

5	D980239	BSC BELLOWS GUARD	S.ST	4
4	D972121	BSC SUPPORT TUBE	N/A	2
3	D972122	BSC EXPANSION BELLOWS ASSEMBLY	SEE BOM	4
2	D980239	BELLOWS GUARD, HEPI, aLIGO BSC	304, 316 OR 302 SSTL	4
1.15	D030700-2	HEPI HEIGHT ADJUSTMENT SHIMS, aLIGO BSC	AISI 1018 Steel, Cold Rolled	2
1.14	D030700-1	HEPI HEIGHT ADJUSTMENT SHIMS, aLIGO BSC	AISI 1018 Steel, Cold Rolled	2
1.13.4	HOLOKROME_72142	SCREW 1/2-20 X 2.5 LG SHCS	Alloy Steel	1
1.13.3	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	1
1.13.2	HOLOKROME_72242	SCREW 1/2-13 X 3" LG SHCS	Alloy Steel	1
1.13.1	D020453	OFFSET CLAMP LEFT, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	1
1.13	D030438	OFFSET CLAMP ASSEMBLY, aLIGO HEPI	SEE BOM	1
1.12.4	HOLOKROME_72142	SCREW 1/2-20 X 2.5 LG SHCS	Alloy Steel	1
1.12.3	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	1
1.12.2	HOLOKROME_72242	SCREW 1/2-13 X 3" LG SHCS	Alloy Steel	1
1.12.1	D020270	OFFSET CLAMP RIGHT, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	1
1.12	D030369	OFFSET CLAMP ASSEMBLY RIGHT, aLIGO HEPI	SEE BOM	1
1.11.4	HOLOKROME_72142	SCREW 1/2-20 X 2.5 LG SHCS	Alloy Steel	1
1.11.3	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	1
1.11.2	HOLOKROME_72242	SCREW 1/2-13 X 3" LG SHCS	Alloy Steel	1
1.11.1	D020271	STRAIGHT CLAMP	AISI 1018 Steel, Cold Rolled	1
1.11	D1100529	STRAIGHT CLAMP ASSEMBLY, aLIGO HEPI	SEE BOM	2
1.10.3	HOLOKROME_72242	SCREW 1/2-13 X 3" LG SHCS	Alloy Steel	1
1.10.2	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	4

1.10.1	D020269	DOUBLE CLAMP	AISI 1018 Steel, Cold Rolled	1
1.1	D030367	DOUBLE CLAMP ASSEMBLY. aLIGO HEPI	SEE BOM	4
1.9.5	HOLOKROME_730003160	SCREW, 3/4-16 X 3" LG SHCS	Alloy Steel	4
1.9.4	92196A417	5/8-18 X 4 SHCS	18-8 SSTL	4
1.9.3	D972123	Ligo BSC Support Tube Spherical Mnt	Plain Carbon Steel	1
1.9.2	D972124	Ligo BSC Support Tube Mnt Cap	A356-T6	1
1.9.1	D972125	Ligo BSC Support Tube Mnt Base	A356-T6	1
1.9	D1100612	SUPPORT TUBE CLAMP ASSY, aLIGO HEPI BSC	SEE BOM	2
1.8	D972128-3	BSC SUPPORT PIER LLO, aLIGO HEPI BSC	ASTM A36 Steel	2
1.7.25	D1100474	UNIFIED HYDRAULIC ACTUATOR SHIM, aLIGO HEPI	6061-T6 Al	1
1.7.24	McMASTER_92965A624	HEX SCREW 3/8-16 X 1" LG.	Alloy Steel	12
1.7.23	McMASTER_97416A127	WASHER .406 ID X .813 OD X (.05-.08) THK	Alloy Steel	12
1.7.22	D020008	CROSSBEAM ATTACHMENT PLATE, aLIGO HEPI BSC	AISI 1018 Steel, Cold Rolled	1
1.7.21	HOLOKROME_78100	SCREW, 3/8-16 X 1 1/4 LG, SHCS	18-8 SSTL	6
1.7.20	D1100316	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 2, aLIGO HEPI	AISI 1018 Steel Cold Rolled	2
1.7.19	D1100473	UNIFIED HYDRAULIC ACTUATOR BRACKET, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.7.18	D1100319	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 2, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.7.17	D1100318	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 1, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.7.16	D1100315	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 1, aLIGO HEPI	AISI 1018 Steel Cold Rolled	3
1.7.15	HOLOKROME_73130	SHCS 1/2-20 x 1.00	Alloy Steel	20

1.7.14	D020016	Horizontal Angle Mount Hydraulic Isolator	ASTM A36 Steel	1
1.7.13	D020332	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, LEFT PANEL	ASTM A519 Steel	1
1.7.12	D020329	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, RIGHT, ACTUATOR	ASTM A519 Steel	1
1.7.11	D030694	Horizontal Angle Mount Backup Plate Hydraulic Isolator	ASTM A36 Steel	1
1.7.10	HOLOKROME_73132	SHCS 1/2-20 x 1.25	Alloy Steel	17
1.7.9	HOLOKROME_78114	SCREW, 1/2-13 X 1.25 LG, SHCS	18-8 SS	4
1.7.8	MCMaster_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	4
1.7.7	MSC_67007768	SCREW 1/2-20 x 1.5, SHCS	Alloy Steel	3
1.7.6	MCMaster_98017A210	Flat Washer, 1/2" Screw, .51"x.88"x.06"	AISI 304	6
1.7.5	D020011	Spherical Washer Housing	AISI 1018 Steel Cold Rolled	1
1.7.4.12	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	3
1.7.4.11	McMASTER_98023A033	FLAT WASHER , 531 ID X 1.063 OD.	AISI 304	3
1.7.4.10	HOLOKROME_73066	SCREW, 1/4-28 X 1.25 LG. SHCS	Plain Carbon Steel	3
1.7.4.9	D030786	HEPI SPRING NUT	AISI 4140 Steel	3
1.7.4.8	McMASTER_5909K15	THRUST NEEDLE ROLLER BEARING	Alloy Steel	1
1.7.4.7	McMASTER_5909A75	THRUST BEARING WASHER	Alloy Steel	2
1.7.4.6	THD-3K-Y	STRAIN GAGE LOAD CELL	Material <not specified>	1
1.7.4.5	McMASTER_97063A134	WASHER, 2" ID X 3"OD X .075 THK	AISI 1020	1
1.7.4.4.2	McMaster_91944A490	Spherical Washer Concave Side	18-8 SSTL	1
1.7.4.4.1	McMASTER_91944A490	SPHERICAL WASHER CONVEX SIDE	18-8 SSTL	1
1.7.4.4	McMaster_91944A490	SPHERICAL WASHER SET	18-8 S.ST.	2
1.7.4.3	D020002-00	HEPI Offload Spring Cap	AISI 1020 Steel, Cold Rolled	1
1.7.4.2.2	D020407-00	DOUBLE START COUNTERWOUND SPRING CONNECTOR, aLIGO BSC	AISI 4340 Steel, normalized	2

1.7.4.2.1	D020406	DOUBLE START COUNTERWOUND SPRING	MARAGING 300	1
1.7.4.2	D020408-00	DOUBLE START COUNTERWOUND SPRING ASM, aLIGO BSC	SEE PRINT BOM	1
1.7.4.1	D020001	SPRING ADJUSTMENT PLATE, PRE-ISOLATOR	GRADE 01 OIL-HARDEN STEEL	1
1.7.4	D030320	HEPI SPRING ASSEMBLY, aLIGO BSC	N/A	2
1.7.3.11	HOLOKROME_72092	SCREW 1/4-20 x 1/2 LG. SHCS	Alloy Steel	3
1.7.3.10	D030323	Vertical Actuator Crossbeam Foot Interface	6061-T6 Al	1
1.7.3.9	HOLOKROME_78028	Screw, 8-32 x .50 lg SHCS	18-8 SS	4
1.7.3.8	HOLOKROME_78066	SCREW 1/4-20 X 1 1/2 LG SHCS	18-8 SSSL	3
1.7.3.7	McMASTER_90126A029	WASHER .281 ID X .63 OD X .05-0.8 THK	Alloy Steel	5
1.7.3.6	McMASTER_92196A553	SCREW 1/4-20 X 2 3/4 LG SHCS, 1" TO FULLY THREADED	18-8 SSSL	2
1.7.3.5	005310-002-0	SERCEL L-4C 1.0 Hz SEISMOMETER, HORIZONTAL		1
1.7.3.4	D030586	HEPI L4-C Mount	6061-T6 Al	1
1.7.3.3	D030325	BSC, L-4C CLAMP, aLIGO HEPI	6061-T6 Al	1
1.7.3.2	005310-001-0	SERCEL L-4C 1.0 Hz SEISMOMETER, VERTICAL		1
1.7.3.1	D020195-00	HEPI CROSSBEAM FOOT RIGHT, aLIGO BSC	Low Carbon Steel	1
1.7.3	D1100306	HEPI CROSSBEAM ATTACHMENT, aLIGO BSC RIGHT	N/A	1
1.7.2.7	McMASTER_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	8
1.7.2.6	McMaster_92316A750	1/2"-20 x 1-1/4" Grade 8 Hex-flange Cap Screw Full Thd	Plain Carbon Steel	8
1.7.2.5	McMaster_92316A758	1/2"-20 x 1-3/4" Grade 8 Hex-flange Cap Screw Full Thd	Plain Carbon Steel	8

1.7.2.4	D020249	BRACE RIGHT PRE-ISOLATOR ASSEMBLY	AISI 1018 Steel, Cold Rolled	2
1.7.2.3	D020276	BRACE LEFT, PRE-ISOLATOR ASSEMBLY	AISI 1018 Steel, Cold Rolled	2
1.7.2.2	D020250	FRONT PLATE, PRE-ISOLATOR ASSEMBLY	AISI 1018 Steel, Cold Rolled	1
1.7.2.1	D020279	REAR PLATE, PRE-ISOLATOR ASSEMBLY	AISI 1018 Steel, Cold Rolled	1
1.7.2	D030322	CAGING BRACE ASSY	N/A	1
1.7.1	D020004	HOUSING HYDRAULIC ASSEMBLY	ASTM A36 Steel	1
1.7	D1100242	HEPI MAIN SUPPORT ASSEMBLY, aLIGO BSC LEFT	SEE BOM	1
1.6.25	McMASTER_92965A624	HEX SCREW 3/8-16 X 1" LG.	Alloy Steel	12
1.6.24	McMASTER_97416A127	WASHER .406 ID X .813 OD X (.05-.08) THK	Alloy Steel	12
1.6.23	D020008	CROSSBEAM ATTACHMENT PLATE, aLIGO HEPI BSC	AISI 1018 Steel, Cold Rolled	1
1.6.22	HOLOKROME_78100	SCREW, 3/8-16 X 1 1/4 LG, SHCS	18-8 SSTL	6
1.6.21	D1100316	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 2, aLIGO HEPI	AISI 1018 Steel Cold Rolled	2
1.6.20	D1100473	UNIFIED HYDRAULIC ACTUATOR BRACKET, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.6.19	D1100319	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 2, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.6.18	D1100318	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 1, aLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
1.6.17	D1100315	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 1, aLIGO HEPI	AISI 1018 Steel Cold Rolled	3
1.6.16	HOLOKROME_73130	SHCS 1/2-20 x 1.00	Alloy Steel	20
1.6.15	D1100474	UNIFIED HYDRAULIC ACTUATOR SHIM, aLIGO HEPI	6061-T6 Al	1

1.6.14	D020016	Horizontal Angle Mount Hydraulic Isolator	ASTM A36 Steel	1
1.6.13	D020330	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, RIGHT, PANEL	ASTM A519 Steel	1
1.6.12	D020331	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, LEFT, ACTUATOR	ASTM A519 Steel	1
1.6.11	D030694	Horizontal Angle Mount Backup Plate Hydraulic Isolator	ASTM A36 Steel	1
1.6.10	HOLOKROME_73132	SHCS 1/2-20 x 1.25	Alloy Steel	17
1.6.9	HOLOKROME_78114	SCREW, 1/2-13 X 1.25 LG, SHCS	18-8 SS	4
1.6.8	MCMaster_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	4
1.6.7	MCMaster_98017A210	Flat Washer, 1/2" Screw, .51"x.88"x.06"	AISI 304	6
1.6.6	MSC_67007768	SCREW 1/2-20 x 1.5, SHCS	Alloy Steel	3
1.6.5	D020011	Spherical Washer Housing	AISI 1018 Steel Cold Rolled	1
1.6.4.12	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	3
1.6.4.11	McMASTER_98023A033	FLAT WASHER , 531 ID X 1.063 OD.	AISI 304	3
1.6.4.10	HOLOKROME_73066	SCREW, 1/4-28 X 1.25 LG. SHCS	Plain Carbon Steel	3
1.6.4.9	D030786	HEPI SPRING NUT	AISI 4140 Steel	3
1.6.4.8	McMASTER_5909K15	THRUST NEEDLE ROLLER BEARING	Alloy Steel	1
1.6.4.7	McMASTER_5909A75	THRUST BEARING WASHER	Alloy Steel	2
1.6.4.6	THD-3K-Y	STRAIN GAGE LOAD CELL	Material <not specified>	1
1.6.4.5	McMASTER_97063A134	WASHER, 2" ID X 3"OD X .075 THK	AISI 1020	1
1.6.4.4.2	McMaster_91944A490	Spherical Washer Concave Side	18-8 SSTL	1
1.6.4.4.1	McMASTER_91944A490	SPHERICAL WASHER CONVEX SIDE	18-8 SSTL	1
1.6.4.4	McMaster_91944A490	SPHERICAL WASHER SET	18-8 S.ST.	2
1.6.4.3	D020002-00	HEPI Offload Spring Cap	AISI 1020 Steel, Cold Rolled	1
1.6.4.2.2	D020407-00	DOUBLE START COUNTERWOUND SPRING CONNECTOR, aLIGO BSC	AISI 4340 Steel, normalized	2

1.6.4.2.1	D020406	DOUBLE START COUNTERWOUND SPRING	MARAGING 300	1
1.6.4.2	D020408-00	DOUBLE START COUNTERWOUND SPRING ASM, aLIGO BSC	SEE PRINT BOM	1
1.6.4.1	D020001	SPRING ADJUSTMENT PLATE, PRE-ISOLATOR	GRADE 01 OIL-HARDEN STEEL	1
1.6.4	D030320	HEPI SPRING ASSEMBLY, aLIGO BSC	N/A	2
1.6.3.11	HOLOKROME_72092	SCREW 1/4-20 x 1/2 LG. SHCS	Alloy Steel	3
1.6.3.10	D030323	Vertical Actuator Crossbeam Foot Interface	6061-T6 Al	1
1.6.3.9	HOLOKROME_78028	Screw, 8-32 x .50 lg SHCS	18-8 SS	4
1.6.3.8	HOLOKROME 78066	SCREW 1/4-20 X 1 1/2 LG SHCS	18-8 SSSL	3
1.6.3.7	McMASTER_90126A029	WASHER .281 ID X .63 OD X .05-0.8 THK	Alloy Steel	5
1.6.3.6	McMASTER_92196A553	SCREW 1/4-20 X 2 3/4 LG SHCS, 1"TO FULLY THREADED	18-8 SSSL	2
1.6.3.5	005310-002-0	SERCEL L-4C 1.0 Hz SEISMOMETER, HORIZONTAL		1
1.6.3.4	D030586	HEPI L4-C Mount	6061-T6 Al	1
1.6.3.3	D030325	BSC, L-4C CLAMP, aLIGO HEPI	6061-T6 Al	1
1.6.3.2	005310-001-0	SERCEL L-4C 1.0 Hz SEISMOMETER, VERTICAL		1
1.6.3.1	D020195-01	HEPI CROSSBEAM FOOT LEFT, aLIGO BSC	Low Carbon Steel	1
1.6.3	D1100305	Default	N/A	1
1.6.2.7	MCMaster_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	8
1.6.2.6	McMaster_92316A750	1/2"-20 x 1-1/4" Grade 8 Hex-flange Cap Screw Full Thd	Plain Carbon Steel	8
1.6.2.5	McMaster_92316A758	1/2"-20 x 1-3/4" Grade 8 Hex-flange Cap Screw Full Thd	Plain Carbon Steel	8
1.6.2.4	D020249	BRACE RIGHT PRE-ISOLATOR ASSEMBLY	AISI 1018 Steel, Cold Rolled	2

1.6.2.3	D020276	BRACE LEFT, PRE-ISOLATOR ASSEMBLY	AISI 1018 Steel, Cold Rolled	2
1.6.2.2	D020250	FRONT PLATE, PRE-ISOLATOR ASSEMBLY	AISI 1018 Steel, Cold Rolled	1
1.6.2.1	D020279	REAR PLATE, PRE-ISOLATOR ASSEMBLY	AISI 1018 Steel, Cold Rolled	1
1.6.2	D030322	CAGING BRACE ASSY	N/A	1
1.6.1	D020004	HOUSING HYDRAULIC ASSEMBLY	ASTM A36 Steel	1
1.6	D1100241	HEPI MAIN SUPPORT ASSEMBLY, aLIGO BSC LEFT	SEE BOM	1
1.4.2		S.H.C.S. 5/16-18 x 2.00		4
1.3	HOLOKROME_77540	SCREW 1/2-20 X 4" SHCS	Alloy Steel	8
1.2	MCMASTER_98049A640	WASHER 1/2 ID X 1 1/8 OD X .11 THK	18-8 SSSL	8
1.1	D972118	CROSSBEAM WELDMENT, aLIGO BSC HEPI	ASTM A36 Steel	1
1	D040001	HEPI TOP LEVEL ASSY, aLIGO BSC	SEE BOM	2
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ