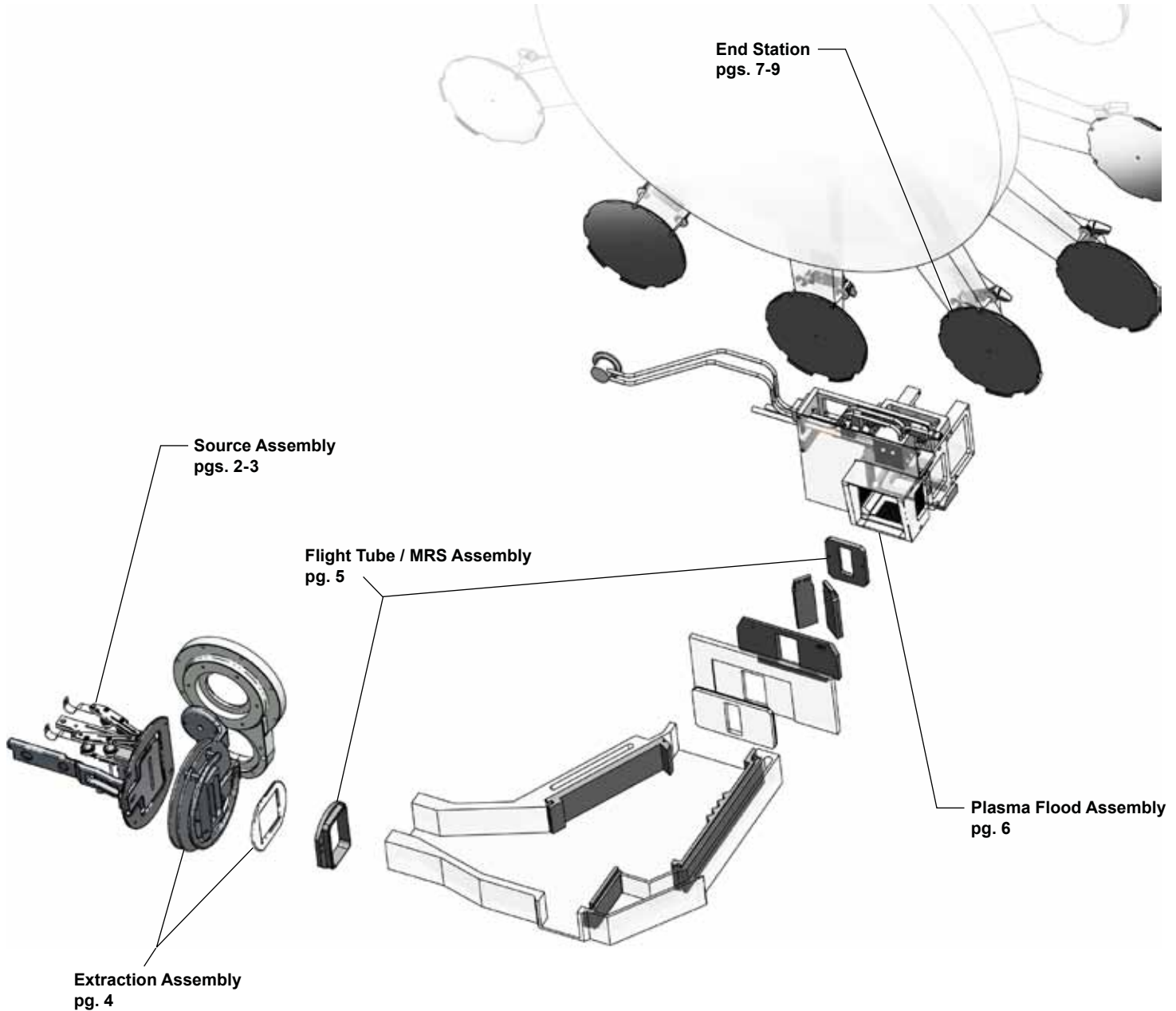
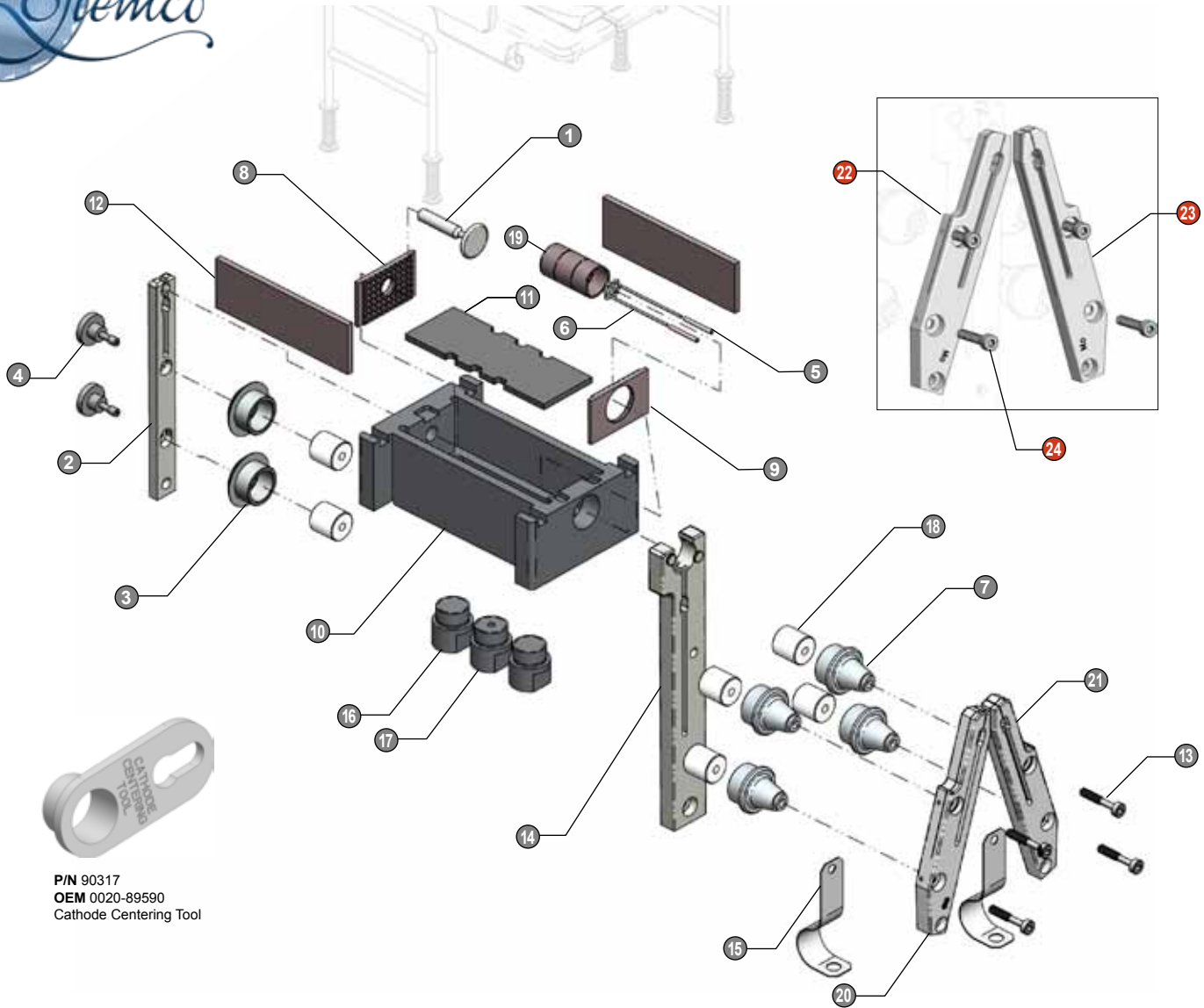






Item	P/N	Description	OEM	QTY
1	82057	Compression Spring .240OD X .880 SS	3780-90110	4
2	82345	Retaining Ring, SST	0690-90188	4
3	82457	M4 Flat Washer, SST	3880-90021	4
4	90152B	Electrode, G2, Adjustable	0020-04716, 0020-07388	1
5	90162	Front Plate, R/H, R650, Leap 2, Q1	0021-90787	1
6	90163	Front Plate, L/H, R650, Leap 2, Q1	0021-90786	1
7	90164	Retainer, Hook, Graphite	0021-90036	2
8	90177	Front Plate, One Piece, 650Mm, Graphite	0021-90786	
9	90191	Support Wire	0020-89991	2
10	90269	Shield, Cooled Tube, Graphite	0020-04775	1
11	90292A	Support Arm, G2, Graphite	0020-06241	1
12	90309	Nut, G2,	0020-06274	1
13	90311	Screw, G2	0020-06273	1

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P/N 90317
OEM 0020-89590
Cathode Centering Tool

Item	P/N	Description	OEM	QTY
1	90059	Anti-Cathode, Tungsten	0020-81482	1
2	90068	Anti-Cathode Clamp	0020-80070	1
3	90069	Insulator Shield	0020-98904	2
4	90094	Thumb Screw	0020-98911	2
5	90155	Filament Guide Filament Guide	0020-87508	2
6	90156	Filament	0020-86735	1
7	90157	Standoff, Insulator Cover, SST	0020-86933	4
8	90159	Anti-Cathode End Liner, Tungsten	0021-90404	1
9	90160	Cathode End Liner, Tungsten	0021-90405	1
10	90166	Arc Chamber, Graphite, Q1	0020-89990	1
11	90170	Liner, Base, Tungsten	0020-86737	1
12	90171	Liner, Side, Tungsten	0020-86738	2
13	90180	Screw, Captive, M4 Filament Clamp Screw	0020-85806	4
14	90265	Cathode Support Bar Assembly	0040-96352	1
15	90266	Filament Strap	0020-86731	2
16	90061-2	Plug, Arc Chamber Port, Graphite	No OEM Reference	2
17	90061-3	Port, Arc Chamber Oven	0020-81226	1
18	90070	Insulator	0020-97557	6
19	90158A	Cathode, Slotted	0020-47909	1
20	90263B	Filament Clamp, Left Hand	0020-43058	1
21	90264B	Filament Clamp, Right Hand	0020-43057	1
22	90263BNT	Filament Clamp, Left Hand	0020-43058	1
23	90264BNT	Filament Clamp, Right Hand	0020-43057	1
24	8B049	SHCS, M4X0.7X22mm Long 18-8 SST	No OEM Reference	4

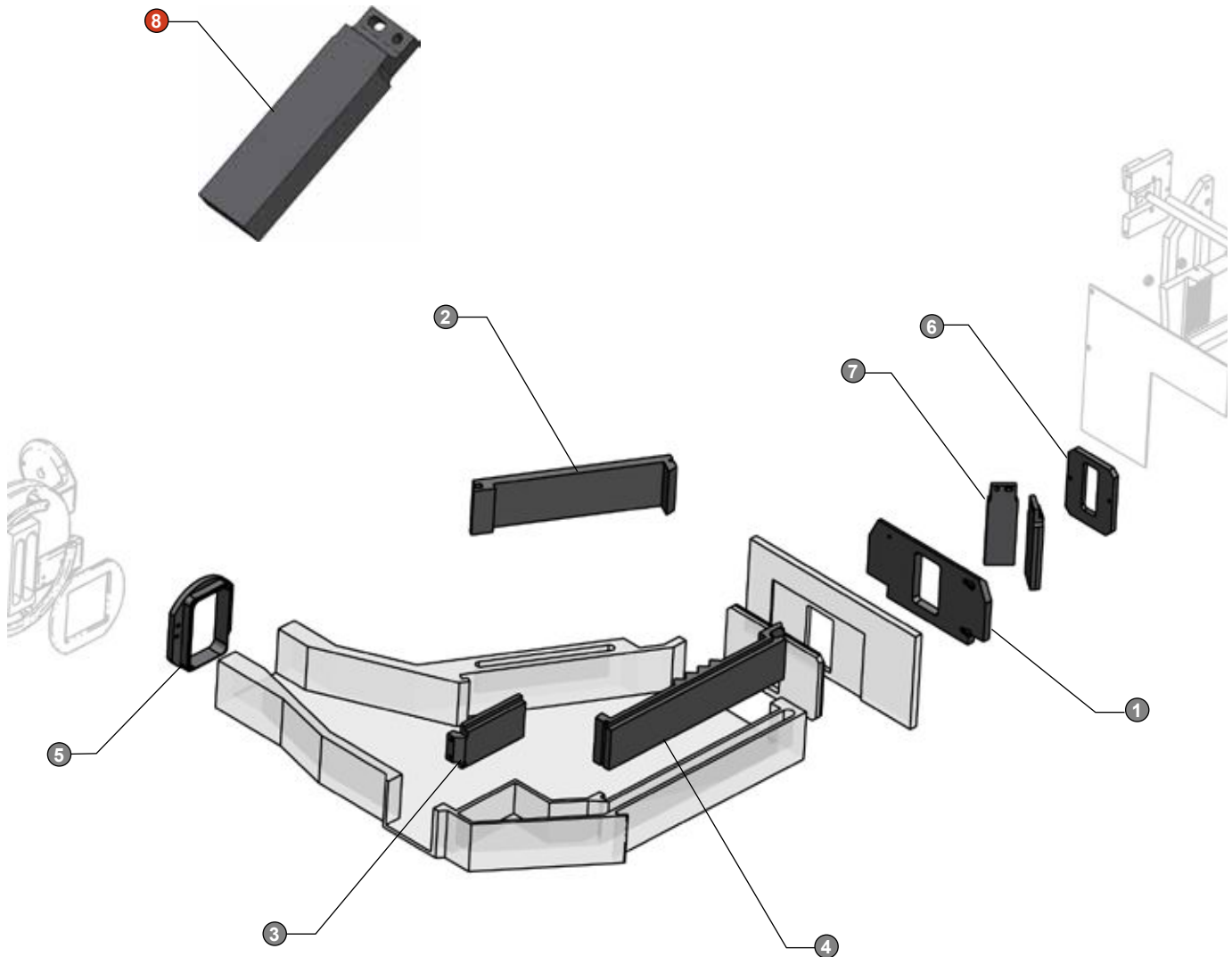
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Extraction Assembly



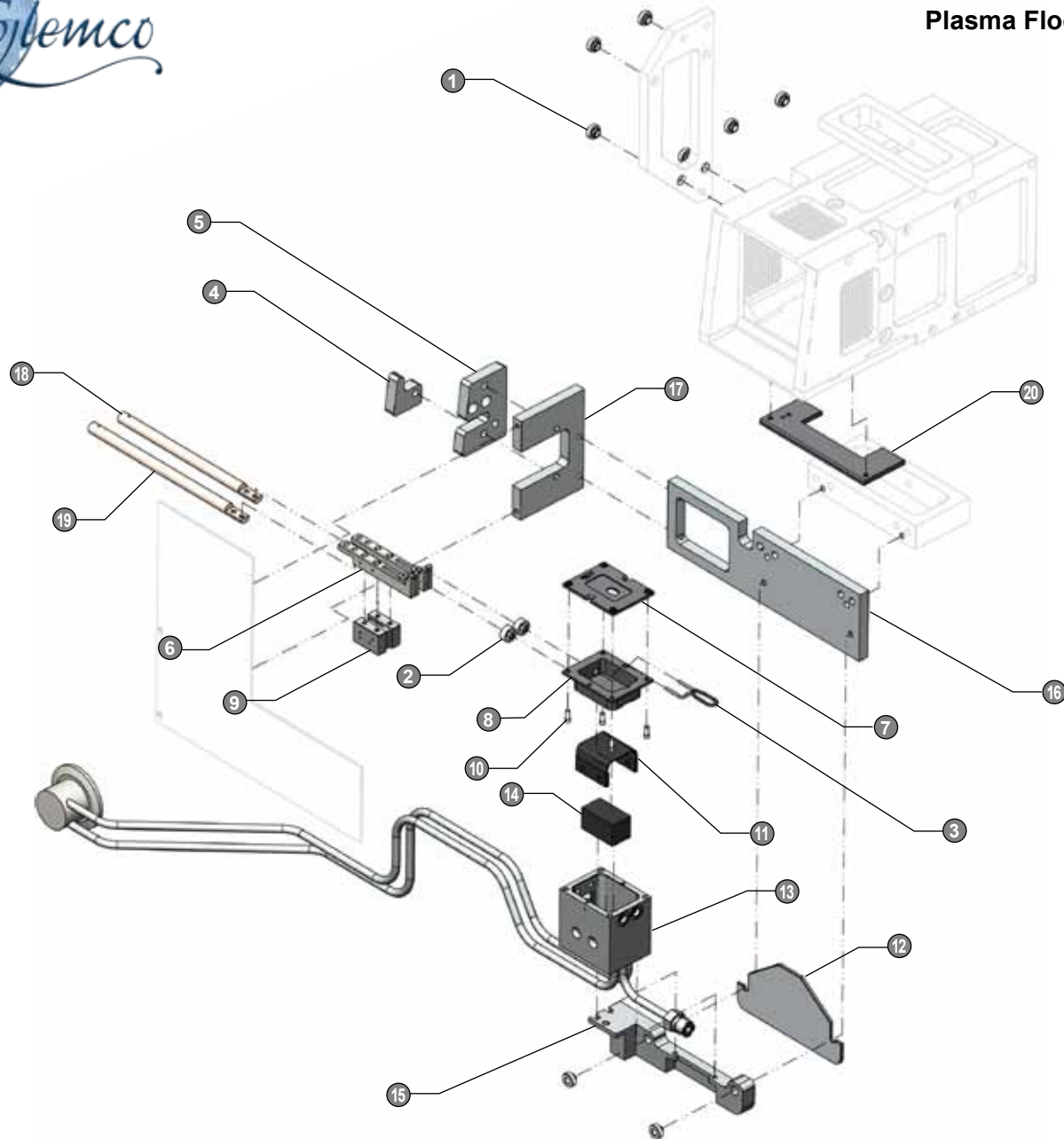
Item	P/N	Description	OEM	QTY
1	90150	Mounting Suppression Electrode, Graphite	0020-83974	1
2	90150A	Mounting Plate, Suppression Electrode, Modified, Graphite	0020-83974	
3	90151	Electrode, Suppression	0020-86280	
4	90151A	Electrode, Suppression	0020-04207	1
5	90151B	Electrode, Suppression, Reversible	0020-86280	
6	90153	Ground Electrode, Graphite	0020-85090	1
7	90154	Ground Electrode Bracket Assembly, Graphite	0020-86640	1
8	90154A	Ground Electrode Bracket, Modified, Graphite	0020-86640	
9	90161	Suppression Electrode Bracket, Graphite	0020-86641	1
10	90161B	Suppression Electrode Bracket, Modified, Graphite	0020-86641	
11	90168	Mounting Ground Electrode, Graphite	0020-84522	1
12	90168B	Mounting Plate, Ground, Modified, Graphite	0020-84522	
13	90184	Insulator, Toplows, Virgin Peek	0020-27937	1
14	90256	Spacer, Graphite	0020-83227	4
15	90261	Suppression Ring, Graphite	0020-84055	1

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Item	P/N	Description	OEM	QTY
1	90172	Pre MRS Slit	0020-85069	1
2	90252	Inner Insert	0020-98878	1
3	90253	Neutral Insert	0020-98879	1
4	90254	Flight Tube Insert, Outer	0020-98877	1
5	90255	Liner Clamp Plate	0020-83172	1
6	90260	Post MRS Slit - 25mm X 68mm Aperture	0020-83925 Rev. A	1
7	90257C	Vane, MRS, Graphite	0020-82810	2
8	90257A	Vane, MRS, Graphite	0020-82810	2

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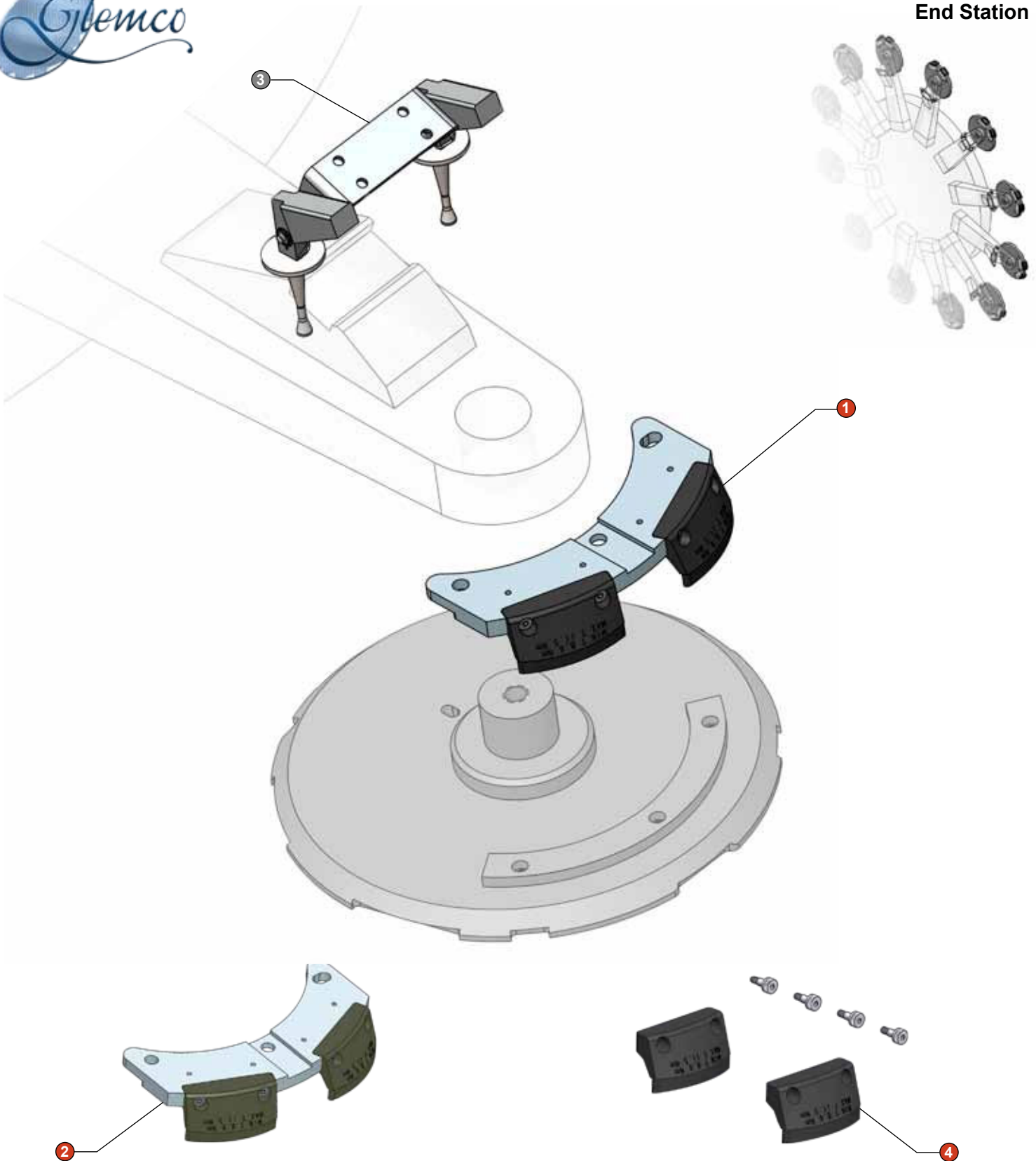


Item	P/N	Description	OEM	QTY
1	90173	SMT Insulator	0021-90020	8
2	90174	Guide Tube Support	0020-8917	2
3	90825	Filament, HDPFG Flood	0021-90017	1
4	90871	Insulator Flange	64495	1
5	90872	Insulator Flange	62714	1
6	90874	Filament Clamp Assembly	0021-90016	1
7	90875	Aperture Plate	0021-90441	1
8	90876	PFS CUP	0021-90307	1
9	90877	Insulator, Filament Clamp	68343	1
10	90879	Guide Tube Support	0020-41858	4
11	90880	Heat Shield	0020-89169	1
12	90882	Support Plate	71684	1
13	90883	Source Chamber	69656	1
14	90884	Magnet, Source	1030-90022	1
15	90885	Support Plate	0021-90305	1
16	90886	Source Chamber Mounting Plate	69630	1
17	90887	Mounting Plate Insulator	0021-90364	1
18	90873-1	Feed Rod, Short	0021-90018	1
19	90873-2	Feed Rod, Long	0021-90018	1
20	90290-1	Shield, PFS Filament	0021-90298	1

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End Station

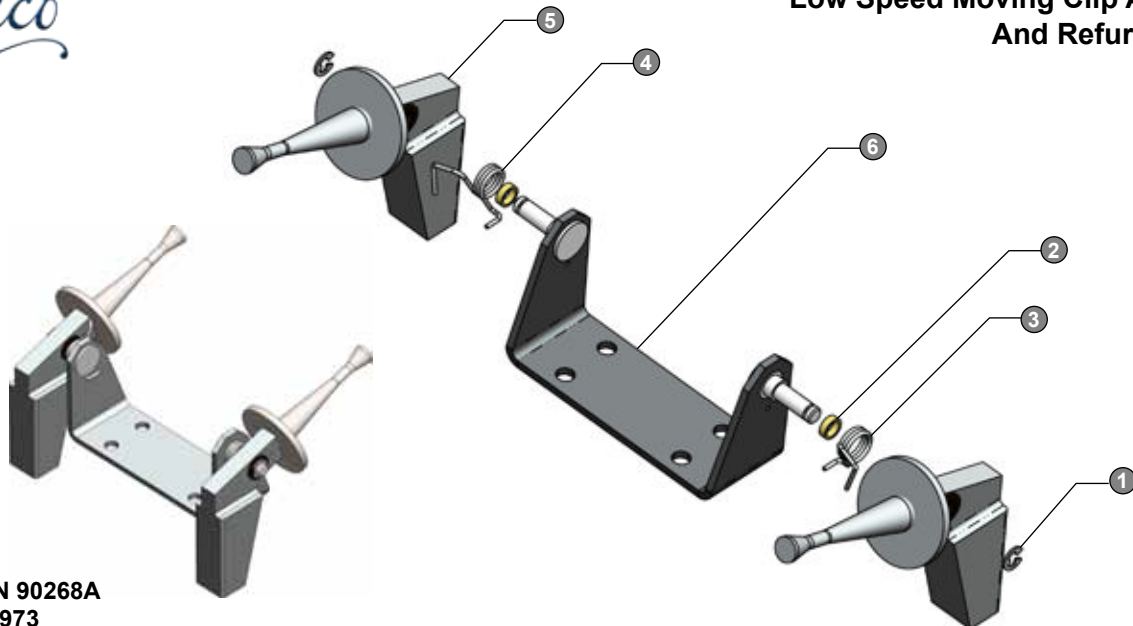


Item	P/N	Description	OEM
1	90181BA	Three Piece Fixed Restraint, 200mm, Semi-Grade ESD Torlon®	0040-45804
2	90181BC	Three Piece Fixed Restraint, 200mm, Industrial-Grade Torlon®	0040-45804
3	90268A	Low Speed Moving Clip Assembly For 8" End Station	9010-01973
4	K90181BA	Restraint Kit, 200mm, ESD, Includes: 2 each P/N 90181BA-2 and 4 each P/N 82270	0040-45804

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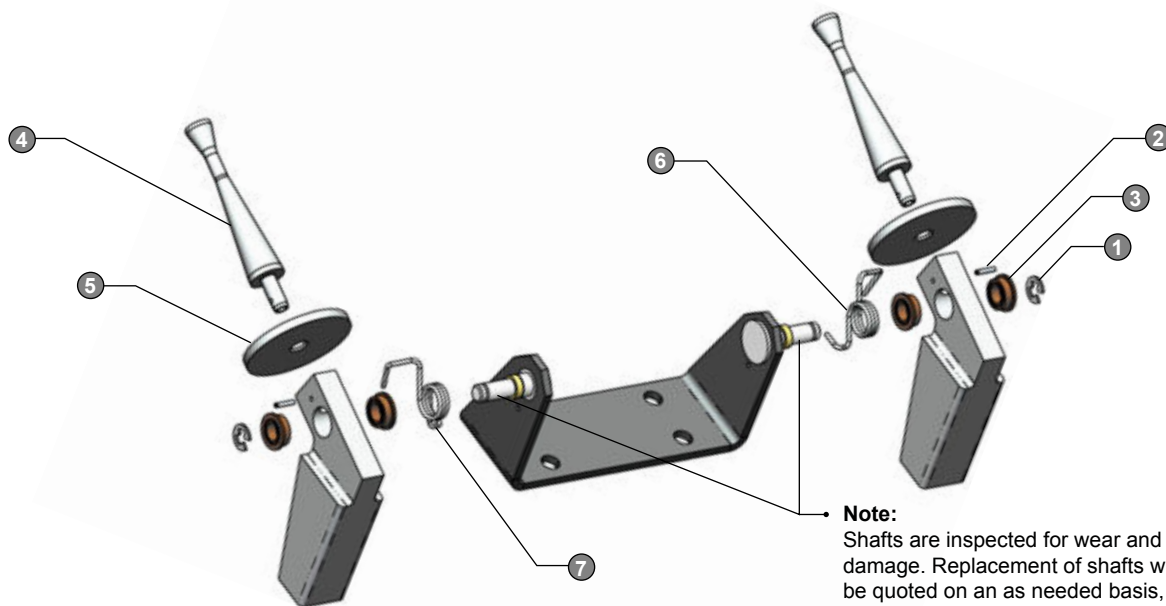


Low Speed Moving Clip Assembly And Refurbishment



Assembly P/N 90268A OEM 9010-01973

Item	P/N	Description	OEM	QTY
1	8A303	Retaining Ring, Ø.094 Shaft External, SST	No OEM Reference	2
2	90268A-6	Spacer	No OEM Reference	2
3	90268A-S1	Clip Arm Assembly	No OEM Reference	2
4	90268A-S2	Base Assembly	No OEM Reference	1
5	90268-7	Torsion Spring A	No OEM Reference	1
6	90268-8	Torsion Spring B	No OEM Reference	1



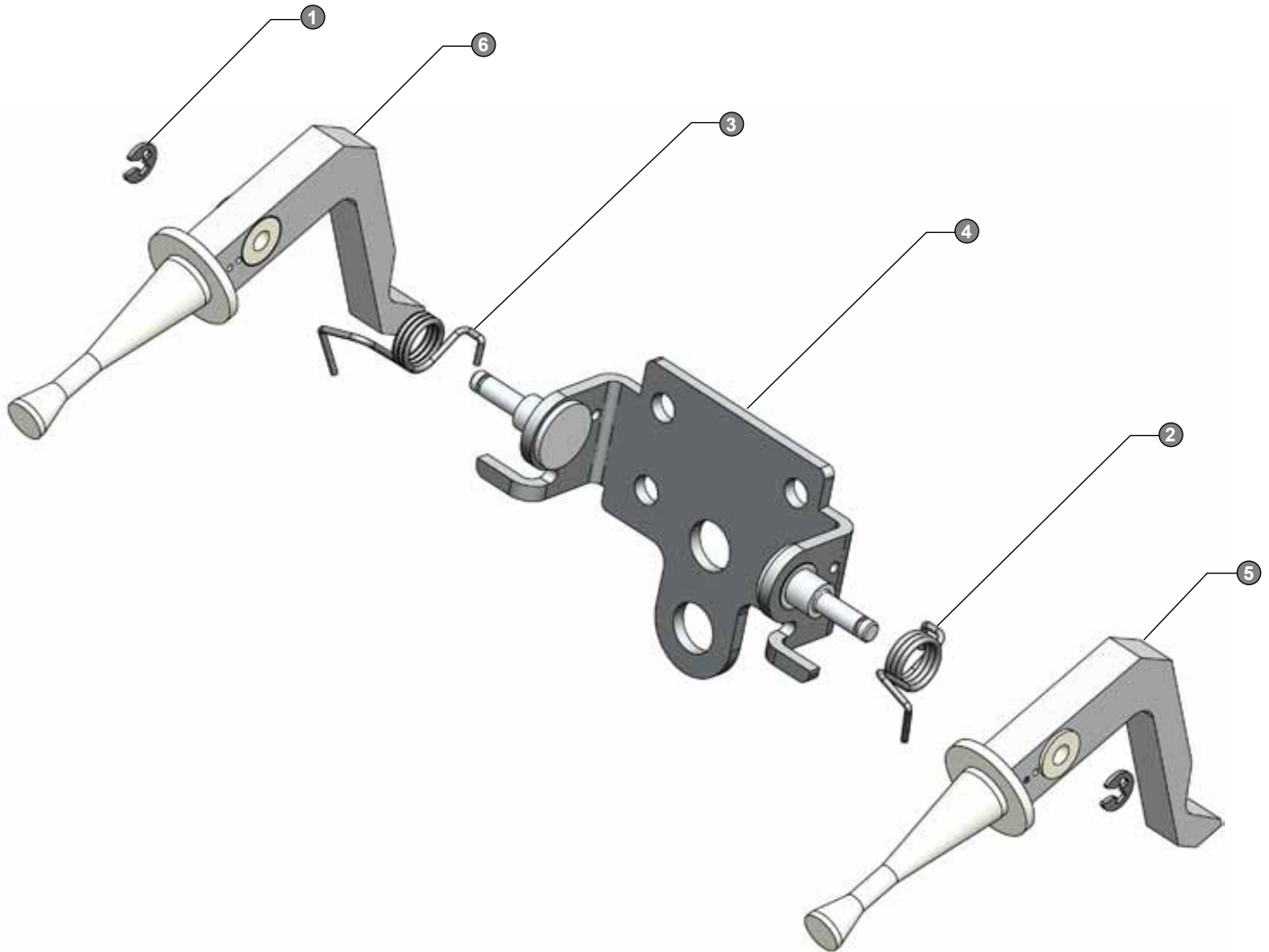
Refurbishment P/N 90268AR

Base refurbishments service includes replacement of the following:				
Item	P/N	Description	OEM	QTY
1	8A303	Retaining Ring, Ø.094 Shaft External, SST	No OEM Reference	2
2	8A304	Coiled Spring Pin, SST 1mm X 5mm	No OEM Reference	2
3	8B009	Bearing, Flanged	No OEM Reference	4
4	90268-1	Clip Post	No OEM Reference	2
5	90268-2	Post Base	No OEM Reference	2
6	90268A-7	Torsion Spring A	No OEM Reference	1
7	90268A-8	Torsion Spring B	No OEM Reference	1

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150mm Moving Clip Assembly P/N 90268BP / OEM 0010-90605



Item	P/N	Description	OEM	QTY
1	8B126	E-Clip	No OEM Reference	2
2	90268A-7	Torsion Spring A	No OEM Reference	1
3	90268A-8	Torsion Spring B	No OEM Reference	1
4	90268B-S2	Base Assembly	No OEM Reference	1
5	90268BP-S1	Clip Arm Assembly	No OEM Reference	1
6	90268BP-S3	Clip Arm Assembly	No OEM Reference	1

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