

REV	D	APPLICATION	
		NEXT ASSY	USED ON
SHT	1		
NAVSEA DRAWING NO	6872813		

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	RELEASED AS REVISION A.	10/5/94	
B	UPDATE OF REVISION A.	3/24/95	
C	UPDATE OF REVISION B.	9/30/99	
D	UPDATE OF REVISION C	9/01/20	

9/1/2020

X C.Good
 Christopher Good
 Fiber CHENG
 Signed by: GOOD.CHRISTOPHER.A.1280374500

ESWBS
499

NOTES:

- IDENTIFICATION OF THE SUGGESTED ITEMS HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY.
- SUBSTITUTION OF ITEMS IS NOT ALLOWED WITHOUT APPROVAL OF THE DESIGN ACTIVITY, NAVAL SURFACE WARFARE CENTER DAHLGREN DIVISION, CODE A31.
- INDIVIDUAL ITEMS SHALL BE PROCURED USING THE VENDOR PART NUMBER.
- COMPLETE KITS SHALL BE PROCURED USING THE BASE DRAWING NUMBER ONLY.
- QUANTITIES SHOWN ARE FOR THE INDIVIDUAL ITEMS AND MAY NOT CORRESPOND TO THE QUANTITY SUPPLIED FOR THE VENDOR PART NUMBER LISTED.
- ITEM 43 IS AN ALTERNATE ITEM FOR ITEM 28. EITHER ITEM 28 OR ITEM 43 IS TO BE PROVIDED.
- ITEM 26 IS NOT TO BE SUPPLIED WITH COMPLETE KITS.

REV STATUS OF SHEETS	REV	D	D	D	D	D														
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:	CAGE CODE CONTRACT NO.			DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20362-5101					
	APPROVED	D. KNUDSEN	9/30/99						
FRACTIONS +/-	DECIMALS .xx+/-	ENGINEER	G. BROWN	9/30/99	TOOL KIT, HD CONNECTOR (MIL-C-28876), FIBER OPTIC, NAVY SHIPBOARD				
ANGLES P	.xxx+/-	CHECKED	E. BLUEBOND	9/30/99					
DO NOT SCALE DRAWING		PREPARED	G. BROWN	9/30/99					
MATERIAL:	ACCEPTED FOR NAVSEA	H. LEWIS		9/30/99	SIZE	CAGE	ESWBS	DRAWING NO.	REV
FINISHES:	APPROVED BY NAVSEA	SIGNATURE DOES NOT DENOTE APPROVAL			A	53711	499	6872813	D
(SIGN ONLY IF ENGINEERING HAS BEEN PROVED BY MANUFACTURE AND TEST)				SCALE: NONE	UCI	WT GRP	SHEET 1 of 5		

ESWBS NAVSEA DRAWING NO. 6872813 SHT 3 REV D

ITEM NO.	NATIONAL STOCK NUMBER	QTY REQD	① COMBINATION OF ADOPTED ITEMS	RECOMMENDED TOOLS (TL)
NA	5180 01 416 0567	-	NAVY SHIPBOARD, MIL-C-28876 FIBER OPTIC TOOL KIT, COMPOSED OF:	
1	5120 00 230 6380	1	TORQUE WRENCH, 3/8" DRIVE	TL-0090
2	5120 01 144 5338	1	INSERTION TOOL, TERMINUS	TL-0040
3	6080 01 377 4502	1	POLISHING PLATE GLASS 6x6x.25"	TL-0062
4	5120 01 419 2942	1	INSERTION/REMOVAL TOOL, ALIGNMENT SLEEVE	TL-0042
6	5998 01 147 0198	1	REMOVAL TOOL, TERMINUS	TL-0065
7	5110 01 419 4360	1	CLEAVER, FIBER OPTIC	TL-0014
8	5110 01 419 3137	1	STRIP TOOL, CABLE JACKET	TL-0012
9	5110 01 419 4361	1	STRIP TOOL, BUFFER	TL-0079
10	5110-00-246-0975	1	STRIPPER, OFCC, 18 AWG (.0395)	TL-0080
11	6230 01 419 5898	1	FLASHLIGHT	TL-0034
12	5120 00 725 7347	1	SCALE, 6"	TL-0069
13	6635 01 232 9536	1	TWEEZERS	TL-0094
14	6540 01 443 7953	1	SPECTACLES, NYLON UTILITY FLEX HEAD	TL-0071
15	5120 01 145 5172	1	INSERTION TOOL 90 deg	TL-0038

SIZE A	CAGE 53711	ESWBS 499	DRAWING NO. 6872813	REV D
SCALE: NONE UCI		WT GRP	SHEET 3 of 5	

ESWBS 499
 NAVSEA DRAWING NO. 6872813
 SHT 3
 REV D

ITEM NO.	NATIONAL STOCK NUMBER	QTY REQD	① COMBINATION OF ADOPTED ITEMS	RECOMMENDED TOOLS (TL)
16	5110 01 419 5283	1	SHEARS, KEVLAR CUTTING	TL0045
17	5120 01 419 3730	1	CRIMP TOOL	TL-0017
18	5120 01 419 3142	1	POLISHING TOOL	TL-0064
19	NONE	-	CURING OVEN ASSEMBLY COMPOSED OF:	TL-0028
	4430 01 419 6384	1	CURING OVEN	
	6070 01 420 7682	1	HEATER BLOCK	
	6070 01 420 0522	16	CURE ADAPTERS	
	6070 01 430 4607	1	CABLE STAND	
	5365 01 420 3692	1	CABLE STAND RING	
	5340 01 422 2168	2	CABLE CLIPS	
20	8125 01 439 5367	1	DISPENSER SOLVENT 4 oz, LEAK PROOF	TL-0030
21	6650 00 994 6883	1	EYE LOUPE 7X FOR VIEWING FIBER	TL-0033
22	7920 01 321 6791	25	CLOTH CLEANING, WHITE	TL-0016
23	5350 01 376 9388	1	POLISHING PAPER, 1 MICRON ALUMINUM OXIDE, MYLAR BACK SHEET, 5.5"x5.5" MIN, 50 PK	TL-0057
24	5350 01 420 1454	1	POLISHING PAPER, 5 MICRON ALUMINUM OXIDE, FOAM BACK SHEET, 5.5"x5.5" MIN, 50 PK	TL-0058
25	8040 01 421 3510	6	EPOXY, BI-PACK, MIL-A-24792	TL-0032
26	6505 00 205 6513	1	ISOPROPYL ALCOHOL, 99% PURE ANHYDROUS	TL-0044
27	5120 01 438 6563	5	SYRINGE WITH TWIST ON DISPENSING NEEDLES, 3mL CAPACITY FOR DISPENSING EPOXY	TL-0082

SIZE A	CAGE 53711	ESWBS 499	DRAWING NO. 6872813	REV D
SCALE: NONE UCI		WT GRP	SHEET 3 of 5	

REV D
SHT 4
NAVSEA DRAWING NO. 6872813
ESWBS 499

ITEM NO.	NATIONAL STOCK NUMBER	QTY REQD	① COMBINATION OF ADOPTED ITEMS	RECOMMENDED TOOLS (TL)
28	NONE 6650 01 420 0232 6650 01 420 0231 6650 01 420 0233 6070 01 421 1234 6240 00 155 7786	- 1 1 1 1 1	MICROSCOPE, 400X COMPOSED OF: MICROSCOPE BODY WITH IR FILTER 20X EYEPIECE 20X OBJECTIVE CONNECTOR MOUNT, 1/8"-1/4" INCANDESCENT LAMP	TL-0049
29	5120 01 355 1622	1	SOCKET, SOCKET WRENCH 1/4" HEX ADAPTER FOR 3/8" DRIVE	TL-0070
30	8125 01 428 8839	1	WATER BOTTLE, 4 oz SQUEEZE WITH CAP	TL-0097
31	6838 01 038 4517	1	CANNED AIR	TL-0013
32	9505 01 376 9398	1	125 UM CONNECTOR CLEANING WIRE (3 EA) WITH CONTAINER	TL-0001
33	NONE	1	TOOLKIT CASE, MULTIPLE REMOVABLE TERMINI, FIBER OPTIC, NAVY SHIPBOARD	TL-0086
34	5120 01 419 3283	1	BACKSHELL WRENCH, C-TYPE	TL-0004
35	5120 01 420 2445	1	DUAL-POST, TORQUE WRENCH ADAPTER, SHELL SIZE 11	TL-0091
36	5120 01 420 2444	1	TRI-POST, TORQUE WRENCH ADAPTER, SHELL SIZE 13	TL-0092
37	5120 01 420 2446	1	TRI-POST, TORQUE WRENCH ADAPTER, SHELL SIZE 15	TL-0093
38	5120 01 424 7866	1	O-RING INSTALLATION TOOL SHELL SIZE 11	TL-0052
39	5120 01 424 7867	1	O-RING INSTALLATION TOOL SHELL SIZE 13	TL-0053
40	5120 01 424 7868	1	O-RING INSTALLATION TOOL SHELL SIZE 15	TL-0054

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ITEM NO.	NATIONAL STOCK NUMBER	QTY REQD	① COMBINATION OF ADOPTED ITEMS	RECOMMENDED TOOLS (TL)
41	NONE	1	POLISHING PAPER, 0.1 MICRON DIAMOND, MYLAR BACK SHEET, 5.5"x5.5" MIN, 3 SHTS	TL-0060
42	NONE	1	RESILIENT PAD, 70 TO 90 DUROMETER, 5.5"x5.5" MIN	TL-0067
43	NONE	-	ALTERNATE MICROSCOPE, 400X COMPOSED OF:	TL-0050
	NONE	1	MICROSCOPE BODY WITH IR FILTER	
	6650 01 420 0231	1	20X EYEPIECE	
	6650 01 420 0233	1	20X OBJECTIVE	
	NONE	1	INCANDESCENT LAMP	
44	NONE	1	O-RING INSTALLATION TOOL SHELL SIZE 23	TL-0055
45	NONE	1	CONNECTOR CLEANING TAPE CASSETTE, REEL CLEANER TYPE	TL-0115

FOR A COMPLETE LIST OF VENDORS APPROVED TO MANUFACTURE AND SELL, PLEASE SEE THE NAVY APPROVED FIBER OPTIC TOOLS LIST ON THE NAVY SHIPBOARD FIBER OPTIC WEBSITE LOCATED AT <https://www.navsea.navy.mil/Home/Warfare-Centers/NSWC-Dahlgren/What-We-Do/Navy-Shipboard-Fiberoptics>, OR EMAIL DLGR_NSWC_foweb@navy.mil. VENDOR PART NUMBERS ARE ALSO LOCATED ON THE WEBSITE.

SIZE A	CAGE 53711	ESWBS 499	DRAWING NO. 6872813	REV D
SCALE: NONE UCI		WT GRP	SHEET 5 of 5	