| REV | SHT | NAVSEA DRAWING NO. | ESWBS |
|---|---|---|---|
| C | 1 | 6872811 | 499 |

| APPLICATION | |
|---|---|
| NEXT ASSY | USED ON |
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| | |
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| | |

| 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 | |

NOTES:

1. IDENTIFICATION OF THE SUGGESTED ITEMS HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY.
2. SUBSTITUTION OF ITEMS IS NOT ALLOWED WITHOUT APPROVAL OF THE DESIGN ACTIVITY, NAVAL SURFACE WARFARE CENTER, CODE B35.
3. INDIVIDUAL ITEMS SHALL BE PROCURED USING THE VENDOR PART NUMBER.
4. COMPLETE KITS SHALL BE PROCURED USING THE BASE DRAWING NUMBER ONLY.
5. QUANTITIES SHOWN ARE FOR THE INDIVIDUAL ITEMS AND MAY NOT CORRESPOND TO THE QUANTITY SUPPLIED FOR THE VENDOR PART NUMBER LISTED.
6. ITEM 38 IS AN ALTERNATE ITEM FOR ITEM 25. EITHER ITEM 25 OR ITEM 38 IS TO BE PROVIDED.
7. ITEM 23 IS NOT TO BE SUPPLIED WITH COMPLETE KITS.
8. THIS KIT ALSO SUPPORTS THE SC CONNECTOR (TIA-604-3).

| REV STATUS OF SHEETS | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| REV | C | C | C | A | | | | | | | | | | | | | | | | | |
| SHEET | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:

FRACTIONS +/- DECIMALS .XX+/- ANGLES .XXX+/- P

DO NOT SCALE DRAWING

MATERIAL:

FINISHES:

| CAGE CODE CONTRACT NO. | | |
|---|---|---|
| APPROVED | D. KNUDSEN | 9/30/99 |
| ENGINEER | G. BROWN | 9/30/99 |
| CHECKED | E. BLUEBOND | 9/30/99 |
| PREPARED | G. BROWN | 9/30/99 |
| ACCEPTED FOR NAVSEA | H. LEWIS | 9/30/99 |
| | SIGNATURE DOES NOT DENOTE APPROVAL | |
| APPROVED BY NAVSEA | (SIGN ONLY IF ENGINEERING HAS BEEN "PROVED" BY MANUFACTURE AND TEST) | |

DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
WASHINGTON, D.C. 20362-5101

TOOL KIT, ST CONNECTOR (MIL-C-83522), FIBER OPTIC, NAVY SHIPBOARD

| SIZE | CAGE | ESWBS | DRAWING NO. | REV |
|---|---|---|---|---|
| A | 53711 | 499 | 6872811 | C |

SCALE: NONE | UCI | WT GRP | SHEET 1 OF 4

| REV C | SHT 2 | NAVSEA DRAWING NO. 6872811 | ESWBS 499 |
|---|---|---|---|

| ITEM NO. | NATIONAL STOCK NUMBER | QTY REQD | (1) COMBINATION OF ADOPTED ITEMS | CAGE CODE | PART OR IDENTIFYING NUMBER |
|---|---|---|---|---|---|
| NA | 5180 01 416 0565 | – | NAVY SHIPBOARD, MIL-C-83522 FIBER OPTIC TOOL KIT, COMPOSED OF: | 53711 | 6872811 |
| 1 | 5120 01 419 3735 | 1 | CRIMPER | 30119<br>OMP99 | 28-500<br>2100 |
| 2 | 5120 01 419 4363 | 1 | SINGLE DIE SET FOR ITEM NO. 1 HAVING .090 AND .105 INDENT RING AND .190 HEX (FOR MIL-C-83522) | 30119 | 28-401 |
| 3 | 6080 01 377 4502 | 1 | POLISHING PLATE GLASS 6x6x.25" | 64959<br>08RC6 | 105 075 618<br>0700-4110 |
| 5 | 6675 01 420 5614 | 1 | TEMPLATE, CUT LENGTH | 08RC6 | 0700-3870 |
| 6 | 6650 00 994 6883 | 1 | EYE LOUPE 7X FOR FIBER VIEWING | 06175<br>4M564 | 6542039<br>ELP-174 10X |
| 7 | 5110 01 419 4360 | 1 | CLEAVER, FIBER OPTIC | 08RC6<br>23975 | 0700-3750<br>58905-600 |
| 8 | 5110 01 419 3137 | 1 | CABLE JACKET STRIPPING TOOL | 5Z102<br>1EZR2 | PA 1820<br>200-009 |
| 9 | 5110 01 419 4361 | 1 | STRIP TOOL. OPTICAL FIBER | 59984<br>08RC6 | MS1-08S-40-FS<br>0700-3070 |
| 10 | 5110-00-246-0975 | 1 | STRIPPER, OFCC, 18 AWG (.0395) | 75347<br>64959 | 11045<br>104 278 478 |
| 11 | 6230 01 419 5898 | 1 | FLASHLIGHT | 62576<br>7J761 | 230<br>1900C |
| 12 | 5210 00 725 7347 | 1 | SCALE, 6" | 81348<br>32445 | GGG-R-79<br>SS-6 |
| 13 | NONE | – | CURING OVEN ASSEMBLY COMPOSED OF: | 08RC6 | 0701-4005 |
| | 4430 01 419 6383 | 1 | CURING OVEN | 08RC6 | 0701-4015 |
| | 6070 01 420 7682 | 1 | HEATER BLOCK | 08RC6 | 0701-4020 |
| | 6070 01 430 4607 | 1 | CABLE STAND | 08RC6 | 0701-4030 |
| | 5365 01 420 3692 | 1 | CABLE STAND RING | 08RC6 | 0701-4040 |
| | 5340 01 422 2168 | 2 | CABLE CLIPS | 08RC6 | 0701-4060 |

| SIZE | CAGE | ESWBS | DRAWING NO. | REV |
|---|---|---|---|---|
| A | 53711 | 499 | 6872811 | C |

| SCALE: NONE | UCI | WT GRP | SHEET 2 |
|---|---|---|---|

| ITEM NO. | NATIONAL STOCK NUMBER | QTY REQD | (1) COMBINATION OF ADOPTED ITEMS | CAGE CODE | PART OR IDENTIFYING NUMBER |
|---|---|---|---|---|---|
| 14 | 6540 01 443 7953 | 1 | SPECTACLES, NYLON UTILITY<br>FLEX HEAD | 75347<br>7J761 | 60050<br>TK110 |
| 15 | 8125 01 439 5367 | 1 | DISPENSER SOLVENT 4 oz<br>LEAK PROOF | 33092 | 3714 |
| 16 | 5110 01 419 5283 | 1 | KEVLAR SHEARS | 71827<br>0KN34 | 86 1/2S<br>744 |
| 17 | 6838 01 038 4517 | 1 | CANNED AIR | 21267<br>09ZF6 | ES1220<br>3507 |
| 18 | 7920 01 321 6791 | 25 | CLOTH, CLEANING, WHITE | 21994<br>54700 | TX404<br>TECH 2351-100 |
| 19 | 5350 01 376 9388 | 25 | POLISHING PAPER, 1 MICRON<br>ALUMINUM OXIDE, MYLAR<br>BACK SHEET, 5.5"x5.5" MIN | 64959<br>41946 | 105 076 798<br>915-01-301 |
| 20 | 5350 01 420 1454 | 25 | POLISHING PAPER, 5 MICRON<br>ALUMINUM OXIDE, FOAM<br>BACK SHEET, 5.5"x5.5" MIN | 64959<br>41946 | 105 488 175<br>915-05-604 |
| 21 | 8040 01 421 3510 | 6 | EPOXY, BI-PACK, MIL-A-24792 | 64959<br>22835 | 105 489 355<br>F112 |
| 22 | 5120 01 438 6563 | 5 | SYRINGE WITH TWIST ON<br>DISPENSING NEEDLES, 3 mL | 0HLY3<br>08RC6 | FT3ML<br>0700-5100 |
| 23 | 6505 00 205 6513 | 1 | ISOPROPYL ALCOHOL,<br>99% PURE ANHYDROUS | 61757 | NDC00395-1243-16 |
| 24 | 9505 01 376 9398 | 1 | 125 UM CONNECTOR CLEANING<br>WIRE (3 EA) WITH CONTAINER | 0HLY3<br>08RC6 | F1-8265<br>0700 3210 |
| 25 | NONE | - | MICROSCOPE, 400X, COMPOSED OF: | - | - |
| | 6650 01 420 0232 | 1 | MICROSCOPE BODY WITH IR FILTER | 0F735 | 31 22 70 |
| | 6650 01 420 0231 | 1 | 20X EYEPIECE | 0F735 | 31 22 73 |
| | 6650 01 420 0233 | 1 | 20X OBJECTIVE | 0F735 | 31 22 82 |
| | 6070 01 421 1234 | 1 | CONNECTOR MOUNT, 1/8"-1/4" | 0F735 | 31 22 85 |
| | 6240 00 155 7786 | 1 | INCANDESCENT LAMP | 08806 | PR2 |
| 26 | 8125 01 428 8839 | 1 | WATER BOTTLE, 4 oz<br>SQUEEZE WITH CAP | 5X927<br>08RC6 | 41115LE<br>0700-9700 |

| ITEM NO. | NATIONAL STOCK NUMBER | QTY REQD | (1) COMBINATION OF ADOPTED ITEMS | CAGE CODE | PART OR IDENTIFYING NUMBER |
|---|---|---|---|---|---|
| 27 | 6070 01 420 0551 | 12 | CURE ADAPTER, FOR MIL-C-83522 | 64959<br>08RC6 | 104 153 937<br>0700-1450 |
| 29 | NONE | 1 | TOOLKIT CASE, SINGLE TERMINUS CONNECTOR, FIBER OPTIC, NAVY SHIPBOARD. | 08RC6 | 0701-7100 |
| 30 | NONE | 1 | POLISHING TOOL, FOR MIL-C-83522 AND TIA-604-3 | 08RC6<br>64959 | 0700-1740<br>106 918 980 |
| 31 | NONE | 3 | POLISHING PAPER, 0.1 MICRON DIAMOND, MYLAR BACK SHEET, 5.5" DIAMETER MIN | 41946 | 903-0.1SP |
| 32 | NONE | 1 | MIL-C-83522 BOOT RING TOOL | 0YPM2<br>08RC6 | FSTF0371<br>0701-3070 |
| 33 | NONE | 1 | CRIMP TOOL WITH DIE SET HAVING .195, .140, AND .110 CIRCULAR CAVITIES, FOR TIA-604-3 | 00779<br>08RC6 | 492026-1<br>0700-1645 |
| 34 | NONE | 1 | RESILIENT PAD, 70 TO 90 DUROMETER, 5.5"x5.5" MIN | 76381<br>41946 | 78-8073-7525-4<br>960-00071 |
| 35 | NONE | 6 | CURE ADAPTER, FOR TIA-604-3 | 08RC6 | 0700-1455 |
| 36 | NONE | 1 | TEMPLATE, CUT LENGTH, TIA-604-3 | 08RC6 | 0100-1045 |
| 37 | NONE | 2 | HYBRID ADAPTER, MIL-C-83522 TO TIA-604-3 | 00779 | 503638-2 |
| 38 | NONE | - | ALTERNATE MICROSCOPE, 400X COMPOSED OF: | - | 0700-8601 |
| | NONE | 1 | MICROSCOPE BODY WITH IR FILTER | 08RC6 | 0700-8612 |
| | 6650 01 420 0231 | 1 | 20X EYEPIECE | 08RC6 | 0700-8631 |
| | 6650 01 420 0233 | 1 | 20X OBJECTIVE | 08RC6 | 0700-8652 |
| | NONE | 1 | INCANDESCENT LAMP | 08RC6 | 0700-8675 |