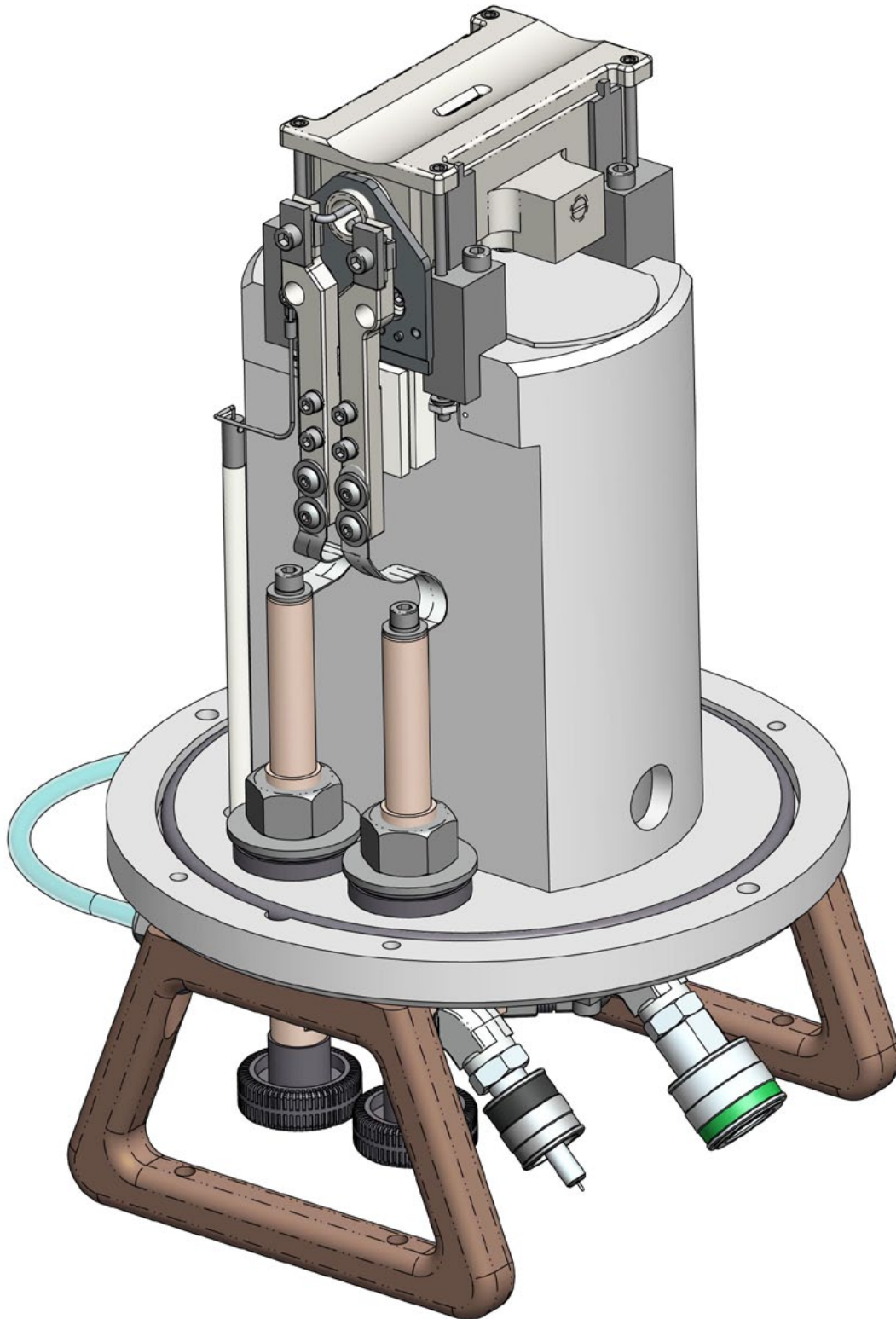
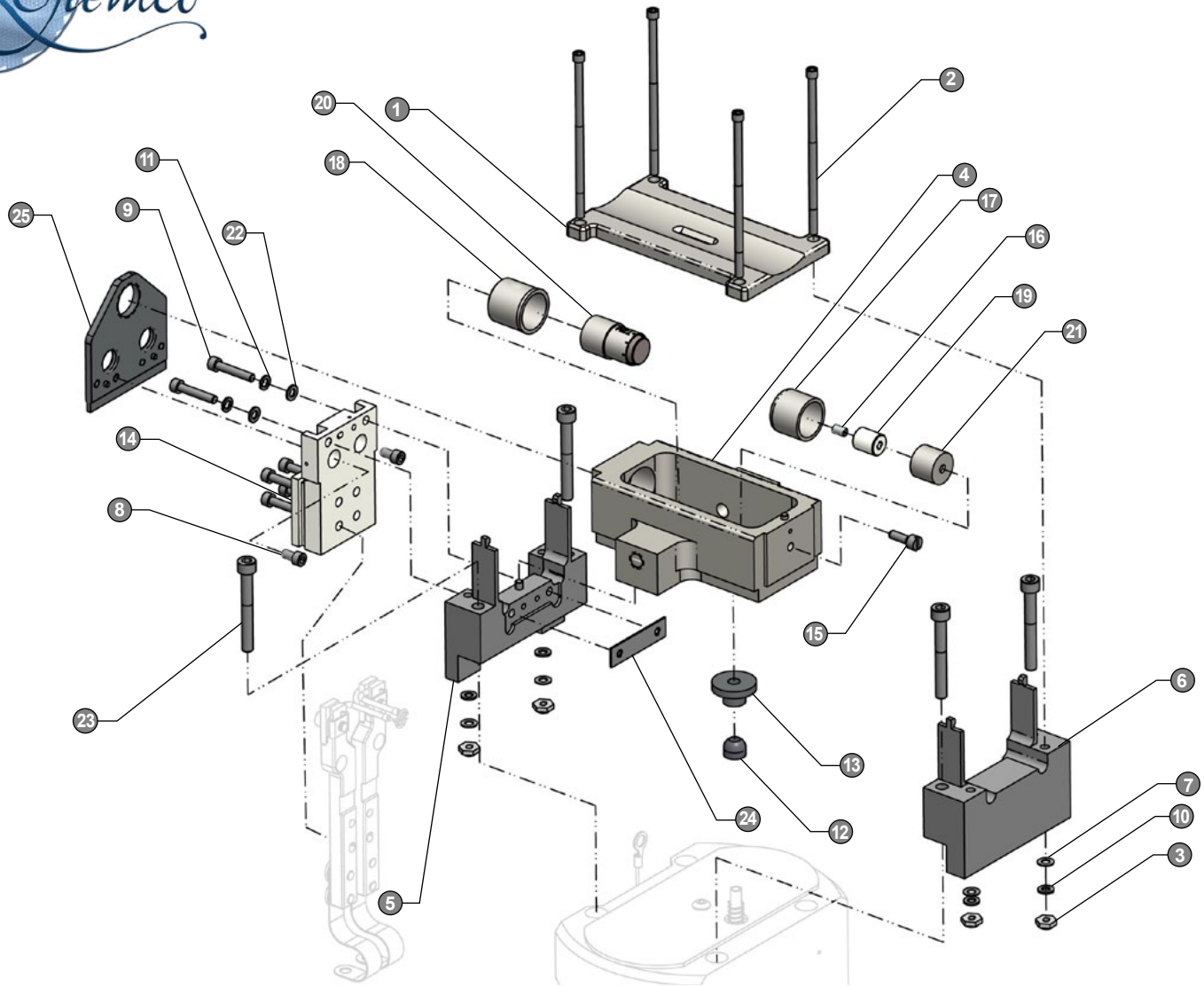




A Resource for Semiconductor Manufacturers

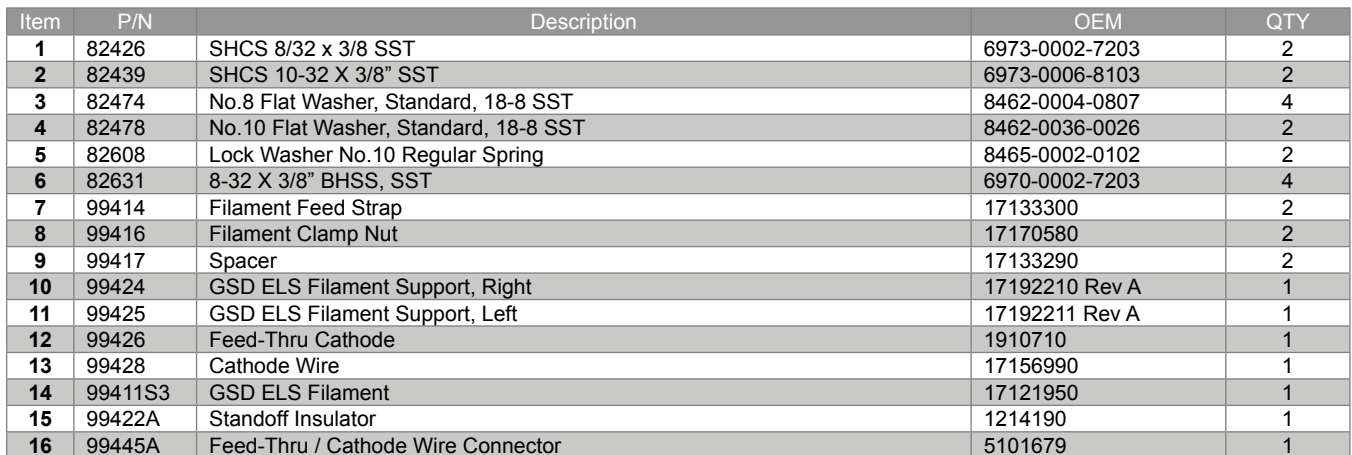
**Illustrated Parts Guide for
Source for 8250 ELS Implanters - No Vaporizers
P/N 42000 – OEM 7184-0024-0001**



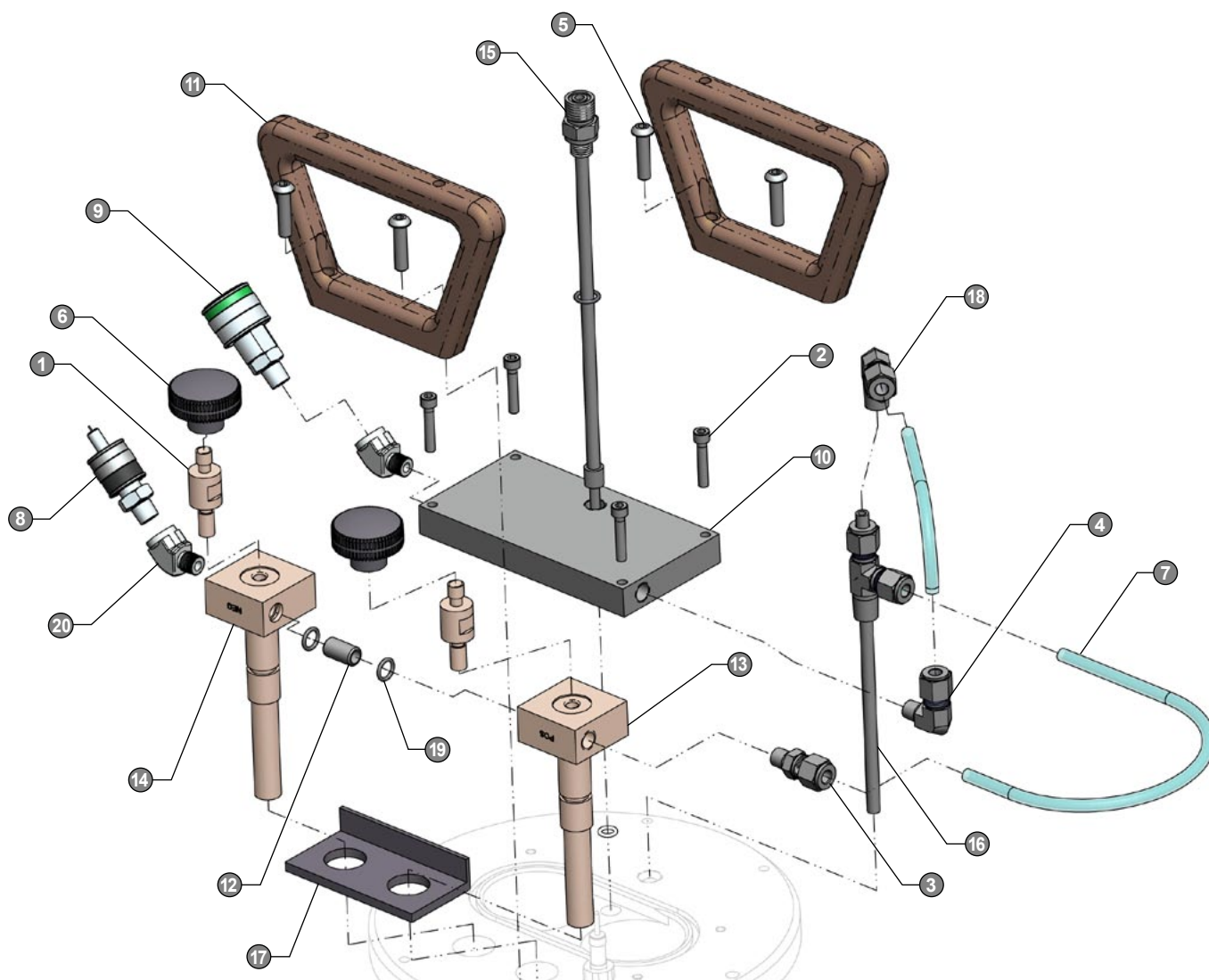


Item	P/N	Description	OEM	QTY
1	40549	8250 ELS Face Place, Molybdenum	7142-0019-0002 REV 1	1
2	40556	Retainer Screw, Inconel	6950-0017-0002	4
3	40559	Retainer Nut, Silver Plated	5053-0031-0001	4
4	42001	8250 ELS Arc Chamber	0897-0041-0001	1
5	42002	Arc Chamber Mounting Block, Filament End	4710-0070-0001	1
6	42003	Arc Chamber Mounting Block, Repeller End	4710-0069-0001	1
7	82055	Disc Spring .138ID X .281OD, SST	8467-0005-0001	4
8	82412	6-32 X 1/4", SHCS, SST 18-8	6973-0002-6202	2
9	82421	6-32 x 3/4 SHCS 18-8 SST	E47000020	2
10	82469	No. 6 Washer, 18-8 SST,	8462-0043-0001	4
11	82606	No. 6 Regular Spring Washer 18-8, SST	8465-0002-0062	2
12	99176	Ball Joint, Graphite	17021591	1
13	99177	SKT Joint	7146-0035-0001	1
14	99401	Insulator Block, W/ Screws	17133270	1
15	99403	Repeller Screw	17121770	1
16	99405	Repeller Set Screw	17121760	1
17	99406	Repeller, Moly	17121740	1
18	99409	Cathode Repeller, Molybdenum	17121930	1
19	99412	Repeller Insulator	17121850	1
20	99413	GSD ELS Cathode, Arc Wire, TZM w/ 4.6mm Tungsten Button	17142890	1
21	99415	Inner Cup Shield, Molybdenum	17121750	1
22	8A075	Flat Washer, Stainless, No.6 .143 ID/.267 OD/.032	No OEM Reference	2
23	8A076	VSHCS .190 X 1.500 10-32 X 1.5	17189140	1
24	99404A	Screw Retainer, No Slots	17189140	1
25	99410G	Cathode Support Plate	17189150	1

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G-30-015AH12 Rev 02

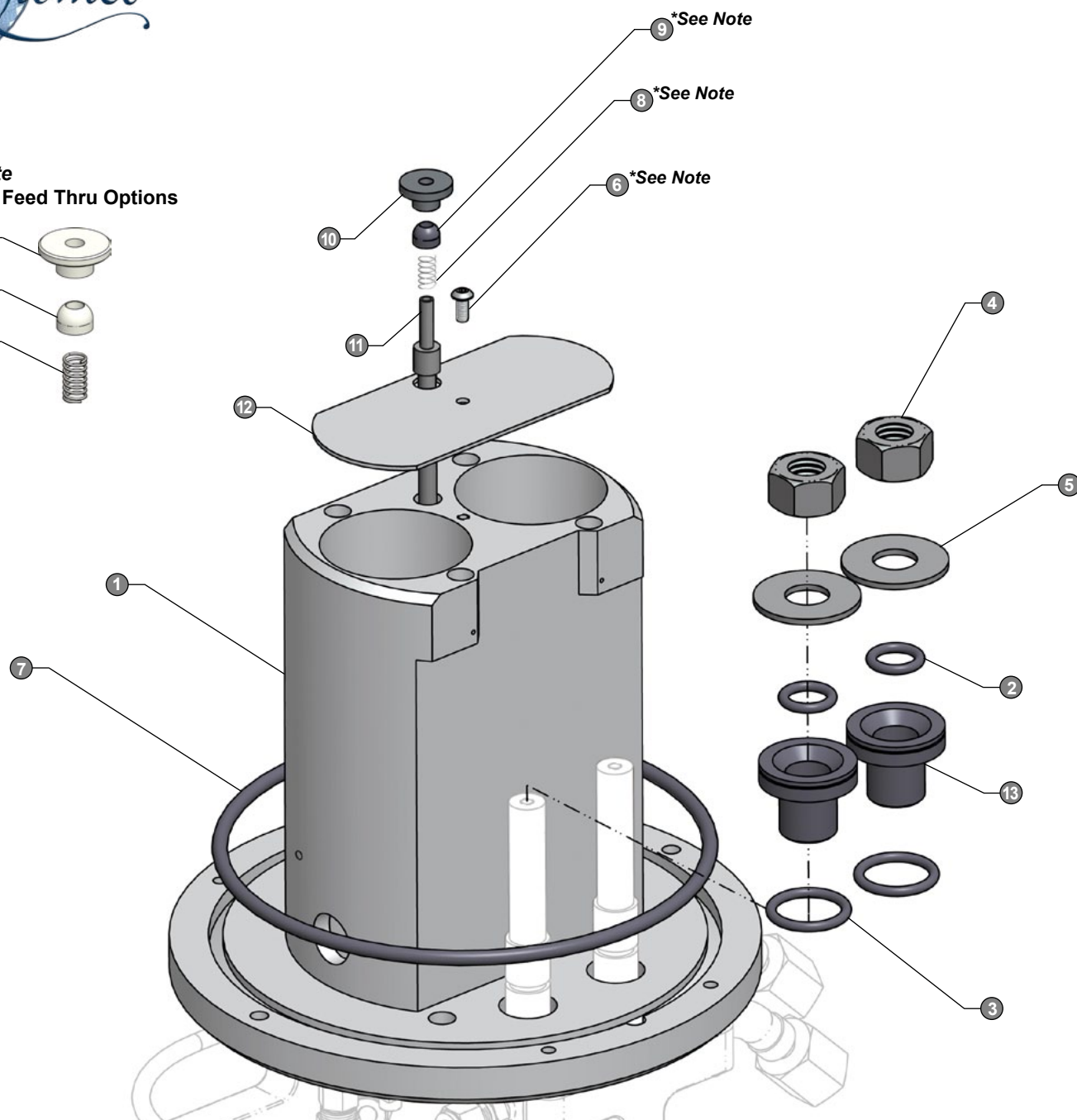
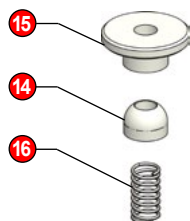


Item	P/N	Description	OEM	QTY
1	42006	Threaded stud	5951-0010-0001	2
2	82442	SHCS 10-32 X 1 SST	4400022	4
3	82527	Fitting, Connector, 1/4", 1/8" Male NPT, 316 SST	3400064	1
4	82528	Fitting, Male Elbow, 1/4" Tube, 1/8 NPT, 316 SST	5869-0001-0006	2
5	82655	BHSS 1/4"-20 X 1" SST	4500263	2
6	82708	Knob, Plastic Fluted Hand Knob	4000861	2
7	82751	Tube 1/4"ODX.040 Wall LDPE Yellow	7500007	1'
8	83701	Fitting, QC Series Instrumentation Quick Connect Stem, Key 1	No OEM Reference	1
9	83703	Fitting, QC Series Instrumentation Quick Connect Stem, Key 3	No OEM Reference	1
10	99251	Vaporizer Blankoff Plate	No OEM Reference	1
11	99326A	Source Handle	17036660	2
12	99327	Feed-Thru Connector	17033010	1
13	99329	Positive Feed-Thru	17033021	1
14	99330	Negative Feed-Thru	17033020	1
15	99333	Gas Feed Tube Assembly	No OEM Reference	1
16	99335	Cooling Tube Assembly	1200850	1
17	99418	Insulator, Torlon	17127840	1
18	82535A	Fitting, Union Elbow, 1/4" W/O Nut, 316 SST	No OEM Reference	1
19	82912V	O-Ring -012, Viton®	E3500068	1
20	8A130	Street Elbow, 45 DEG. 1/8 NPTF X 1/8 NPTM, SS	3401279	2

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***Note
Gas Feed Thru Options**

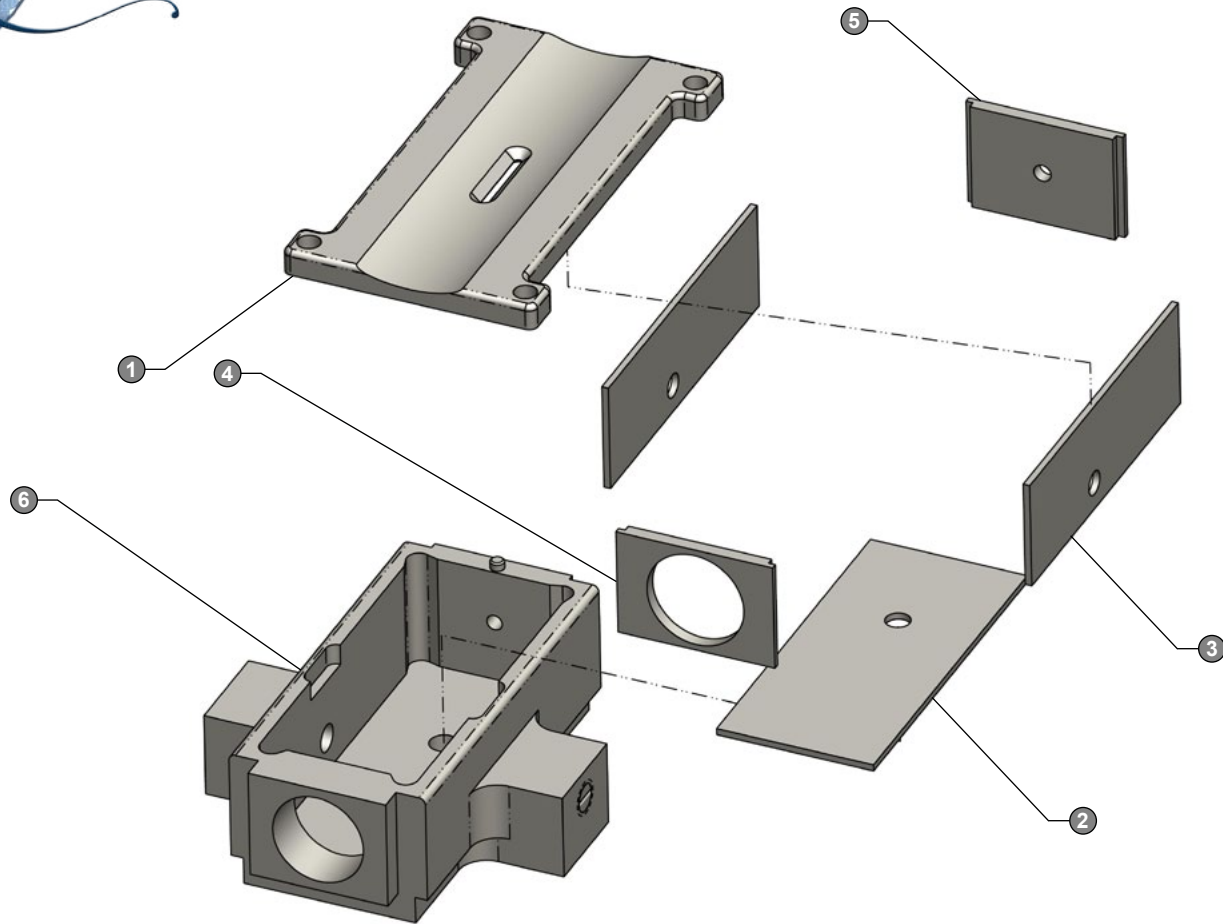


Item	P/N	Description	OEM	QTY
1	42007CS	Source Body	No OEM Reference	1
2	82207	O-Ring -208 Buna-N	E35000139	2
3	82210	O-Ring - 214 Buna-N	3500027	2
4	82337	Nut 5/8-11 Hex STNLS	4400006	2
5	82491	Washer Fillament Feed-Thru	1700250	2
6	82631	8-32 X 3/8" BHSS, SST	4400183	1
7	83264	O-Ring 364 Buna-N	3500028	1
8	99172	Compression Spring, Stainless	17033140	1
9	99176	Ball Joint, Graphite	17021591	1
10	99177	SKT Joint	17033150	1
11	99333	Gas Feed Tube Nozzle	No OEM Reference	1
12	99252A	Vaporizer Exit Shield, 8250 ELS Source	No OEM Reference	1
13	99324A	Feed-Thru Insulator, Long Vespel	17127830	1
14	99176C	Ball Joint, Alumina	OEM17287690	
15	99177C	SKT Joint, Alumina	No OEM Reference	
16	99664A	Compression Spring, Gas Feed, GSD, Long Life	17270640	

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Optional Arc Chamber Liner System



Item	P/N	Description	OEM	QTY
1	40549	ELS Face Plate, Molybdenum	7142-0019-0002	1
2	42020	Base, Arc Chamber Liner, Molybdenum	No OEM	1
3	42021	8250 Arc Chamber Side Liner, Molybdenum	No OEM	1
4	99662	EELS Arc Chamber Filament End Liner, Molybdenum	17292620	1
5	99663	EELS Repeller End Liner, .140" Repeller, Molybdenum	17292630	1
6	42001L	8250 ELS Arc Chamber	0897-0041-0003	1

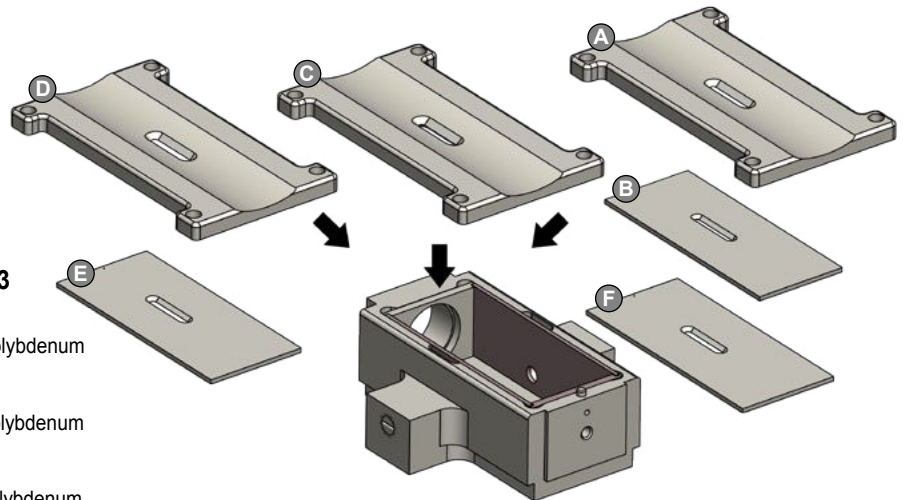
Optional Top Plates

Top Plates for 8200 & 8250

- A** P/N 40549A – OEM 7142-0019-0002
8250 ELS Face Plate, Molybdenum
- B** P/N 42015 – OEM 7142-0019-0002
8250 ELS Face Plate Liner, Molybdenum

Top Plates for 8250 Beam Current Upgrade & MC3

- C** P/N 40549B – OEM 17277260
MC3/8250 ELS Face Plate with Beam Current Upgrade, Molybdenum
- D** P/N 40549BL – OEM 17277260
MC3/8250 ELS Face Plate with Beam Current Upgrade, Molybdenum
- E** P/N 42015B – OEM 17277260
8250 ELS Face Plate Liner with Beam Current Upgrade, Molybdenum
- F** P/N 42015C – No OEM Reference
8250 ELS Face Plate Liner, Molybdenum



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