



DEPARTMENT OF THE NAVY

PROGRAM EXECUTIVE OFFICE
EXPEDITIONARY WARFARE
2531 JEFFERSON DAVIS HIGHWAY
ARLINGTON VA 22242-5171

9593

IN REPLY REFER TO

Ser 377/0116

MAR 24 2000

From: Program Executive Officer, Expeditionary Warfare
To: Commander, Naval Surface Force, U.S. Atlantic Fleet
(N431B1, N432A5, N434)
Commander, Naval Surface Force, U.S. Pacific Fleet
(N4312, N434)
Commander, Norfolk Naval Shipyard, Norfolk, VA (200)
Commander, Puget Sound Naval Shipyard Detachment, Boston,
MA (200)

Subj: LHA 1 CLASS ALTERATION EQUIVALENT TO A REPAIR (AER)
NO. 17/99, LHD 1 CLASS AER NO. 40/99, LPD 4 CLASS AER
NO. 22/99, LSD 36 CLASS AER NO. 09/99, LSD 41 CLASS AER
NO. 29/99, LSD 49 CLASS AER NO. 29/99, LCC 19 CLASS AER
NO. 09/99, AGF 3/11 CLASS AER NO. 09/99 AND LST 1179 CLASS
AER NO. 01/99; REPLACE CHT PUMPS WITH EDDY PUMPS

Ref: (a) LSD 41/49 Class Maintenance and Modernization
Conference Action Item Matrix No. 98-1-41
(b) NAVSEA S9AA0-AB-GOS-010; General Specifications for
Overhaul of Surface Ships (GSO)

1. LHA 1 Class AER No. 17/99, LHD 1 Class AER No. 40/99, LPD 4
Class AER No. 22/99, LSD 36 Class AER No. 09/99, LSD 41 Class AER
No. 29/99, LSD 49 Class AER No. 29/99, LCC 19 Class AER No.
09/99, AGF 3/11 Class AER No. 09/99, and LST 1179 Class AER No.
01/99 to replace CHT pumps with EDDY Pumps Model CC-3000 or equal
are approved, subject to Type Commander (TYCOM) authorization and
funding. These AERs are applicable to all LHA 1, LHD 1, LPD 4,
LSD 36, LSD 41, LSD 49, LCC 19, AGF 3/11, and LST 1179 Class
Ships.

2. Reference (a) requested PMS377F investigate a replacement
pump for existing CHT Pumps.

a. Current shipboard CHT Pumps are unreliable and require
disassembly approximately every three months for cleaning and
repair of leaking mechanical seals. The existing CHT pumps on
most Aircraft Carriers have been replaced with Eddy Pumps which
have proven to be more reliable.

b. Existing CHT Pumps shall be replaced with Eddy Pump Model
CC-3000 or equal. In addition, the comminutors should be removed
and replaced with a spool piece. The existing motor controllers
are to be modified to eliminate dual pump operation.

c. LSD 49 Class Eddy Pumps shall have vibration mounts
installed to reduce noise levels in compartment 4-35-2-Q. The
existing LSD/LHD sewage macerator pump will be addressed by
separate correspondence.

d. All controller components for both pumps in a duplex set,
including specific controller components associated with the Eddy

Subj: LHA 1 CLASS ALTERATION EQUIVALENT TO A REPAIR (AER)
NO. 17/99, LHD 1 CLASS AER NO. 40/99, LPD 4 CLASS AER
NO. 22/99, LSD 36 CLASS AER NO. 09/99, LSD 41 CLASS AER
NO. 29/99, LSD 49 CLASS AER NO. 29/99, LCC 19 CLASS AER
NO. 09/99, AGF 3/11 CLASS AER NO. 09/99, AND LST 1179
CLASS AER NO. 01/99; REPLACE CHT PUMPS WITH EDDY PUMPS

Pumps, shall be incorporated into a single control circuit and a single controller enclosure.

3. These AERs are intended for accomplishment by a Depot-level Maintenance Activity. All required materials are to be provided by the installing activity. These AERs should be installed and tested in accordance with reference (c) sections 302 and 593.

4. Integrated Logistic Support Requirements for this AER are as follows:

a. For COMNAVSURFLANT and COMNAVSURFPAC:

(1) TYCOM is responsible to ensure that all logistics (e.g. technical manuals, supply support, training, Ship's Selected Records (SSR), etc.) are funded and accomplished to support this installation. Failure to do so will have an adverse impact on ship's configuration and material readiness.

(2) Upon completion of this AER, ship's force shall submit OPNAV Form 4790/CK to the appropriate Configuration Data Manager (CDM). "LHA 1 Class AER No. 17/99" or "LHD 1 Class AER No. 40/99" or "LPD 4 Class AER No. 22/99" or "LSD 36 Class AER No. 09/99" or "LSD 41 Class AER No. 29/99" or "LSD 49 Class AER No. 29/99" or "LCC 19 Class AER No. 09/99" or "AGF 3/11 Class AER No. 09/99" or "LST 1179 Class AER No. 01/99" shall be typed in the Job Description/Remarks (Section II) for reporting AER completion and configuration update. Ship's force shall forward copies of applicable red-lined sections of impacted SSR including, but not limited to the Ship Information Book (SIB) and the Ship's Drawing Index (SDI) to the Planning Yard (PY) engineering division, Code 200.

(3) Weight and moment changes are negligible.

(4) Both Planned Maintenance System (PMS) and the Engineering Operational Sequence System (EOSS) are affected. NAVSURFWARCEN SHIPSYSENGSTA PHILADELPHIA PA Code 942 shall be tasked to update PMS, and NAVSURFWARCEN SHIPSYSENGSTA PHILADELPHIA PA Code 943 shall be tasked to update EOSS.


(5) Installation drawings should be prepared by the PY, but if drawings or sketches are prepared by another activity, they shall be forwarded to the PY for review and approval prior to installation.

b. For Planning Yard: Upon receipt of the 4790/CK or other notification of AER completion, the PY shall update the SSR

Subj: LHA 1 CLASS ALTERATION EQUIVALENT TO A REPAIR (AER)
NO. 17/99, LHD 1 CLASS AER NO. 40/99, LPD 4 CLASS AER
NO. 22/99, LSD 36 CLASS AER NO. 09/99, LSD 41 CLASS AER
NO. 29/99, LSD 49 CLASS AER NO. 29/99, LCC 19 CLASS AER
NO. 09/99, AGF 3/11 CLASS AER NO. 09/99, AND LST 1179
CLASS AER NO. 01/99; REPLACE CHT PUMPS WITH EDDY PUMPS

(including, but not limited to, the SIB and SDI) affected by this AER during the next scheduled Fleet Modernization Program (FMP) availability.

5. The PMS377 point of contact is CDR Wayne Mathe, DSN 332-8800 extension 270 or commercial (703) 602-8800 extension 270.


CAPT T. H. GORSKI
Program Manager
Amphibious Warfare Program

Copy to:

SUPSHIP PORTSMOUTH VA, (Codes 200, 900)
SUPSHIP SAN DIEGO CA (Codes 200, 900)
NAVSURFWARCEN SHIPSYSENGSTA PHILADELPHIA PA (Codes 925, 942, 943)
FTSCLANT NORFOLK VA (Codes 4316, 4325)
FTCPAC SAN DIEGO CA (Codes 303, 305)

Subj: LHA 1 CLASS ALTERATION EQUIVALENT TO A REPAIR (AER)
NO. 17/99, LHD 1 CLASS AER NO. 40/99, LPD 4 CLASS AER
NO. 22/99, LSD 36 CLASS AER NO. 09/99, LSD 41 CLASS AER
NO. 29/99, LSD 49 CLASS AER NO. 29/99, LCC 19 CLASS AER
NO. 09/99, AGF 3/11 CLASS AER NO. 09/99, AND LST 1179
CLASS AER NO. 01/99; REPLACE CHT PUMPS WITH EDDY PUMPS

Blind copy to:

SEA 03L1

03Z43

PMS377F1

377F12

377F13

377F2

377F21

377F22

377F23

377F3

377F31

377F32

377F33

377H1

377H11

377H12

3771B4

307H1

307S (ser047 Files)

307E1 (AER FILES)

TMA (ROGER BURKHART, HME-353A)