



MATERIAL LIST (or OVERALL BOM)

TITLE: OMCS (Output Mode Cleaner Suspension) Overall Assembly with Fixtures

ICS KEY	REQ.	SPARE	TOTAL	PART NO.	DESCRIPTION
NA	1	0	1	D0900293	OMCS OVERALL ASSEMBLY WITH FIXTURES
	1	0	1	D0900295	OMCS OVERALL ASSEMBLY
*	1	0	1	D0900655	STRUCTURAL WELDMENT ASSEMBLY (OMCS)
*	1	0	1	D0900308	STRUCTURAL WELDMENT (OMCS)
#	1	0	1	D0900346	Base Plate, Structural Weldment
#	1	0	1	D0900347	Top Plate, Structural Weldment
#	4	0	4	D0900348	Leg, Structural Weldment
#	4	0	4	D0900349	7 Inch X 7 Inch Gusset, Structural Weldment
#	4	0	4	D0900350	7 Inch X 4 Inch Gusset, Structural Weldment
	8	0	8	D0900309	Corner Brace, Structural Weldment
#	64	14	78	FHCS	Flat Head Cap Screw, 1/4-20 X 0.625 Long
#	56	12	68	1185-2EN328	Helicoil, #8-32 X 0.328 Long
	2	0	2	D070028	Blade Platform, OMCS
#	8	4	12	1185-2EN246	Helicoil, #8-32 X 0.246 Long
#	36	9	45	Washer	Washer, Flat, #8
#	44	9	53	SHCS	SHCS, #8-32 X 0.5 Long
#	1	0	1	D1201212	SUSPENDED MASS ASSEMBLY (OMCS)
	2	0	2	D030451	ROTATIONAL ADJUSTER ASSEMBLY
	1	0	1	D030448	Base Plate, Rotational Adjuster
*	1	0	1	D030447	Rotating Plate, Rotational Adjuster
#	1	1	2	SHCS	SHCS, 1/4-20 X 0.375 Long
#	4	1	5	D1100785-472	Washer, Flat, 0.25 X 0.472 Outer Diameter
	1	0	1	D020680	Upper Blade Clamp, Lower Side, Shim, 2mm
	ALT	0	0	D020679	Upper Blade Clamp, Lower Side, Shim, 1mm
	1	0	1	D030459	Upper Blade Clamp, Lower Side, 0.0 Degree
	1	1	2	D080018	Upper Blade
	1	0	1	D020116	Upper Blade Clamp, Upper Side, 0.0 Degree
#	2	1	3	C-2020-NA	SHCS, 1/4-20 X 1.25 Long, Ag-Plated
#	2	1	3	Washer	Washer, Flat, 1/4
	1	0	1	D030449	Push Plate, Rotational Adjuster
#	2	1	3	SHCS	SHCS, #8-32 X 1 Long
	1	0	1	D030450	Pull Plate, Rotational Adjuster
#	3	1	4	C-812-NA	SHCS, #8-32 X 0.75 Long, Ag-Plated
#	1	1	2	C-816-NA	SHCS, #8-32 X 1 Long, Ag-Plated
#	4	1	5	C-404-NA	SHCS, #4-40 X 0.25 Long, Ag-Plated
	2	0	2	D060536	UPPER WIRE ASSEMBLY
	1	0	1	D070022	Wire Clamp, Top Blade
#	1	0	1	D030042	Wire Clamp Plate, Upper Blade
#	2	1	3	C-405-NA	SHCS, #4-40 X 0.3125 Long, Ag-Plated
#	4	1	5	Washer	Washer, Flat, #4
*	1	0	1	D070030	C-Clamp for Top Wire
#	1	0	1	D020309	Wire Clamp Plate with Groove, Upper Mass
	1	0	1	D020139	Wire Clamp Plate, Upper Mass
#	2	1	3	C-408-NA	SHCS, #4-40 X 0.5 Long, Ag-Plated
#	A/R	0	0	Wire	0.014" Diameter Steel Music Wire
#	4	1	5	C-812-NA	SHCS, #8-32 X 0.75 Long, Ag-Plated
	4	1	5	D1100785-359	Washer, Flat, #8
	1	0	1	D060502	UPPER MASS ASSEMBLY
*	1	0	1	D060491	Main Section, Upper Mass
	2	0	2	D070045	Lower Blade Cover
#	22	5	27	Washer	Washer, Flat, #4
#	4	1	5	C-410-NA	SHCS, #4-40 X 0.625 Long, Ag-Plated
#	4	1	5	Nut	Hex Nut, #4-40
#	4	1	5	C-412-NA	SHCS, #4-40 X 0.75 Long, Ag-Plated
	4	0	4	D020119	Lower Blade Clamp, Upper Side, 0.0 Degree
	4	4	8	D080019	Lower Blade
	4	0	4	D020308	Lower Blade Clamp, Lower Side, 0.0 Degree
#	16	4	20	Washer	Washer, Flat, #8
	8	2	10	C-816-NA	SHCS, #8-32 X 1 Long, Ag-Plated
	1	0	1	D070032	T-Section, Upper Mass
#	2	1	3	C-2008-NA	SHCS, 1/4-20 X 0.5 Long, Ag-Plated
	1	0	1	D060503	Pitch Insert, T-Section, Upper Mass
#	1	1	2	T-5032-NA	Set Screw, 1/2-20 X 2 Long, Ag-Plated
#	2	1	3	C-804-NA	SHCS, #8-32 X 0.25 Long, Ag-Plated
	4	1	5	D020482	Screwdrive System, Upper Mass
#	8	2	10	SHCS	SHCS, #8-32 X 0.75 Long



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ICS KEY	REQ.	SPARE	TOTAL	PART NO.	DESCRIPTION
#	4	1	5	D1002957	SHCS, #4-40 X 0.625 Long, Fully Threaded, Rounded End
	9	1	10	D070020	Magnet Holder
#	16	5	21	C-408-NA	SHCS, #4-40 X 0.5 Long, Ag-Plated
#	2	1	3	C-408-A	SHCS, #4-40 X 0.5 Long, Vented, Ag-Plated
#	9	1	10	D1001695	MAGNET AND FLAG ASSEMBLY, BOSEM
#	1	0	1	D1001697	Magnet Retainer
#	1	0	1	D1001534	Magnetic Plug
#	1	0	1	D394394N35UHP	Sintered NdFeB Magnet, Ni-Plated, 10mm X 10mm
#	1	0	1	FHCS	Flat Head Cap Screw, #4-40 X 0.1875 Long
#	1	0	1	D1100574	BOSEM Flat Flag Disk
#	1	0	1	D1100573	BOSEM Flag
#	2	1	3	Nut	Hex Nut, 1/4-20
#	2	1	3	C-2020-NA	SHCS, 1/4-20 X 1.25 Long, Ag-Plated
#	1	1	2	C-2020-A	SHCS, 1/4-20 X 1.25 Long, Vented, Ag-Plated
	A/R	0	A/R	D1100894	Add-on Mass, 2g
	A/R	0	A/R	D1100863	Add-on Mass, 5g
	A/R	0	A/R	D1100855	Add-on Mass, 10g
	A/R	0	A/R	D030078	Add-on Mass, 20g
	A/R	0	A/R	D020351	Add-on Mass, 50g
	A/R	0	A/R	D020350	Add-on Mass, 100g
	A/R	0	A/R	D1200043	Upper Add-on Mass, 20g
	A/R	0	A/R	D1200040	Upper Add-on Mass, 50g
	A/R	0	A/R	D1200035	Upper Add-on Mass, 100g
#	8	2	10	C-204-NA	SHCS, #2-56 X 0.25 Long, Ag-Plated
	4	0	4	D060537	LOWER WIRE ASSEMBLY
#	1	0	1	D020132	Lower Blade Wire Clamp
#	1	0	1	D020133	Lower Blade Wire Clamp Plate
#	2	1	3	C-204-NA	SHCS, #2-56 X 0.25 Long, Ag-Plated
#	2	1	3	Washer	Washer, Flat, #2
#	A/R	0	0	Wire	0.0079" Diameter Steel Music Wire
*/#	1	1	2	D1200971	Lower Wire Clamp
	1	0	1	D070035	METAL BENCH ASSEMBLY
*	1	0	1	D070027	Metal Dummy Optical Bench
	2	0	2	D1201469	Metal Breadboard Shim
#	12	3	15	Washer	Washer, Flat, 1/4
#	4	1	5	SHCS	SHCS, 1/4-20 X 0.625 Long
	4	1	5	D1201335	Metal Breadboard Adapter
	4	1	5	D1201334	Metal Mounting Bracket
#	12	3	15	FHCS	Flat Head Cap Screw, #4-40 X 0.375 Long
#	16	4	20	SHCS	SHCS, 1/4-20 X 0.75 Long
	4	0	4	D020350	Add-on Mass, 100g
	2	0	2	D020351	Add-on Mass, 50g
	A/R	0	A/R	D030078	Add-on Mass, 20g
	A/R	0	A/R	D1100855	Add-on Mass, 10g
	A/R	0	A/R	D1100863	Add-on Mass, 5g
	A/R	0	A/R	D1100894	Add-on Mass, 2g
	2	0	2	D070145	TOP BLADE GUARD ASSEMBLY (OMCS)
*	1	0	1	D070146	Blade Guard Crosspiece
	2	0	2	D070147	Blade Guard Riser
#	4	2	6	1185-2EN328	Helicoil, #8-32 X 0.328 Long
#	4	1	5	SHCS	SHCS, #8-32 X 0.625 Long
#	1	1	2	D0900990	SHCS, #8-32 X 1.5 Long, Fully Threaded, Rounded End
#	1	1	2	N-832-A	Hex Nut, #8-32, Ag-Plated
	1	0	1	D1201502	BRACKET AND PREAMP ASSEMBLY (OMCS)
*	1	0	1	D1201501	Bracket, Preamp
#	2	0	2	(No P/N)	Preamp Package
#	8	0	8	MFA-310-NA	Flat Head Cap Screw, M3 X 10mm Long, Ag-Plated
#	2	0	2	SHCS	SHCS, 1/4-20 X 0.75 Long
	1	0	1	D1201213	COIL HOLDER ASSEMBLY (OMCS)
*	1	0	1	D060530	Coil Holder (Tablecloth)
	4	0	4	D060533	MOUNTING BRACKET, COIL HOLDER
	1	0	1	D060533-1/-2	Mounting Bracket, Coil Holder
*	1	0	1	D060533-3	Tablecloth Bracket Wing
#	2	1	3	Dowel Pin	Dowel Pin, 3/16" Diameter X 5/8" Long
#	3	1	4	SHCS	SHCS, #4-40 X 0.375 Long
#	7	3	10	1185-2EN246	Helicoil, #8-32 X 0.246 Long



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ICS KEY	REQ.	SPARE	TOTAL	PART NO.	DESCRIPTION
#	16	4	20	C-808-NA	SHCS, #8-32 X 0.5 Long, Ag-Plated
#	16	4	20	Washer	Washer, Flat, #8
#	12	3	15	C-816-NA	SHCS, #8-32 X 1 Long, Ag-Plated
#	12	3	15	Nut	Hex Nut, #8-32
	6	0	6	D060218	BOSEM ASSEMBLY
#	24	6	30	C-416-NA	SHCS, #4-40 X 1 Long, Ag-Plated
#	24	6	30	Washer	Washer, Flat, #4
#	16	4	20	D1100785-359	Washer, Flat, 0.20 X 0.359 Outer Diameter
#	16	4	20	SHCS	#8-32 X 0.625 Long
	2	0	2	D1201441	EARTHQUAKE STOP ASSEMBLY (OMCS)
*	1	0	1	D1201471	Main Bar, Earthquake Stop Assembly
	1	0	1	D1201472	Left Support, Earthquake Stop Assembly
	1	0	1	D1201473	Right Support, Earthquake Stop Assembly
#	7	1	8	91830A569	Knurled Head Thumb Screw, 1/4-20 X 1/2", 1" Head
	7	1	8	D1201440	Threaded Bumper, Earthquake Stops
#	7	0	7	Set Screw	Set Screw, Hollow-Lock, 1/4-20 X 0.125 Long
	1	0	1	D1201475	Top Bracket, Earthquake Stop Assembly
	2	0	2	D1201476	Side Bracket, Earthquake Stop Assembly
	2	0	2	D1201478	Horizontal Adjust, Earthquake Stop Assembly
#	12	3	15	SHCS	SHCS, Low Head, 1/4-20 X 0.75
#	2	1	3	SHCS	SHCS, 1/4-20 X 0.875 Long
#	4	1	5	SHCS	SHCS, 1/4-20 X 1 Long
#	18	4	22	Washer	Washer, Flat, 1/4
#	14	6	20	1185-4EN250	Helicoil, 1/4-20 X 0.25 Long
	2	0	2	D1001346-2	CABLE BRACKET ASSEMBLY, HAM TABLE
*	1	0	1	D1001342-1	Baseplate, Cable Bracket
	1	0	1	D1001343-2	Upright, Cable Bracket
#	10	0	10	D1001344	Screw Insulator, Cable Bracket
#	2	0	2	D1001345-2	Nutplate, Cable Bracket
#	7	0	7	SHCS	SHCS, #4-40 X 0.875 Long
#	10	0	10	1185-04EN-168	Helicoil, #4-40 X 0.168 Long
	4	1	5	SHCS	SHCS, 1/4-20 X 0.625 Long
	1	0	1	D070139	UPPER WIRE JIG ASSEMBLY (OMCS)
*	1	0	1	D080121	Bar Jig for Upper Wires
	1	0	1	D020440	Upper Wire Height Balance
	1	0	1	D020540	Wire Start Matched Height (Grooved Clamp)
	1	0	1	D020380	Wire Start Clamp, Outside
#	2	0	2	SHCS	SHCS, #8-32 X 1.125 Long
#	4	1	5	SHCS	SHCS, #8-32 X 0.625 Long
#	2	0	2	SHCS	SHCS, #4-40 X 1.25 Long
#	2	0	2	C-812-NA	SHCS, #8-32 X 0.75 Long, Ag-Plated
	4	0	4	D980194	LOS Clamp, Long
#	4	1	5	SHCS	SHCS, 1/4-20 X 1.125 Long
#	2	1	3	Washer	Washer, Flat, #4
	1	0	1	D070023	Upper Blade Wire Clamp Attachment
#	2	0	2	C-412-NA	SHCS, #4-40 X 0.75 Long, Ag-Plated
	1	0	1	D070038	Bar Jig Step Plate
	1	0	1	D020677	LIBRARY OF CLAMPS (HSTS/OMCS)
#	1	0	1	D020678	Adapter Plate, Library of Clamps
	1	0	1	D020116	Upper Blade Clamp, Upper Side, 0.0 Degree
	1	0	1	D020325	Upper Blade Clamp, Upper Side, 0.5 Degree
	1	0	1	D020326	Upper Blade Clamp, Upper Side, 1.0 Degree
	1	0	1	D020327	Upper Blade Clamp, Upper Side, 1.5 Degree
	1	0	1	D020312	Upper Blade Clamp, Upper Side, 2.0 Degree
	1	0	1	D020328	Upper Blade Clamp, Upper Side, 2.5 Degree
	1	0	1	D020689	Upper Blade Clamp, Upper Side, 3.0 Degree
	1	0	1	D020690	Upper Blade Clamp, Upper Side, 3.5 Degree
	1	0	1	D030459	Upper Blade Clamp, Lower Side, 0.0 Degree
	1	0	1	D030460	Upper Blade Clamp, Lower Side, 0.5 Degree
	1	0	1	D030461	Upper Blade Clamp, Lower Side, 1.0 Degree
	1	0	1	D030462	Upper Blade Clamp, Lower Side, 1.5 Degree
	1	0	1	D030463	Upper Blade Clamp, Lower Side, 2.0 Degree
	1	0	1	D030464	Upper Blade Clamp, Lower Side, 2.5 Degree
	1	0	1	D030465	Upper Blade Clamp, Lower Side, 3.0 Degree
	1	0	1	D030466	Upper Blade Clamp, Lower Side, 3.5 Degree
	1	0	1	D020679	Upper Blade Clamp, Lower Side, Shim, 1mm



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ICS KEY	REQ.	SPARE	TOTAL	PART NO.	DESCRIPTION
	1	0	1	D020680	Upper Blade Clamp, Lower Side, Shim, 2mm
	2	0	2	D020119	Lower Blade Clamp, Upper Side, 0.0 Degree
	2	0	2	D020337	Lower Blade Clamp, Upper Side, 0.5 Degree
	2	0	2	D020338	Lower Blade Clamp, Upper Side, 1.0 Degree
	2	0	2	D020339	Lower Blade Clamp, Upper Side, 1.5 Degree
	2	0	2	D020314	Lower Blade Clamp, Upper Side, 2.0 Degree
	2	0	2	D020340	Lower Blade Clamp, Upper Side, 2.5 Degree
	2	0	2	D1101067	Lower Blade Clamp, Upper Side, 3.0 Degree
	2	0	2	D1101068	Lower Blade Clamp, Upper Side, 3.5 Degree
	2	0	2	D020308	Lower Blade Clamp, Lower Side, 0.0 Degree
	2	0	2	D020333	Lower Blade Clamp, Lower Side, 0.5 Degree
	2	0	2	D020334	Lower Blade Clamp, Lower Side, 1.0 Degree
	2	0	2	D020335	Lower Blade Clamp, Lower Side, 1.5 Degree
	2	0	2	D020313	Lower Blade Clamp, Lower Side, 2.0 Degree
	2	0	2	D020336	Lower Blade Clamp, Lower Side, 2.5 Degree
	2	0	2	D1101070	Lower Blade Clamp, Lower Side, 3.0 Degree
	2	0	2	D1101071	Lower Blade Clamp, Lower Side, 3.5 Degree
	1	0	1	D070249	LOWER WIRE JIG ASSEMBLY (OMCS)
	1	0	1	D070250	Base Plate, Lower Wire Jig
	1	0	1	D0900563	Pin Support, Wire Jig
#	1	1	2	92735A230	Clevis Pin
#	1	1	2	98408A120	Retaining Ring
#	10	3	13	SHCS	SHCS, #4-40 X 0.5 Long
#	7	2	9	Washer	Washer, Flat, #4
	1	0	1	D1201486	Wire Start Clamp, Inside
	1	0	1	D020380	Wire Start Clamp, Outside
#	2	1	3	C-406-NA	SHCS, #4-40 X 0.375 Long, Ag-Plated
	1	0	1	D1201490	Lower Blade Wire Clamp Spacer
	1	0	1	D020159	Lower Blade Wire Clamp
#	2	1	3	SHCS	SHCS, #8-32 X 1.5 Long
#	2	1	3	C-206-NA	SHCS, #2-56 X 0.375 Long, Ag-Plated
	1	0	1	D1201488	Lower Clamp Mount
	1	0	1	D1201334	Metal Mounting Bracket
	4	0	4	D980184	LOS Clamp, Long
#	4	1	5	C-2024-NA	SHCS, 1/4-20 X 1.5 Long, Ag-Plated
#	4	1	5	Washer	Washer, Flat, 1/4
	1	0	1	D1300083	LOWER WIRE CRIMPERS (OMCS)
#	1	0	1	CTL-9	Amphenol Crimpers
#	2	0	2	D1300081	Modified Amphenol 2051 Jaw
	1	0	1	D1002440	UPPER BLADE BAKING FIXTURE (HSTS/OMCS)
*	1	0	1	D1002445	Base Plate, Upper Blade Baking Fixture
	6	2	8	D1002444	Standoff, Upper Blade Baking Fixture
	3	1	4	D1002443	Crossbar, Upper Blade Baking Fixture
#	12	3	15	Washer	Washer, Flat, 1/4
#	6	2	8	Washer	Washer, Flat, #8
#	6	2	8	D030023	SHCS, 1/4-20 X 1 Long, Fully Threaded, Rounded End
#	18	5	23	1185-4EN250	Helicoil, 1/4-20 X 0.25 Long
#	12	3	15	1185-2EN246	Helicoil, #8-32 X 0.246 Long
#	12	3	15	SHCS	SHCS, 1/4-20 X 0.5 Long
#	12	3	15	SHCS	SHCS, #8-32 X 0.625 Long
	1	0	1	D040259	Tablecloth and Upper Mass Jig
	2	0	2	D0900643	LIFTING JACK ASSEMBLY (OMCS)
#	1	0	1	281	Lab Jack
#	1	0	1	443	Translation Stage
#	1	0	1	SM-50	Micrometer
*	1	0	1	D0900589	Slide Plate, Lifting Jack
	2	1	3	D0900591	Support Tab, Lifting Jack
	2	1	3	D0900593	Stop Sleeve, Lifting Jack
#	6	2	8	SHCS	SHCS, 1/4-20 X 0.5 Long
#	2	1	3	SHCS	SHCS, 1/4-20 X 0.75 Long
#	6	2	8	Washer	Washer, Flat, 1/4
	4	0	4	D1300367	TRANSPORT HANDLE ASSEMBLY (OMCS)
	1	0	1	D1002718	Transport Handle
#	2	1	3	1185-6EN375	Helicoil, 3/8-16 X 0.375 Long
#	1	0	1	SHCS	SHCS, 3/8-16 X 0.75 Long
	1	0	1	D1002717	Transport Handle Mounting Plate



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ASSEMBLY NO.

D0900293

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ICS KEY	REQ.	SPARE	TOTAL	PART NO.	DESCRIPTION
#	4	1	5	SHCS	SHCS, 1/4-20 X 1 Long
	1	0	1	D1001664	HAM STRUCTURE LIFT ASSEMBLY (OMCS-specific parts only)
	2	0	2	D1001792	OMCS Bracket, HAM Structure Lift
	4	0	4	D1001793	OMCS Bracket Clamp, HAM Structure Lift
#	4	1	5	SHCS	SHCS, 1/4-20 X 0.5 Long
KEY:					
*					Serial number of this part to be used as the next-level assembly serial number
#					Part not tracked in ICS