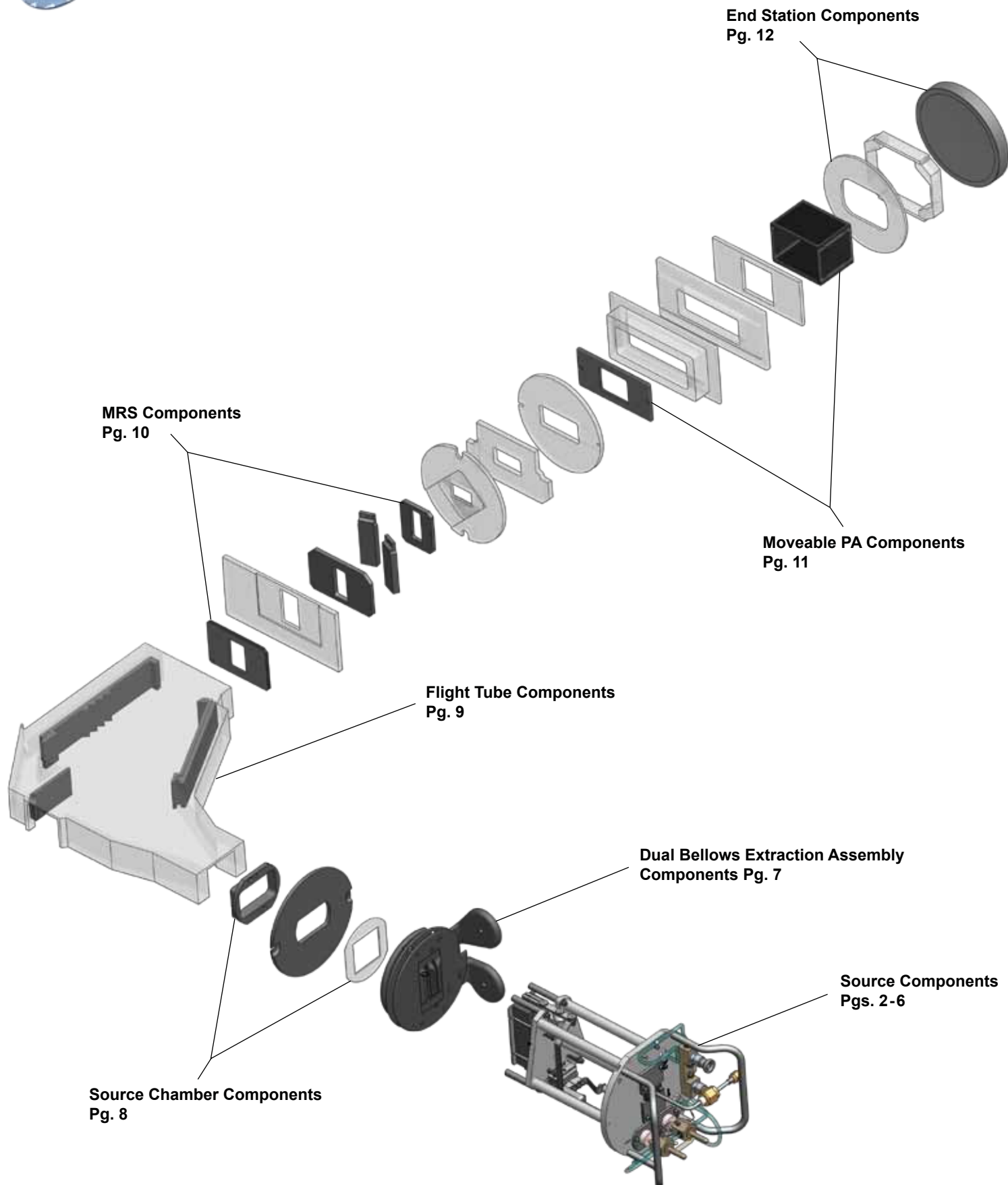
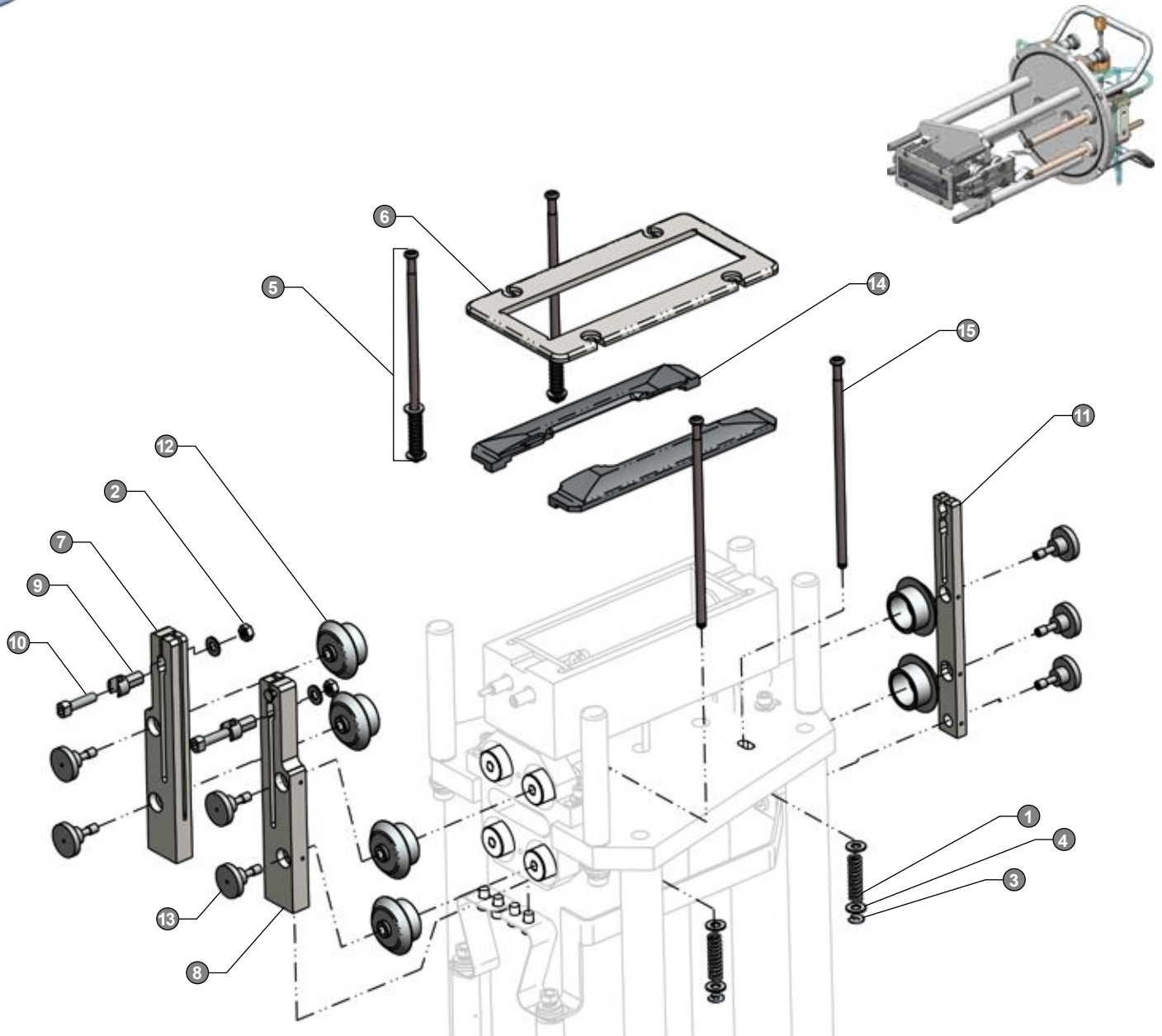




Illustrated Parts Guide for AMAT 9500 Series & xR

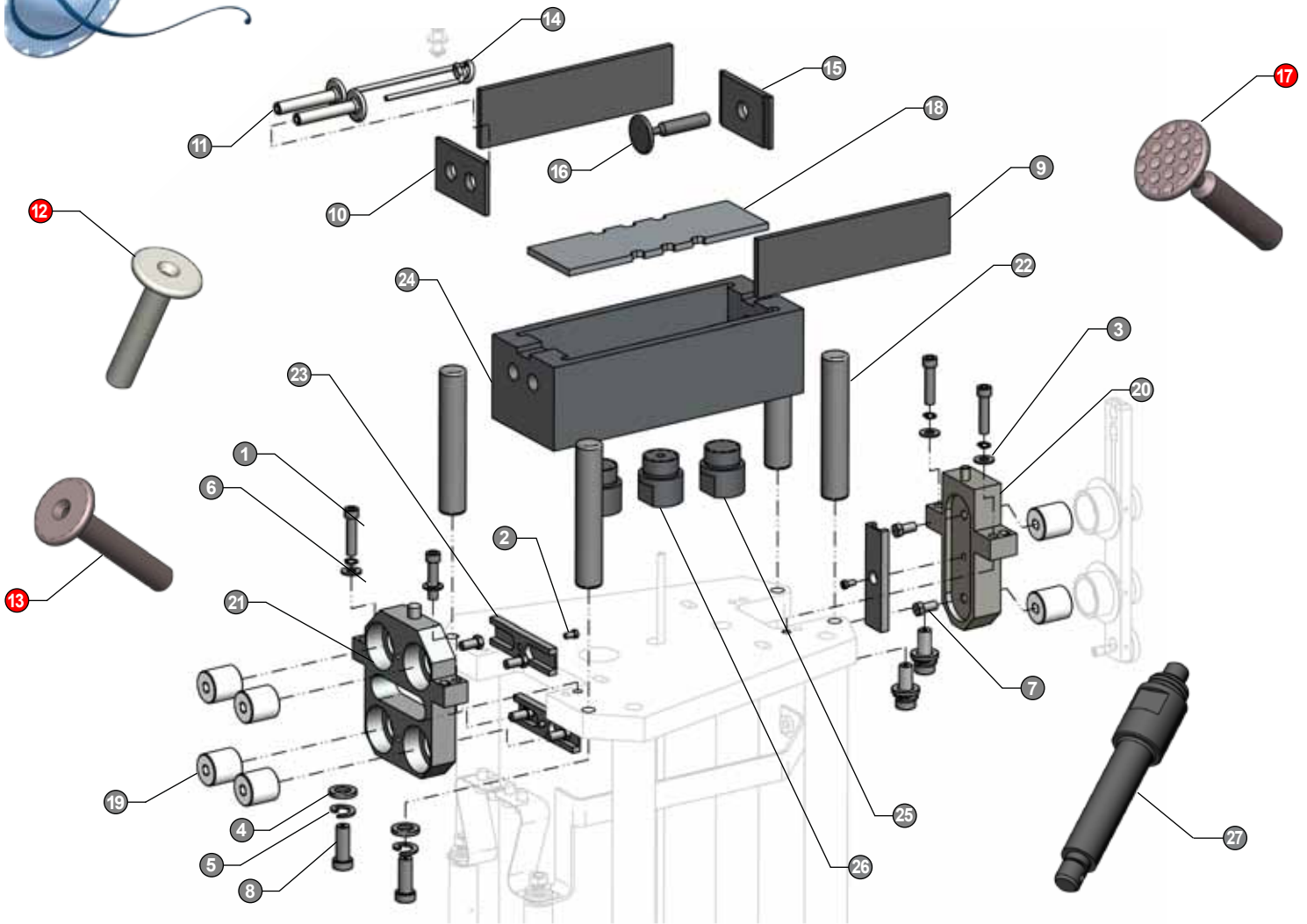


Source Components for AMAT 9500 Implanters



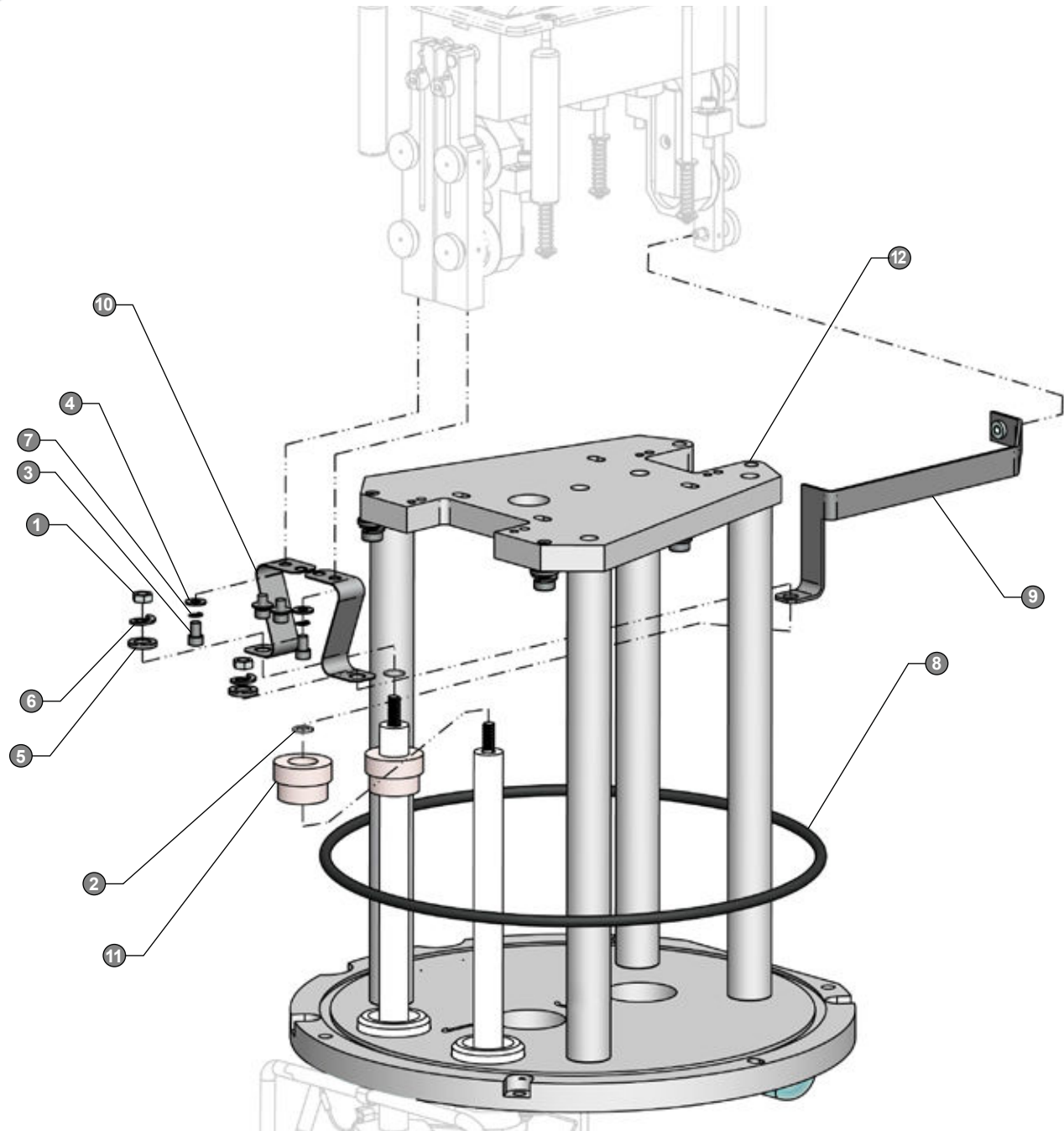
Item	P/N	Description	OEM	QTY
1	82057	Compression Spring .240 OD X .880 SST	3780-90110	4
2	82291	M4 Hex Nut	3500-90021	2
3	82345	Retaining Ring, SST	0690-90188	4
4	82457	M4 Flat Washer, SST	3880-90021	6
5	90051	Retainer Pin Assembly	No OEM Reference	4
6	90052	Retainer, Front Plate, Molybdenum	0020-98908	1
7	90064	Positive Filament Clamp, Molybdenum	0020-81521 / 0020-82131	1
8	90065	Negative Filament Clamp, Molybdenum	0040-94187 / 0040-94526	1
9	90066	Filament Clamp Insert	0020-98580	2
10	90067	Filament Clamp Screw, SST	0020-98581	2
11	90068	Clamp, Anti-Cathode	0020-80070	1
12	90069	Insulator Shield	0020-98904	6
13	90094	Thumb Screw	0020-98911	7
14	90053G	Front Plate Half, Graphite	0020-84219	2
15	90051-1	Retainer Pin	0020-96040	4

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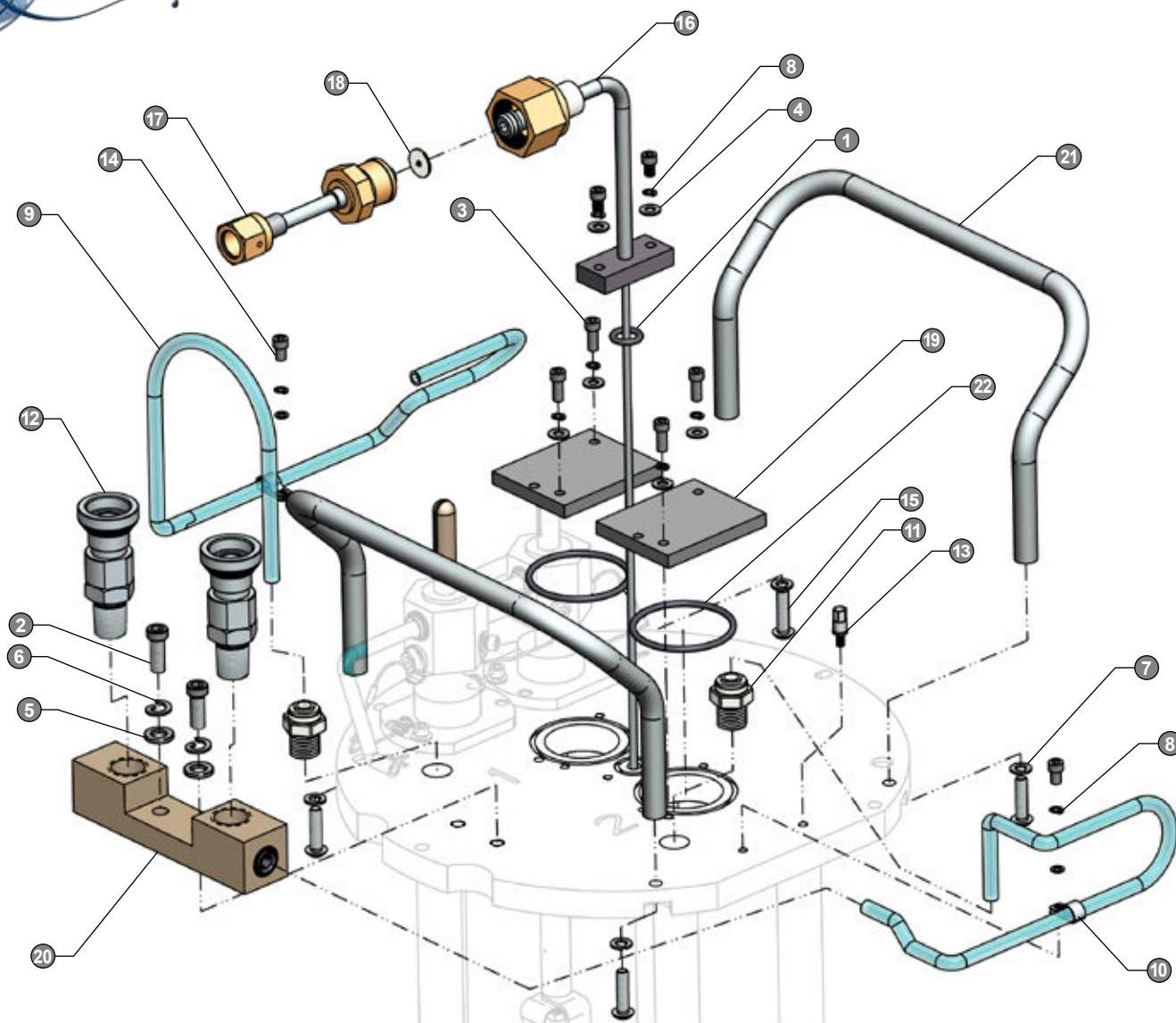
Item	P/N	Description	OEM	QTY
1	82396	SHCS M4 x 20 mm .7 PITCH SST	3690-90360	4
2	82402	SHCS M3 X 6mm, .5 pitch, 18-8 SST	No OEM Reference	2
3	82457	M4 Washer, Flat SST	3880-90021	4
4	82459	M6 Washer, Flat SST	3880-90023	4
5	82460	M6 Spring Washer, SST	3880-90032	4
6	82615	M4 Spring Washer, SST	No OEM Reference	4
7	82710	Vented Hex Head Screw M4 x 6mm 18-8 SST	No OEM Reference	6
8	82712	SHCS M6 1 x 20mm Vented, SST	3690-90837	4
9	90054	Liner, Side Plate, Tungsten	0020-81362	2
10	90055	Filament End Plate Liner, Graphite	0020-81364	1
11	90056	Filament Insert, Molybdenum	0020-98914	2
12	90056A	Filament Insert, Modified, Molybdenum	0020-82053	
13	90056W	Filament Insert, Modified, Tungsten	No OEM Reference	
14	90057	Filament	0020-82135	1
15	90058	Repeller End Liner Plate	0020-81365	1
16	90059	Anti-Cathode Repeller, Tungsten	0020-81482	1
17	90059A	Anti-Cathode Repeller - Anti-Flake, Tungsten	0020-81482	
18	90060	Base Plate Liner, Tungsten	0020-81363	1
19	90070	Insulator	0020-97557	6
20	90071	Mounting Block Assembly, Anti-Cathode End	0020-98900	1
21	90072	Mounting Block Assembly	0020-98899	1
22	90073	Post	0020-98915	4
23	90091	Screw Retainer	0020-98920	3
24	90061-1	Arc Chamber Body, Graphite	0020-81224	1
25	90061-2	Plug, Arc Chamber Port	No OEM Reference	2
26	90061-3	Port, Arc Chamber Oven	0020-81226	1
27	90334	Nozzle, (Anitmony)	0020-82163	

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Item	P/N	Description	OEM	QTY
1	82290	M6 Hex Nut	3500-90014	2
2	82341	Retaining Ring	No OEM Reference	2
3	82398	SHCS, M4- 0.7 x 8mm long	3690-90826	4
4	82457	M4 Flat Washer, SST	3880-90021	4
5	82459	M6 Flat Washer, SST	3880-90023	2
6	82460	M6 Spring Washer, SST	3880-90032	2
7	82615	M4 Spring Washer, SST	No OEM Reference	4
8	83072	O-Ring, -172, Buna N	No OEM Reference	1
9	90062	Anti-Cathode Ground Strap	0020-84898	1
10	90063	Filament Strap, Silver	0020-82741	2
11	90080	Feed-Thru Bushing	0020-94844	2
12	90084	Source Body	0040-94573	1

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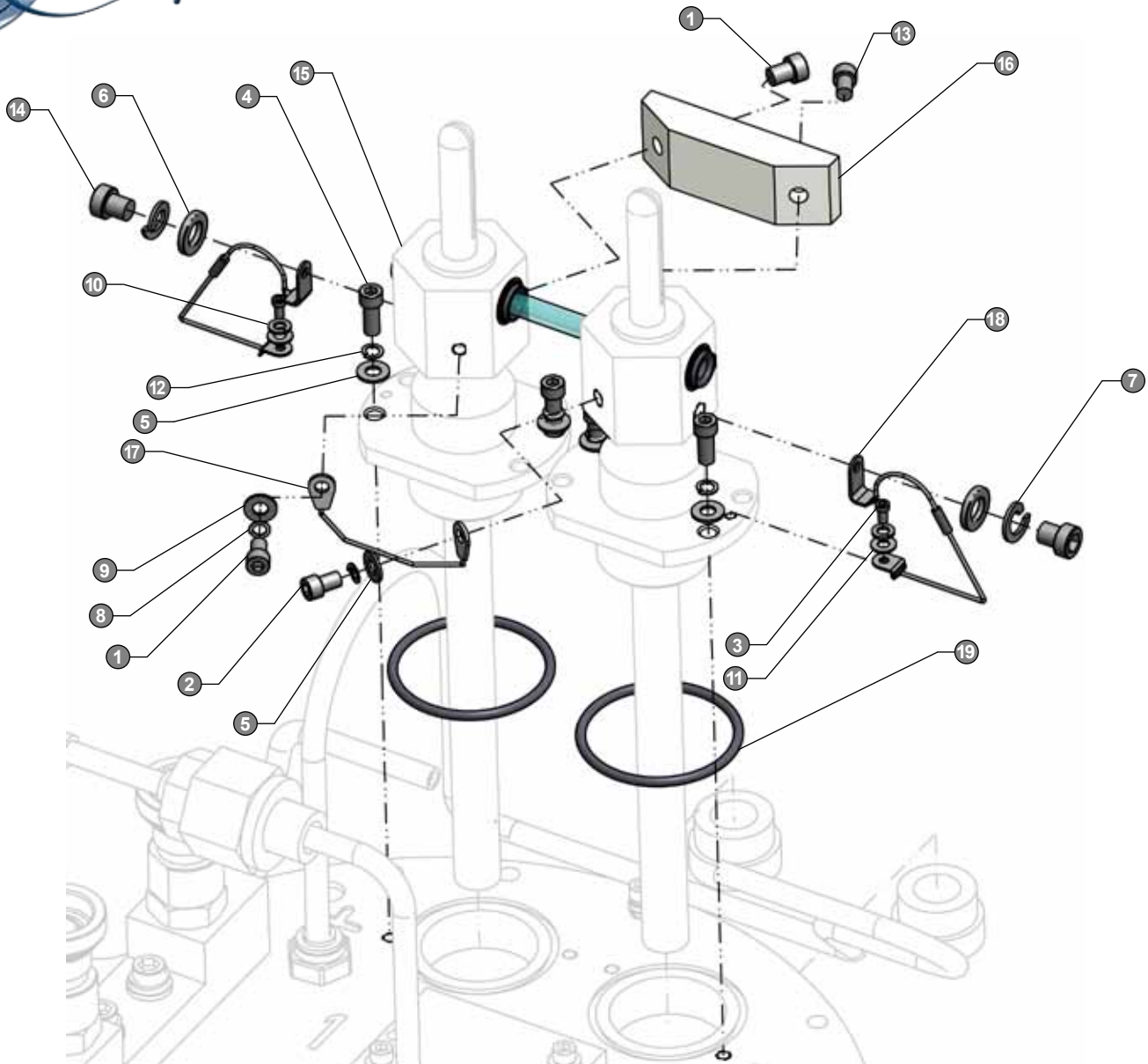


Item	P/N	Description	OEM	QTY
1	82203	O-Ring -136 Buna-N	3500067	2
2	82399	SHCS M6 x 20 mm .1 PITCH SST	3690-90436	2
3	82405	SHCS, M4 X 12 mm, .7 PITCH, 18-8, Cap Screw, SST	3690-90358	4
4	82457	M4 Flat Washer, SST	3880-90021	8
5	82459	M6 Flat Washer, SST	3880-90023	2
6	82460	M6 Spring Washer, SST	3880-90032	2
7	82461	Washer, M5 Spring Lock Washer	3880-90031	4
8	82615	Washer, Lock, M4 Regulr Spring 4.4 mm ID, 7.6 mm OD, 18-8, SST	No OEM Reference	8
9	82755	Tubing, Polyurethane, .25" OD x .16" ID.	No OEM Reference	As Needed
10	82756	Tubing Clamp, +1/4, Nylon	No OEM Reference	2
11	83683	1/4 Push Connect Tube Fitting 1/4 Male NPTF Thread	No OEM Reference	2
12	83700	Quick Connect Body, 3/8-18 NPT No Key	No OEM Reference	2
13	83833	0.16 Banana Jack Adapter, 8-32	No OEM Reference	1
14	84167	SHCS, M4 X 10MM, .7 Pitch, 18-8	3690-90357	2
15	84168	BHSS M5 X 20MM, .8 PITCH, 18-8	No OEM Reference	4
16	90074	Gas Feed Tube Assembly	No OEM Reference	1
17	90075	Gas Feed Tube Adapter Assembly	0040-93337	1
18	90076	Face Seal Washer	0020-96753	1
19	90077	Vaporizer Blank-Off Plate, Aluminum	No OEM Reference	2
20	90078	Manifold Assembly, Brass	0040-93532	1
21	90083	Handle	0020-98907	2
22	83026V	O-Ring, -126, Viton®	3700-90183	2

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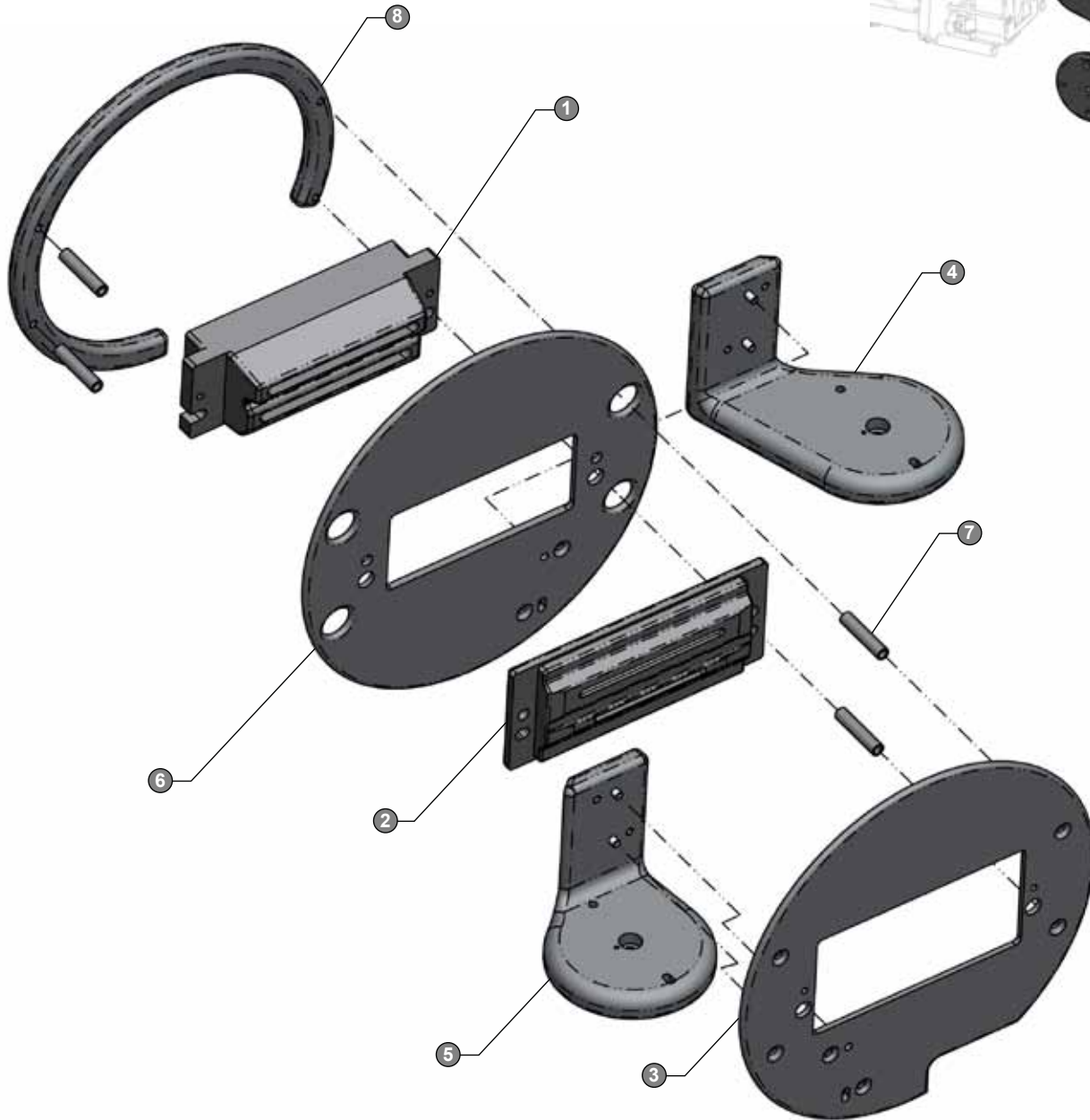
Source Components for AMAT 9500 Implanters



Item	P/N	Description	OEM	QTY
1	82397	SHCS, M5 x 10 mm .7 Pitch SST	No OEM Reference	2
2	82398	SHCS M4 x 8 mm .7 PITCH SST	3690-90826	1
3	82402	SHCS M3 X 6mm, .5 pitch, 18-8, SST	No OEM Reference	1
4	82405	SHCS M4 X 12mm, .7 pitch, 18-8, SST	3690-90358	4
5	82457	M4 Flat Washer, SST	3880-90021	5
6	82459	M6 Flat Washer, SST	3880-90023	2
7	82460	M6 Spring Washer, SST	3880-90032	2
8	82461	M5 Spring Washer, SST	3880-90031	1
9	82462	M5 Flat Washer, SST	3880-900221	1
10	82463	M3 Spring Washer, SST	3880-90029	2
11	82464	M3 Flat Washer, SST	No OEM Reference	2
12	82615	M4 Spring Washer, SST	No OEM Reference	4
13	84167	SHCS M4 X 10mm, .7 pitch, 18-8, SST	3690-90357	1
14	84207	SHCS M6-1 X 10mm, 18-8, SST	3690-90433	2
15	90079	Feed Thru Assembly	0720-91062	2
16	90082	Feed-Thru Stabilizer, Derlin	0020-98631	1
17	90092	No. 2 Diode Assembly	0150-90834	1
18	90093	No. 1 Diode Assembly	0150-90834	2
19	83026V	O-Ring -126 Viton®	3700-90183	2

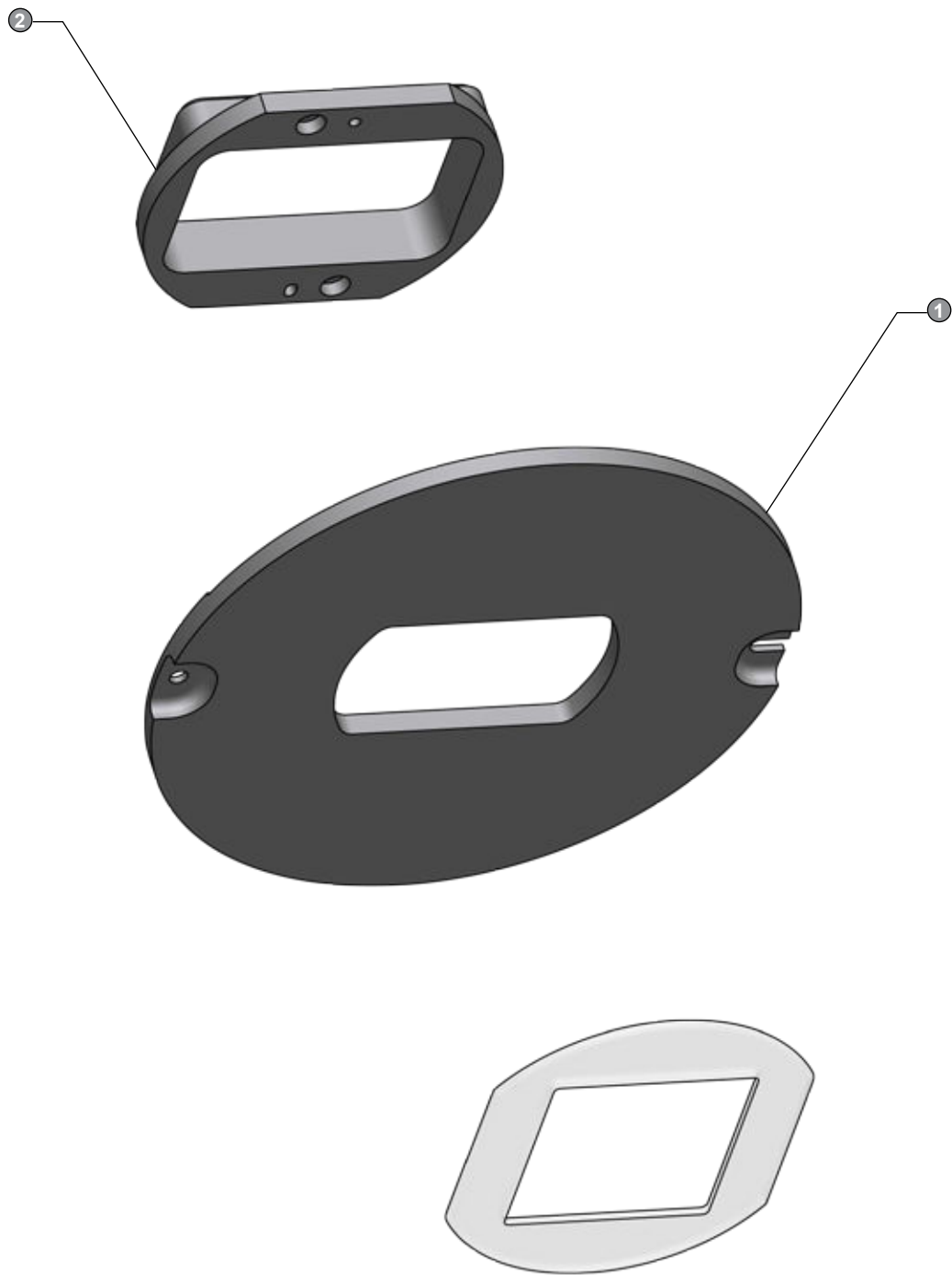
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Dual Bellows Extraction Assembly Components for AMAT 9500 Series



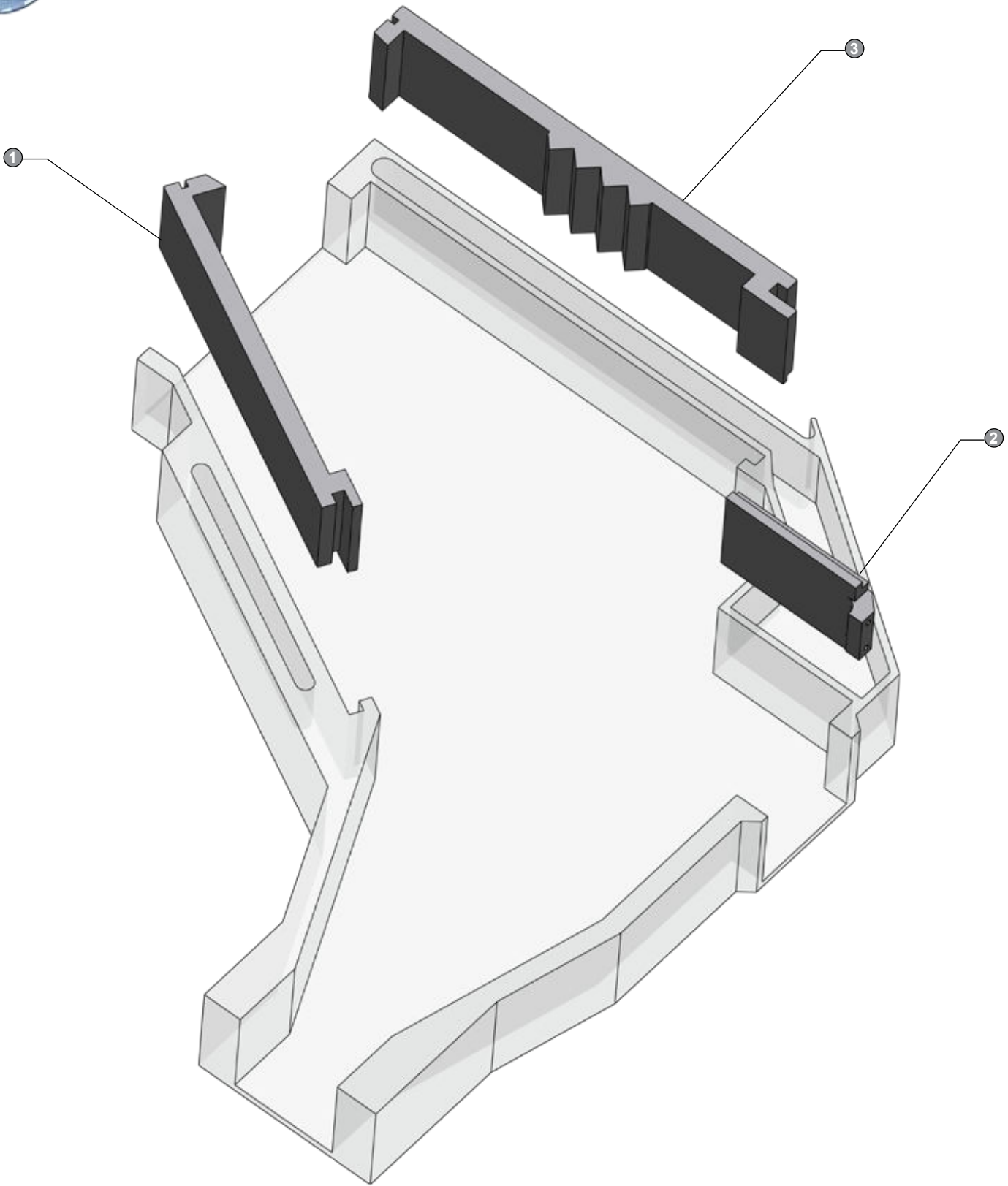
Item	P/N	Description	OEM	QTY
1	90130	Ground Electrode, Graphite	0020-83425	1
2	90131	Electrode Suppression, Graphite	0020-84523	1
3	90150	Mounting Suppression Electrode, Graphite	0020-83974	1
4	90154	Bracket, Ground Electrode Assembly, Graphite	0020-86640	1
5	90161	Suppression Electrode Bracket	0020-86641	1
6	90168	Mounting Ground Electrode, Graphite	0020-84522	1
7	90256	Spacer, Graphite	0020-83227	4
8	90261	Suppression Ring	0020-84055	1

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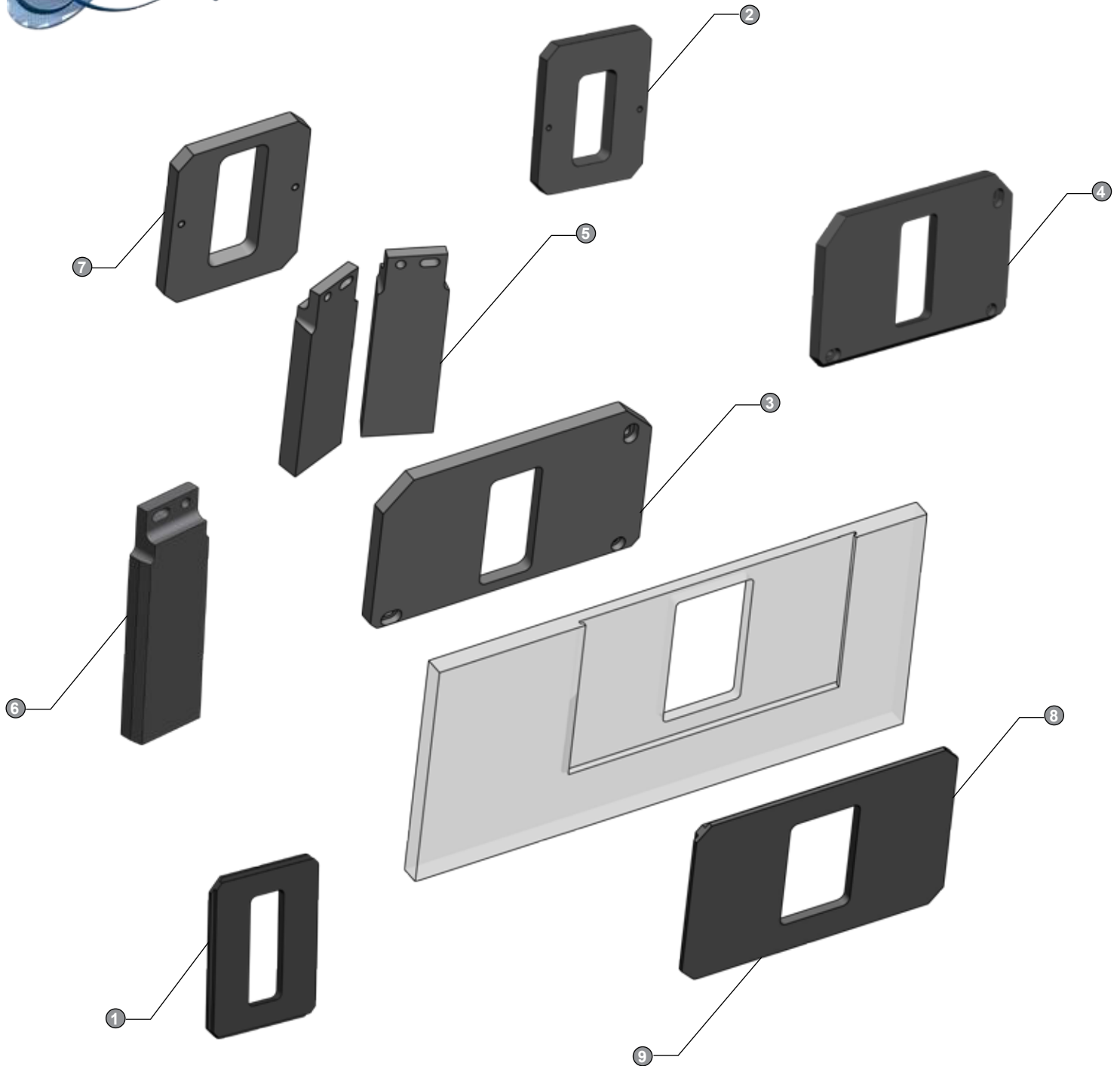
Item	P/N	Description	OEM	QTY
1	90127	Shield, Source Chamber, Graphite	0020-82474	1
2	90255	Liner, Clamp Plate, Graphite	0020-83172	1

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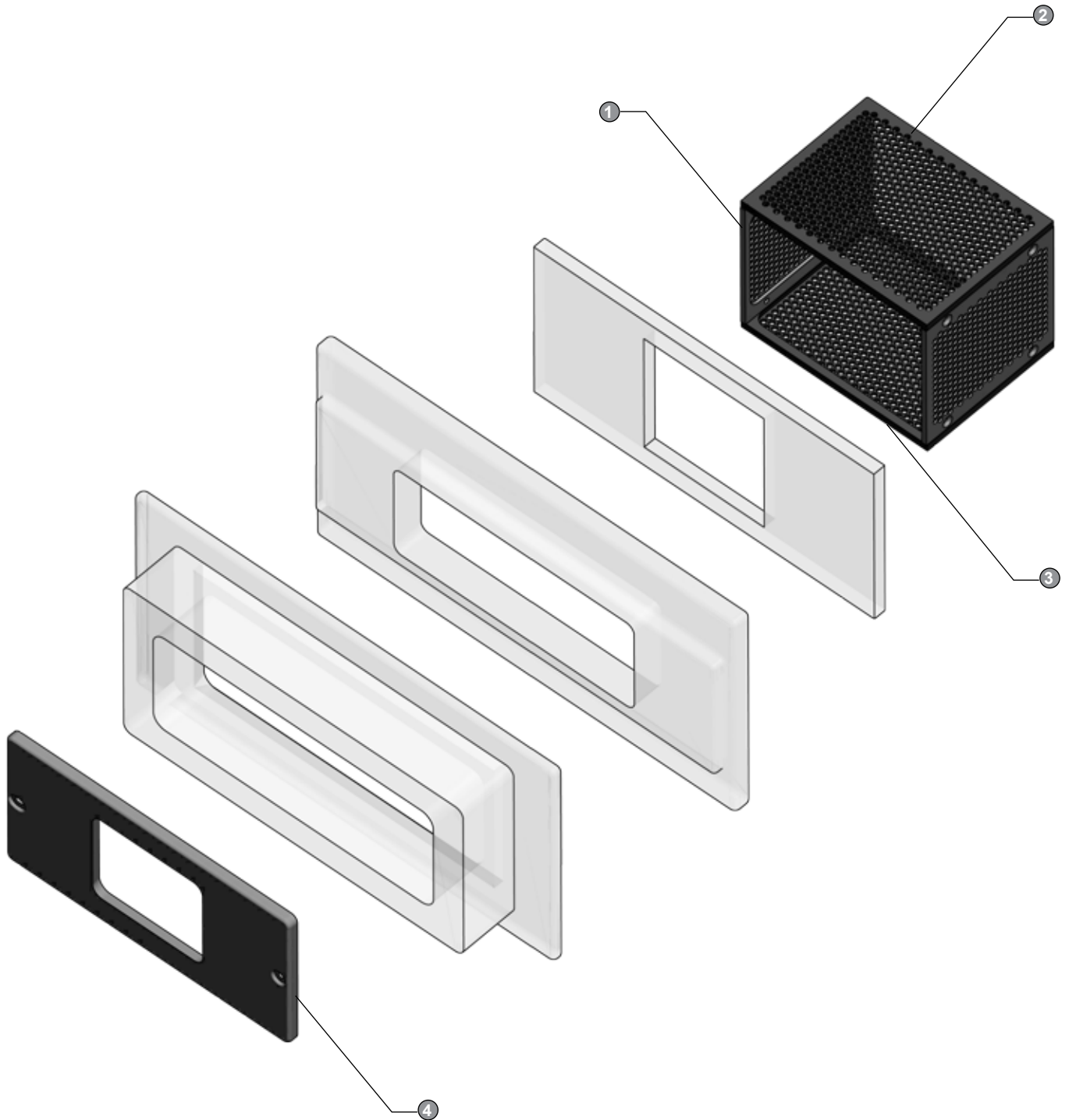
Item	P/N	Description	OEM	QTY
1	90252	Inner Insert, Graphite	0020-98878	1
2	90253	Neutral Insert, Graphite	0020-98879	1
3	90254	Outer Insert, Graphite	0020-98877	1

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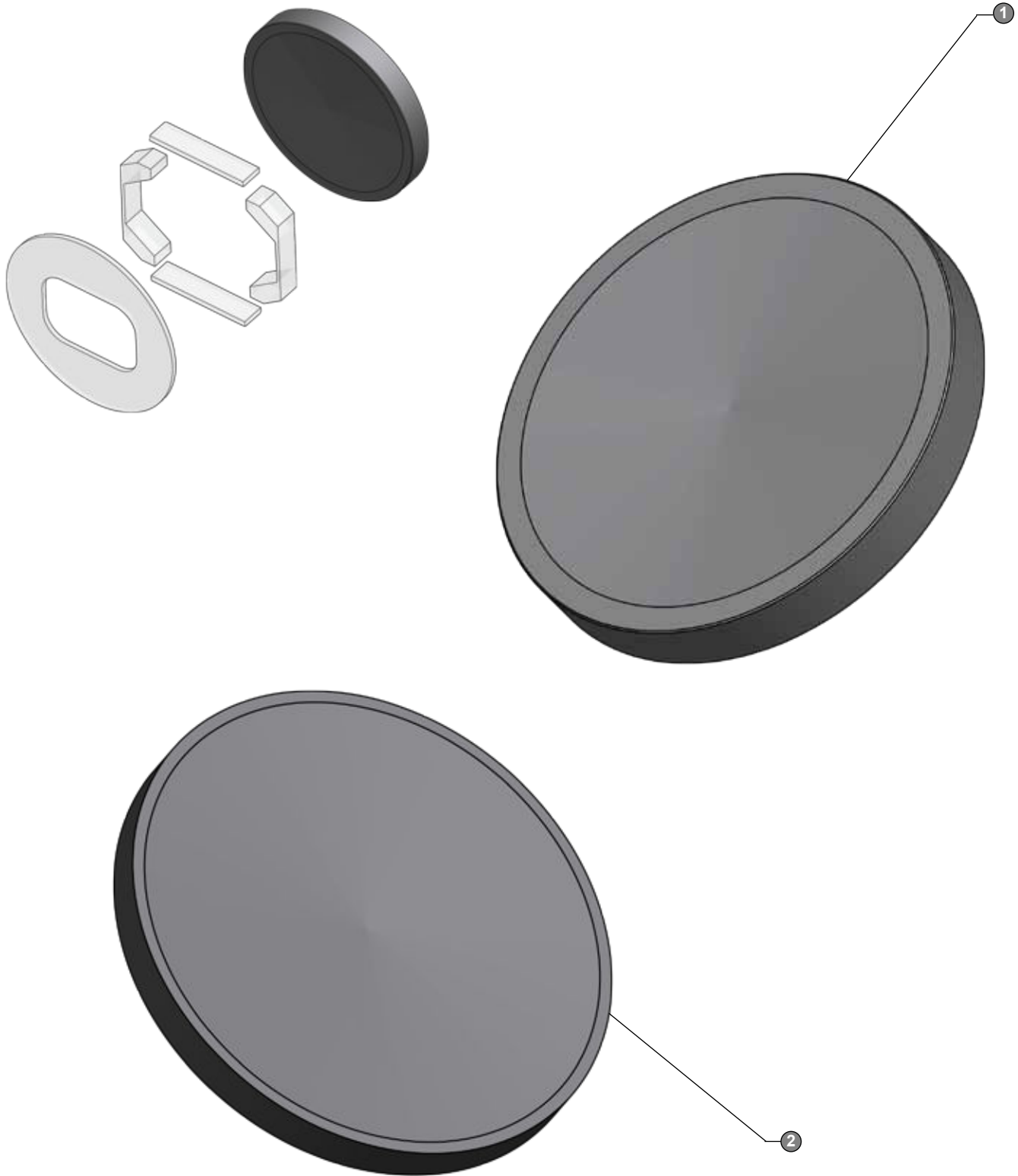
Item	P/N	Description	OEM	QTY
1	90123	Pre-Defining Aperture, 25mm X 68mm, Graphite	0020-80037	
2	90125	Post MRS Slit, 25mm X 55mm Aperture, Graphite	0020-97885	
3	90251	Pre-MRS Slit, Graphite	0020-84988	1
4	90251A	Pre-MRS Slit, Graphite	0020-83924	1
5	90257A	MRS Vane, Graphite	97827, 65522, 0020-99710, 0020-82810, 0020-81268	2
6	90257C	MRS Vane, Extended Life, Graphite	97827, 65522, 0020-99710, 0020-82810, 0020-81268	
7	90260	Post MRS Slit, 25mm X 68mm Aperture, Graphite	65548, 0020-83925	1
8	90335	Pre-Defining Aperture, 40mm X 64mm, Graphite	0020-83923	1
9	90335V	Pre-Defining Aperture, 40mm X 64mm, Graphite, VIG	0020-83923	

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Item	P/N	Description	OEM	QTY
1	90259	Side Screen, Entry Tube, Graphite	0020-80688	1
2	90333	Shield, Guide Tube Side, Graphite	0020-83581	1
3	90333V	Shield, Guide Tube Side, Graphite, VIG	0020-83581	1
4	90336	Electrode, EH3, Graphite	0020-83928	1

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Item	P/N	Description	OEM	QTY
1	90128	Beam Stop, Graphite	0020-82832	1
2	90128A	Beam Stop, Leap II, Graphite	0020-99635	1

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