



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

E080191-v1

DRWG NO. REV

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ASSEMBLY NO.

D080718-v1

PROJECT DRAWING TREE

TITLE: HLTS Overall Assembly and Assembly Fixtures

NUMBER	DESCRIPTION	REVISION
	APPROVALS:	DATE:
AUTHOR:	D. Bridges	20 Feb 2010
CHECKED:	M. Meyer	22 Feb 2010
APPROVED:		
DCC RELEASE		

NUMBER	DESCRIPTION	REVISION
D080718	HLTS OVERALL ASSEMBLY AND ASSEMBLY FIXTURES	v1
D070447	HLTS OVERALL ASSEMBLY	v1
D070537	HLTS STRUCTURE	v1
D070442	HLTS STRUCTURAL WELDMENT	v2
D070575	Base Plate, HLTS Structural Weldment	v1
D070581	Leg, HLTS Structural Weldment	v1
D070583	Front Cross Beam, Thin, HLTS Structural Weldment	v1
D070584	Side Cross Beam, Thin, HLTS Structural Weldment	v1
D080283	Front Cross Beam, Thick, HLTS Structural Weldment	v1
D080282	Side Cross Beam, Thick, HLTS Structural Weldment	v1
D070576	Lower Front Gusset, HLTS Structural Weldment	v1
D070577	Side Gusset, HLTS Structural Weldment	v1
D070578	Side Strut, HLTS Structural Weldment	v1
D070579	Upper Front Gusset, HLTS Structural Weldment	v1
D070580	Top Gusset, HLTS Structural Weldment	v1
D070582	Top Gusset, Short, HLTS Structural Weldment	v1
D0900626	MOUNTING PAD ASSEMBLY, HLTS	v1
D070374	Mounting Pad Body, HLTS	v1
D0900627	Front Bracket, Mounting Pad, HLTS	v1
D0900628	Side Bracket, Mounting Pad, HLTS	v1
D070332	HLTS SUSPENSION ASSEMBLY	v3
D070326	ROTATIONAL ADJUSTER	v1
D070327	Base Plate, Rotational Adjuster	v1
D070328	Rotating Plate, Rotational Adjuster	v1
D020622	Blade Clamp (0.0 Degree), Upper Blade, Inside	A/v1
D070331	Shim, Upper Blade	A/v1
D020617	Upper Blade, HLTS	C/v1
D020601	Blade Clamp (0.0 Degree), Upper Blade, Outside	A/v1
D070330	Push Plate	v1
D070329	Pull Plate	v1
D070340	UPPER WIRE ASSEMBLY, HLTS	v1
D0901078	UPPER CLAMP ASSEMBLY, UPPER WIRE, HLTS	v1
D020611	Upper Clamp, Upper Wire, Inside	v2
D070341	Upper Clamp, Upper Wire, Outside	A/v1
D0901079	LOWER CLAMP ASSEMBLY, UPPER WIRE, HLTS	v2
D020610	Lower Clamp, Upper Wire, Inside	v1
D020624	Lower Clamp, Upper Wire, Outside	v1
D0901135	Mounting Block, Lower Clamp, Upper Wire	v2
D020652	C-Clamp, Upper Mass	v1
D070335	UPPER MASS ASSEMBLY, HLTS	v2
D020605	Main Section, Upper Mass	v2
D020607	T-Piece, Upper Mass	v2
D020608	X-Direction Offset, T-Piece, Upper Mass	v1
D030139	Y-Direction Offset, T-Piece, Upper Mass	v1
D080221	Guard, Lower Blade	v1
D020602	Blade Clamp (0.0 Degree), Lower Blade, Inside	A/v1
D020615	Lower Blade, HLTS	D/v1
D020623	Blade Clamp (0.0 Degree), Lower Blade, Outside	A/v1
D020653	Screwdrive System, Upper Mass	v1
D070020	Magnet Holder	v2
D060416	MAGNET AND FLAG ASSEMBLY	H/v1
D060418	Magnet Retainer	H/v1
D060401	Magnetic Plug	G/v1
D060400	OSEM Magnet Flag	G/v1
D0901405	Additional Mass Disk, 50g	v1
D070333	Additional Mass Disk, 100g	v1
D080263	Additional Mass Disk, 150g	v1
D070393	INTERMEDIATE WIRE ASSEMBLY, HLTS	v1
D0901335	UPPER CLAMP ASSEMBLY, INTERMEDIATE WIRE, HLTS	v1
D070585	Upper Clamp, Intermediate Wire, Inside	v2
D070394	Upper Clamp, Intermediate Wire, Outside	A/v1
D0901336	LOWER CLAMP ASSEMBLY, INTERMEDIATE WIRE, HLTS	v1
D070405	Lower Clamp, Intermediate Wire, Inside	v1
D070406	Lower Clamp, Intermediate Wire, Outside	v1
D0901168	Mounting Block, Lower Clamp, Intermediate Wire	v1
D030149	Intermediate Wire Breakoff, Intermediate Mass	v1
D070334	INTERMEDIATE MASS ASSEMBLY, HLTS	v2
D070336	Main Section, Intermediate Mass	v2
D080181	INTERMEDIATE MASS CHANGER ASSEMBLY	v1
D030155	Center Offset, Intermediate Mass	v1
D080182	Collar, Upper, 100g, Intermediate Mass	v1
D080183	Collar, Lower, 100g, Intermediate Mass	v1



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ASSEMBLY NO.

D080718-v1

PROJECT DRAWING TREE

TITLE: HLTS Overall Assembly and Assembly Fixtures

NUMBER	DESCRIPTION	REVISION
D080223	Collar, Upper, 300g, Intermediate Mass	v1
D080232	Collar, Lower, 300g, Intermediate Mass	v1
D080225	Collar, Upper, 500g, Intermediate Mass	v1
D080234	Collar, Lower, 500g, Intermediate Mass	v1
D080227	Collar, Upper, 700g, Intermediate Mass	v1
D080236	Collar, Lower, 700g, Intermediate Mass	v1
D080229	Collar, Upper, 900g, Intermediate Mass	v1
D080238	Collar, Lower, 900g, Intermediate Mass	v1
D030156	Side Offset, Intermediate Mass	v1
D0901405	Additional Mass Disk, 50g	v1
D070333	Additional Mass Disk, 100g	v1
D080263	Additional Mass Disk, 150g	v1
D970075	Dumbbell Standoff	v1
D0901927	Sintered SmCo Magnet, 0.075 X 0.125	v1
D070436	LOWER LOOP WIRE ASSEMBLY, HLTS	v2
D030148	Lower Wire Breakoff, Intermediate Mass	v1
D0901395	CLAMP ASSEMBLY, LOWER LOOP WIRE	v1
D070438	Clamp, Lower Wire, Outside	v2
D0901396	Mounting Block, Lower Loop Wire Clamp	v1
D070337	TEST MASS ASSEMBLY, HLTS	v4
D070338	Metal Test Mass, HLTS	v4
D080124	Prism Breakoff, Lower Wire, Test Mass	v2
D970075	Dumbbell Standoff	v1
D0901927	Sintered SmCo Magnet, 0.075 X 0.125	v1
D0901286	Secondary Metal Prism Breakoff	v1
D070308	TOP BLADE GUARD ASSEMBLY, HLTS	v1
D070310	Top Blade Guard Bar	v1
D070309	Top Blade Guard Riser	v1
D0900990	Screw, Socket Head Cap, #8-32 UNC-2A X 1.5 Long, Fully Threaded, Rounded End	v1
D070052	Connector Bracket, 25-Pin (1/4-20)	v2
D080677	COIL HOLDER ASSEMBLY, HLTS	v1
D070449	Coil Holder (Tablecloth)	v1
D070320	Mounting Bracket, Coil Holder	v2
D060218	BOSEM ASSEMBLY	C
D0900997	Screw, Socket Head Cap, 1/4-20 UNC-2A X 1.5 Long, Fully Threaded, Rounded End	v1
D0900004	UHV-Compatible Cable Clamp	v1
D080726	EARTHQUAKE STOP ASSEMBLY, LONG MOUNT	v1
D070460	Earthquake Stop Mount, Long	v1
D080725	EARTHQUAKE STOP FOR METAL OR GLASS, 2.5 INCH	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1
D080724	Mounting Cap, Earthquake Stop	v2
D060546	Impact Absorber, Earthquake Stop	v2
D060548	Fused Silica Earthquake Stop	v1
D060544	EARTHQUAKE STOP FOR GLASS	v1
D060545	Earthquake Stop Adjuster	v1
D060547	Mount Plate, Earthquake Stop	B/v1
D060546	Impact Absorber for Glass Stops, Earthquake Stop	v2
D060548	Fused Silica Earthquake Stop	v1
D080727	EARTHQUAKE STOP ASSEMBLY, LONG BRACKET	v1
D070322	Earthquake Stop Bracket, Long	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1
D080728	EARTHQUAKE STOP ASSEMBLY, SHORT BRACKET	v1
D070354	Earthquake Stop Bracket, Short	v1
D080725	EARTHQUAKE STOP FOR METAL OR GLASS, 2.5 INCH	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1
D080724	Mounting Cap, Earthquake Stop	v2
D060546	Impact Absorber for Glass Stops, Earthquake Stop	v2
D060548	Fused Silica Earthquake Stop	v1
D060544	EARTHQUAKE STOP FOR GLASS	v1
D060545	Earthquake Stop Adjuster	v1
D060547	Mount Plate, Earthquake Stop	B/v1
D060546	Impact Absorber for Glass Stops, Earthquake Stop	v2
D060548	Fused Silica Earthquake Stop	v1
D070319	EARTHQUAKE STOP ASSEMBLY, BRIDGE	v1
D070321	Earthquake Stop Bridge Crossbar	v1
D0901241	Earthquake Stop Mount, Bridge	v1
D080725	EARTHQUAKE STOP FOR METAL OR GLASS, 2.5 INCH	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1
D080724	Mounting Cap, Earthquake Stop	v2
D060546	Impact Absorber for Glass Stops, Earthquake Stop	v2
D060548	Fused Silica Earthquake Stop	v1
D060544	EARTHQUAKE STOP FOR GLASS	v1
D060545	Earthquake Stop Adjuster	v1
D060547	Mount Plate, Earthquake Stop	B/v1
D060546	Impact Absorber for Glass Stops, Earthquake Stop	v2
D060548	Fused Silica Earthquake Stop	v1
D0902024	UPPER AOSEM ALIGNMENT ASSEMBLY, INTERMEDIATE MASS, HLTS	v2
D0902025	Upper AOSEM Mounting Bracket, Intermediate Mass, HLTS	v1
D0901492	AOSEM Alignment Bracket, Intermediate Mass, HLTS	v1
D0901548	AOSEM Adjustment Collar	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1



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PROJECT DRAWING TREE

TITLE: HLTS Overall Assembly and Assembly Fixtures

NUMBER	DESCRIPTION	REVISION
D0901065	AOSEM ASSEMBLY	v1
D0901551	LOWER AOSEM ALIGNMENT ASSEMBLY, INTERMEDIATE MASS, HLTS	v2
D0901493	Lower AOSEM Mounting Bracket, Intermediate Mass, HLTS	v1
D0901492	AOSEM Alignment Bracket, Intermediate Mass, HLTS	v1
D0901548	AOSEM Adjustment Collar	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1
D0901065	AOSEM ASSEMBLY	v1
D0901552	UPPER AOSEM ALIGNMENT ASSEMBLY, TEST MASS, HLTS	v2
D0901550	Upper AOSEM Mounting Bracket, Test Mass, HLTS	v1
D0901549	AOSEM Alignment Bracket, Test Mass, HLTS	v1
D0901548	AOSEM Adjustment Collar	v1
D080725	EARTHQUAKE STOP FOR METAL OR GLASS, 2.5 INCH	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1
D080724	Mounting Cap, Earthquake Stop	v2
D060546	Impact Absorber for Glass Stops, Earthquake Stop	v2
D060548	Fused Silica Earthquake Stop	v1
D0901065	AOSEM ASSEMBLY	v1
D0901553	LOWER AOSEM ALIGNMENT ASSEMBLY, TEST MASS, HLTS	v2
D0900340	Lower AOSEM Mounting Bracket, Test Mass, HLTS	v1
D0901549	AOSEM Alignment Bracket, Test Mass, HLTS	v1
D0901548	AOSEM Adjustment Collar	v1
D080725	EARTHQUAKE STOP FOR METAL OR GLASS, 2.5 INCH	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1
D080724	Mounting Cap, Earthquake Stop	v2
D060546	Impact Absorber for Glass Stops, Earthquake Stop	v2
D060548	Fused Silica Earthquake Stop	v1
D0901065	AOSEM ASSEMBLY	v1
D080723	Cap Body, Resin, Earthquake Stop	v2
D080265	UPPER BLADE BAKE FIXTURE, HLTS	v2
D080268	Base Plate, Upper Blade Bake Fixture	v1
D070558	Side Support, Upper Blade Bake Fixture	v1
D080267	Top Bridge, Upper Blade Bake Fixture	v1
D0900999	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2 Long, Fully Threaded, Rounded End	v1
D0900665	LIBRARY OF CLAMPS, UPPER BLADE, HLTS	v1
D0900666	Base Plate, Library of Clamps, Upper Blade, HLTS	v1
D0900667	Blade Clamp (0.5 Degree), Upper Blade, Inside	v1
D0900668	Blade Clamp (1.0 Degree), Upper Blade, Inside	v1
D0900669	Blade Clamp (1.5 Degree), Upper Blade, Inside	v1
D0900670	Blade Clamp (2.0 Degree), Upper Blade, Inside	v1
D0900671	Blade Clamp (2.5 Degree), Upper Blade, Inside	v1
D0900672	Blade Clamp (3.0 Degree), Upper Blade, Inside	v1
D0900673	Blade Clamp (3.5 Degree), Upper Blade, Inside	v1
D0900674	Blade Clamp (0.5 Degree), Upper Blade, Outside	v1
D0900675	Blade Clamp (1.0 Degree), Upper Blade, Outside	v1
D0900676	Blade Clamp (1.5 Degree), Upper Blade, Outside	v1
D0900677	Blade Clamp (2.0 Degree), Upper Blade, Outside	v1
D0900678	Blade Clamp (2.5 Degree), Upper Blade, Outside	v1
D0900679	Blade Clamp (3.0 Degree), Upper Blade, Outside	v1
D0900680	Blade Clamp (3.5 Degree), Upper Blade, Outside	v1
D0900594	UPPER WIRE JIG ASSEMBLY, HLTS	v1
D0900595	Base Plate, Upper Wire Jig	v1
D0900563	Pin Support, Wire Jig	v1
D0900596	Blade Clamp Mount, Upper Wire Jig	v1
D0900597	Wire Clamp Mount, Upper Wire Jig	v1
D0900603	Wire Start Clamp, Inside, Upper Wire Jig	v1
D020380	Wire Start Clamp, Outside	v1
D980184	LOS Clamp, Long	v1
D0900681	LIBRARY OF CLAMPS, LOWER BLADE, HLTS	v1
D0900689	Base Plate, Library of Clamps, Lower Blade, HLTS	v1
D0900682	Blade Clamp (0.5 Degree), Lower Blade, Inside	v1
D0900683	Blade Clamp (1.0 Degree), Lower Blade, Inside	v1
D0900684	Blade Clamp (1.5 Degree), Lower Blade, Inside	v1
D0900685	Blade Clamp (2.0 Degree), Lower Blade, Inside	v1
D0900686	Blade Clamp (2.5 Degree), Lower Blade, Inside	v1
D0900687	Blade Clamp (3.0 Degree), Lower Blade, Inside	v1
D0900688	Blade Clamp (3.5 Degree), Lower Blade, Inside	v1
D0900690	Blade Clamp (0.5 Degree), Lower Blade, Outside	v1
D0900691	Blade Clamp (1.0 Degree), Lower Blade, Outside	v1
D0900692	Blade Clamp (1.5 Degree), Lower Blade, Outside	v1
D0900693	Blade Clamp (2.0 Degree), Lower Blade, Outside	v1
D0900694	Blade Clamp (2.5 Degree), Lower Blade, Outside	v1
D0900695	Blade Clamp (3.0 Degree), Lower Blade, Outside	v1
D0900696	Blade Clamp (3.5 Degree), Lower Blade, Outside	v1
D0900630	INTERMEDIATE WIRE JIG ASSEMBLY, HLTS	v1
D0900633	Base Plate, Intermediate Wire Jig	v1
D0900563	Pin Support, Wire Jig	v1
D0900631	Blade Clamp Mount, Intermediate Wire Jig	v1
D0900632	Wire Clamp Mount, Intermediate Wire Jig	v1
D0900634	Wire Start Clamp, Inside, Intermediate Wire Jig	v1
D020380	Wire Start Clamp, Outside	v1
D980184	LOS Clamp, Long	v1



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PROJECT DRAWING TREE

D080718-v1

TITLE: HLTS Overall Assembly and Assembly Fixtures

NUMBER	DESCRIPTION	REVISION
D0901461	MAGNET PLACEMENT FIXTURE, INTERMEDIATE MASS, HLTS	v1
D0902060	Base Plate, Magnet Placement Fixture, Intermediate Mass	v1
D0902062	Vertical Locating Block, Magnet Placement Fixture, Intermediate Mass, HLTS	v1
D0902444	POSITIONING STANDOFF, MAGNET PLACEMENT FIXTURE, INTERMEDIATE MASS	v1
D0902445	Standoff Plate, Magnet Placement Fixture, Intermediate Mass, HLTS	v1
D0902069	Standoff Block, Magnet Placement Fixture	v1
D0902451	Standoff Side Plate, Long, Magnet Placement Fixture, Intermediate Mass, HLTS	v1
D0902452	Standoff Side Plate, Short, Magnet Placement Fixture, Intermediate Mass, HLTS	v1
D030021	Screw, Socket Head Cap, 1/4-20 UNC-2A X 2.5 Long, Fully Threaded, Rounded End	v1
D0902335	PLUNGER/GRIPPER ASSEMBLY	v1
D990160	Brass Plunger	A/v1
D990161	Pencil Mechanism Holder	A/v1
D980184	LOS Clamp, Long	v1
D000035	MAGNET AND DUMBBELL SANDING FIXTURE	A/v1
D000036	MAGNET-TO-DUMBBELL ASSEMBLY FIXTURE	A/v1
D0901419	LOWER LOOP WIRE JIG ASSEMBLY, HLTS	v1
D0901433	Base Plate, Lower Loop Wire Jig, HLTS	v1
D0900563	Pin Support, Wire Jig	v1
D0901435	Wire Start Clamp, Inside, Lower Loop Wire Jig, HLTS	v2
D020380	Wire Start Clamp, Outside	v1
D0901436	Wire Clamp Mount, Lower Loop Wire Jig, HLTS	v1
D980184	LOS Clamp, Long	v1
D0901460	MAGNET PLACEMENT FIXTURE, TEST MASS, HLTS	v1
D0902064	Base Plate, Magnet Placement Fixture, Test Mass, HLTS	v1
D0902066	Optic Rest Block, Magnet Placement Fixture, Test Mass, HLTS	v1
D0902087	POSITIONING STANDOFF, MAGNET PLACEMENT FIXTURE, TEST MASS, HLTS	v1
D0902068	Standoff Ring, Magnet Placement Fixture, Test Mass, HLTS	v1
D0902069	Standoff Block, Magnet Placement Fixture, HLTS	v1
D970562	Beamsplitter Chamfer Stop	A/v1
D990148	Fluorel Tip, 1/4-20	A/v1
D0902335	PLUNGER/GRIPPER ASSEMBLY	v1
D990160	Brass Plunger	A/v1
D990161	Pencil Mechanism Holder	A/v1
D980184	LOS Clamp, Long	v1
D0902459	SAPPHIRE PRISM PLACEMENT FIXTURE, HLTS	v1
D0902658	OPTIC HOLDER, HAM TRIPLE SUSPENSIONS	v1
D0902460	Base Plate, Optic Holder	v1
D0902461	Optic Rest Wedge, Optic Holder	v1
D0902585	Optic Rest Plate, Optic Holder	v1
D980184	LOS Clamp, Long	v1
D0902661	SAPPHIRE PRISM BONDING JIG, HLTS	v1
D0902662	SAPPHIRE PRISM BONDING FIXTURE, HLTS	v1
D0902665	Bonding Template Front, Sapphire Prism, HLTS	v1
D0902666	Bonding Template Side, Sapphire Prism, HAM Triple Suspension	v1
D080409	Alignment Guide, Bonding Template	A/v1
D0902721	Sapphire Prism Holder Guide, HAM Triple Suspension	v1
D0902669	Support Cylinder, Sapphire Prism Bonding Fixture, HLTS	v1
D0902663	SAPPHIRE PRISM HOLDER ASSEMBLY, HLTS	v1
D0902664	Sapphire Prism Holder, HLTS	v1
D0902722	Sapphire Prism Holder Extension	v1
D080468	Screw, Socket Head Cap, #2-56 UNC-2A X 0.375 Long, Fully Threaded, Rounded End	v1
OPTICS REFERENCE:		
D0810037	HLTS PRISM AND OPTIC ASSEMBLY	v1
D080662	PR3 Optic Substrate	v2
D080663	F-PR3 Optic Substrate	v2
D080664	SR3 Optic Substrate	v2
D070441	Sapphire Prism Breakoff, Lower Wire, Test Mass, HLTS	v3
D970075	Dumbbell Standoff	v1
D0901927	Sintered SmCo Magnet, 0.075 X 0.125	v1
D0901286	Secondary Metal Prism Breakoff, HLTS	v1



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SUMMARY OF OVERALL ASSEMBLY + SUB-ASSEMBLIES

TITLE: HLTS Overall Assembly and Assembly Fixtures

D080718	HLTS OVERALL ASSEMBLY AND ASSEMBLY FIXTURES
D070447	HLTS OVERALL ASSEMBLY
D070537	HLTS STRUCTURE
D070442	HLTS STRUCTURAL WELDMENT
D0900626	MOUNTING PAD ASSEMBLY
D070332	HLTS SUSPENSION ASSEMBLY
D070326	ROTATIONAL ADJUSTER
D070340	UPPER WIRE ASSEMBLY
D0901078	UPPER CLAMP ASSEMBLY, UPPER WIRE
D0901079	LOWER CLAMP ASSEMBLY, UPPER WIRE
D070335	UPPER MASS ASSEMBLY
D060416	MAGNET AND FLAG ASSEMBLY
D070393	INTERMEDIATE WIRE ASSEMBLY
D0901335	UPPER CLAMP ASSEMBLY, INTERMEDIATE WIRE
D0901336	LOWER CLAMP ASSEMBLY, INTERMEDIATE WIRE
D070334	INTERMEDIATE MASS ASSEMBLY
D080181	INTERMEDIATE MASS CHANGER ASSEMBLY
D070436	LOWER LOOP WIRE ASSEMBLY
D0901395	CLAMP ASSEMBLY, LOWER LOOP WIRE
D070337	TEST MASS ASSEMBLY
D070308	TOP BLADE GUARD ASSEMBLY
D080677	COIL HOLDER ASSEMBLY
D060218	BOSEM ASSEMBLY
D080726	EARTHQUAKE STOP ASSEMBLY, LONG MOUNT
D080725	EARTHQUAKE STOP FOR METAL OR GLASS
D060544	EARTHQUAKE STOP FOR GLASS
D080727	EARTHQUAKE STOP ASSEMBLY, LONG BRACKET
D080728	EARTHQUAKE STOP ASSEMBLY, SHORT BRACKET
D080725	EARTHQUAKE STOP FOR METAL OR GLASS
D060544	EARTHQUAKE STOP FOR GLASS
D070319	EARTHQUAKE STOP ASSEMBLY, BRIDGE
D080725	EARTHQUAKE STOP FOR METAL OR GLASS
D060544	EARTHQUAKE STOP FOR GLASS
D0902024	UPPER AOSEM ALIGNMENT ASSEMBLY, INTERMEDIATE MASS
D0901065	AOSEM ASSEMBLY
D0901551	LOWER AOSEM ALIGNMENT ASSEMBLY, INTERMEDIATE MASS
D0901065	AOSEM ASSEMBLY
D0901552	UPPER AOSEM ALIGNMENT ASSEMBLY, TEST MASS
D080725	EARTHQUAKE STOP FOR METAL OR GLASS
D0901065	AOSEM ASSEMBLY
D0901553	LOWER AOSEM ALIGNMENT ASSEMBLY, TEST MASS
D080725	EARTHQUAKE STOP FOR METAL OR GLASS
D0901065	AOSEM ASSEMBLY
D080265	UPPER BLADE BAKE FIXTURE
D0900665	LIBRARY OF CLAMPS, UPPER BLADE
D0900594	UPPER WIRE JIG ASSEMBLY
D0900681	LIBRARY OF CLAMPS, LOWER BLADE
D0900630	INTERMEDIATE WIRE JIG ASSEMBLY
D0901461	MAGNET PLACEMENT FIXTURE, INTERMEDIATE MASS



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SUMMARY OF OVERALL ASSEMBLY + SUB-ASSEMBLIES

TITLE: HLTS Overall Assembly and Assembly Fixtures

D0902444	POSITIONING STANDOFF, MAGNET PLACEMENT, FIXTURE, INTERMEDIATE MASS
D0902335	PLUNGER/GRIPPER ASSEMBLY
D000035	MAGNET AND DUMBBELL SANDING FIXTURE
D000036	MAGNET-TO-DUMBBELL ASSEMBLY FIXTURE
D0901419	LOWER LOOP WIRE JIG ASSEMBLY
D0901460	MAGNET PLACEMENT FIXTURE, TEST MASS
D0902087	POSITIONING STANDOFF, MAGNET PLACEMENT, FIXTURE, TEST MASS
D970562	BEAMSPLITTER CHAMFER STOP
D0902335	PLUNGER/GRIPPER ASSEMBLY
D0902459	SAPPHIRE PRISM PLACEMENT FIXTURE
D0902658	OPTIC HOLDER, HAM TRIPLE SUSPENSION
D0902661	SAPPHIRE PRISM BONDING JIG
D0902662	SAPPHIRE PRISM BONDING FIXTURE
D0902663	SAPPHIRE PRISM HOLDER ASSEMBLY