

4	D1100918	HAM BELLOWS GUARD	S.ST	4
3	D972610	HAM SUPPORT TUBE	N/A	2
2.2	D972611	MDC ROTATABLE DEL-SEAL FLANGE, 14in. NOM OD	304 SSSL	1
2.1	D972611	LIGO HAM EXPANSION BELLOWS CAPSULE	304 SSSL	1
2	D972611	LIGO HAM EXPANSION BELLOWS	SEE BOM	4
1.21.6	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.75 LONG	300 SSSL	5
1.21.5	-	SCREW, SOCKET HEAD CAP, #6-32 UNC-2A X 0.1875 LONG	300 SSSL	1
1.21.4	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.1875 LONG	300 SSSL	1
1.21.3	D1003361	aLIGO SEI HEPI-HAM Sliding Clamp	5052-H32	2
1.21.2	D0901060	aLIGO SEI HEPI Circuit Box	Material <not specified>	1
1.21.1	D0902370	HEPI CIRCUIT BOX MOUNTING PLATE	5052-H32	1
1.21	D0902371	HEPI-HAM CIRCUIT BOX ASSEMBLY	N/A	2
1.2	D030366-3	SUPPORT PIER LEFT, aLIGO HAM HEPI	ASTM A36 Steel	1
1.19	D020126-1	SUPPORT PIER RIGHT, aLIGO HAM HEPI	ASTM A36 Steel	1
1.18.4	HOLOKROME_72142	SCREW 1/2-20 X 2.5 LG SHCS	Alloy Steel	1
1.18.3	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	1
1.18.2	HOLOKROME_72242	SCREW 1/2-13 X 3" LG SHCS	Alloy Steel	1

1.18.1	D020270	OFFSET CLAMP RIGHT, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	1
1.18	D030369	OFFSET CLAMP ASSEMBLY RIGHT, aLIGO HEPI	SEE BOM	1
1.17.4	HOLOKROME_72142	SCREW 1/2-20 X 2.5 LG SHCS	Alloy Steel	1
1.17.3	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	1
1.17.2	HOLOKROME_72242	SCREW 1/2-13 X 3" LG SHCS	Alloy Steel	1
1.17.1	D020453	OFFSET CLAMP LEFT, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	1
1.17	D030438	OFFSET CLAMP ASSEMBLY, aLIGO HEPI	SEE BOM	1
1.16.3	HOLOKROME_72242	SCREW 1/2-13 X 3" LG SHCS	Alloy Steel	1
1.16.2	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	4
1.16.1	D020269	DOUBLE CLAMP	AISI 1018 Steel, Cold Rolled	1
1.16	D030367	DOUBLE CLAMP ASSEMBLY. aLIGO HEPI	SEE BOM	4
1.15.4	HOLOKROME_72142	SCREW 1/2-20 X 2.5 LG SHCS	Alloy Steel	1
1.15.3	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	1
1.15.2	HOLOKROME_72242	SCREW 1/2-13 X 3" LG SHCS	Alloy Steel	1
1.15.1	D020271	STRAIGHT CLAMP	AISI 1018 Steel, Cold Rolled	1
1.15	D1100529	STRAIGHT CLAMP ASSEMBLY, aLIGO HEPI	SEE BOM	2
1.14	D080699	Crossbeam Washer Plate #2	303/304 SS	8
1.13	D080698	Crossbeam Washer Plate #1	303/304 SS	4
1.12	HOLOKROME_78120	SHCS, 1/2"-13x2.0"	300 SSTL	40
1.11	D080700	Crossbeam Washer Disc	303/304 SS	8
1.1	HOLOKROME_78114	SCREW, 1/2-13 X 1.25 LG, SCHS	18-8 SS	16

1.9	BOKER FLAT WASHER	WASHER 1.25 OD X .508 ID X .048-.062 THK	302 SSSL	8
1.8	McMaster_92146A033	Split Lock Washer 1/2	18-8 SSSL	8
1.7	McMaster_91274A488	Screw, SHCS 1/2-13 x 3.75 Alloy Steel_Black oxide	Alloy Steel	8
1.6.14	D1100516	HAM HEPI CLAMP SHIM, aLIGO HAM	304, 316 OR 302 SSSL	1
1.6.13	MSC_87925996	hex head screw 1/4-20 x 3/8 lg	18-8 SSSL	2
1.6.12	HOLOKROME_79020	SHCS, #10-32x.50"	18-8 SS	1
1.6.11	D1000480	Clamp Screw Guard, HAM Support Tube	PTFE	1
1.6.10	Holokrome_72234	Screw, 1/2-13 x 2.0" SHCS	Alloy Steel	4
1.6.9	Holokrome_72238	Screw, 1/2-13 x 2.5" SHCS	Alloy Steel	4
1.6.8	MCMMASTER_98017A210	Flat Washer, 1/2" Screw, .51"x.88"x.06"	AISI 304	8
1.6.7	Holokrome_72246	Screw 1/2-13 x 3.5" SHCS	Alloy Steel	4
1.6.6	MCMMASTER_9713K78	Belleville Washer, .567"IDx1.125"ODx.038", .018" Defl.	302 SS	6
1.6.5	D080378	Clamp Sleeve, HAM Support Tube	2024-T351 AL	1
1.6.4	D080377	Clamp Washer Plate, HAM Support Tube	17-4 PH SSSL, H 1150	1
1.6.3	D080376	Clamp Preload, HAM Support Tube	6061-T6 AL	1
1.6.2	D080374	Clamp Base, HAM Support Tube	303 SSSL	1
1.6.1	D080375	Clamp Cap, HAM Support Tube	6061-T6 AL	1
1.6	D080373	Clamp Asm, HAM Support Tube	SEE BOM	2
1.5.23	MSC_76588631	SCREW, 1/2-13 X 1.125 LG, SCHS	Alloy Steel	8
1.5.22	HOLOKROME_73130	SHCS 1/2-20 x 1.00	Alloy Steel	20
1.5.21	D1100316	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 2, aLIGO HEPI	AISI 1018 Steel Cold Rolled	2

1.5.20	D1100319	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 2, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.5.19	D1100473	UNIFIED HYDRAULIC ACTUATOR BRACKET, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.5.18	D1100315	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 1, aLIGO HEPI	AISI 1018 Steel Cold Rolled	3
1.5.17	D1100318	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 1, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.5.16	McMASTER_92965A624	HEX SCREW 3/8-16 X 1" LG.	Alloy Steel	12
1.5.15	McMASTER_97416A127	WASHER .406 ID X .813 OD X (.05-.08) THK	Alloy Steel	12
1.5.14	MCMaster_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	12
1.5.13	HOLOKROME_78114	SCREW, 1/2-13 X 1.25 LG, SCHS	18-8 SS	4
1.5.12	HOLOKROME_73132	SHCS 1/2-20 x 1.25	Alloy Steel	17
1.5.11	MSC_67007768	SCREW 1/2-20 x 1.5, SHCS	Alloy Steel	3
1.5.10	MCMaster_98017A210	Flat Washer, 1/2" Screw, .51"x.88"x.06"	AISI 304	6
1.5.9	D1100474	UNIFIED HYDRAULIC ACTUATOR SHIM, aLIGO HEPI	6061-T6 Al	1
1.5.8	D020332	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, LEFT PANEL	ASTM A519 Steel	1
1.5.7	D030694	Horizontal Angle Mount Backup Plate Hydraulic Isolator	ASTM A36 Steel	1

1.5.6	D020016	Horizontal Angle Mount Hydraulic Isolator	ASTM A36 Steel	1
1.5.5.10	McMASTER_90945A761	WASHER .26 ID X .47 OD X .06-.07 THK (NAS 620-C416)	300 SSSL	3
1.5.5.9	HOLOKROME_73066	SCREW, 1/4-28 X 1.25 LG. SHCS	Plain Carbon Steel	3
1.5.5.8.2	D1100256	HEPI SPHERICAL CONVEX WASHER, aLIGO HAM	Alloy Steel	1
1.5.5.8.1	D1100255	HEPI SPHERICAL CONCAVE WASHER, aLIGO HAM	Alloy Steel	1
1.5.5.8	D1100254	HEPI SPHERICAL WASHER SET, aLIGO HAM	ALLOY STEEL	1
1.5.5.7.2	McMaster_91944A490	Spherical Washer Concave Side	18-8 SSSL	1
1.5.5.7.1	McMASTER_91944A490	SPHERICAL WASHER CONVEX SIDE	18-8 SSSL	1
1.5.5.7	McMaster_91944A490	SPHERICAL WASHER SET	18-8 S.ST.	2
1.5.5.6	D030786	HEPI SPRING NUT	AISI 4140 Steel	3
1.5.5.5	McMASTER_5909K15	THRUST NEEDLE ROLLER BEARING	Alloy Steel	1
1.5.5.4	McMASTER_5909A75	THRUST BEARING WASHER	Alloy Steel	2
1.5.5.3	THD-2K-Y	STRAIN GAGE LOAD CELL	Material <not specified>	1
1.5.5.2	D020002-01	HEPI Offload Spring Cap	AISI 1020 Steel, Cold Rolled	1
1.5.5.1.2	D020407-01	DOUBLE START COUNTERWOUND SPRING CONNECTOR, aLIGO HAM	AISI 4340 Steel, normalized	2

1.5.5.1.1	D020406	DOUBLE START COUNTERWOUND SPRING	MARAGING 300	1
1.5.5.1	D020408-01	DOUBLE START COUNTERWOUND SPRING ASM, aLIGO HAM	SEE PRINT BOM	1
1.5.5	D1003359	HEPI SPRING ASSEMBLY, HAM, aLIGO SEI	SEE BOM	2
1.5.4	D020329	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, RIGHT, ACTUATOR	ASTM A519 Steel	1
1.5.3.12	MCMASTER_92311A640	Set Screw	18-8 SS	6
1.5.3.11	MCMASTER_92311A642	Set Screw	18-8 SS	6
1.5.3.10	MCMASTER_90126A029	Flat Washer, .28 id x .63 od x .05-.08 thk	Plain Carbon Steel	18
1.5.3.9	HOLOKROME_78062	SHCS, 1/4"-20x1.0"	18-8 SS	18
1.5.3.8	HOLOKROME_78114	SCREW, 1/2-13 X 1.25 LG, SCHS	18-8 SS	14
1.5.3.7	MCMASTER_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	18
1.5.3.6	D080493	HAM HEPI Caging Rear Plate	AISI 1018 Steel, Cold Rolled	1
1.5.3.5	D080495	HAM HEPI Caging Side Cap	Plain Carbon Steel	6
1.5.3.4	D080494	HAM HEPI Caging F-Clamp	AISI 1018 Steel, Cold Rolled	3

1.5.3.3	D080492	HAM HEPI CAGING FRONT PLATE	AISI 1018 Steel, Cold Rolled	1
1.5.3.2	D080491-01	CAGING BRACE, FRONT-LEFT / REAR-RIGHT, aLIGO HEPI HAM	AISI 1018 Steel, Cold Rolled	2
1.5.3.1	D080491-00	CAGING BRACE FRONT-RIGHT / REAR-LEFT, aLIGO HEPI HAM	AISI 1018 Steel, Cold Rolled	2
1.5.3	D080496	HAM HEPI CAGING ASSEMBLY	SEE BOM	1
1.5.2.13	McMASTER_92196A553	SCREW 1/4-20 X 2 3/4 LG SHCS, 1"TO FULLY THREADED	18-8 SSSL	4
1.5.2.12	McMASTER_92311A747	SET SCREW, CUP POINT, 1/2-20 X 1.75 LG.	18-8 SSSL	3
1.5.2.11	D080548	HAM HEPI Horz Actuator Adapter 2	AISI 1020 Steel, Cold Rolled	1
1.5.2.10	McMASTER_92196A387	SCREW 1/2-20 X 1 1/2 LG SCHS	18-8 SSSL	6
1.5.2.9	D080547	HAM HEPI Horz Actuator Adapter 1	AISI 1020 Steel, Cold Rolled	1
1.5.2.8	L-4C	SEISMOMETER ASSEMBLY	SEE BOM	2
1.5.2.7	1185-4EN500	HELICOIL 1/4-20 X 2DIA	NITRONIC 60	6
1.5.2.6	HOLOKROME 78066	SCREW 1/4-20 X 1 1/2 LG SHCS	18-8 SSSL	6
1.5.2.5	McMASTER_90126A029	WASHER .281 ID X .63 OD X .05-0.8 THK	Alloy Steel	10
1.5.2.4	D030586	HEPI L4-C Mount	6061-T6 Al	2
1.5.2.3	HOLOKROME_78100	SCREW, 3/8-16 X 1 1/4 LG, SHCS	18-8 SSSL	6

1.5.2.2	D080546	HAM HEPI VERT L4-C ADAPTOR	AISI 1018 Steel, Cold Rolled	1
1.5.2.1	D020195-02	HEPI CROSSBEAM FOOT RIGHT, aLIGO HAM	Low Carbon Steel	1
1.5.2	D1100147	HEPI CROSSBEAM ATTACHMENT, aLIGO HAM RIGHT	SEE BOM	1
1.5.1	D020004	HOUSING HYDRAULIC ASSEMBLY	ASTM A36 Steel	1
1.5	D1100146	HEPI MAIN SUPPORT ASSEMBLY, aLIGO HAM RIGHT	SEE BOM	1
1.4.4	D080461	HAM Crossbeam Connector Gusset	ASTM A36 Steel	7
1.4.3	D080460	HAM Crossbeam Connector Mount Plate	ASTM A36 Steel	1
1.4.2	D080458	HAM Crossbeam Connector Tube	A500 Grade B Steel	1
1.4.1	D080459	HAM Crossbeam Connector HEPI Plate	ASTM A36 Steel	1
1.4	D080462	HAM Crossbeam Connector Weldment	See BOM	2
1.3	D080465	HAM Crossbeam HEPI Adapter	AISI 1018 Steel, Cold Rolled	2
1.2.23	MSC_76588631	SCREW, 1/2-13 X 1.125 LG, SCHS	Alloy Steel	8
1.2.22	MSC_67007768	SCREW 1/2-20 x 1.5, SHCS	Alloy Steel	3
1.2.21	HOLOKROME_73130	SHCS 1/2-20 x 1.00	Alloy Steel	20

1.2.20	D1100316	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 2, aLIGO HEPI	AISI 1018 Steel Cold Rolled	1
1.2.19	D1100473	UNIFIED HYDRAULIC ACTUATOR BRACKET, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.2.18	D1100319	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 2, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.2.17	D1100318	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 1, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.2.16	D1100315	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 1, aLIGO HEPI	AISI 1018 Steel Cold Rolled	4
1.2.15	McMASTER_92965A624	HEX SCREW 3/8-16 X 1" LG.	Alloy Steel	12
1.2.14	McMASTER_97416A127	WASHER .406 ID X .813 OD X (.05-.08) THK	Alloy Steel	12
1.2.13	MCMMASTER_98017A210	Flat Washer, 1/2" Screw, .51"x.88"x.06"	AISI 304	6
1.2.12	MCMMASTER_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	12
1.2.11	D020016	Horizontal Angle Mount Hydraulic Isolator	ASTM A36 Steel	1
1.2.10	D030694	Horizontal Angle Mount Backup Plate Hydraulic Isolator	ASTM A36 Steel	1
1.2.9	HOLOKROME_73132	SHCS 1/2-20 x 1.25	Alloy Steel	17
1.2.8	HOLOKROME_78114	SCREW, 1/2-13 X 1.25 LG, SCHS	18-8 SS	4

1.2.7	D1100474	UNIFIED HYDRAULIC ACTUATOR SHIM, aLIGO HEPI	6061-T6 Al	1
1.2.6.10	McMASTER_90945A761	WASHER .26 ID X .47 OD X .06-.07 THK (NAS 620-C416)	300 SSTL	3
1.2.6.9	HOLOKROME_73066	SCREW, 1/4-28 X 1.25 LG. SHCS	Plain Carbon Steel	3
1.2.6.8.2	D1100256	HEPI SPHERICAL CONVEX WASHER, aLIGO HAM	Alloy Steel	1
1.2.6.8.1	D1100255	HEPI SPHERICAL CONCAVE WASHER, aLIGO HAM	Alloy Steel	1
1.2.6.8	D1100254	HEPI SPHERICAL WASHER SET, aLIGO HAM	ALLOY STEEL	1
1.2.6.7.2	McMaster_91944A490	Spherical Washer Concave Side	18-8 SSTL	1
1.2.6.7.1	McMASTER_91944A490	SPHERICAL WASHER CONVEX SIDE	18-8 SSTL	1
1.2.6.7	McMaster_91944A490	SPHERICAL WASHER SET	18-8 S.ST.	2
1.2.6.6	D030786	HEPI SPRING NUT	AISI 4140 Steel	3
1.2.6.5	McMASTER_5909K15	THRUST NEEDLE ROLLER BEARING	Alloy Steel	1
1.2.6.4	McMASTER_5909A75	THRUST BEARING WASHER	Alloy Steel	2
1.2.6.3	THD-2K-Y	STRAIN GAGE LOAD CELL	Material <not specified>	1
1.2.6.2	D020002-01	HEPI Offload Spring Cap	AISI 1020 Steel, Cold Rolled	1
1.2.6.1.2	D020407-01	DOUBLE START COUNTERWOUND SPRING CONNECTOR, aLIGO HAM	AISI 4340 Steel, normalized	2

1.2.6.1.1	D020406	DOUBLE START COUNTERWOUND SPRING	MARAGING 300	1
1.2.6.1	D020408-01	DOUBLE START COUNTERWOUND SPRING ASM, aLIGO HAM	SEE PRINT BOM	1
1.2.6	D1003359	HEPI SPRING ASSEMBLY, HAM, aLIGO SEI	SEE BOM	2
1.2.5	D020330	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, RIGHT, PANEL	ASTM A519 Steel	1
1.2.4	D020331	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, LEFT, ACTUATOR	ASTM A519 Steel	1
1.2.3.12	MCMASTER_92311A640	Set Screw	18-8 SS	6
1.2.3.11	MCMASTER_92311A642	Set Screw	18-8 SS	6
1.2.3.10	MCMASTER_90126A029	Flat Washer, .28 id x .63 od x .05-.08 thk	Plain Carbon Steel	18
1.2.3.9	HOLOKROME_78062	SHCS, 1/4"-20x1.0"	18-8 SS	18
1.2.3.8	HOLOKROME_78114	SCREW, 1/2-13 X 1.25 LG, SCHS	18-8 SS	14
1.2.3.7	MCMASTER_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	18
1.2.3.6	D080493	HAM HEPI Caging Rear Plate	AISI 1018 Steel, Cold Rolled	1
1.2.3.5	D080495	HAM HEPI Caging Side Cap	Plain Carbon Steel	6

1.2.3.4	D080494	HAM HEPI Caging F-Clamp	AISI 1018 Steel, Cold Rolled	3
1.2.3.3	D080492	HAM HEPI CAGING FRONT PLATE	AISI 1018 Steel, Cold Rolled	1
1.2.3.2	D080491-01	CAGING BRACE, FRONT-LEFT / REAR-RIGHT, aLIGO HEPI HAM	AISI 1018 Steel, Cold Rolled	2
1.2.3.1	D080491-00	CAGING BRACE FRONT-RIGHT / REAR-LEFT, aLIGO HEPI HAM	AISI 1018 Steel, Cold Rolled	2
1.2.3	D080496	HAM HEPI CAGING ASSEMBLY	SEE BOM	1
1.2.2.13	McMASTER_92196A553	SCREW 1/4-20 X 2 3/4 LG SHCS, 1"TO FULLY THREADED	18-8 SSTL	4
1.2.2.12	McMASTER_92311A747	SET SCREW, CUP POINT, 1/2-20 X 1.75 LG.	18-8 SSTL	3
1.2.2.11	D080548	HAM HEPI Horz Actuator Adapter 2	AISI 1020 Steel, Cold Rolled	1
1.2.2.10	McMASTER_92196A387	SCREW 1/2-20 X 1 1/2 LG SCHS	18-8 SSTL	6
1.2.2.9	D080547	HAM HEPI Horz Actuator Adapter 1	AISI 1020 Steel, Cold Rolled	1
1.2.2.8	L-4C	SEISMOMETER ASSEMBLY	SEE BOM	2
1.2.2.7	1185-4EN500	HELICOIL 1/4-20 X 2DIA	NITRONIC 60	7
1.2.2.6	HOLOKROME 78066	SCREW 1/4-20 X 1 1/2 LG SHCS	18-8 SSTL	6
1.2.2.5	McMASTER_90126A029	WASHER .281 ID X .63 OD X .05-0.8 THK	Alloy Steel	10

1.2.2.4	D030586	HEPI L4-C Mount	6061-T6 Al	2
1.2.2.3	HOLOKROME_78100	SCREW, 3/8-16 X 1 1/4 LG, SHCS	18-8 SSSL	6
1.2.2.2	D080546	HAM HEPI VERT L4-C ADAPTOR	AISI 1018 Steel, Cold Rolled	1
1.2.2.1	D020195-03	HEPI CROSSBEAM FOOT LEFT, aLIGO HAM	Low Carbon Steel	1
1.2.2	D1100145	HEPI CROSSBEAM ATTACHMENT, aLIGO HAM LEFT	SEE BOM	1
1.2.1	D020004	HOUSING HYDRAULIC ASSEMBLY	ASTM A36 Steel	1
1.2	D1100144	HEPI MAIN SUPPORT ASSEMBLY, aLIGO HAM LEFT	SEE BOM	1
1.1.3	D080455	HAM Crossbeam Mounting Flange	ASTM A36 Steel	2
1.1.2	D080454	HAM Crossbeam Clamp Plate	ASTM A36 Steel	2
1.1.1	D080453	HAM Straight Crossbeam Tube	A500 Grade B Steel	1
1.1	D080456	HAM Straight Crossbeam Weldment	See BOM	1
1	D040002	HEPI TOP LEVEL ASSEMBLY, aLIGO HAM	N/A	2