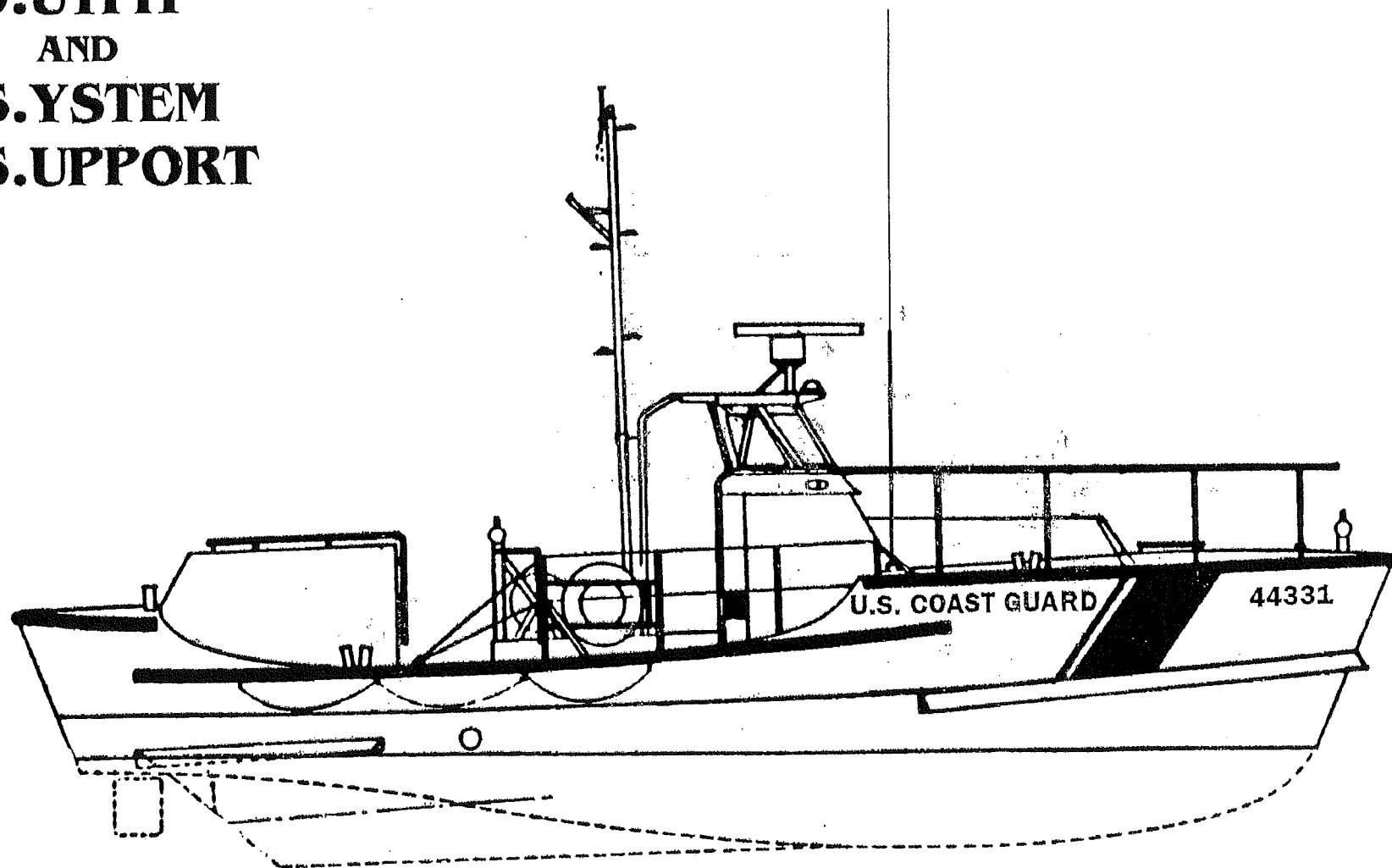


ELCINST M4441.72D

44' MOTOR LIFEBOAT

B.OAT
O.UTFIT
AND
S.YSTEM
S.UPPORT



INTRODUCTION
44' MLB MANUAL
ENGINEERING LOGISTICS CENTER M4441.72D

1. SCOPE

- a. This manual contains a listing of **RECOMMENDED** repair parts, outfit items, and special tools for the support and performance of Station and Group maintenance on the 44' MLB.
- b. The manual has been prepared based on a standardized configuration resulting from the last group of boats built, maintenance requirements from service manuals, boat alterations, and allowance change requests. The equipment listed here represents the equipment presently installed on the majority of 44' MLB and the standard for equipment found on this class boat only. If the equipment on board is not listed in the manual, local support is then required. When the installed equipment can no longer be supported locally, then the listed equipment can be ordered as complete unit replacements.
- c. Any questions concerning your boat, relative to this manual, can be discussed by contacting CG Engineering Logistics Center, Standard Boat Section, Commercial Number (410) 762-6181.
- a. The Repair Parts are listed in figure number sequence. Requirements at the Station and Group levels, for PMS and minor maintenance are provided. This includes items which must be removed for replacement. These items are listed by assembly group in top down breakdown sequence. Components and the kits and sets are listed by the assembly (i.e.: A, B, C, etc.) to which they belong and are referenced to the National Stock Number (NSN) of the kit or set. NOTE: Items in FIGURE GROUPS which are NOT ILLUSTRATED are listed by description sequence. Look for these items by NOUN NAME under their relative FIGURE NUMBERS.
- b. The Boat Outfit Items are listed as Per ELCINST M4441.72D. The Boat Outfit List is listed under FIG 600. These items are required by G-OCS to be on board the 44' MLB while the boat is underway or is transferred to another unit.
- c. NUMBER PER EQUIPMENT column indicates the quantity to complete an assembly to which this part is attached.
- d. BOATS PER STATION/GROUP columns indicates the RECOMMENDED shore station spare parts. These stock levels may vary from station to station and from group to group. Operating units using the 44' MLB should adjust these recommended stock levels to best suit their boats operational and maintenance needs.

2. GENERAL

Section II is a listing of Repair Parts, Boat Outfit Items, and Special Tools.

3. EXPLANATION OF COLUMNS FOR REPAIR PARTS,
OUTFIT, AND SPECIAL TOOLS LISTING:

- a. **FIGURE HEADINGS** - are located at the beginning of each section. These FIG HEADINGS uniquely identify the illustration and/or parts listing to which an item belongs. Each FIGURE has an illustrated breakdown with a sequential parts list that makes up an end item (Ex: FIG 167, HULL STRUCTURAL CLOSURES).
 - b. **FIG ITEM NO.** - **FIGURE ITEM NUMBER** - is the sequential number which uniquely identifies a part on an illustration and is referred to in this column under its group parts listing.
 - c. **CAGEC** - **COMMERCIAL AND GOVERNMENT ENTITY CODE** - is a five position alpha/numeric code. The CAGEC is assigned to the United States and Canadian organizations which manufacture and/or control the design of items supplied to the government. (SEE LISTING ON PAGE I-15 FOR CAGEC USED IN THIS MANUAL)
 - d. **NATIONAL STOCK NUMBER** - is a 13 character numeric code recorded in the Federal Supply System to identify an item of supply and is used for requisitioning purposes. The NSN is composed of a four digit Federal Supply Classification Code (FSC) and a nine digit National Item Identification Number (NIIN). The NIIN uniquely identifies each NSN item in the Federal Supply System.
 - e. **PART NUMBER** - is a multi-character alphabetic, numeric or alpha-numeric code assigned by the Manufacturer or controlling source of the item.
 - f. **DESCRIPTION** - is the item's actual Noun Name and can include any distinguishing descriptive data; For example: physical characteristics, dimensions and material make up.
 - g. **SOS** - **SOURCE OF SUPPLY** - is a three character code that identifies a specific supply and distribution organization, or requisition processing point. (SEE LISTING ON PAGE I-7 FOR SOS CODES USED IN THIS MANUAL)
 - h. **AAC** - **ACQUISITION ADVICE CODE** - is a one character alphabetic code that indicates how (rather than where) and under what restrictions an item of supply will be acquired. (SEE LISTING ON PAGE I-8 FOR AACs USED IN THIS MANUAL)
 - i. **U/I** - **UNIT OF ISSUE** - is a two character alphabetic code that denotes a physical measurement or count by which an item is issued. It represents the number of items received for each unit under the NSN ordered.
- NOTE:** (SEE LISTING ON PAGE I-5 FOR ABBREVIATIONS USED IN THIS MANUAL)
- j. **NUMBER PER EQUIPMENT** - is the number of individual items, components, sub-assemblies, and assemblies that when combined makes up the entire equipment illustrated.

- k. SMR - SOURCE, MAINTENANCE, and RECOVERABILITY - These codes are best described by the following example and description of each of its segments:

PAOZZ

PA - SOURCE

O MAINTENANCE (REPLACEMENT)
Z (REPAIR/PMS)

Z - RECOVERABILITY

- (1) SOURCE CODES - a two character alphabetic code which indicates where and how an item can be acquired:

KT - An item of a maintenance kit that can not be purchased separately. You can obtain these items through the Federal Stock System or the manufacturer and local procurement.

PA - Item is stocked in the Federal Supply System for anticipated use; item is not deteriorative in nature.

PB - Item is stocked in the Federal Supply System for insurance purposes. A minimum quantity will be available through the Federal Supply System.

PC - Item stocked in the Federal Supply System and which otherwise would be coded PA except that it is deteriorative in nature.

MO - Item to be manufactured or fabricated at unit level.

XB - Indicates an item is not stocked within the Federal Supply System, but can be centrally ordered if not available locally.

- (2) Maintenance Codes - These consist of a two digit code with the first position indicating the lowest level authorized to remove or replace an item (replacement code); the second position indicates the lowest level authorized to perform repairs beyond preventative maintenance (repair code).

REPLACEMENT CODES:

- (O) - Station (Crew)
- (G) - Group
- (H) - Intermediate Activity
- (D) - District, MLC, ELC

REPAIR CODES:

- (O) - Station (Crew)
- (G) - Group
- (H) - Intermediate Activity
- (D) - District, MLC, ELC
- (Z) - Non Repairable (Consumable)

- (3) Recoverability Codes - a one character alphabetic or numeric code indicating the lowest level authorized to dispose of an item. Refer to item's Federal Supply System Repairability Code (RC) in the ML-C Micro fiche for guidance.

- (O) - Station (Crew)
- (G) - Group
- (H) - Intermediate Activity
- (D) - District, MLC, ELC
- (Z) - Non Repairable - ELC considers this item to be a consumable. Do not return this item to the ELC

1. BOATS PER STATION - indicates the recommended station allowance for an item. Look under the sub-column with the number of boats assigned to your station in order to determine your station's allowance.

m. BOATS PER GROUP - indicates the recommended group allowance for an item. Look under the sub-column with the number of boats assigned to your group (1-6 or 7-up) in order to determine your group's allowance.

4. SPECIAL INFORMATION

Some common hardware items (such as: nuts, bolts, screws, etc.) are not depicted in this manual. In general, most hardware used is steel, cadmium plated steel, brass or aluminum.

5. HOW TO LOCATE REPAIR PARTS

a. When the National Stock Number, Reference Number, or Part Number is unknown:

EXAMPLE: BOLT, CYLINDER HEAD

(1) Using the Table of Contents, determine the FIGURE assembly group within which the repair part belongs, in this case HEAD ASSEMBLY. (Necessary since parts are listed in their relative assembly and will fall in the same group whenever illustrated). NOTE the Page No. and Figure (e.g. Page No. II-27, Figure 233-02).

(2) Find the illustration when applicable, covering the FIGURE assembly to which the repair part belongs.

(3) Identify the repair part on the illustration. Note the number assigned to the individual part you are seeking (e.g. 1).

(4) Refer to the REPAIR PARTS listing (Section II) and look for the FIGURE heading of the group you want (e.g. FIG 233-02, HEAD ASSEMBLY).

(5) Under the column FIG ITEM NO. locate the item you want (e.g. 1 ; BOLT, CYLINDER HEAD. The NSN is 5306-00-792-8248, the SOS is S9I, the AAC is D, the U/I is EA, and there are sixteen of its kind on in the engine (NUMBER PER EQUIPMENT). It is stocked in the Federal Supply System (PA), is authorized for replacement at the station level (O), and is non repairable (ZZ).

*NOTE: At the bottom of each page there is an index indicating the range of items located on the page to aid you in locating the groups and items in this listing. (Example: On page II-6 you will see that the items appearing on that particular page range from FIG 163-01 ITEM :A to FIG 163-01 ITEM :C).

b. When the National Stock Number or Part Number is known:

(1) Refer to the Cross References, NIIN (SECTION III) or Part Number (SECTION IIIB), to find the correct National Stock Number or part number.

**These cross references, Section IIIA are by ascending order in numeric-alpha sequence (Numbers beginning with a letter will follow numbers beginning with a digit) cross-referenced to the illustration FIGURE NUMBER and FIGURE ITEM NUMBER.

(2) Refer to the Repair Parts listing or illustrations to find the assembly group of the repair part by the illustration FIGURE NUMBER and FIGURE ITEM NUMBER referred to in the NIIN (SECTION IIIA) or Part Number (SECTION IIIB) cross-references.

c. When the National Stock Number or part number is known and the repair part is not illustrated or the group heading is unknown:

(1) Refer to the NIIN or Part Number cross references to find the pertinent NSN or part number and note the group FIGURE NUMBER and the FIGURE ITEM NUMBER of the grouping that is referred to.

(2) Locate the group FIGURE NUMBER and FIGURE ITEM NUMBER under that heading in the Repair Parts listing in SECTION II.

6. ABBREVIATIONS

A/H	Ampere Hour
AAC	Acquisition Advice Code
AL	Aluminum
AMP	Ampere
APPROX	Approximate
ASREQ	As Required
ASTM	American Society for Testing Materials
ASSY	Assembly
BRG	Bearing
BRK	Brake
BRZ	Bronze
BTU	British Thermal Unit
CE	Commutator End
CN	Can
CNTR	Container
CNTRSNK	Countersink
CONUS	Continental United States
CP	Candle Power
CPSTL	Cadmium Plated Steel
CRS	Corrosion Resistant Steel
CSINK	Countersink
CU-NI	Copper Nickel
DBL	Double
DC	Direct Current
DEG	Degree
DEND	Double End
DIA	Diameter
DK	Deck
DP	Double Pole
DZ	Dozen
EA	Each
EMER	Emergency
ENG	Engine

EQPT	Equipment		
F	Fahrenheit	MFD	Manifold
FLT	Flat	MHOF	Multiple Conductor, Heat and Oil Resistant, Flexible
FNPT	Fine National Pipe Thread		Miniature
FP	Fuel Pump	MNTR	
FSN	Federal Stock Number		
FT	Foot	MNPT	Medium National Pipe Thread
FWD	Forward	MTG	Mounting
GALV	Galvanized	NAVI	Navigation
GL	Gallon	NC	National Course Thread
GPH	Gallons Per Hour		
GPM	Gallons Per Minute	NCM	Non Corrosive Metal
GU/GA	Gauge	NEG	Negative
HD	Hundred or Head	NIMSC	Non-Consumable Item Material
HEX	Hexagon		Support Code
HX	Hex	NF	National Fine Thread
HZ	Hertz	NO.	Number
HR	Hour	NPN	No Part Number
HSG	Housing	NPT	National Pipe Thread
ID	Inside Diameter	NSN	National Stock Number
IMM	Integrated Material Manager	OD	Outside Diameter
INCDT	Incandescent	OZ	Ounce
INS	Insulated	PB	Push Button
INSL	Insulated	PG	Package
IPC	The Institute for Interconnecting and Packaging Electronic Circuits.	P/N	Part Number
		POS	Positive
IPS	International Pipe Standard	PR	Pair
J/WTR/TEMP	Jacket Water Temperature	PSI	Pound Per Square Inch
KT	Kit	PT	Point
LBK	Left Bank	PTO	Power Take Off
LBS	Pounds	PVC	Polyvinyl Chloride
LG	Long	RBK	Right Bank
LGTD	Light (ed)	RCTFR	Rectifier
LH	Left Hand	REF	Reference
LK	Locking	REQD	Required
LOA	Level Of Authority	RH	Right Hand
MACH	Machine	RM	Room
MF	Microfarads	SAE	Society of Automotive Engineers
		SKTH	Socket Head
		SCH	Schedule

SE	Set
SH	Sheet
SHLDR	Shoulder
SHT	Short
SICA	Secondary Inventory Control Activity
SLBZ	Silver Braze
SMR	Source, Maintenance & Recoverability Code
SOS	Source of Supply
SP	Single Pole
SQ	Square
SST	Stainless Steel
SSTL	Stainless Steel
ST	Single Throw
STL	Steel
STBD	Starboard
STD	Standard
SZ	Size
THK	Thick
THOF	Three Conductor, Heat and Oil Resistant, Flexible
THRD	Thread
TPI	Threads Per Inch
TRF	Single Conductor, Rubber Insulation
	Flexible
U/I	Unit of Issue
UNC	Unified National Course (Thread)
UNF	Unified National Fine (Thread)
UNF	Unfused
VAC	Volts, Alternating Current
VDC	Volts, Direct Current
W/With	(combination form)
W/O	Without
WD	Width
WT	Water Tight or Weight
WTR	Water

7. SOURCE OF SUPPLY (SOS) CODES

a. DEFINITION

A three character alphabetic or alpha-numeric code that identifies a specific supply and distribution organization, or requisition processing point, as to its Routing Identifier Code (RIC).

RIC

SERVICE/ACTIVITY & LOCATION

AKZ	US Army Tank-Automotive Command Warren, Michigan
B14	US Army Armament, Munitions and Chemical Command Rock Island, Illinois
B16	US Army Communications-Electronics Command Fort Monmouth, New Jersey
B17	US Army Aviation Systems Readiness Command St. Louis, Missouri
B46	US Army Electronics Warrenton, Virginia
B64	US Army Missile Command Redstone Arsenal, Alabama
FGZ	Ogden Air Logistics Center Hill AFB, Utah
FHZ	Oklahoma City Air Logistics Center Tinker AFB, Oklahoma
FLZ	Warner Robins Air Logistics Center Robins AFB, Georgia
FPD	Air Force Cryptologic Support Center (ESC) San Antonio, Texas

MPB	Marine Corps Logistics Base Code 850, Bldg. 3700 Albany, Georgia
N32	Navy Aviation Supply Office Philadelphia, Pennsylvania
N35	Navy Ships Parts Control Center Mechanicsburg, Pennsylvania
NCB	Navy Ships Parts Control Center (Ammo Div) P. O. Box 2020 Mechanicsburg, Pennsylvania
S9C	Defense Construction Supply Center Columbus, Ohio
S9E	Defense Electronics Supply Center Dayton, Ohio
S9G	Defense General Supply Center Richmond, Virginia
S9I	Defense Industrial Supply Center Philadelphia, Pennsylvania
S9M	Defense Personnel Support Center Philadelphia, Pennsylvania
S9T	Defense Personnel Support Center Philadelphia, Pennsylvania
ZIC	USCG Engineering Logistics Center Baltimore, Maryland 21226-5000
ZNC	USCG Engineering Logistics Center Baltimore, Maryland 21226

b. SOURCE OF SUPPLY MODIFIER CODES

A table of codes and explanation of each code routing information for requisitions which cannot be addressed to a single MILSTRIP routing identifier or when a single routing identifier cannot be assigned.

CODE STRUCTURE:

(1) First position, "J", indicates nondefinitive routing identifier.

(2) Second position indicates: C-Category, G-GSA, D-DLA, S-Service, V-VA.

(3) Third position indicates source or further defines the category.

<u>CODE</u>	<u>EXPLANATION</u>
-------------	--------------------

JDC	Commercial (DLA)
-----	------------------

JGG	GSA Regional Support of the Item in the Area of the Originator (GSA) (May be service published as G-O)
-----	--

8. ACQUISITION ADVICE CODE

DEFINITION

A one character alphabetic code that indicates how (rather than where) and under what restrictions an item of supply will be acquired.

<u>CODE</u>	<u>EXPLANATION</u>
-------------	--------------------

A SERVICE/AGENCY REGULATED (Service/Agency use only.)
Issue, transfer, or shipment is controlled by authorities above the Inventory Control Point level to assure proper and equitable distribution.

1. The use or stockage of the item requires release authority based on prior or concurrent justification.

2. Requisitions will be submitted in accordance with Agency / Service requisitioning procedures.

B CG ELC REGULATED (Service/Agency use only.)
Issue, transfer, or shipment is controlled by the CG ELC

1. The use or stockage of the item requires release authority based on prior or concurrent justification.

2. Requisitions will be submitted in accordance with Agency / Service requisitioning procedures.

C SERVICE/AGENCY-MANAGED (Service/Agency use only.)

Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the individual service supply policy.

1. The item is centrally managed, stocked, and issued.

D 2. Requisitions will be submitted in accordance with service requisitioning procedures.
DOD INTEGRATED MATERIAL MANAGED, STOCKED, AND ISSUED

Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the Integrated Material Manager / Service supply policy.

1. The item is centrally managed, stocked, and issued.

2. Requisitions must contain the fund citation required to acquire the item. Requisitions will be submitted in accordance with Integrated Material Manager/Service requisitioning procedures.

E OTHER SERVICE MANAGED, STOCKED, AND ISSUED (For Service use only if SICA LOA is 8D and NIMSC is 6.

Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the service requisitioning policy.

1. The item is centrally managed, stocked, and issued.

2. Requisitions may require a fund citation and will be submitted in accordance with the service's requisitioning procedures.

F FABRICATE OR ASSEMBLE

National Stock Numbered items fabricated or assembled from raw materials and finished products as the normal method of support. Procurement and stockage of the items are not justified because of low usage or peculiar installation factors. Distinctions between local or centralized fabricate / assemble capability are identified by the Source of Supply Modifier in the "Source of Supply" column of the Service Management Data Lists.

G GENERAL SERVICES ADMINISTRATION (GSA) INTEGRATED MATERIAL MANAGED, STOCKED, AND ISSUED

Identifies GSA managed items available from GSA supply distribution facilities. Requisitions and fund citations will be submitted in accordance with GSA/Service requisitioning procedures.

H DIRECT DELIVERY UNDER A CENTRAL CONTRACT

Issue, transfer, or shipment is not subject to specialized controls other than those imposed by Integrated Material Manager / Service / Agency supply policy.

1. The item is centrally procured but not stocked.
2. Issue is by direct shipment from the vendor to the user at the order of the ICP or IMM.
3. Requisitions and fund citations will be submitted in accordance with Integrated Material

Manager/Service/Agency requisitioning procedures.

I DIRECT ORDERING FROM A CENTRAL CONTRACT/SCHEDULE

Issue, transfer, or shipment is not subject to specialized controls other than those imposed by Integrated Manager/Service supply policy. The item is covered by a centrally issued contractual document or by a multiple award federal supply schedule, which permits using activities to place orders directly on vendors for direct delivery to the user.

J NOT STOCKED, CENTRALLY PROCURED

IMM/Service centrally managed but not stocked item. Procurement will be initiated only after receipt of a requisition.

K CENTRALLY STOCKED FOR OVERSEAS ONLY

Main means of supply is a local purchase. Item is stocked in domestic supply system for those overseas activities unable to procure locally due to nonavailability of procurement sources or where local purchase is prohibited (e.g. ASPR) (Flow of Gold) or by internal military service restraints). Requisition will be submitted by overseas activities in accordance with Service / Agency requisitioning procedures.

**NOTE:

CONUS activities will obtain supply support through local procurement procedures.

L LOCAL PURCHASE

DLA/GSA/service/agency managed items authorized for local purchase, as normal means of support at base, post, camp, or station level. Item not stocked in wholesale distribution system or Integrated Material Manager / Service / Agency Inventory Control Point.

V TERMINAL ITEM

Identifies items in stock but future procurement is not authorized. Requisitions may continue to be submitted until stocks are exhausted. Preferred item NSNs normally provided by the application of the phrase, "When Exhausted Use (NSN)". Requisitions will be submitted in accordance with IMM/service requisitioning procedures as applicable.

X SEMIACTIVE ITEM-NO REPLACEMENT

A potentially inactive NSN which must be retained in the supply system as an item of supply because (1) stocks of the item are on hand or in use below the wholesale level and (2) the NSN is cited in equipment authorization documents, TO & E, TA, TM, etc. or "in use" assets are being reported.

1. Items are authorized for central procurement but not authorized for stockage at the wholesale level.
2. Requisitions for "in use" replacement will be authorized in accordance with individual military service directives.
3. Requisitions may be submitted as requirements generate. Repetitive demands may dictate an AAC change to permit wholesale stockage.

Y TERMINAL ITEM

Further identifies AAC "V" items on which wholesale stocks have been exhausted. Future procurement is not authorized.

1. Requisitions will not be processed to the wholesale suppliers.
2. Internal services requisitioning may be continued in accordance with the service requisitioning policies.

Z INSURANCE/NUMERIC STOCKAGE OBJECTIVE ITEM

Items which may be required occasionally or intermittently, and prudence requires that a nominal quantity of material be stocked due to the essentiality, or the lead time of the item.

1. The item is centrally managed, stocked, and issued.
2. Requisitions will be submitted in accordance with IMM/service requisitioning procedures.

9. INVENTORY MANAGEMENT USING THE NAVSUP 1114m STOCK RECORD CARD (0108-LF-501-1140) U/I HD

The NAVSUP 1114m Stock Record Card is part of the 44' MLB BOSS publication in addition to SCAMP. It is an IBM type card which contains supply management data elements for parts storage and resupply information. The cards are furnished for each station or group category and should be maintained in NIIN or part number sequence for ready reference. The cards may be filed in a drawer type file or in a "Cardex" type pull-out file.

Stock Record Cards are to be maintained for all stocked repair parts or in conjunction with maintaining a SCAMP database. The preprinted cards that are supplied with the 44' MLB BOSS are a direct readout from the allowance columns for each category command. Blank forms are also provided for parts that were not included in the allowance but are stocked. These cards must be filled out by hand. If the part is needed for on hand support, fill out a tear-out postcard at the back of this manual and mail it to the ELC, in order to update the allowance data.

Data Elements On The Stock Record Card (NAVSUP 1114m)

Most of the data element entries found on the Stock Record Card are codes. To determine the meaning of the code, the following is presented: The following entries are found on the top and the bottom of the Stock Record Card for easier filing:

COG	Cognizance Symbol.
M/C	Material Control Code. Leave blank.
NSN	National Stock Number or CAGEC and Part Number for the item listed.
DESC	Noun name of the item.
U/I-	Unit of issue
APL/AEL NO.	The Fig. No. and Item No. where the repair part is listed and illustrated. If the

part is used on more than one equipment, an "M" will represent multiple applications which can be located in the NIIN to FIG/ITEM cross reference listing.

LOC-	Location, the box #, bin #, etc., of the part in the storeroom.
HL-	High Limit - enter the high limit for the part as determined by previous usage data.
LL-	Low Limit - enter the low limit for the part. This will depend on previous usage and lead time to procure replacements.
SL-	Safety Limit - enter the lowest safe limit that can be allowed.
	The following entries are located only once on the card in the middle section:
UIC-	Unit Identification Code (OPFAC Number) Entered as S1, S2, etc., for the section or group allowance column.

A/L Qty- Allowance Quantity from the allowance column.

AT- Allowance Type Code used in CALMS.

E/R/C-ERC Code

E - Equipage Item
R - Repair Part
C - Consumables

Beg. Mo. Dem.-

Beginning month and year of demand period
(Navy supply data - Leave blank).

DQBF- Demand Quantity Brought Forward (Navy supply data - Leave blank).

DFBF- Demand Frequency Brought Forward (Navy supply data - Leave blank).

URG- Underway Replenishment Group (U.S. Navy - Leave blank).

MRT- Servemart Item.

EOI- Economic Order Item.

CI- Critical Item.

MEC- Military Essentiality Code from the SNSL (CALMS data).

HIC- Hazardous Item Code or Special Material Content Code.

SCC- Security Classification Code.

SLC- Shelf Life Code.

PEB- Pre-expended Bin.

Requisitions Outstanding-

The julian date, serial number, and quantity from each procurement document where applicable parts are on order. Overline the entry when the order is received.

Date & Serial -

Enter the date of the entry.

Receipts- Enter the number of items received or "INV" for inventory.

Issues - Enter the number of items issued or expended.

On Hand- Enter the number of items on hand.

SUMMARY

Stock Record Cards or SCAMP can be of great help in maintaining an up-to-date inventory if they are used properly. Entries must be made in SCAMP or on the cards when parts are received or disbursed. Follow-up entries must be continuously made when the status or the inventory changes. (Entries must be made on the cards as backup if you are using SCAMP).

A physical inventory is necessary to determine the "on hand" data for SCAMP or Stock Record Cards. From time to time it is wise to conduct "spot" inventories in the storeroom. Take a single box, or bin, and inventory its contents. Once you finish with a box or bin, seal it with tape and mark it with the completion date. As long as the seal remains unbroken, leave that location alone and check another one the next time you take a spot inventory. Limit the number of people who have access to the storeroom. The more people coming and going, the greater the chances of having errors in your inventory.

10. INVENTORY MANAGEMENT USING THE SHIPBOARD COMPUTER AIDED
MAINTENANCE PROGRAM (SCAMP)

The SCAMP diskette enclosed is part of this BOSS publication. It shall be used as a means of monitoring your parts inventory management in accordance with COMDTINST 4400.21. SCAMP provides the user the capability to monitor the inventory and provide the unit with essential historic usage data.

All questions, comments, and recommendations concerning your BOSS SCAMP diskette should be directed to the below address and phone number provided in paragraph 11.

11. RECOMMENDATIONS FOR IMPROVEMENTS TO THIS
MANUAL:

All reports of errors, omissions, and recommendations for improving this publication by the individual user are encouraged. Reports should be submitted on the tear-out form at the back of this publication. If all of the forms have been used, please send a complete description of your suggestion to:

COMMANDING OFFICER
USCG ENGINEERING LOGISTICS CENTER
STANDARD BOATS, CODE 014
2401 HAWKINS POINT ROAD
BALTIMORE, MD 21226-5000
ATTN: MAIL STOP 26

Commercial (410)762-6182/6187
Fax (410)762-6085

REFERENCES

- AFLOAT SHOPPING GUIDE
- GSA SUPPLY CATALOG
- DETROIT DIESEL ENG V-53 PARTS CATALOG
- DETROIT DIESEL ENG V-53 SERVICE MANUAL
- NAVAL ENGINEERING MANUAL
- 44' MLB BOAT ALTS
- PREVENTATIVE MAINTENANCE SYSTEMS MANUAL
- 44' MLB TYPE MANUAL
- 44' MLB PLANS AND DRAWINGS
- MANUFACTURERS SERVICE MANUALS AND PARTS CATALOG
- RESCUE AND SURVIVAL SYSTEMS MANUAL
(COMDTINST M10470.10A)
- NAVIGATION RULES (COMDTINST M16672.2)
- USCG ORDNANCE MANUAL (COMDTINST M8000.2)
- 44' MLB OPERATORS HANDBOOK (COMDTINST M16114.3B)

COMMERCIAL AND GOVERNMENT EN. DES (CAGEC) USED IN
THIS MANUAL WITH THEIR MANUFACTURERS/SUPPLIERS ADDRESS

NOREF	NO REFERENCE	02892	HYDRECO A UNIT OF GENERAL SIGNAL CORP 1885 TOBACCO RD P. O. BOX 6348 AUGUSTA, GA 30916-6348
OG723	SNAP - ON TOOLS CORP. 333 LOUSMA DR. GRAND RAPIDS MI.49508 (616)942-1400	03670	ANSUL INC. 1 STANTON ST. MARINETTE, WI 54143-2542 PHONE (715) 735-7411
00912	AKRON BRASS CO. DIV OF PREMIER INDUSTRIAL CORP 1450 SPRUCE ST P.O. BOX 86 WOOSTER, OH 44691-4685 PHONE (216) 287-7036	03671	GRISWOLD TOOL AND DIE CO. BLUE LAKE, CA 95525
01212	FEDERAL-MOGUL CORP. GOVERNMENT SALES DEPT 26555 NORTHWESTERN HWY P.O. BOX 1966 DETROIT, MI 48235-0966 PHONE (810)354-7923	04024	U.S. FOREST SERVICE P.O. BOX 996090 WASHINGTON,DC 20090-6090 (202) 205-1760
01276	AEROQUIP CORPORATION INDUSTRIAL PRODUCTS GROUP 1695 INDIAN WOOD CIRCLE MAUMEE, OH 43537 PHONE (419) 891-7600	04624	UNITED STATES COAST GUARD ENGINEERING LOGISTICS CENTER 2401 HAWKINS PT. RD. BALTIMORE, MD. 21226-5000 PHONE (410) 762-6800
02249	GRESEN MFG DANA CORP 600 HOOVER ST NE MINNEAPOLIS, MN 55413-2903 PHONE (612)623-1960	05GD9	LONGVIEW DIESEL SERVICES INC. 2207 TALLEY WAY KELSO, WA 98626 PHONE (360) 423-0156
02570	CRAWFORD FITTING CO. 29500 SOLON ROAD SOLON, OH 44139-3449 PHONE 216-248-4600	06101	U.S. COAST GUARD YARD BALTIMORE, MD 21226 PHONE (410) 636-7180
02697	PARKER-HANNIFIN CORP. SEAL GROUP 2360 PALUMBO DR. P.O. BOX 11751 LEXINGTON, KY 40512-1751 PHONE (606) 269-2351	06853	ALLIED SIGNAL TRUCK BREAK SYSTEMS BENDIX-GARRETT 901 CLEVELAND ST. ELYRIA, OH 44036 PHONE (216) 329-9000

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07083	KERR-McGEE CHEMICAL CORP. 123 ROBERT S. KERR AVE. P.O. BOX 25861 OKLAHOMA CITY, OK 73125 PHONE (405) 270-3047	ODUX4	ELLIS PROPELLER CO. INC. 2900 PHOENIX AVE. JACKSONVILLE, FL 32206 PHONE (904) 354-8233
07421	INTERSTATE ELECTRONICS CORP A DIV OF FIGGIE INTERNATIONAL INC 1001 E BALL RD 92805 P.O. BOX 3117 ANAHEIM, CA 92803 (714)758-0500	OPY14	R AND W METAL FABRICATIO 2405 AIR PARK RD CHRLESTON, SC 29418 PHONE (803) 747-5109
07524	DOVER CORP. BLACKMER PUMP DIVISION 1809 CENTURY AVE. SW GRAND RAPIDS, MI 49509-1530 PHONE 616-241-1611	OWMF1	ESP NORTH 3345 E. MIRALOMA AVE.#133 ANAHEIM, CA 92806 PHONE (714) 577-3883
08108	LAMP INDUSTRY FOR USE WITH INDUSTRY DESIGNATIONS AND ABBREVIATIONS FOR LAMPS	10001	NAVAL ORDNANCE SYSTEMS COMMAND WASHINGTON, DC
08484	TRANSTECHNOLOGY CORP. BREEZE-EASTERN DIV. 700 LIBERTY AVE. UNION, NJ 07083-8107 PHONE (908) 686-4000	10618	GYRODYNE COMPANY OF AMERICA INC. 17 FLOWERS FIELD, SUITE 15 ST JAMES, NY 11780 PHONE (516) 584-5400
08645	BRIGGS AND STRATTON CORP 2711 NORTH 13TH ST. P.O. BOX 702 MILWAUKEE, WI 53201 PHONE (414) 259-5650	10741	CARLISLE AND FINCH CO. 4562 W MITCHELL AVE CINCINNATI, OH 45232-1798 PHONE (513) 681-6080
08806	GENERAL ELECTRIC CO. MINIATURE LAMP PRODUCTS DEPT. NELA PARK CLEVELAND, OH 44112 PHONE (216) 266-2536	11341	CROSS MFG CO INC 100 FACTORY ST LEWIS, KS 67552 PHONE 316-324-5525
		11710	CHATILLON JOHN AND SONS INC 83-30 KEW GARDENS ROAD KEW GARDENS, NY 11415-1910 PHONE 718-847-5000
		13094	RELIANCE ELECTRIC 6950 WASHINGTON AVE. SOUTH EDEN PRAIRIE, MN 55344 (612)942-3600

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13445	COLE-HERSEE CO. 20 OLD COLONY AVE. BOSTON, MA 02127-2405 PHONE 617-268-2100	16764	GENERAL MOTORS CORP. DELCO-REMY DIV. 2401 COLUMBUS AVE. P.O. BOX 2439 ANDERSON, IN 46018-9986 PHONE (317) 778-6680
13499	ROCKWELL INTL CORP 400 COLLINS RD NE CEDAR RAPIDS IA. 52498 PHONE (319) 395-5561	18876	DEPARTMENT OF THE ARMY U.S. ARMY MISSILE COMMAND REDSTONE ARSENAL, AL 35809 PHONE (205) 876-2151
13646	ARDOX CORP. SCOT DIV. 6437 PIONEER RD. P.O. BOX 286 CEDARBURG, WI 53012 PHONE (414) 377-7000	18954	KORODY-COLYER CORP A CR INDUSTRIES CO 700 W ARTESIA BLVD P.O. BOX 9059 COMPTON, CA 90224-9059 PHONE (310) 639-9511
13829	COMMERCIAL INTERTECH CORP 1775 LOGAN AVE P.O. BOX 239 YOUNGSTOWN, OH 44501-0239 PHONE (216) 746-8011	19184	BRAND HYDRAULICS 2332 S. 25TH ST. OMAHA, NE. 68105-3229 PHONE 402-344-4434
14242	VOSS INDUSTRIES INC. 2188 W. 25TH STREET CLEVELAND, OH 44113-4115 PHONE (216) 771-7655	19557	EDWARDS CO INC A UNIT OF GENERAL SIGNAL CORP 2428 RT 38 SUITE 103 AVENUES OF COMMERCE CHERRY HILL, NJ 08002-1240 PHONE 609-482-5300
14348	WELLINGTON LEISURE PRODUCTS INC. DBA PURITAN PLASTICS 1206 ADAMSON INDUSTRIAL CARROLLTON, GA 30117 PHONE (216) 404-0301	1DA54	HILLER SYSTEMS INC. 2220 PARAMONT AVE. SUITE 102 P.O. BOX 13547 CHESAPEAKE, VA 23320 PHONE (804) 424-8142 FAX (804) 523-1376
15434	CUMMINS ENGINE CO. INC. 500 JACKSON ST. P.O. BOX 3005 COLUMBUS, IN 47202-3005 PHONE (812) 377-3196	1J204	TELPAGE OF NASHVILLE INC. 1200 DIVISION ST. NASHVILLE, TN 37203-4012 PHONE (615) 385-7787
16236	DEFENSE CONSTRUCTION SUPPLY CENTER P O BOX 16704 COLUMBUS, OH 43216-5010 PHONE (614) 692-3131		

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20266	ELKHART BRASS MFG CO INC 1302 W BEARDSLEY AVE P O BOX 1127 ELKHART, IN 46515 PHONE (219) 295-8330	25472	B.F. GOODRICH CO THE 3925 EMBASSY PKY AKRON, OH. 44333 PHONE 216-374-2000 PHONE 216-374-4391
21204	CORNELL-CARR CO INC. 626 MAIN ST. P O BOX 253 MONROE, CT 06468 PHONE (203) 261-2529	30951	NATIONAL FIRE HOSE CORP 516 E OAKS ST P.O. BOX 4969 COMPTON, CA 90224 PHONE (213) 537-5211
21519	MANOSTAT CORPORATION 519 8TH AVE. NEW YORK, NY 10018 PHONE (212) 594-6262	31211	MOTOROLA INC. MOTOROLA AUTOMOTIVE ELECTRONICS MOTOROLA CTR 1299 E ALGONQUIN RD SCHAUMBURG, IL 60195-1064 PHONE (708) 480-8000
21810	CHALLENGER ELECTRICAL EQUIP. CORP. 1102 AVE T GRAND PRAIRIE, TX 75050 PHONE (214) 647-2315	31425	ITT JABSCO PRODUCTS 1485 DALE WAY COSTA MESA, CA 92628 PHONE (714) 545-8251
21999	HEUER TIME AND ELECTRONICS CORP. 960 SOUTH SPRINGFIELD AVE. SPRINGFIELD, NJ 07081-3508 PHONE 1 (800) 321-4832	33287	KENT MOORE INC 28635 MOUND RD. WARREN, MI 48092-3499 PHONE (810) 574-2332
24234	KYSOR/WESTRAN DIV. OF KYSOR IND. CORP. 602 EAST BLACHAWK DR. P.O. BOX 921 BYRON, IL 61010 PHONE (815) 234-2811	34294	KRAISL CO INC THE 299 WILLIAMS AVE HACKENSACK, NJ 07601-5225 (201) 342-0008
24617	GENERAL MOTORS CORP. GENERAL MOTORS BUILDING 3044 WEST GRAND BLVD. DETROIT, MI 48202-3091 PHONE (313) 556-5000	34700	GENERAL ELECTRIC CO. INSTRUMENTATION & COMPUTER SCIENCE 1 RIVER RD. BLDG. 28 SCHENECTADY, NY 12345 (518) 385-9343
25169	PROJECT MANAGER AMPHIBIOUS LIGHTERS 4300 GOODFELLOW BLVD. ST. LOUIS, MO. 63120		

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36251	LINCOLN AUTOMOTIVE A PENTAIR CO. 1 LINCOLN WAY ST. LOUIS, MO 63120-1578 PHONE (314) 679-4320	47953	DIAMOND ENGINE SALES DIV MEDART AUTO ELECTRIC INC 3134 WASHINGTON AVE ST. LOUIS, MO 63103 PHONE (314) 652-2202
37163	COOPER INDUSTRIES INC. LUFKIN/COOPER TOOLS DIV. 1000 LUFKIN RD P O BOX 728 APEX, NC 27502 PHONE (919) 362-7511	50967	RITCHIE E S AND SONS INC OAK STREET PEMBROKE, MA 02359 PHONE 617-826-5131
3A268	PACKINGS AND INSULATIONS CORP. 145 CORLISS ST. PROVIDENCE, R.I. 02904 PHONE (800) 269-7325	50980	DEPARTMENT OF THE ARMY U.S. ARMY GENERAL MATERIAL AND PETROLEUM ACTIVITY NEW CUMBERLAND ARMY DEPOT NEW CUMBERLAND, PA 17070-5011
41625	INCOM INTL. INC. MORSE CONTROLS DIV. 21 CLINTON ST. HUDSON, OH 44236-2802 PHONE (216) 653-7702	52151	CONTINENTAL ELECTRONICS CORP 4212 S BUCKNER BLVD P.O. BOX 270879 DALLAS, TX 75227-0879 PHONE 214-381-7161
41947	MUELLER BRASS 2199 LAPEER AVE. P.O. BOX 5021 PORT HURON, MI 48061-5021 PHONE (313) 987-7770	53711	NAVAL SEA SYSTEM COMMAND WASHINGTON, DC 20362
45396	PACO PUMPS INC. 6838 ACCO ST. CITY OF COMMERCE, CA 90040 PHONE (213) 720-5161	56719	SNAP-ON TOOL CORP 2801 80TH ST KENOSHA, WI 53141-1410 PHONE 414-656-5200
46576	PERKO INC. P.O. BOX 64000 D 16490 NW 13TH AVE. 33169-5707 MIAMI, FL 33164-0414 PHONE (305) 621-7525	55752	PARKER-HANNIFAN CORP. FILTRATION GROUP 3400 FINCH RD. P.O. BOX 3208 MODESTO, CA 95353-3208 PHONE (209) 521-7860

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55841	EATON CORP. INDUSTRY CONTROL DIVISION 4265 N. 30TH ST. ELECTRICAL CONST.4201 N. 27TH ST. MILWAUKEE, WI 53216-1807 PHONE (414) 449-6000	61208	TWIN DISC INC. 1328 RACINE ST. RACINE, WI 53403-1758 PHONE (414) 634-1981
55880	TRELLEX MORSE INC 3588 MAIN ST. KEOKUK, IA 52632-2001 PHONE (319) 524-8430	61349	AMETEK INC U S GAUGE DIV 900 CLYMER AVE SELLERSVILLE, PA 18960-2625 PHONE 215-257-6531
57733	STEWART-WARNER INST. CORP. 580 SLAWIN CT MT. PROSPECT, IL 60056-2183 PHONE (708) 803-0200	61431	THETFORD CORP. 7101 JACKSON RD. P.O.BOX 1285 ANN ARBOR, MI. 48106 PHONE (313) 769-6000
58536	FEDERAL COMMERCIAL ITEM DESCRIPTION PROMULGATED BY GENERAL SERVICES	61928	GENERAL MOTORS CORP AC-DELCO DIV GOVERNMENT ORDER DEPT 6060 W BRISTOL RD FLINT, MI 48554 PHONE (313) 635-5905
59647	SHAW AERO DEVELOPMENT INC 4227 PROGRESS AVE P.O. BOX 8657 NAPLES, FL 33941-8657 (813)643-3310	62091	NOSHOK INC 17820 ENGLEWOOD DR. MIDDLEBURGH HEIGHTS, OH 44130-3485 (216)243 0888
59648	WEARWELL & TENNESSEE MAT CO. INC. 1414 4TH AVE S. NASHVILLE, TN. 37210-4123 (615)254-8381	62607	PHILIPS LIGHTING CO. 200 FRANKLIN SQ. DR. P.O.BOX 6800 SOMERSET, NJ 08875-6800 PHONE (908) 563-3737
59706	HOME RUBBER CO. 31 WOOLVERTON AVE. TRENTON, NJ 08611-2429 PHONE (609) 394-1176	62983	VICKERS INC AEROSPACE-MARINE-DEFENSE 5353 HIGHLAND DR P.O. BOX 10177 JACKSON, MS 39206-1177 PHONE (601) 981-2811
60332	POHL TOOL CO. 11171 LAPPIN DETROIT, MI. 48234-3542 (313)839-9051		

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64747	FREEMAN MARINE EQUIPMENT INC 28336 HUNTERS CREEK RD P.O. BOX F GOLD BEACH, OR 97444 PHONE (503) 247-7078	72582	DETROIT DIESEL CORP. CORPORATE HQ 13400 W OUTER DR. /SPEED CODE BX 9 DETROIT, MI 48239-4001 PHONE (313) 592-5665
65194	NEOTRONICS OF NORTH AMERICAN INC 4331 THURMOND TANNER RD PO BOX 2100 FLOWERY BRANCH, GA 30542-2100 PHONE (770)967-2196	72915	GENERAL MOTORS CORPORATION ELECTRO-MOTIVE DIVISION 9301 W. 55TH STREET P.O. BOX 430 LA GRANGE, IL 60525-3214 PHONE (312) 387-3913
66295	WHITTEK COMPANIES INTL INC 519 MCCLURE ST. GALESBURG, IL. 61401 PHONE (309)342-2800	74400	HOBBS CORPORATION YALE BLVD.AND ASH STREET SPRINGFIELD,IL 62705 PHONE (217) 753-7799
68505	PRESTOLITE ELECTRIC INC. FOUR SEAGATE TOLEDO, OH 43691-0904 PHONE (419)249-7600	74545	HUBBEL INCORPORATED 584 DERBY MILFORD ROAD ORANGE,CT 06477-2204 PHONE (203) 799-4100
69502	WALKER ENGINEERING ENTERPRISES 7405 HAYVENHURST PL. VAN NUYS, CA 91406 PHONE (818) 782-2154	75183	THE DURAMAX MARINE 16025 JOHNSON ST. P.O. BOX 67 MIDDLEFIELD, OH 44062 PHONE (216) 632-1611
6D887	PAXTON CO. 1111 INGLESIDE RD. NORFOLK, VA. 23541 PHONE (804)858-1812	75214	KAHLENBERG BROTHERS CO. 1700 12TH ST BOX 358 TWO RIVERS, WI 54241-3510 PHONE (414) 793-4507
70040	GENERAL MOTORS CORP AC DELCO SYSTEMS 1300 N DORT HWY FLINT, MI 48556 PHONE (810) 257-3900	75535	CROSBY GROUP INC THE 2801 DAWSON RD P O BOX 3128 TULSA, OK 74101 PHONE (918) 834-4611
70786	BERGMAN TOOL MFG. CO. 1573 NIAGARA BUFFALO, NY 14213-1101 PHONE (716) 885-5974		

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76364	MILWAUKEE VALVE CO INC 2375 S BURRELL ST MILWAUKEE, WI 53207-1519 PHONE (414) 744-5240	79425	T.B.WOODS AND SONS CO. 440 N.FIFTH AVE. CHAMBERSBURG, PA 17201-1763 PHONE (717) 264-7161
76464	MOREL INDUSTRIES P.O. BOX 678 ENTIAT, WA. 98822 PHONE (509) 784-1001 POC: DENNIS CURRY	79577	NORTH AND JUDD INC. WILCOX-CRITTENDEN DIV. 699 MIDDLE ST. MIDDLETOWN, CT 06457 PHONE (203) 632-2600
77873	ROCKFORD POWERTRAIN INC. 1200 WINDSOR ROAD P.O. BOX 2908 ROCKFORD, IL 61132-2909	80063	U.S. ARMY COMMUNICATION AND ELECTRONICS MATERIAL READINESS COMMAND LOGISTICS ENGINEERING DIRECTORATE FORT MONMOUTH, NJ 07703
78011	MIDLAND-ROSS CORP. RUSSELL STOLL DIV. 530 W MT. PLEASANT AVE. LIVINGSTON, NJ 07039 PHONE (201) 992-8400	80064	NAVAL SHIP SYSTEMS COMMAND WASHINGTON, DC 20362
78039	LEICA INC SURVEYING AND PHOTOGRAMMETRY SYSTEM 111 DEER LAKE RD DEERFIELD, IL 60015 PHONE (708) 405-0123	80244	GENERAL SERVICES ADMINISTRATION FEDERAL SUPPLY SERVICE LOGISTICS DATA MANAGEMENT DIV. WASHINGTON, DC 20406 PHONE (703) 305-7510
78366	SODERBURG MFG CO. INC. 20821 CURRIER RD. WALNUT, CA 91789-3018 PHONE (909) 595-1291	81340	U. S. COAST GUARD HQ. NAVAL ENGINEERING DIV.(G-ENE-3) 2100 2ND ST. SW WASHINGTON, DC 20593-0001 PHONE (202) 267-1163
79128	WAGER ROBERT H CO INC 570 MONTROYAL RD FORUM 52 INDUSTRIAL PK RURAL HALL, NC 27045 PHONE 910-969-6909	81348	GENERAL SERVICES ADMINISTRATION FEDERAL SPECIFICATIONS WASHINGTON, DC
79410	BORG-WARNER CORP IDEAL TRANSMISSION INC. 9 FRANKLIN ST. SALEM, MA 01970 1-800-852-2094	81349	MILITARY SPECIFICATIONS PROMULGATED BY MILITARY DEPARTMENTS/AGENCIES UNDER AUTHORITY OF DEFENSE STANDARDIZATION MANUAL 4120 3-M

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81350	JOINT ARMY/NAVY SPECIFICATIONS PROMULGATED BY MILITARY DEPARTMENTS UNDER AUTHORITY OF DEFENSE STANDARDIZATION MANUAL 4120 3-M	83330	DIALIGHT CORP. MANASQUAN DIV. 1913 ATLANTIC AVE. MANASQUAN, NJ 08736-1005 PHONE (908) 223-9400
81352	AIR FORCE-NAVY AERONAUTICAL SPECIFICATIONS PROMULGATED BY AERONAUTICAL STANDARDS GROUP	85274	DWYER INSTRUMENTS INC INDIANA 212 AT US 12 P O BOX 373 MICHIGAN CITY, IN 46360-073 PHONE 219-879-8868
81430	SELECTA INC. NEW YORK N Y	86520	CONBRACO INDUSTRIES INC R-P AND C VALVE DIV 701 MATHEWS-MINT HILL RD. MATHEWS, NC 28105 PHONE 704-847-9191
81640	EATON CORP. AEROSPACE CONTROLS DIV. 2250 WHITFIELD AVE.E SARASOTA, FL 34243 PHONE (813) 751-7112	86700	RAILWAY SPECIALTIES CORP 2979 STATE RD. P.O. BOX 29 BRISTOL, PA 19007-3199 PHONE (215) 788-9242
81702	FULLER H B CO MULTI-CLEAN PRODUCTS DIV 2277 FORD PKY ST. PAUL, MN 55116-1817	86796	ROFLAN ASSOCIATES INC. 66 LOWELL JUNCTION RD. ANDOVER, MA 01810 PHONE (508) 475-0100
82484	SPRAGUE DEVICES INC 107 EASTWOOD RD P.O. BOX 389 46361 MICHIGAN CTIV, IN 46360-2206 PHONE (219) 872-7295	88907	MERCURY MARINE DIV OF BRUNSWICK CORP GOVERNMENT SALES W6250 W PIONEER RD FOND DU LAC, WI 54936-1939 (414)929-5649
82682	BIG THREE INDUSTRIES INC. TEMPIL DIV 2901 HAMILTON BLVD SOUTH PLAINFIELD, NJ 07080 PHONE 908-757-8300	90362	STAR MFG. INTERNATIONAL 9325 OLIVE BLVD. ST. LOUIS, MO 63132-3211 PHONE (314) 994-0880
83002	TURNBULL ENTERPRISES INC. 3501 MARMENCO CT. BALTIMORE, MD 21230 PHONE (410) 789-1700		

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90700	ANNIN AND CO 1 ANNIN DR ROSELAND, NJ 07068 PHONE (201) 239-9000	98905	FEDERAL SIGNAL CORP. 2645 FEDERAL SIGNAL DR. UNIVERSITY PARK, IL 60466-3195 PHONE (708) 534-3400
92731	LAMARCHE MFG.CO. 106 BRADROCK DR. DES PLAINES, IL 60018-1940 PHONE (708) 299-1188	99055	RIGIDIZED METALS CORP. 658 OHIO ST. BUFFALO, NY. 14203-3398 PHONE (716) 849 4760
94960	3M (MINNESOTA MINING & MFG. CO.) TRAFFIC CONTROL MATERIALS DIV. 3M CTR BLDG 225-5S ST. PAUL,MN. 55144-1000 PHONE (612) 733-0477	99197	DELTA SALES CO. AIROYAL DIV 1355 RT 23 S. BUTLER, NJ 07405 PHONE (201) 838-0371
95408	KIM HOTSTART MFG. CO. EAST 5723 ALKI AVE P.O. BOX 11245 SPOKANE, WA. 99211-0245 PHONE (509) 534-6171	99551	LUCAS WESTERN INC. LUCAS AEROSPACE POWER TRANSMISSION 211 STEWARD AVE. UTICA, NY 13503 PHONE (315) 793-1205
95879	ALEMITE CORP. 7725 LITTLE AVE. P.O. BOX 473515 28247-3515 CHARLOTTE,NC 28226 (704) 542-6900	9A843	ELECTROMODE INC. 99C RAINBOW RD EAST GRANBY, CT 06026-9763 PHONE (203) 653-7544
96151	EATON CORP FLUID POWER OPERATIONS HYDRAULICS DIV 15151 HWY 5 EDEN PRAIRIE, MN 55344 PHONE 612-937-9800	9Y537	DOC FREEMAN INC 999 N NORTHLAKE WAY SEATTLE, WA 98103-8831 PHONE (206) 633-1500
96906	MILITARY STANDARDS PROMULGATED BY MILITARY DEPARTMENTS UNDER THE AUTHORITY OF DEFENSE STANDARDIZATION MANUAL 4120-3-M		
97312	DEWEY ELECTRONICS CORP THE AVION ELECTRONICS DIV 27 MULLER RD OAKLAND, NJ 07436-1313 PHONE (201) 337-4700		

BOAT OUTFIT AND SYSTEM SUPPORT

FOR 44' MLB

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	FRESH WATER PUMP	DETROIT DIESEL	II 56	233-23	NOT ILLUSTRATED
	THERMOSTAT	DETROIT DIESEL	II 57	233-24	NOT ILLUSTRATED
	WATER CONNECTIONS	DETROIT DIESEL	II 58	233-25	NOT ILLUSTRATED
	HEAT EXCHANGER	DETROIT DIESEL	II 59	233-26	
	RAW WATER PUMP	DETROIT DIESEL	II 61	233-27	
	WATER COOLED EXHAUST MANIFOLD	DETROIT DIESEL	II 64	233-28	
	STARTING MOTOR	DELCO - REMY DIVISION	II 65	233-29	NOT ILLUSTRATED
	POWER TAKE OFF	DETROIT DIESEL	II 66	233-30	
	ENGINE MOUNTS	DETROIT DIESEL	II 70	233-31	NOT ILLUSTRATED
	KIM HOTSTART	KIM HOTSTART CO.	II 71	233-32	
	GAUGES / ENGINE MONITORING	VARIOUS	II 72	233-33	NOT ILLUSTRATED
	AIR COMPRESSOR	DETROIT DIESEL	II 73	233-34	NOT ILLUSTRATED
	PMS TOOLS AND EQUIPMENT	VARIOUS	II 74	233-35	NOT ILLUSTRATED
241	<u>PROPULSION - MAIN RED GEAR</u>				
	TRANSMISSION	BORG - WARNER CORP.	II 78	241	NOT ILLUSTRATED
242	<u>PROPULSION - CLUTCHES X COUPLING ASSY</u>				
	PROPULSION COUPLINGS	GENERAL MOTORS CORP.	II 79	242	NOT ILLUSTRATED

<u>PART DATA</u>	<u>MFG / TYPE</u>	<u>PAGE NO</u>	<u>FIGURE</u>	
<u>PROPULSION - SHAFT</u> PROPULSION SHAFTING	USCG YARD	II 80	243	
<u>PROPULSION - SHIPS PROPELLER</u> PROPELLERS	COLUMBIAN BRONZE/ELLIS PROP	II 82	245	NOT ILLUSTRATED
<u>CONTROL SYS-MECHANICAL CLUTCH & THROTTLE</u> PROPULSION CONTROL SYSTEM / TACHOMETER AND CABLES	DETROIT DIESEL	II 83	252	NOT ILLUSTRATED
<u>SALT WATER SYSTEM</u> DUPLEX STRAINER	THE KRAISSL CO. INC.	II 84	256	
<u>EXHAUST SYSTEM</u> EXHAUST SYSTEM	USCG YARD	II 87	259	NOT ILLUSTRATED
<u>FUEL OIL SYSTEM</u> RACOR FILTER-SEPERATOR SECONDARY FUEL FILTER	RACOR DIVISION DETROIT DIESEL	II 88 II 90	261 261-01	NOT ILLUSTRATED
<u>LUBE OIL SYSTEM</u> MAIN PROPULSION LUBE OIL SYSTEM	GENERAL MOTORS CORP.	II 91	262	NOT ILLUSTRATED
<u>ELECTRIC POWER DISTR - ALTERNATOR</u> ALTERNATOR	PRESTOLITE	II 92	311	
<u>ELECTRIC POWER SUPPLY - STORAGE BATTERY</u> BATTERIES BATTERY CHARGER	GSA LA MARCHE MFG. CO.	II 95 II 96	313 313-01	NOT ILLUSTRATED NOT ILLUSTRATED
<u>ELECTRIC POWER DISTR - SHORE TIE CABLE</u> SHIPS SERVICE POWER CABLE	VARIOUS	II 98	321	NOT ILLUSTRATED
<u>ELECTRIC POWER DISTR - POWER PANEL</u> SWITCHGEAR AND PANELS, A/C SWITCHGEAR AND PANELS, D/C	VARIOUS VARIOUS	II 99 II 100	324 324-01	NOT ILLUSTRATED NOT ILLUSTRATED
<u>LIGHTING - SPACE</u> LIGHTING FIXTURES CABIN LIGHTS, 28 VOLT FLUORESCENT LIGHT	MORSE CONTROL DIV. MILSPEC AND GSA GSA	II 101 II 102 II 103	332 332-01 332-02	NOT ILLUSTRATED NOT ILLUSTRATED
<u>NAVIGATION EQUIPMENT</u> NAVIGATIONAL AIDS, NON-ELECTRICAL	RITCHIE, E.S. AND SONS	II 104	421	NOT ILLUSTRATED

PART DATA

LIGHTING - NAVIGATIONAL
NAVIGATIONAL AIDS, ELECTRICAL
SEARCHLIGHT

MFG / TYPE

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PERKO
CARLISLE AND FINCH CO.

II 105 422 NOT ILLUSTRATED
II 106 422-01

IC CIRCUIT - ENGINEERS ALARM SYSTEM
ALARM, SAFETY AND WARNING SYSTEMS

VARIOUS

II 107 436 NOT ILLUSTRATED

SIGNALING - AUDIO
VISUAL AND AUDIBLE SYSTEMS
LIGHT, BLUE, WARNING
BELL

VARIOUS
VARIOUS
PERKO INC.

II 109 443 NOT ILLUSTRATED
II 110 443-01 NOT ILLUSTRATED
II 111 443-02 NOT ILLUSTRATED

HEATING SYSTEM
COMPARTMENT HEATING SYSTEM, DC
COMPARTMENT HEATING SYSTEM, AC

KYSOR AND WESTRAN
VARIOUS

II 112 511
II 113 511-01 NOT ILLUSTRATED

VENTILATION SYSTEM
MACHINERY SPACE VENTILATION

NORTH AND JUDD MFG.

II 114 512 NOT ILLUSTRATED

FIRE FIGHTING - FIRE PUMP
FIRE PUMP
SIMPLEX STRAINER
GAUGE, FIREMAIN PRESSURE
EDUCTOR, INSTALLED

PACO PUMPS INC
THE KRAISSL CO. INC.
BRANO INST. CO.
LOCAL SUPPORT

II 115 521
II 117 521-01
II 119 521-02 NOT ILLUSTRATED
II 120 521-03 NOT ILLUSTRATED

PUMPING X DRAINAGE - BILGE X BALLAST PMP
SCUPPERS AND DECK DRAINS

VARIOUS

II 121 529 NOT ILLUSTRATED

FUEL OIL SYSTEM - STRIPPING PUMP
HAND PUMP, FUEL OIL

BLACKMER PUMP

II 122 541 NOT ILLUSTRATED

FIRE FIGHTING
FIRE FIGHTING EQUIPMENT
HILLER FIRE EXTINGUISHING SYSTEM

VARIOUS
HILLER SYSTEMS INC.

II 123 555 NOT ILLUSTRATED
II 126 555-01 NOT ILLUSTRATED

STEERING SYSTEM
STEERING SYSTEM
HYDRAULIC CYLINDER
RELIEF VALVE
HYDRAULIC FILTER, SPIN-ON TYPE
GAUGE, HYDRAULIC PRESSURE
HYDRAULIC HOSES
TILLER, STEERING, EMERGENCY
RUDDER AND STOCK ASSEMBLY

VARIOUS
SPENCER INDUSTRIES, INC.
BROWN AND SHARP MFG. CO.
GRESER MFG. CO.
NOSHOK INC
AEROQUIP CORP
VARIOUS
USCG YARD

II 128 561 NOT ILLUSTRATED
II 129 561-01 NOT ILLUSTRATED
II 130 561-02 NOT ILLUSTRATED
II 131 561-03 NOT ILLUSTRATED
II 132 561-04 NOT ILLUSTRATED
II 133 561-05 NOT ILLUSTRATED
II 134 561-06 NOT ILLUSTRATED
II 135 561-07

MOORING
MOORING AND TOWING EQUIPMENT

VARIOUS

II 136 582 NOT ILLUSTRATED

<u>S PART DATA</u>	<u>MFG / TYPE</u>	<u>PAGE NO</u>	<u>FIGURE</u>	
RUB RAIL	THE JOHNSON RUBBER COMPANY	II 138	582-01	NOT ILLUSTRATED
<u>LIFESAVING EQUIPMENT</u>				
EMERGENCY FLOATATION DISTRESS MARKER	VARIOUS	II 139	583	NOT ILLUSTRATED
<u>SMALL BOATS - ACCESSORIES</u>				
HELMSMAN CHAIR	VARIOUS	II 140	600	
BOAT OUTFIT LIST	VARIOUS	II 142	600-01	NOT ILLUSTRATED
BATTLE LANTERN ASSEMBLY	VARIOUS	II 145	600-02	NOT ILLUSTRATED
<u>PORTS AND WINDOWS</u>				
WINDOWS				
PORTLIGHT	USCG YARD	II 146	625	NOT ILLUSTRATED
WINDSHIELD WIPER KIT AND MOTOR ASSY, NEW STYLE	STD EQUIPMENT CO.	II 147	625-01	NOT ILLUSTRATED
WINDSHIELD WIPER MOTOR, OLD STYLE	SPRAGUE DEVICES INC.	II 148	625-02	NOT ILLUSTRATED
	SPRAGUE DEVICES INC.	II 150	625-03	NOT ILLUSTRATED
<u>ELECTRIC POWER SUPPLY - CATHODIC PROTECT</u>				
CATHODIC PROTECTION	US ARMY	II 151	633	NOT ILLUSTRATED
<u>SANITATION</u>				
SANITARY SPACES	THETFORD COMPANY	II 152	644	NOT ILLUSTRATED
<u>FOOD SERVICE - GENERAL</u>				
COMMISSARY SPACES	STAR MFG. CO.	II 153	651	NOT ILLUSTRATED
<u>DAMAGE CONTROL</u>				
DAMAGE CONTROL EQUIPMENT	VARIOUS	II 154	664	NOT ILLUSTRATED
CG - P1B DROP PUMP ENGINE	SCOTT DIVISION - ARDOX CORP	II 157	664-01	
CG-P1 PUMP ILLUSTRATED PARTS BREAKDOWN	SCOTT	II 167	664-02	
PORTABLE DROP PUMP, CG-P5 DEWATERING PUMP	SCOT DIV.ARDORX CORP.CEDARBURG WI.	II 175	664-03	
ENGINE, GASOLINE, CG-P5 DEWATERING PUMP	BRIGGS AND STRATTON CORPORATION	II 183	664-04	
MODIFICATION KIT, CG-P5 DEWATERING PUMP	SCOT PUMP COMPANY, CEDARBURG, WI	II 197	664-05	NOT ILLUSTRATED

SECTION IIIA
NIIN CROSS REFERENCE

NIIN TO FIGURE / ITEM NUMBER

SECTION IIIB
PART CROSS REFERENCE

PART NUMBER TO FIGURE / ITEM NUMBER

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