

Summary Bill of Material

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Assemblies Included. All levels reported.

Assembly Part Number: 14060005

Part Rev: B

Part List Rev: B

Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
12000003	KEystone CABLE,INTERCONNECT	C		FT	14.80	
12010009	INSULATOR	F		EA	122.00	
12010011	PIN, SHEAR	B		EA	2,920.00	
12010021	PLATE, PRESSURE, LEAD END	C		EA	2.00	
12010022	PLATE,PRESSURE,NON-LEAD END	C		EA	2.00	
12010029	RESTRAINT, AXIAL	B		EA	12.00	
12010030	DISC, FLUSH	E		EA	36.00	
12010032	ASSY,CLR MODULE,MIDDLE,RH	E	E	EA	708.00	
12010033	ASSY,CLR MODULE,MIDDLE,LH	E	E	EA	708.00	
12010034	ASSY,CLR MODULE,LEAD END,RH	E	E	EA	22.00	
12010035	ASSY,CLR MODULE,LEAD END,LH	E	E	EA	22.00	
12010037	ASSY,LEAD INSULATOR RAMP	D	E	EA	2.00	
12010044	POLE SPACER, LEAD END, PART A	D		EA	2.00	
12010045	POLE SPACER, LEAD END, PART B	D		EA	2.00	
12010046	POLE SPACER, NON-LEAD END	D		EA	2.00	
12010047	ADHESIVE, EPOXY (815)	B		OZ	1.00	
12010048-01	KAPTON,CREASED CAP	E		EA	4.00	
12010049	CABLE,COPPER LEAD STABILZER	B	B	EA	4.00	
12010051	INSULATOR, COIL/BUS	C		EA	1.00	
12010052	SPACER, COIL/BUS	B		EA	1.00	
12010053	INSULATOR,CROSSOVER	C		EA	1.00	
12010054	INSULATOR,COIL/FLEXIBLE JOINT	C		EA	1.00	
12010057	LAMINATION, YOKE	E		EA	2,832.00	
12010059	INSULATOR, HOUSING	C		EA	2.00	
12010060	INSULATOR, COVER	C		EA	2.00	
12010061-01	PIN,DOWEL	C		EA	8.00	
12010063	INSULATOR, NON-LEAD END	E		EA	4.00	
12010064	INSULATOR, LEAD END	D		EA	8.00	
12010065	CURING AGENT	C		OZ	0.10	
12010067-02	SCR,MACHINE,FLHD,82 DEG.	B		EA	122.00	
12010069	PASTE, SOLDERING	A		OZ	4.06	
12010070-01	SOLDER, ROUND WIRE	A		LB	7.04	
12010099	TERMINAL,OUTER	B		EA	1.00	
12010100	TERMINAL,INNER	C		EA	1.00	

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12010101	TERMINAL, OUTER, FIXED	B		EA	1.00	
12010102	TERMINAL, INNER, FIXED	B		EA	1.00	
12010109	COMPOUND, ANTI-SEIZE	B		OZ	0.00	
12010113	TERMINAL, TURRET	A		EA	12.00	
12010126	ADHESIVE, CYANOACRYLATE	A		OZ	0.48	
12010135	TAPE, FIBERGLASS	A		FT	1.38	
12010145	CABLE, COPPER	A		FT	8.00	
12010149	LIQUID, THREAD LOCKING	B		OZ	1.26	
12010152	SLEEVE, END VOLUME	B		EA	2.00	
12010162-01	ASSY-SUB, FLEXIBLE JOINT, OUTER	E	E	EA	1.00	
12010163-01	ASSY-SUB, FLEXIBLE JOINT, INNER	E	E	EA	1.00	
12010164	SPINE, FLEXIBLE JOINT	B		EA	1.00	
12010169-01	TAPE, INSULATOR	D		FT	9.49	
12010169-03	TAPE, INSULATOR	D		FT	0.30	
12010176-03	BUS, COPPER, 2 HOLES	E		EA	2.00	
12010181-01	INSULATION, POLYIMIDE FILM	R		FT	55.46	
12010181-02	INSULATION, POLYIMIDE FILM	R		FT	71.40	
12010181-03	INSULATION, POLYIMIDE FILM	R		FT	16.00	
12010181-07	INSULATION, POLYIMIDE FILM	R		FT	213.91	
12010181-08	INSULATION, POLYIMIDE FILM	R		FT	24.00	
12010181-09	INSULATION, POLYIMIDE FILM	R		FT	2.16	
12010181-13	INSULATION, POLYIMIDE FILM	R		FT	950.00	
12010181-22	INSULATION, POLYIMIDE FILM	R		FT	0.00	
12010181-23	INSULATION, POLYIMIDE FILM	R		FT	16.00	
12010181-24	INSULATION, POLYIMIDE FILM	R		FT	16.00	
12010181-36	INSULATION, POLYIMIDE FILM	R		FT	19,300.00	
12010181-37	INSULATION, POLYIMIDE FILM	R		FT	2,232.00	
12010181-38	INSULATION, POLYIMIDE FILM	R		FT	19,300.00	
12010181-39	INSULATION, POLYIMIDE FILM	R		FT	2,280.00	
12010181-41	INSULATION, POLYIMIDE FILM	R		FT	163,200.00	
12010181-42	INSULATION, POLYIMIDE FILM	R		FT	163,200.00	
12010189	SHIM, COIL	C		EA	32.00	
12010190	RESISTOR, 200 OHM, 5W	B		EA	6.00	
12010227	ASSY, POLE SPACER, LEAD END	B	B	EA	2.00	

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12010236	CORD, LACING AND TYING	A		FT	1.00	
12010245	CONDUIT	D		EA	1.00	
12010246	SUPPORT,FLEXIBLE JOINT	B		EA	1.00	
12010250	SPLITTER,FLEX JOINT,FIXED SIDE	B		EA	1.00	
12010251	COVER, SPLITTER, FLEX JOINT	A		EA	2.00	
12010252	ASSY,COVER,SPLITTER	A	A	EA	1.00	
12010255-03	STUD, THREADED	A		EA	4.00	
12010256	SPLITTER, FLEXIBLE JOINT	B		EA	1.00	
12010274-01	ASSY, WEDGE & WEDGE TIP 2A	C	D	EA	2.00	
12010275-01	ASSY, WEDGE & WEDGE TIP 3	C	D	EA	8.00	
12010277	ASSY, LAMINATED WEDGE TIP NO.3	B	C	EA	8.00	
12010278-04	SPACER, LAMINATED	A		EA	8.00	
12010278-12	SPACER, LAMINATED	A		EA	8.00	
12010278-14	SPACER, LAMINATED	A		EA	16.00	
12010278-19	SPACER, LAMINATED	A		EA	16.00	
12010281	CLAMP,SPLICE,SUPERCONDUCTOR	C		EA	2.00	
12010282	CLAMP,SPLICE,COPPER	A		EA	2.00	
12010288-01	ASSY, INSULATED WEDGE NO. 1	B	C	EA	28.00	
12010289-01	ASSY, INSULATED WEDGE NO. 2	C	E	EA	28.00	
12010290-01	ASSY, INSULATED WEDGE NO. 3	C	D	EA	28.00	
12010291-01	ASSY, WEDGE & WEDGE TIP 1A	B	C	EA	2.00	
12010292-01	ASSY, WEDGE & WEDGE TIP 1B	B	C	EA	2.00	
12010293-01	ASSY, WEDGE & WEDGE TIP 1C	B	C	EA	2.00	
12010294-01	ASSY, WEDGE & WEDGE TIP 1D	B	C	EA	2.00	
12010327	CLAMP, HOSE	A		EA	1.00	
12010354-06	END SPACER LAMINATION	A		EA	30.00	
12010354-10	END SPACER LAMINATION	A		EA	22.00	
12010354-13	END SPACER LAMINATION	A		EA	36.00	
12010355-01	WEDGE NO. 1	B		EA	36.00	
12010357-01	WEDGE NO. 3	B		EA	36.00	
12010360-01	WEDGE NO. 1 CHEM-MILLED	B	B	EA	8.00	
12010361-01	WEDGE NO. 2 CHEM-MILLED	B	C	EA	8.00	
12010362-01	WEDGE NO. 3 CHEM-MILLED	B	B	EA	8.00	
12010363	SOLID WEDGE TIP 1A, LEAD END	B		EA	2.00	

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12010364	SOLID WEDGE TIP1B,NON-LEAD END	B		EA	2.00	
12010365	SOLID WEDGE TIP 1C,NON-LEADEND	B		EA	2.00	
12010366	SOLID WEDGE TIP 1D, LEAD END	B		EA	2.00	
12010367-01	ASSY, WEDGE & WEDGE TIP 2B	C	D	EA	2.00	
12010368-01	ASSY, WEDGE & WEDGE TIP 2C	C	D	EA	2.00	
12010369-01	ASSY, WEDGE & WEDGE TIP 2D	C	D	EA	2.00	
12010383	SOILD WEDGE TIP 2A, LEAD END	B		EA	2.00	
12010384	SOLID WEDGE TIP 2B	B		EA	2.00	
12010385	SOLID WEDGE TIP 2C	B		EA	2.00	
12010386	SOLID WEDGE TIP 2D	B		EA	2.00	
12010387	END SPACER NO.6, LEAD END	B		EA	2.00	
12010388	END SPACER NO.7, NON-LEAD END	B		EA	2.00	
12010389	END SPACER NO.8, LEAD END	B		EA	2.00	
12010390	END SPACER NO.9, NON-LEAD END	B		EA	2.00	
12010391	END SPACER NO.10, LEAD END	B		EA	2.00	
12010392	END SPACER NO.12, LEAD END	B		EA	2.00	
12010393	END SPACER NO.13, NON-LEAD END	B		EA	2.00	
12010394	END SPACER NO.14, LEAD END	B		EA	2.00	
12010395	END SPACER NO.15, NON-LEAD END	B		EA	2.00	
12010396	END SPCR NO.16, LEAD END	B		EA	2.00	
12010397	END SPACER NO.17, NON-LEAD END	B		EA	2.00	
12010401-01	8CM DIPOLE, WEDGE NO. 2	A		EA	36.00	
12010403	END SPACER NO.11, NON-LEAD END	B		EA	2.00	
12010405	END SPACER NO.1, LEAD END	B		EA	2.00	
12010406	END SPACER NO.3, LEAD END	B		EA	2.00	
12010407	END SPACER NO.2, NON-LEAD END	B		EA	2.00	
12010408	END SPACER NO.4, NON-LEAD END	B		EA	2.00	
12010409	END SPACER NO.5, NON-LEAD END	B		EA	2.00	
12010410	SADDLE, LEAD END	C		EA	2.00	
12010411	SADDLE, NON-LEAD END	C		EA	2.00	
12010434	FLANGE, BLANK 4.50 DIA	A		EA	2.00	
12010436	FLANGE, NON-ROTATABLE 4.50 DIA	A	A	EA	2.00	
12010438	FLANGE, 2 1/2 DIA TUBE	A		EA	1.00	
12010441-01	FILLER WIRE, WELDING	B		LB	0.00	

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12010441-02	FILLER WIRE, WELDING	B		LB	3.00	
12010441-03	FILLER WIRE, WELDING	B		LB	0.00	
12010496	YOKE LAMINATION	A		EA	88.00	
12010498	CABLE CLAMP, PLASTIC	A		EA	1.00	
12010499	CABLE, RECTANGULAR	A		FT	4.18	
12011305-02	BELLOWS	A		EA	1.00	
12020273	ADHESIVE, GE ULTEM	B		OZ	1.00	
12020421-01	SOLDER, RIBBON	C		FT	2.00	
12040126-01	TUBING, HT SHK 1/8 DIA	C		FT	182.00	
12040126-02	TUBING,RAYCHEM HT SHK 1/4 DIA	C		FT	1.00	
12040128	FLUX, ELECTRO ROSIN	B		OZ	0.00	
12050129	PIN, GUIDE	C		EA	2.00	
12050186	BRAZING PASTE	B		OZ	0.00	
12050394	ADHESIVE,SCOTCH-WELD,GRAY	A		OZ	0.00	
12055013-01	HARDENER, TYPE 24LV	A		LB	0.00	
12055014-01	EPOXY, TYPE 2850MT	A		GA	0.00	
12060009	ADHESIVE, EPOXY	A		OZ	4.00	
12060010	HARDENER, EPOXY	A		OZ	4.00	
12060093-17	SPACER MATERIAL	G		EA	218.00	
12060093-25	SPACER MATERIAL	O		EA	62.00	
12060094	ALUMINUM WELDING ROD	A		OZ	8.00	
12060101	ASSY,POST,FIXED	A	B	EA	2.00	
12060102	ASSY,POST,FIXED	A	B	EA	1.00	
12060103	ASSY,POST,FIXED	A	A	EA	1.00	
12060108	POST,SLIDING-MACHINING	B	B	EA	2.00	
12060122	SPACER, INSULATING	B		EA	28.00	
12060123	WASHER	B		EA	4.00	
12065003	NUT PLATE,INTERNAL,POST	D		EA	2.00	
12065005	SUPPORT PLATE,HEAT SHIELD,CTR	F		EA	1.00	
12065006-01	POST,FIXED,MACHINING	E	E	EA	2.00	
12065006-02	POST,FIXED,MACHINING	E	E	EA	1.00	
12065006-03	POST, FIXED, MACHINING	E	E	EA	1.00	
12065007	RING,BACKING,POST-EXTERNAL	D		EA	1.00	
12065009	ASSY-POST,SLIDING-BONDING	C	C	EA	2.00	

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Quantity to Build: 1

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12065011	POST, BLANK, MACHINING	F	F	EA	2.00	
12065012	POST,BLANK-INJECTION MOLDING	A		EA	6.00	
12065018	SOCKET, TARGET, SURVEY	B		EA	6.00	
12065023	SLEEVE,COOLANT PIPE,HEAT SHLD	C		EA	28.00	
12065030	CLAMP,POST	B		EA	4.00	
12065033	SPACER, POST CLAMP	A		EA	4.00	
12065034	CRADLE,COLD MASS-CASTING	F		EA	3.00	
12065041-01	BLKT,INSUL,MULTILYR-POST CYL	C	C	EA	9.00	
12065041-02	BLKT,INSUL,MULTILYR-POST CYL	C	C	EA	3.00	
12065048	WASHER, SHOULDER	C		EA	4.00	
12065049	ANCHOR, COOLANT PIPE HTSHLD	C		EA	1.00	
12065061	CONN.,THERMAL-HEAT SHIELD	A		EA	8.00	
12065062	DISK,CLOSURE,SLIDING POST	D		EA	2.00	
12065063-02	MYLAR, ALUMINIZED	L		EA	24.00	
12065063-03	MYLAR, ALUMINIZED	L		EA	36.00	
12065063-05	MYLAR, ALUMINIZED	L		EA	144.00	
12065063-06	MYLAR, ALUMINIZED	L		EA	6.00	
12065063-07	MYLAR, ALUMINIZED	L		EA	12.00	
12065063-12	MYLAR, ALUMINIZED	L		EA	30.00	
12065063-16	MYLAR, ALUMINIZED	L		EA	36.00	
12065063-21	MYLAR, ALUMINIZED	L		EA	12.00	
12065064-07	SPACER MATERIAL	L		EA	45.00	
12065064-09	SPACER MATERIAL	L		EA	156.00	
12065064-10	SPACER MATERIAL	L		EA	39.00	
12065064-11	SPACER MATERIAL	L		EA	15.00	
12065064-32	SPACER MATERIAL	L		EA	33.00	
12065064-40	SPACER MATERIAL	L		EA	15.00	
12065067-01	ASSY,BLKT,INSUL,MULTILYR-BAF	B	C	EA	3.00	
12065067-02	ASSY,BLKT,INSUL,MULTILYR-BAF	B	C	EA	9.00	
12065068	ROD-BAFFLE	C		EA	3.00	
12065070	ASSY,BAFFLE	B	B	EA	3.00	
12065071	NUT-PUSH ON	A		EA	60.00	
12065072	WASHER,NYLON	B		EA	30.00	
12065079	RING,CENTER BACKING	C		EA	1.00	

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12065080	ASSY-HAT,INSUL,MULTILAYER-BAF	B	D	EA	3.00	
12065091	COVER,PORT,MACHINING	C	C	EA	3.00	
12065093	COVER,PORT,CASTING	B		EA	3.00	
12065100	SLEEVE, GUIDE PIN	A		EA	2.00	
12065101	SHIM,LAMINATED	C		EA	3.00	
12065102	RING,BACKING,POST	B		EA	1.00	
12100015	RING, BACKING POST	A		EA	2.00	
12100016	RING, BACKING, POST-EXTERNAL	A		EA	2.00	
12100026-02	WIRE, 28 AWG	A	-	FT	11.00	
12100026-04	WIRE, 28 AWG	A	-	FT	11.00	
12100026-05	WIRE, 28 AWG	A	-	FT	120.00	
12100026-06	WIRE, 28 AWG	A	-	FT	120.00	
12100026-09	WIRE, 28 AWG	A	-	FT	120.00	
12100026-10	WIRE, 28 AWG	A	-	FT	131.00	
12100029-01	WIRE, 14 AWG, BRN	C		FT	10.00	
12100029-04	WIRE, 14 AWG, YEL	C		FT	10.00	
12100029-05	WIRE, 14 AWG, GRN	C		FT	13.00	
12100029-08	WIRE, 14 AWG, GRY	C		FT	13.00	
12100072	TRANSPARENT TAPE	A		FT	0.00	
12105096	NUT PLATE,INTERNAL,POST	C		EA	1.00	
12130089	BELLOWS FLANGE, ROLLED	B		EA	1.00	
14000001	SUPERCONDUCTOR KEYSTONED CABLE	A		FT	4,100.00	
14010018	COLD M & PRESS LK TST ASSY D1	B	B	EA	1.00	
14010067	KEY,COLLARING	A	-	EA	36.00	
14010073	ASSY,RESISTOR,QUENCH PROTECT	A	A	FT	136.00	
14010074	RESISTOR,QUENCH PROTECTION	A		FT	81,600.00	
14010076-02	RESISTOR,QUENCH PROTECTION	A	A	EA	4.00	
14010084	HALF SHELL, RIGHT	A	-	EA	1.00	
14010085	HALF SHELL, LEFT	A	-	EA	1.00	
14010088	ASSY, ELECTRO-MECHANICAL, D1	B	B	EA	1.00	
14010089	BOARD	B		EA	2.00	
14010093	BEAM TUBE	A		EA	1.00	
14010095	END CRADLE ASSY, LE & NLE	A	A	EA	2.00	
14010097	CRADLE,CENTER,ASSEMBLY	A	A	EA	1.00	

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14010099	END CRADLE ASSY, MACHINING	A	A	EA	2.00	
14010100	CRADLE, CENTER, MACHINING	B	B	EA	1.00	
14010104-02	ASSY, KEYSTONED CABLE & INSUL	A	A	EA	2.00	
14010119	YOKE CONTAINMENT ASSEMBLY	C	C	EA	1.00	
14010130	ASSY,8CM INSERT COIL WIND&CUR	B	B	EA	2.00	
14010143	CLAMP, HEATER	A	-	EA	8.00	
14010144	STUD, THREADED	A	-	EA	22.00	
14010145	BOARD ASSEMBLY	B	B	EA	2.00	
14010160	JUMPER,COIL/FLEX JOINT	A	-	EA	1.00	
14010161	JUMPER, COIL TO FLEX JOINT	A	-	EA	1.00	
14010162	COVER, COIL/BUS INSULATOR	A	-	EA	1.00	
14010167	BOARD, MOUNTING, RESISTOR	A	-	EA	1.00	
14010192	INSULATOR (REWORK)	A	A	EA	122.00	
14010193	BEAM TUBE ASSEMBLY (D1)	A	A	EA	1.00	
14010194	D1 COLLARING ASSEMBLY	B	B	EA	1.00	
14010196	SHIM, COIL SUPPORT	A	-	EA	122.00	
14010226	END PLATE, LEAD END	A		EA	1.00	
14010227	END PLATE, NON-LEAD END	A		EA	1.00	
14010228	ASSY, COLLAR MOD MID, RH (MOD)	A	A	EA	4.00	
14010230	ASSY, COLLAR MOD MID, LH (MOD)	A	A	EA	3.00	
14010232	8CM D1/D3 COIL ASSEMBLY	B	B	EA	2.00	
14010234	TAPE, ALUMINUM	A		M	0.00	
14010235	CRYOGENIC THERMOMETER ASSEMBLY	A		EA	2.00	
14010260	SENSOR PLATE SUPPORT	A		EA	2.00	
14010265	PHASE SEPARATOR ASSEMBLY	C	C	EA	2.00	
14010266	ASSY, HEAT EXCHANGER MANIFOLD	A	A	EA	2.00	
14010267	ASSY, HEAT EXCHANGER	A	A	EA	2.00	
14010270	COPPER/STAINLESS TRANSITION	A	A	EA	4.00	
14010275	TUBE, EXTENSION	A		EA	4.00	
14010277	TUBE, TRANSITION	A		EA	4.00	
14010278-07	SPACER MATERIAL	I		EA	31.00	
14010278-08	SPACER MATERIAL	I		EA	31.00	
14010278-09	SPACER MATERIAL	I		EA	23.00	
14010278-10	SPACER MATERIAL	I		EA	30.00	

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Part List Rev: B

Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
14010278-11	SPACER MATERIAL	I		EA	32.00	
14010278-17	SPACER MATERIAL	I		EA	0.00	
14010278-19	SPACER MATERIAL	I		EA	53.00	
14010278-20	SPACER MATERIAL	I		EA	106.00	
14010279-04	ALUMINIZED MYLAR	H		EA	30.00	
14010279-05	ALUMINIZED MYLAR	H		EA	30.00	
14010279-06	ALUMINIZED MYLAR	H		EA	22.00	
14010279-07	ALUMINIZED MYLAR	H		EA	1.00	
14010279-08	ALUMINIZED MYLAR	H		EA	14.00	
14010279-09	ALUMINIZED MYLAR	H		EA	1.00	
14010279-13	ALUMINIZED MYLAR	H		EA	2.00	
14010279-14	ALUMINIZED MYLAR	H		EA	36.00	
14010279-15	ALUMINIZED MYLAR	H		EA	72.00	
14010279-16	ALUMINIZED MYLAR	H		EA	4.00	
14010280	TUBE, LONG	A		EA	2.00	
14010282	SHELL, PHASE SEPARATOR	A		EA	2.00	
14010283	FLANGE,PHASE SEPARATOR FRONT	A		EA	2.00	
14010284	FLANGE, PHASE SEPARATOR REAR	A		EA	2.00	
14010285	TUBE, LONG	A		EA	2.00	
14010286	TUBE, SHORT	A		EA	2.00	
14010288	TUBE, INCLINED, PHASE SEPARATO	A		EA	2.00	
14010289	ELBOW,90 DEGREE	0		EA	8.00	
14010293	TUBE, CENTRAL	A		EA	2.00	
14010294	PLUG	A		EA	2.00	
14010295	MANIFOLD	A		EA	2.00	
14010296	ELBOW, 90 DEG. MITTERED	A	A	EA	4.00	
14010297	ELBOW, 90 DEG, LONG	A		EA	8.00	
14010298	TUBE, EXIT	A		EA	2.00	
14010299	HEATER - HEAT SINK	A		EA	2.00	
14010300	TUBE, INCLINED	A		EA	4.00	
14010302	TUBE, LONG	A		EA	4.00	
14010306	FLANGE, INSTRUMENTATION ROLLED	A		EA	1.00	
14010322	SENSOR SUPPORT PLATE ASSEMBLY	B	B	EA	2.00	
14010323-01	TUBE, 1.0 DIA, END VOLUME	A	-	EA	0.00	

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Assemblies Included. All levels reported.

Assembly Part Number: 14060005

Part Rev: B

Part List Rev: B

Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
14010334	BELLOWS, HEAT EXCHANGER	A		EA	2.00	
14010346	FLANGE, END VOLUME	A		EA	1.00	
14010347	FLANGE,END VOLUME NON LEAD END	0		EA	1.00	
14010348	END VOLUME ASSY,L.E.,D1	A	A	EA	1.00	
14010349	END VOLUME ASSY, NON L.E., D1	B	B	EA	1.00	
14010351	FLANGE, CONFLAT, NONROTATABLE	A	-	EA	1.00	
14010355	ELBOW 90 DEGREE	A	-	EA	2.00	
14010362	FLANGE, CONFLAT	A		EA	2.00	
14010369	TUBE - SHORT, HELIUM SUPPLY	A	-	EA	1.00	
14010370	BLOCK, SURVEY	A	-	EA	8.00	
14010371	TUBE,HEAT TRANSFER,PHASE SEPAR	B		EA	2.00	
14010373	TUBE, INBOARD	0		EA	1.00	
14010374	TUBE, TRANSITION	0		EA	1.00	
14010375	TUBE, OUTBOARD	0		EA	1.00	
14010376	TUBE, INTERCONNECT [2.50] DIA.	A	-	EA	1.00	
14010382	ASSY, FLEXIBLE JOINT, ELECTRO/	A	A	EA	1.00	
14010383	BUS BAR, INTERCONNECT, UPPER	A	-	EA	1.00	
14010384	BUS BAR, INTERCONNECT, LOWER	A	-	EA	1.00	
14010385	CONDUIT, INTERCONNECT, FLEX JO	A	A	EA	1.00	
14010386-02	ASSY CABLE VOLTAGE TAP	A	A	FT	10.00	
14010397-01	CABLE ASSY, (26 AWG), DIPOLE	A	A	FT	6.00	
14010397-02	CABLE ASSY,(26 AWG), DIPOLE	A	A	FT	6.00	
14010398-01	WIRE, 26 AWG,BROWN	0		FT	6.60	
14010398-02	WIRE, 26 AWG, RED	0		FT	6.60	
14010398-05	WIRE, 26 AWG, GREEN	0		FT	6.60	
14010398-06	WIRE, 26 AWG, BLUE	0		FT	6.60	
14010403-02	WIRE, 22 AWG, RED	A		FT	1.00	
14010403-04	WIRE, 22 AWG, YELLOW	A		FT	1.00	
14010403-10	WIRE, 22 AWG, BLACK	A		FT	1.00	
14010406	ELBOW, 90 DEGREE MITERED	A		EA	4.00	
14010407	TUBE - LONG HELIUM SUPPLY	B	-	EA	1.00	
14010410	45 DEGREE ELBOW WITH TANGENTS	0		EA	1.00	
14010414	LEAD PROTECTOR	A	-	EA	2.00	
14010415	LEG, VACUUM TANK	0		EA	3.00	

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Assembly Part Number: 14060005

Part Rev: B

Part List Rev: B

Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
14010440	SUPPORT, 1.9K TRANSFER LINE	0		EA	5.00	
14010441	STANDOFF, MOUNTING BOARD, 8 CM	A	-	EA	3.00	
14010486	AXIAL RESTRAINT	A		EA	8.00	
14060006	DIPOLE MAGNET ASSY (D1),CRYOST	D	D	EA	1.00	
14060019	PROTECTOR RING	0		EA	6.00	
14060030	VACUUM VESSEL MACHINING	B	B	EA	1.00	
14060033	HEAT SHIELD ASSY,(D1) LOWER	A	A	EA	1.00	
14060034	SUPPLY LINE ASSY, HEAT SHIELD	A	A	EA	1.00	
14060035	HEAT SHIELD, (D1)LOWER	B	-	EA	1.00	
14060036	SUPPORT PLATE,OUTER	A	-	EA	2.00	
14060037	PIPE, HEAT SHIELD SUPPLY LINE	A	-	EA	1.00	
14060038	SLEEVE, COOLANT, SHORT	A	-	EA	2.00	
14060041	VACUUM VESSEL WELDMENT	B	C	EA	1.00	
14060042	PIPE,MACHINING	0		EA	1.00	
14060043	FLANGE,VACUUM VESSEL ROTATABLE	0		EA	1.00	
14060044	FLANGE,VACUUM VESSEL MATING	0		EA	1.00	
14060045	FLANGE,VACUUM VESSEL FIXED	0		EA	1.00	
14060046	RING HALF,FRONT TYPE A REINFOR	0		EA	3.00	
14060047	RING HALF, REAR TYPE A REINFOR	0		EA	3.00	
14060048	RING HALF, FRONT TYPE B REINFO	0		EA	3.00	
14060049	RING HALF, REAR TYPE B REINFOR	0		EA	3.00	
14060051	SUPPORT, ALIGNMENT	0		EA	6.00	
14060053	PLATE,MONORAIL	0		EA	2.00	
14060055	UPPER HEAT SHIELD	A	A	EA	1.00	
14060061-09	ALUMINIZED MYLAR	J		EA	1.00	
14060061-10	ALUMINIZED MYLAR	J		EA	1.00	
14060061-11	ALUMINIZED MYLAR	J		EA	15.00	
14060061-12	ALUMINIZED MYLAR	J		EA	2.00	
14060061-21	MYLAR, ALUMINIZED	J		EA	0.00	
14060063	STRAP ASSY, PASSIVE HEATING SY	B	B	EA	2.00	
14060064	STUD, THREADED	A		EA	4.00	
14060065	TERMINAL ASSY, PASSIVE HEATING	A	A	EA	2.00	
14060067	LOWER CLAMP, PASSIVE HEATING S	A		EA	2.00	
14060068	UPPER CLAMP, PASSIVE HEATING S	B		EA	2.00	

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Assembly Part Number: 14060005

Part Rev: B

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Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
14060069	TERMINAL, PASSIVE HEATING SYST	A		EA	2.00	
14060071	NAMEPLATE, BROOKHAVEN NATIONAL	0		EA	1.00	
14060072	NAMEPLATE, LHC PROJECT	0		EA	1.00	
14060073	BEARING, SPHERICAL	0	A	EA	7.00	
14060075	ASSY,BLKT,COLD MASS (D1)	A	A	EA	1.00	
14060076-01	ASSY,BLKT,HEAT SHLD,INNER (D1)	A	A	EA	1.00	
14060076-02	ASSY,BLKT,HEAT SHLD,OUTER (D1)	A	A	EA	1.00	
14060077	ASSY,BLKT,PIPE,OUTER (D1)	A	A	EA	1.00	
14060078	ASSY,BLKT,PIPES,INNER (D1)	A	A	EA	1.00	
14060080	PIPE ASSY, VENT TRANSFER LINE	A	A	EA	1.00	
14060081	PIPE,VENT TRANSFER LINE	A		EA	1.00	
14060082	REDUCER, 2 X 2-1/2, SCHED 5	0		EA	3.00	
14060098	BLKT ASSY, CENTER CRADLE (D1)	A	A	EA	1.00	
14060099	BLANKET ASSY, END CRADLE (D1)	A	A	EA	2.00	
14060102	ANCHOR, VENT TRANSFER LINE	0		EA	1.00	
14060103	TUBE ASSY, VENT (PH SEP) N.L.E	A		EA	1.00	
14060104	ANCHOR, HEAT SHIELD RETURN LIN	0		EA	1.00	
14060105	PIPE ASSY, HEAT SHIELD RETURN	A	A	EA	1.00	
14060106	PIPE, HEAT SHIELD RETURN LINE	A		EA	1.00	
14060107	PIPE ASSY,4.5K HELIUM SUPPLY	B	B	EA	1.00	
14060108	PIPE,4.5K HELIUM SUPPLY LINE	A		EA	1.00	
14060109	ANCHOR,4.5K HELIUM SUPPLY LINE	0		EA	1.00	
14060113	SUPPORT,COLD MASS SUPPLY PIPE	A		EA	4.00	
14060123	FLEX HOSE ASSY,HEAT SHIELD SUP	A	A	EA	1.00	
14060135	HOSE ASSY,1.9K XFR/SPLY LINE	A	A	EA	1.00	
14060138	ELBOW, 90 DEGREE, 2 INCH PIPE	A		EA	1.00	
14060139	HOSE, FLEXIBLE, METAL	A		EA	1.00	
14060140	REDUCER,2-1/2 X 1-1/4 SCHED 5	0		EA	1.00	
14060141	REDUCER,2-1/2 X 1-1/2 SCHED 5	0		EA	1.00	
14060142	ADAPTER,1-1/4 IPS X 1.5 DIA TB	0		EA	2.00	
14060143	ADAPTER,1-1/2 IPS X 1.75 DIA T	0		EA	1.00	
14060144	ADAPTER,2 IPS X 2.0 DIA TBG	0		EA	2.00	
14060145	REDUCER,2 X 1-1/4 SCHED 10S	A		EA	1.00	
14060146	REDUCER, 2-1/2 X 1 SCHED 5S	0		EA	1.00	

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Assemblies Included. All levels reported.

Assembly Part Number: 14060005

Part Rev: B

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Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
14060147	FLEX HOSE ASSY,NLE HELIUM SPLY	A	A	EA	1.00	
14060148	HOSE,FLEXIBLE METAL	0		EA	1.00	
14060153	TUBE ASSY,BEAM SCREEN SUPPLY	A	A	EA	1.00	
14060154	TUBE,BEAM SCREEN SUPPLY	A		EA	1.00	
14060155	ANCHOR,BEAM SCREEN SUPPLY LINE	A		EA	1.00	
14060156	CLAMP,BEAM SCREEN SUPPLY LINE	A		EA	4.00	
14060157	ELBOW,90 DEGREE	0		EA	2.00	
14060158	HOSE, FLEXIBLE, METAL	0		EA	1.00	
14060159	COMPOUND,HEAT SINK	A		OZ	0.00	
14060160	TERMINAL BOARD ASSY,PASSIVE HE	A	A	EA	2.00	
14060163	ELBOW, 45 DEGREE, 2 INCH PIPE	A		EA	1.00	
14060165	SUPPORT,TEMPERATURE SENSOR LEA	A		EA	4.00	
14060166	TERMINAL, TURRET	A		EA	16.00	
14060167	SUPPORT,HELIUM SUPPLY PIPE	A		EA	1.00	
14060168	SUPPORT, SHIELD RETURN PIPE	A		EA	1.00	
14060169-01	UPR CLP ASSY,LE,PSIV HTG SYS	B	B	EA	1.00	
14060169-02	UPR CLP ASSY,NLE,PSIV HTG SYS	B	B	EA	1.00	
14060170	TERMINAL BOARD, PASSIVE HEATIN	A		EA	2.00	
14060180	SUPPORT, BEAM SCREEN SUPPLY PI	A		EA	1.00	
14060181	CLAMP, 4.5K HELIUM SUPPLY	A		EA	1.00	
14060183	ANCHOR, PIPE SUPPORT (SHORT)	A		EA	2.00	
14060184	SUPPORT, PHASE SEPARATOR	A		EA	4.00	
14060185	CLAMP, PHASE SEPARATOR	A		EA	4.00	
14060186	TUBE ASSY,VENT (PH SEP) L.E.	A		EA	1.00	
14060187	ASSY,TUBE,1.9K TRANSFER LINE	A	A	EA	1.00	
14060189	ANCHOR, PIPE SUPPORT (LONG)	A		EA	2.00	
14060190	SUPPORT,SHIELD RETURN/VENT TRA	A		EA	5.00	
14060191	ELBOW, 45 DEGREE (MODIFIED)	A	A	EA	1.00	
14060192	TUBE,NLE PHASE SEPARATOR VENT	0		EA	1.00	
14060195	TUBE, FLANGE	A		EA	1.00	
14060196	TUBE, UNDEVELOPED LENGTH, TRAN	A	A	EA	1.00	
14060197	TUBE, FLANGE	A		EA	1.00	
14060198	FLANGE, CONFLAT	0		EA	1.00	
14060199	TEMPERATURE SENSOR,PHASE SEPAR	A		EA	4.00	

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Assemblies Included. All levels reported.

Assembly Part Number: 14060005

Part Rev: B

Part List Rev: B

Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
14060200	TUBE, FLANGE	A		EA	1.00	
14060201	FLANGE, CONFLAT	A		EA	1.00	
14060207	BELLEVILLE DISC SPRING	0		EA	4.00	
14060208	BELLEVILLE DISC SPRING	0		EA	4.00	
14060209	REFERENCE SOCKET CUP	A		EA	6.00	
14060233	BELLEVILLE DISC SPRING	0		EA	12.00	
14060238	CRADLE,BEAM SCREEN SUPPLY TUBE	A		EA	2.00	
14060239	CLAMP,BEAM SCREEN SUPPLY TUBE	A		EA	2.00	
14060240	HANGER,BEAM SCREEN SUPPLY TUBE	0		EA	2.00	
14060260-01	CABLE ASSY, PASSIVE HEATING SY	A	A	EA	2.00	
14060260-02	CABLE ASSY, PASSIVE HEATING SY	A	A	EA	2.00	
14060263	BRAID,FLAT TINNED COPPER	A		FT	2.00	
14060271	PIPE WRAPPING BLANKET	A	A	FT	0.00	
14060272	DECAL, BROOKHAVEN NATIONAL LAB	A		EA	2.00	
14060275	FLANGE,1.50 TUBE O.D. WELD	A		EA	2.00	
14060276	FLANGE,1.75 TUBE O.D WELD	A		EA	1.00	
14060284	BLANKET,INNER LEAD END,END VOL	A	A	EA	1.00	
14060285	BLANKET,OUTER LEAD END,END VOL	A	A	EA	1.00	
14060286	BLANKET,INNER NON-LE,END VOL F	A	A	EA	1.00	
14060287	BLANKET,OUTER NON-LE,END VOL F	A	A	EA	1.00	
14060288	BLANKET,INNER END VOL SURFACE	A	A	EA	1.00	
14060289	BLANKET,OUTER END VOL SURFACE	A	A	EA	1.00	
14060347	INSULATOR	A		EA	2.00	
AN565AC624H16	SCR,SET, .375-24 X 1.00	-		EA	16.00	
AN565FC816H16	SETSCR, HEX, SKT, .500-13X1.0	0		EA	12.00	
AN960-C1216	WASHER,FLAT, .750	-		EA	2.00	
AN960-C616	WASHER,FLAT, .375	-		EA	12.00	
DIN125A2M12	12 ST. ST. WASHER	0		EA	4.00	
DIN125A4M4	WASHER, FLAT	0		EA	4.00	
DIN125A4M5	WASHER, FLAT, M5	-		EA	3.00	
DIN125A4M6	WASHER, FLAT, M6	-		EA	38.00	
DIN125M6ZINC	WASHER,FLAT M6 ZINC PLATED STE	0		EA	12.00	
DIN127A2M5	WASHER, SPRING, LOCK, M5	-		EA	4.00	
DIN127A4M12	WASHER, LOCK, SPLIT, M12	0		EA	8.00	

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Assemblies Included. All levels reported.

Assembly Part Number: 14060005

Part Rev: B

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Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
DIN127A4M6	WASHER, LOCK, M6	0		EA	36.00	
DIN7380A2M5X20	SCR,SOC BTN HD,M5 X 0.8 X 20	-		EA	2.00	
DIN7380A2M5X30	SCR,SOC BTN HD,M5 X 0.8 X 30	-		EA	4.00	
DIN7380A2M5X40	SCR,SOC BTN HD,M5 X 0.8 X 40	-		EA	3.00	
DIN85A2M4X8	SCR.,PNHD.,M4X0.7X8	A	A	EA	4.00	
DIN912A2M4X16	SCR, CAP, SCH M4X0.7 X 16	-		EA	8.00	
DIN912A2M5X12	SCR,CAP,SCH, M5X0.8 X 12	-		EA	4.00	
DIN912A4M2.5X10	SCR, CAP,SCH,M2.5X 0.45X 10	0		EA	4.00	
DIN912A4M5X55	SCR, CAP SCH M5X0.8 X 55	0	0	EA	3.00	
DIN912A4M6X12	SCR, CAP, SCH, M6X1.0 X 12 LG	0		EA	8.00	
DIN912A4M6X14	SCR, CAP, SCH, M6X1.0 X 14LG	0		EA	10.00	
DIN912A4M6X25	SCR,CAP,SCH, M6X1.0 X 25	-		EA	12.00	
DIN912A4M6X30	SCR, CAP, SCH, M6X1.0 X 30	0		EA	16.00	
DIN912M6X35	SCR,CAP SCH,M6X35 LG,GRADE 12.	0		EA	12.00	
DIN915M6X16	SETSCREW,M6X16 LG,DOGPOINT BLA	0		EA	18.00	
DIN933A4M12X70	SCREW, CAP, HEX, M12X1.75 X 70	0		EA	8.00	
DIN934A2M12	12M x 1.75 ST. ST. NUT	0		EA	4.00	
DIN934A2M4	NUT, HEX M4	-		EA	8.00	
DIN934A4M12	NUT, HEX, M12X1.75	0		EA	8.00	
DIN934A4M4X0.7	NUT, HEX M4 X 0.7	0		EA	22.00	
DIN975A2M12X60	12M ST. ST. THD ROD	0		EA	32.00	
ER70S2	WELDING ROD	-		OZ	0.50	
MIL-E19933-308L	WELDING ROD	0		LB	0.00	
MIL-E19933-309L	WELDING ROD	0		LB	0.00	
MIL-M-7866	MOLYBDENUM DISULFIDE LUBRICANT	-		OZ	2.00	
MS15795-808	WASHER,FLAT, .190 ID	-		EA	4.00	
MS15795-810	WASHER,FLAT, .250	-		EA	8.00	
MS16995-51	SCR,CAP,SCH, .250-20 X .88	-		EA	4.00	
MS16995-53	SCR,CAP SCH .250-20 X 1.25	-		EA	6.00	
MS16996-16	SCR,CAP,SCH, .190-32 X 1.50	-		EA	8.00	
MS25036-153	TERMINAL LUG, CRIMP, 16-14AWG	0		EA	2.00	
MS35215-23	SCR,MACH,PNH,BRS,.138-40 X .25	-		EA	4.00	
MS35275-226	SCREW,MACHINE,FILH,CRES #6-32X	0		EA	4.00	
MS35307-306	SCR,CAP,HEX HD, .250-20 X .75	-		EA	4.00	

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Assembly Part Number: 14060005

Part Rev: B

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Description: DIPOLE MAGNET ASSY(D1) TESTED

Quantity to Build: 1

Component Part	Description	Part Rev	Part List	UM	Quantity Required	QOH
MS35307-365	SCR,CAP,HEX HD, .375-16 X 1.75	-		EA	12.00	
MS35307-369	SCR,CAP,HEX HD, .375-16 X 2.75	-		EA	36.00	
MS35308-365	SCR,CAP,HEX HD, .375-24 X 1.75	-		EA	12.00	
MS35338-136	WASHER,LOCK,SPRING, .138	-		EA	4.00	
MS35338-138	WASHER,LOCK,SPRING, .190	-		EA	12.00	
MS35338-139	WASHER,LOCK,SPRING, .250	-		EA	4.00	
MS35338-141	WASHER,LOCK,SPRING, .375	-		EA	60.00	
MS35338-146	WASHER,LOCK,SPRING, .750	-		EA	2.00	
MS35338-65	WASHER,LOCK,SPRING, .375	-		EA	60.00	
MS35650-304	NUT,PLAIN,HEX, .190-32	-		EA	16.00	
MS51945-116	RIVET,SOLID,CSKH,CU	-		EA	4.00	
MS51957-29	SCR,MACH,PNH, .138-32 X.44	-		EA	8.00	
MS51959-82	SCR,FL CSKH,82DEG,.250-20X.88	-		EA	14.00	
MS51959-83	SCR,FLHD,82, .250-20 X 1.00LG	-		EA	6.00	
MS51971-8	NUT,PLAIN,HEX,.750-10	-		EA	2.00	
MS90728-62	SCR,CAP HEX HD,.375-16 X 1.25	-		EA	24.00	
MS90728-66	SCR,CAP HEX HD,.375-16 X 2.00	-		EA	36.00	
MS9320-12	WASHER,FLAT,.375	-		EA	24.00	
MS9389-90	PIN,STR HDLS, .187 DIA X 1.0	-		EA	2.00	
NAS1593-453	PACKING PREFORMED,O-RING	-		EA	3.00	