



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV GID
E1000590-v3

SHEET 1 OF 2

ASSEMBLY NO:

D0900136-V2.

OVERALL BILL OF MATERIALS

TITLE: FARADAY ISOLATOR ASSEMBLY

	APPROVALS:	DATE:	REV	DCN NO.	BY	CHECK	DCC	DATE
DRAWN / AUTHOR: (REFERENCE CONTENTS)	CIT, CC	16-Jun-11	v3	E1000563	NK			
CHECKED:								
APPROVED:								
DCC RELEASE								

ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	REVISION	DESCRIPTION	MATERIAL
1	1		1	D0900655	V1	STRUCTURAL WELDMENT ASSY, OMC	N/A
2	1		1	D0900048	V2	MAGNET HOLDER ASSY	-
3	2		2	D0900579	V3	BLADE GUARD ASSY	-
4	1		1	D0900623	V4	FARADAY ISOLATOR TABLE ASSY	-
5	1		1	D0902845	V3	RELECTION BAFFLE	A424 TYPE I, 18 GA SSTL
6	1		1	D1002256	V2	EARTHQUAKE CROSSBAR IN ASSY	-
7	1		1	D0900170	V2	EARTHQUAKE CROSSBAR ASSY	-
8	8		8	92200A540		SHCS, 1/4-20 X 3/4" LG., (MS16995-50) McMASTER-CARR	300 SSTL
9	8		8	92200A542		SHCS, 1/4-20 X 1.00 LG., McMASTER-CARR	300 SSTL
10	2		2	92200A535		SHCS, 1/4-20 X 3/8" LG., (MS16995-47) McMASTER-CARR	300 SSTL
11	16		16	92200A194		SHCS, 8-32 X 1/2" LG., (MS16995-26) McMASTER-CARR	300 SSTL
12	2		2	D0901514	V2	BLADE CLAMP PLATFORM	6061-T6
13	12		12	92200A199		SHCS, 8-32 X 1.00" LG.	
14	2		2	D0900586	V3	UPPER WIRE ASSY	300 SSTL
15	2		2	D0900566	V2	UP BLADE CLAMP TOP	6061-T6
16	4		4	-		WASHER, FLAT, #8 (NAS 620-C8 OR EQUIVLENT)	300 SSTL
17	4		4	93235A248		SHCS, 1/4-20 X 1-1/8" LG., McMASTER-CARR	
18	4		4	1185 4EN500		1/4-20 X .500 HELI COIL, (Emhart P/N 118 4EN500)	Nitronic 60
19	1		1	D0900168	V3	CROSSBAR PLATE	6061-T6
20	2		2	D0900169	V3	CROSSBAR SIDE	6061-T6
21	2		2	92200A544		SHCS, 1/4-20 X 1-1/4" LG (MS16995-53) McMASTER-CARR	
22	4		4	NAS620-C8		WASHER, FLAT, #8 (or equivalent) McMASTER-CARR)	300 SSTL
23	4		4	92200A198		SHCS, 8-32 X 7/8" LG (McMASTER-CARR)	300 SSTL
24	1		1	D0900541	V3	F1 UPPER BLADE	MARAGI NG
25	1		1	D1002168	V2	MUSIC WIRE SPLIT CLAMP 3	304, 316 OR 302 SSTL
26	1		1	D1002169	V1	MUSIC WIRE SPLIT CLAMP 4	304, 316 OR 302 SSTL
27	1		1	D1002170	V1	LOWER MUSIC WIRE 2	STEEL
28	1		1	901451313		DOWEL PIN .031D X .312 L Mc MASTER CARR	18-8 SSTL
29	1		1	D0900541	V3	F1 UPPER BLADE	MARAGING STEEL C250
30	1		1	D1002168	V2	MUSIC WIRE SPLIT CLAMP 3	304, 316 OR 302 SSTL
31	1		1	D1002169	V1	MUSIC WIRE SPLIT CLAMP 4	304, 316 OR 302 SSTL
32	1		1	D1002170	V1	LOWER MUSIC WIRE 2	STEEL MUSIC WIRE
33	3		3	90145A313		DOWEL PIN, .031 DIA X .312" LG. (McMASTER-CARR)	18-8 SSTL
34	6		6	C-203-NA		SHCS, 2-56 X 3/16" LG. Ag-PLATED, UC COMP.	18-8 SSTL
35	2		2	D0900582	V2	MUSIC WIRE SPLIT CLAMP 1	304, 316 OR 302 SSTL



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV GID

E1000590-v3

SHEET 1 OF 2

ASSEMBLY NO:

D0900136-V2.

OVERALL BILL OF MATERIALS

TITLE: FARADAY ISOLATOR ASSEMBLY

36	2		2	D0900583	V3	MUSIC WIRE SPLIT CLAMP 2	304, 316 OR 302 SSSL
37	2		2	D0900588	V2	WIRE ADJUSTABLE ADAPTER	6061-T6 AL
38	1		1	D0900308	V4	OMC STRUCTURAL WELDMENT	6061-T6 AL
39	8		8	D0900309	V1	CORNER BRACE, OMC STRUCTURAL WELDMENT	6061-T6 AL
40	64	14	78	90585A358		CHCS, 1/4-20 X 5/8" LONG (Mc MASTER-CARR)	316 SSSL
41	56	12	68	1185-2EN328		#8-32 X .328" HELICOIL	Nitronic 60
42	1		1	D0900026	V3	MAGNET MOUNTING PLATE	6061-T6 AL
43	2		2	D0901569	V3	MAGNETIC PLATE MOUNTING BACK BRACKET	6061-T6 AL
44	1		1	D0901570	V3	MAGNETIC PLATE MOUNTING FRONT BRACKET	6061-T6 AL
45	1		1	D1002112	V2	MAGNETIC PLATE MOUNTING LOWERED BACK BRACKET	6061-T6 AL
46	2		2	D0900027	V2	COPPER PLATE	COPPER
47	8		8	94051A209		WASHER, FLAT, #8, TITANIUM	
48	8		8	95435A575		SHCS, 8-32 X .63, TITANIUM	
49	4		4	92200A198		SCREW, SCH, 8-32 X 7/8, MS16995-29, MC #9220A198	
50	1		1	D0901271	V3	BLADE GUARD CROSSPIECE	6061-T6 AL
51	2		2	D0900578	V3	BLADE GUARD RISER	6061-T6 AL
52	2		2	92200A194		SCREW, SCH, 8-32 X 1/2,, MS16995-25, MC #92200A194	
53	2		2	91240A009		NUT, HEX 8-32	300 SSSL
54	1		1	D0900991	V1	SCREW, SOCKET HEAD CAP, #8-32 UNC-3A X 1.75LG, FULLY THD	300 SSSL
55	1		1	D0900015	V3	FARADAY ISOLATOR TABLE	6061-T6 AL
56	4		4	D1001958	V2	WIRE SUPPORT BLOCK ASSY	N/A
57	1		1	D0900464	V1	ROTATOR 20mm 1064nm-VAC COMPATIBLE	UNKNOWN
58	1		1	D0900615	V4	PRISM MOUNT ASSY_RH	N/A
59	1		1	D1001918	V4	INPUT BAFFLE ASSY	N/A
60	1		1	D0900353	V2	HALF WAVE PLATE HOLDER ASSY	-
61	1		1	D0900440	V3	TFP POLARIZER PLATE ASSY	-
62	2		2	D0900778	V3	MAGNET ATTACHMENT PLATE	430F OR 430FR
63	1		1	D1001963	V2	OUTPUT ALIGNMENT PLATE	N/A
64	1		1	D0900614	V3	PRISM MOUNT ASSY_LH	N/A
65	2		2	D1002364	V2	FARADAY ISOLATOR BEAM DUMP ASSY	N/A
66	16		16	N35P500500HT		BLUNTING MAGNETICS-NEODYMIUM .TO DIA X .50L	NEO 35
67	37		37	92200A542		TABLE BALANCE WEIGHT, .75	300 SSSL
68	12		12	92200A194		SCREW, SHC, 8-32 X 1/2, MS16995-26, MC #92200A194	300 SSSL
69	1		1	D1002533	V1	OUTPUT FARADAY ISOLATOR DUMMY WEIGHT	304, 316 OR 302 SSSL
70	1		1	D1002540	V1	OUTPUT FARADAY ISOLATOR DUMMY WEIGHT (rotate)	304, 316 OR 302 SSSL
71	2		2	D0901764	V2	TABLE BALANCE WEIGHT	304, 316 OR 302 SSSL
72	4		4	D1002542	V3	TABLE BALANCE WEIGHT, .75	304, 316 OR 302 SSSL
73	2		2	90945A760		WASHER, FLAT, .25 X .47 OD, NAS 620-C416L	300 SSSL
74	2		2	91475A029		WASHER, LOCK, .25 X .49 OD	300 SSSL
75	4		4	C-816-NA		8-32 X 1, SHCS	18-8 SSSL
76	1		1	D1100629	V1	PRISM ALIGNMENT TOOL	6061-T6 AL
77	1		1	D1002257	V2	CROSSBAR PLATE_IN	6061-T6 AL
78	2		2	D0900169	V3	CROSSBAR SIDE	6061-T6 AL
79	2		2	92200A544		SCREW, SHC, .25-2- X 1.25 LG., MS16995-53, 92200A544	300 SSSL
80	4		4	NAS 620-C8		WASHER, FLAT, #8 (NAS 620-C8 OR EQUIVALENT)	300 SSSL
81	4		4	92200A198		SCREW, SHC, 8-32 X .875	300 SSSL