



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV GID
E1000269-v3

SHEET 1 OF 2

ASSEMBLY NO:

[D1001664-v4](#)

OVERALL BILL OF MATERIALS

TITLE: HAM STRUCTURE LIFT ASSEMBLY, aLIGO, SUS

	APPROVALS:	DATE:	REV	DCN NO.	BY	CHECK	DCC	DATE
DRAWN / AUTHOR: (REFERENCE CONTENTS)	CIT, KB	22-Jul-10	v1	E1000270	KB			
		9/14/2010	v2	E1000407	KB			
CHECKED:		20-Dec-10	v3	E1000875	KB			
APPROVED:								
DCC RELEASE								

ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	REVISION	DESCRIPTION	MATERIAL
1	1		1	D1001779	v2	GEAR COVER, HAM STRUCTURE LIFT	5052-H32
2	2		2	D1001778	v2	GEAR COVER SUPPORT, HAM STRUCTURE LIFT	6061-T6 Al
3	2		2	D1001777	v2	WORM SHAFT BEARING SUPPORT, HAM STRUCTURE	6061-T6 Al
4	1		1	D1001776	v2	WORM SHAFT, HAM STRUCTURE LIFT	304 SSSL
5	1		1	D1003174	v1	1"-10 START ACME LEAD SCREW, HAM STRUCTURE LIFT	304 SSSL
6	2		2	D1001774	v2	YOKE ARM, HAM STRUCTURE LIFT	6061-T6 Al
7	1		1	D1001773	v1	YOKE, HAM STRUCTURE LIFT	6061-T6 Al
8	3		3	D1001772	v1	BELLOWS SUPPORT, HAM STRUCTURE LIFT	6061-T6 Al
9	1		1	D1001771	v1	TOP BEARING SUPPORT, HAM STRUCTURE LIFT	6061-T6 Al
10	1		1	D1001770	v2	BOTTOM BEARING SUPPORT, HAM STRUCTURE LIFT	6061-T6 Al
11	4		4	D1001769	v1	GUIDE SHAFT SUPPORT, HAM STRUCTURE LIFT	304 SSSL
12	1		1	D1001768	v2	FRAME, HAM STRUCTURE LIFT	6061-T6 Al
13	1		1	D1003027	v1	12 PITCH, 20 TOOTH WORM GEAR - MODIFIED 57545K513	Cast Alloy Steel
14	8		8	9968K27		EXTERNAL RETAINING RING	316 SSSL
15	2		2	98870A100		MACHINE KEY	304 SSSL
16	4		4	98408A138		RING, RETAINING, E-STYLE, .50 SHAFT	17-7 PH SS
17	8		8	98019A399		WASHER, FLAT, 3/8, MS15795-814, MC #98019A399	18-8 SSSL
18	2		2	9741 K45		BELLOWS, ULTRA FLEXIBLE - SEALED	POLYURETHANE
19	4		4	9541K2		BUMPER, RUBBER, 3/4 DIA	SBR
20	1		1	95072A511		1"-10 START ACME NUT, LEAD SCREW, HAM STRUCTURE LIFT	Phosphor bronze
21	2		2	94975A185		.25 X 3 QUICK RELEASE PIN WITH LANYARD	18-8 SSSL
22	1		1	92373A179		1/8 DIA X 5/8 LG SLOTTED SPRING PIN	18-8 SSSL
23	8		8	92200A684		SCREW, SHC, 3/8-16 x 1 1/2, MS16995-83, MC	18-8 SSSL
24	12		12	92200A542		SCREW, SHC, 1/4-20 x 1, MS16995-52, MC	300 SSSL
25	4		4	92200A540		SCREW, SHC, 1/4-20 x 3/4, MS16995-50, MC	300 SSSL
26	28		28	92200A537		SCREW, SHC, 1/4-20 x 1/2, MS16995-48, MC	300 SSSL
27	1		1	92778A121		SCREW, EST, 10-32 x 1/2, #92778A121	18-8 SSSL
28	18		18	92200A192		SCREW, SHC, 8-32x 3/8, MS16995-25, MC	300 SSSL
29	4		4	9069T4		1" ID LINEAR BEARING	AISI 440C
30	1		1	6138K260		6138K260 SHIELDED BALL BEARING, 5/8 SHAFT DIA	A2 Tool Steel
31	1		1	60715K120		60715K120 THRUST BEARING	A2 Tool Steel
32	2		2	60715K110		60715K110 THRUST BEARING	AISI 440C
33	1		1	57545K527		12 PITCH WORM	Alloy Steel
34	1		1	1329K14		FLANGE, LEAD SCREW NUT, HAM STRUCTURE LIFT	300 SSSL
35	2		2	1144K52		HARDENED PRECISION SHAFT	Alloy Steel
36	4		4	5011T261		HOSE CLAMP, MC #5011T261	SSSL

SEE SHEET 2 FOR STRUCTURE BRACKETS & HARDWARE



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV GID
E1000269-v3

SHEET 1 OF 2

ASSEMBLY NO:

[D1001664-v4](#)

OVERALL BILL OF MATERIALS

TITLE: HAM STRUCTURE LIFT ASSEMBLY, aLIGO, SUS

HSTS STRUCTURE BRACKETS & HARDWARE							
37	2	2	D1001788	v2	HSTS LIFTING BRACKET		304 SSSL
38	2	2	D1001789	v2	HSTS LIFTING BRACKET CLAMP		304 SSSL
39	8	8	92200A537		SCREW, SHC, 1/4-20 x 1/2, MS16995-48, MC #92200A537		300 SSSL
HLTS STRUCTURE BRACKETS & HARDWARE							
40	2	2	D1001790	v2	HLTS LIFTING BRACKET		304 SSSL
41	4	4	D1001791	v2	HLTS LIFTING BRACKET CLAMP		304 SSSL
42	4	4	D1002366	v1	SCREW, CAPTIVE, SHC, 1/4-20 x 3/4		300 SSSL
OMC STRUCTURE BRACKETS & HARDWARE							
43	2	2	D1001792	v2	OMC LIFTING BRACKET		304 SSSL
44	2	2	D1001793	v1	OMC LIFTING BRACKET CLAMP		304 SSSL
45	4	4	92200A537		SCREW, SHC, 1/4-20 x 1/2, MS16995-48, MC #92200A537		300 SSSL