



PROJECT MATERIAL LIST

TITLE Large Core Optic Component Carrier Assembly, Beam Splitter Optic Carrier Assembly, Metrology Interface Top Plate Assembly

APPROVALS:	DATE	REV	DCN NO	BY	CHK	DCC	DATE
DRAWN: C. Conley	9-16-98	A	E960157-00	C.C.	D.C.		2-14-97
CHECKED:		B	E980214-00				
APPROVED:							
DCC RELEASE:							

<u>Part Number</u>	<u>Description</u>	<u>Per Unit</u>	<u>Total</u>
D961460	Large Core Optic Component Carrier Assy	unit	38
D961416	Cover	1	38
D961421	Base Plate	1	38
D961422	Teflon Base Pad	3	114
D961423	Side Pad	3	114
D961424	Teflon Base Cover	1	38
D961426	Pressure Disc	6	228
D961431	Captive Screw (from U-C Components C-2020-NA)	6	228
D961432	Standoff	1	38
D961440	Standoff Bracket (clevis)	1	38
D961442	Hinged Standoff	1	38
D961447	Captive Screw Bracket	1	38
D961448	Captive Screw Bracket, Locating	2	76
D961449	Top Plate	1	38
D961451	Handle Plate	2	76
D961452	Indexed Standoff	1	38
D961466	Pad Guide	2	76
D961469	Foot	3	114
D961470	Teflon Foot Pad	3	114
D961473	Standoff Clevis Pin (from .3750 dia., 303 stainless round)	1	38
D970001	Captive Screw Retaining Ring	6	228
D970005	Toggle Screw (NWestern Tools, 303 stainless, modified)	3	114
D970061	Seal Plate	1	38
D970166	Protective Sheet Bracket	1	38
D970167	Protective Sheet	2	76
D980367	Long Pad Guide	1	38
Camlok 2600-LW-7	quarter turn fastener retaining ring	12	456
Camlok 26S51-5	quarter turn fastener stud	12	456
Camlok 312-12S	quarter turn receptacle	12	456
Dimension Seal AS-13	7/16 i.d. x 1/16 o.d. viton o-ring	6	228
Dimension Seal AS-14	1/2 i.d. x 1/16 o.d. viton o-ring	1	38
General Seal 999	vulcanized spliced viton o-ring, 12.50 id x 5/16 dia x-section	1	38
HeliCoil 1185-4CN625	1/4-20 x 5/8 thread insert	6	228
Keensert KN420J	1/4-20 x 3/8 threaded insert	12	456
Keensert KNL420J	1/4-20 x 3/8 locking threaded insert	6	228
McM-Carr 1858A62	handle	2	76



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<u>Part Number</u>	<u>Description</u>	<u>Per Unit</u>	<u>Total</u>
D961460 (contd.)	Large Core Optic Component Carrier Assy	unit	38
McM-Carr 3408A45	3/16 dia ball plunger, 5-10 lb force	1	38
McM-Carr 90945A161	1/4 x 15/32 o.d. x 1/16 th flat washer	3	114
McM-Carr 91120A140	M5 x 9mm o.d. x .5mm th serrated washer	4	152
McM-Carr 91120A160	M6 x 11mm o.d. x .7mm th serrated washer	4	152
McM-Carr 91240A029	1/4-20 hex jam nut	3	114
McM-Carr 91654A076	#2 x .19 drive screw	24	912
McM-Carr 91810A108	#4-40 x 3/8 slotted rd hd screw	2	76
McM-Carr 91810A113	#4-40 x 3/4 slotted rd hd screw	3	114
McM-Carr 91839A005	#4-40 "Flexloc" hex nut	5	190
McM-Carr 92141A005	#4 x 5/16 o.d. x 1/32 th flat washer	7	266
McM-Carr 92141A009	#8 x 3/8 o.d. x 1/32 th flat washer	9	342
McM-Carr 92196A247	#10-24 x 1.0 soc btn hd screw	4	152
McM-Carr 92765A999	1/4-20 x 5/8 oval pt soc set screw	6	228
McM-Carr 92949A192	#8-32 x 3/8 soc btn hd screw	9	342
McM-Carr 92949A194	#8-32 x 1/2 soc btn hd screw	6	228
McM-Carr 92949A540	1/4-20 x 3/4 soc btn hd screw	4	152
McM-Carr 93085A147	#6-32 x 7/16 100 deg c.s. flt hd screw	9	342
McM-Carr 93085A148	#6-32 x 1/2 100 deg c.s. flt hd screw	6	228
McM-Carr 93085A999	1/4-20 x 5/8, 100 deg c.s. flt hd screw	6	228
McM-Carr 9435K36	.240 o.d., .56 free lng, 6.7 lb/in spring	3	114
McM-Carr 9540K58	rubber feet	6	228
McM-Carr 98437A029	1/4 split lock collar	18	684
NWestern Tools 44101	1/4-20 toggle screw, cres 303 special	3	114
NWestern Tools 45201	5/16 o.d. x 3/16 shoe	3	114
Prospect Fst DHO-9	9mm internal retaining ring	3	114
Prospect Fst N5001-37SS	3/8 shaft external retaining ring	2	76
Seastrom Mfg. 5709-138	7/16 dia x .030 th stainless steel expansion plug	6	228
Serv-O-Lite MRW-38	3/8 i.d. x 13/16 o.d. x .015 thick mylar flat washer	2	76
U-C Comp C-2010-NA	1/4-20 x 5/8 soc hd cap screw, silver plated	6	228
U-C Comp C-2016-NA	1/4-20 x 1.0 soc hd cap screw, silver plated	6	228
U-C Comp C-2020-NA	1/4-20 x 1-1/4 soc hd cap screw, silver plated	6	228
D961461	Beam Splitter Optic Carrier Assy	unit	7
D961416	Cover	1	7
D961421	Base Plate	1	7
D961422	Teflon Base Pad	3	21
D961423	Side Pad	3	21
D961424	Teflon Base Cover	1	7
D961426	Pressure Disc	6	42
D961431	Captive Screw (from U-C Components C-2020-NA)	6	42



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Part Number	Description	Per Unit	Total
D961461 (contd.)	Beam Splitter Optic Carrier Assy	unit	7
D961433	Standoff	1	7
D961440	Standoff Bracket (clevis)	1	7
D961443	Hinged Standoff	1	7
D961447	Captive Screw Bracket	1	7
D961448	Captive Screw Bracket, Locating	2	14
D961449	Top Plate	1	7
D961451	Handle Plate	2	14
D961453	Indexed Standoff	1	7
D961466	Pad Guide	2	14
D961469	Foot	3	21
D961470	Teflon Foot Pad	3	21
D961473	Standoff Clevis Pin (from .3750 dia., 303 stainless round)	1	7
D970001	Captive Screw Retaining Ring	6	42
D970005	Toggle Screw (NWestern Tools, 303 stainless, modified)	3	21
D970061	Seal Plate	1	7
D970166	Protective Sheet Bracket	1	7
D970170	Protective Sheet	2	14
D980367	Long Pad Guide	1	7
D980368	Standoff Spacer 1	1	7
D980370	Standoff Spacer 2	2	14
Camlok 2600-LW-7	quarter turn fastener retaining ring	12	84
Camlok 26S51-5	quarter turn fastener stud	12	84
Camlok 312-12S	quarter turn receptacle	12	84
Dimension Seal AS-13	7/16 i.d. x 1/16 o.d. viton o-ring	6	42
Dimension Seal AS-14	1/2 i.d. x 1/16 o.d. viton o-ring	1	7
General Seal 999	vulcanized spliced viton o-ring, 12.50 id x 5/16 dia x-section	1	7
HeliCoil 1185-4CN625	1/4-20 x 5/8 thread insert	6	42
Keensert KN420J	1/4-20 x 3/8 threaded insert	12	84
Keensert KNL420J	1/4-20 x 3/8 locking threaded insert	6	42
McM-Carr 1858A62	handle	2	14
McM-Carr 3408A45	3/16 dia ball plunger, 5-10 lb force	1	7
McM-Carr 90945A161	1/4 x 15/32 o.d. x 1/16 th flat washer	3	21
McM-Carr 91120A140	M5 x 9mm o.d. x .5mm th serrated washer	4	28
McM-Carr 91120A160	M6 x 11mm o.d. x .7mm th serrated washer	4	28
McM-Carr 91240A029	1/4-20 hex jam nut	3	21
McM-Carr 91654A076	#2 x .19 drive screw	24	168
McM-Carr 91810A108	#4-40 x 3/8 slotted rd hd screw	2	14
McM-Carr 91810A113	#4-40 x 3/4 slotted rd hd screw	3	21
McM-Carr 91839A005	#4-40 "Flexloc" hex nut	5	35
McM-Carr 92141A005	#4 x 5/16 o.d. x 1/32 th flat washer	7	49



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<u>Part Number</u>	<u>Description</u>	<u>Per Unit</u>	<u>Total</u>
D961461 (contd.)	Beam Splitter Optic Carrier Assy	unit	7
McM-Carr 92141A009	#8 x 3/8 o.d. x 1/32 th flat washer	9	63
McM-Carr 92196A247	#10-24 x 1.0 soc btn hd screw	4	28
McM-Carr 92765A999	1/4-20 x 5/8 oval pt soc set screw	6	42
McM-Carr 92949A192	#8-32 x 3/8 soc btn hd screw	9	63
McM-Carr 92949A194	#8-32 x 1/2 soc btn hd screw	6	42
McM-Carr 92949A540	1/4-20 x 3/4 soc btn hd screw	4	28
McM-Carr 93085A147	#6-32 x 7/16 100 deg c.s. flt hd screw	9	63
McM-Carr 93085A148	#6-32 x 1/2 100 deg c.s. flt hd screw	6	42
McM-Carr 93085A999	1/4-20 x 5/8, 100 deg c.s. flt hd screw	6	42
McM-Carr 9435K36	.240 o.d., .56 free lng, 6.7 lb/in spring	3	21
McM-Carr 9540K58	rubber feet	6	42
McM-Carr 98437A029	1/4 split lock collar	18	126
NWestern Tools 44101	1/4-20 toggle screw, cres 303 special	3	21
NWestern Tools 45201	5/16 o.d. x 3/16 shoe	3	21
Prospect Fst DHO-9	9mm internal retaining ring	3	21
Prospect Fst N5001-37SS	3/8 shaft external retaining ring	2	14
Seastrom Mfg. 5709-138	7/16 dia x .030 th stainless steel expansion plug	6	42
Serv-O-Lite MRW-38	3/8 i.d. x 13/16 o.d. x .015 thick mylar flat washer	2	14
U-C Comp C-2010-NA	1/4-20 x 5/8 soc hd cap screw, silver plated	6	42
U-C Comp C-2016-NA	1/4-20 x 1.0 soc hd cap screw, silver plated	6	42
U-C Comp C-2020-NA	1/4-20 x 1-1/4 soc hd cap screw, silver plated	6	42
D961468	Metrology Interface Top Plate Assy	unit	2
D961431	Captive Screw (from U-C Components C-2020-NA)	6	12
D961447	Captive Screw Bracket	1	2
D961448	Captive Screw Bracket, Locating	2	4
D961466	Pad Guide	2	4
D961467	Metrology Interface Top Plate	1	2
D961469	Foot	3	6
D961470	Teflon Foot Pad	3	6
D970001	Captive Screw Retaining Ring	6	12
D970005	Toggle Screw (NWestern Tools, 303 stainless, modified)	3	6
D980367	Long Pad Guide	1	2