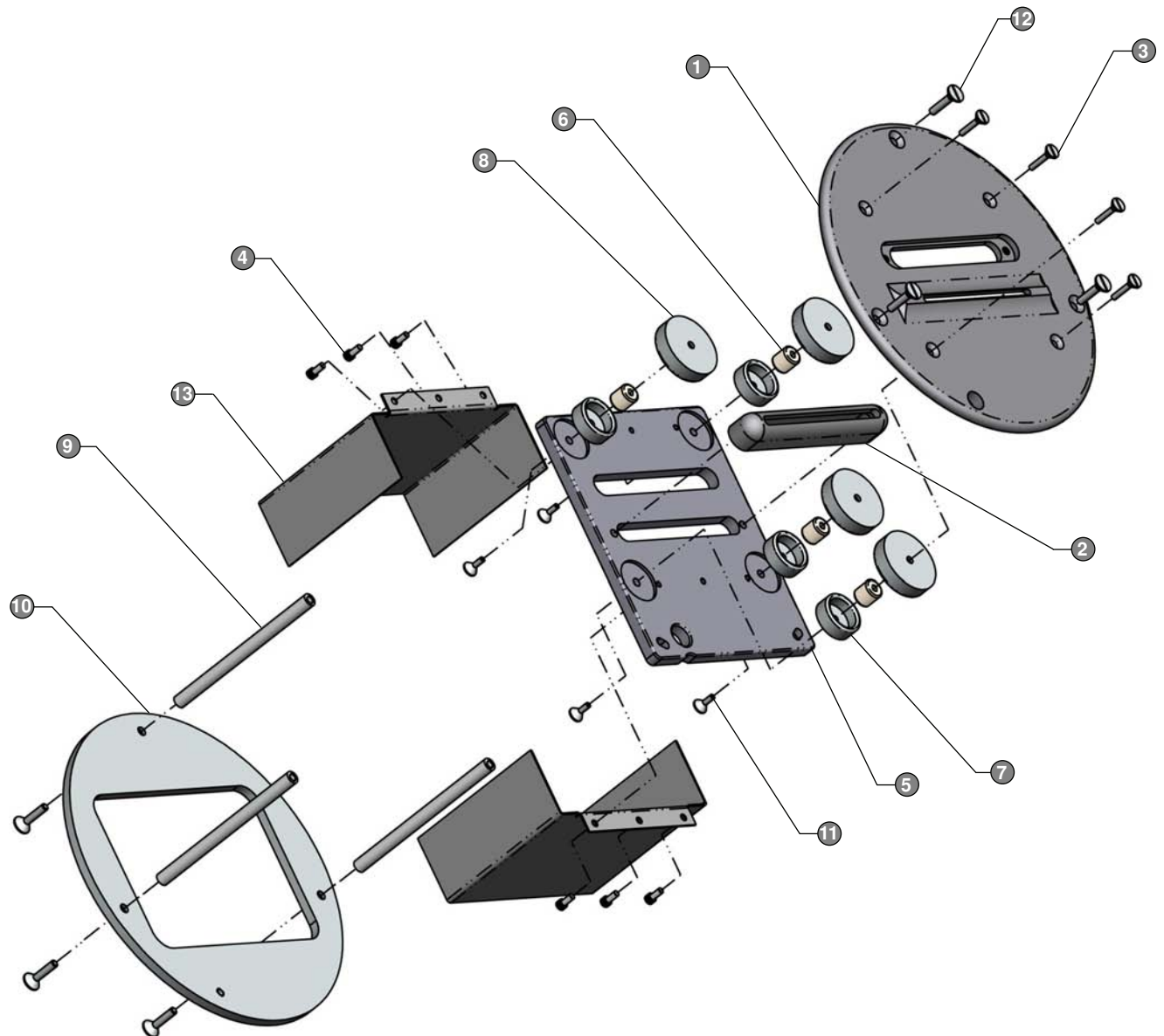


Item	P/N	Description	OEM	QTY
1	82385	SHCS 4-40 X 1/4" SST	1236200403	4
2	82582	Screw, 6-32 X 7/16 Flat, Slotted	4400628	4
3	82631	8-32 X 3/8" Button Head Socket Screw, SST	4400183	2
4	99016	High Voltage Aperture	17037720	1
5	99054	Ceramic Standoff, 3/8" Dia X 3/8" Long X 6-32 Thread	5000132	4
6	99138	Small Cup	1711262	4
7	99139	Large Cup	1711261	4
8	99140	Standoff	1712390	3
9	99141	Bracket, Pair	1712400	1
10	99191	Back Flange	17037730	1
11	99586	Aperture Plate, Graphite	17125561	1
12	8A166	FHS 6-32 X 3/8 Slotted 18-8SST	440084	6
13	8A168	FHS 8-32 X 1/2 SST	4400043	6
14	99013A	Electrode Ground Plate, Graphite	17125571	1
15	99141C	Shield, One Piece	No Reference	

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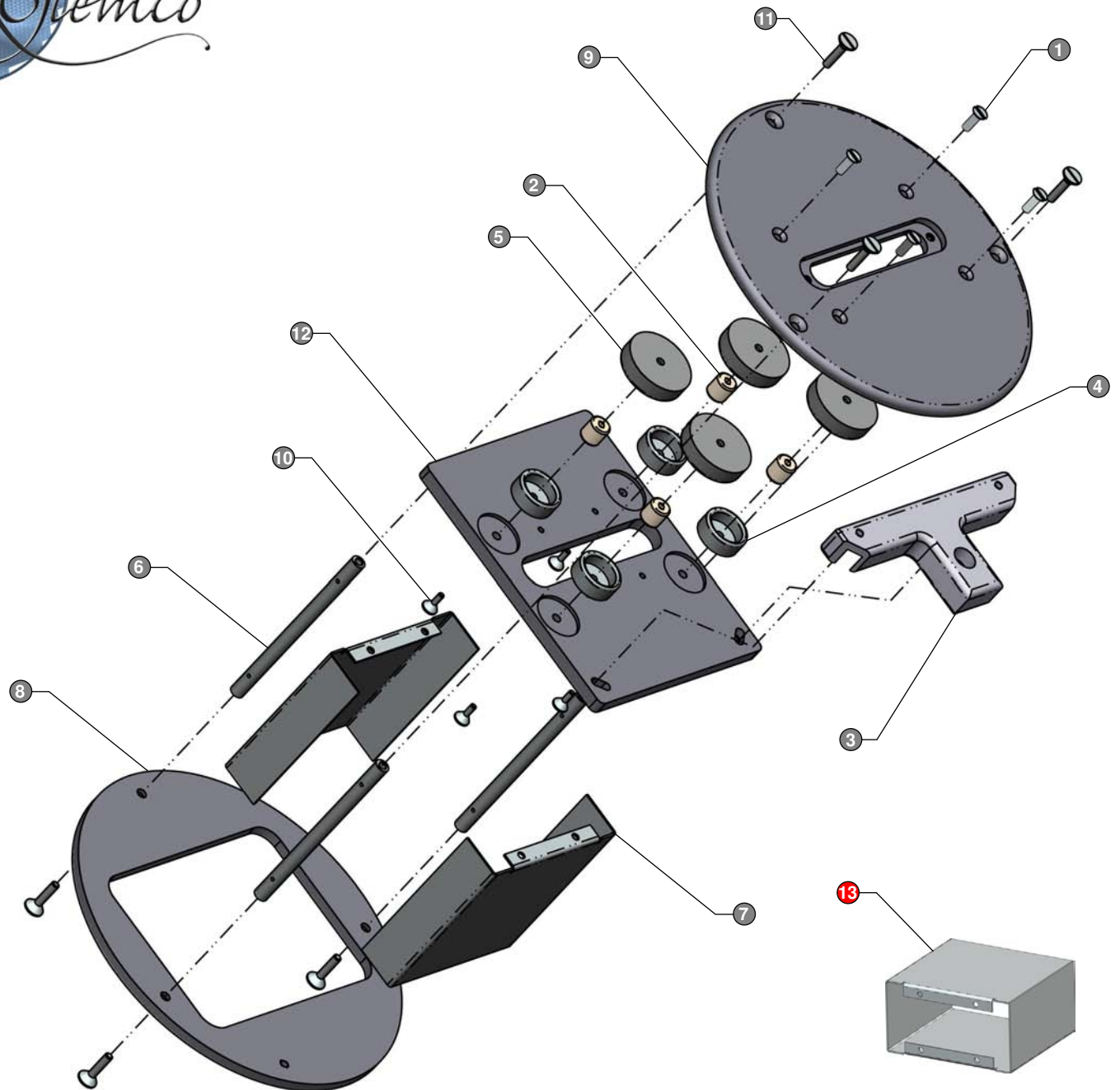


High Energy Extraction Electrode Head, Selective Aperture Assembly



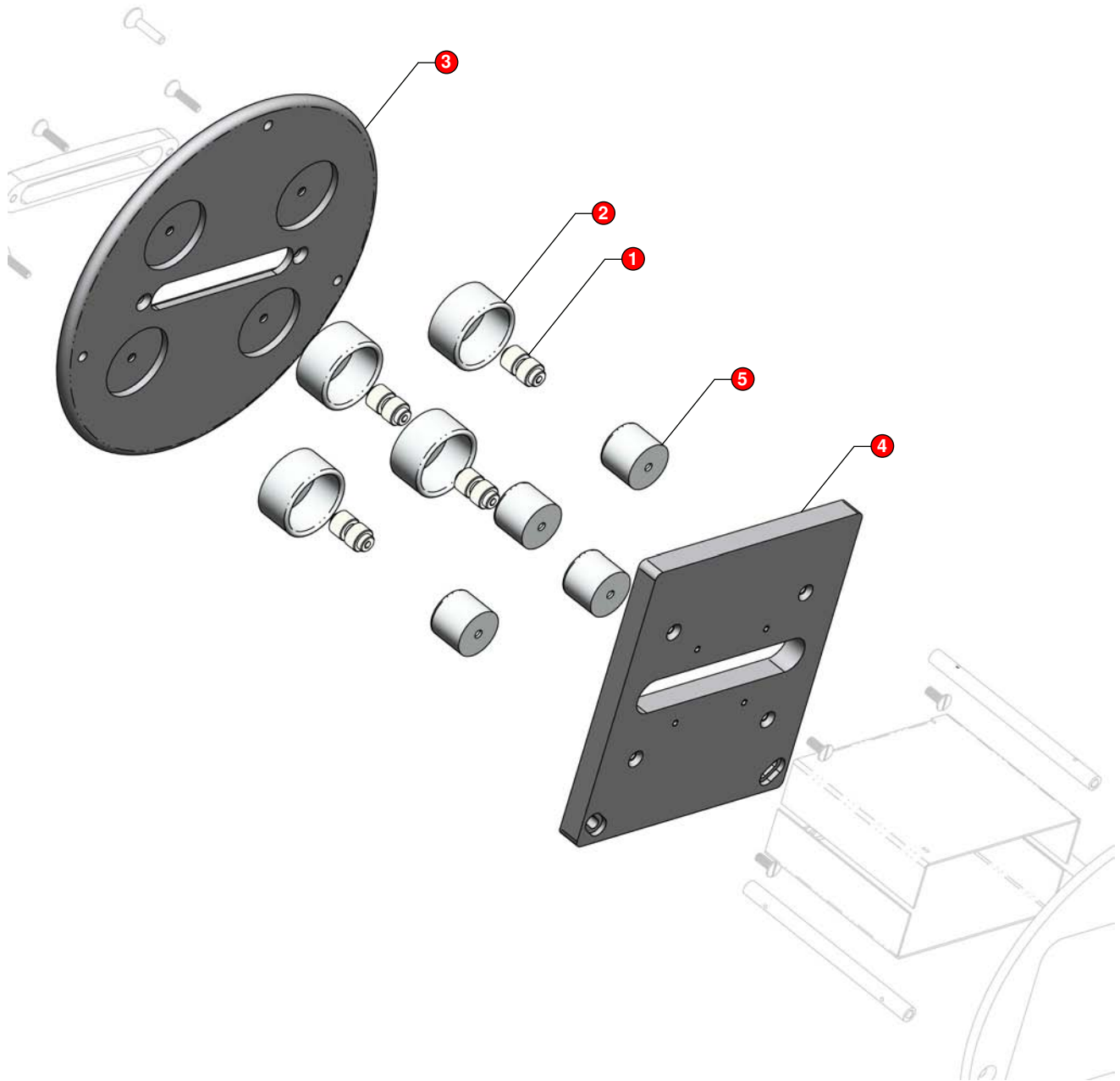
Item	P/N	Description	OEM	QTY
1	40550	Extraction Electrode, Graphite	1550-0037-001	1
2	40552	Low Voltage Aperture	1550-0038-0001	1
3	82582	Screw, 6-32 X 7/16 Flat, Slotted	4400628	4
4	82385	SHCS 4-40 X 1/4\" SST	1236200403 / 4400194 / 4400105	6
5	99013	Electrode Ground Plate	17064260 / 17064260 / 17037680	1
6	99054	Ceramic Standoff, 3/8\" Dia X 3/8\" Long X 6-32 Thread	7230-0003-0038	4
7	99138	Small Cup	1711262	4
8	99139	Large Cup	1711261	4
9	99140	Stand-Off	1712390	3
10	99191	Back Flange	17037730	1
11	8A166	FHS 6-32 X 3/8 Slotted, 18-8 SST	4400084	4
12	8A168	FHS 8-32 X 1/2 SST	4400043	6
13	99141A	Bracket, Pair	17037940	1

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Item	P/N	Description	OEM	QTY
1	82582	Screw, 6-32 X 7/16 Flat, Slotted	4400628	4
2	99054	Ceramic Standoff, 3/8" Dia X 3/8" Long X 6-32 Thread	5000132	4
3	99104	Mounting Bracket, SST	No Reference	1
4	99138	Small Cup	1711262	4
5	99139	Large Cup	1711261	4
6	99140	Standoff, SST	1712390	3
7	99141	Bracket, Pair	1712400	1
8	99191	Back Flange	17037730	1
9	99586	Aperture Plate, Graphite	17125561	1
10	8A166	FHS 6-32 X 3/8 Slotted 18-8SST	440084	4
11	8A168	FHS 8-32 X 1/2 SST	4400043	6
12	99013A	Electrode Ground Plate, Graphite	17125571	1
13	99141C	Shield, One Piece	No Reference	

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Item	P/N	Description	OEM	QTY
1	99742	Insulator, Hi-REL	17E4902	4
2	99138A	Large Cup, Hi-REL	No Reference	4
3	99586A	Aperture Plate, Hi-REL	No Reference	1
4	99013C	Electrode Ground Plate, Hi-RE	17125571	1
5	99138C	Small Cup	1711262	4

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