Ship/HULL NO.	Ship/HULL NAME	JON:	ICN: 38KFA51302 R ~~38KF251301~~	Rev: -	Key Op: A01
LPD-18	USS NEW ORLEANS				

H. Shibue, S310, 01/12/26.

TITLE:

Exhaust Ventilation Fan Motor (ES-127, 5-46-4); repair

JOB SPECIFICATION

Anticipated Award Date	Production Completion Date:	PREPARING ACTIVITY:
06/22/2026	09/07/2026	SASEBO
POP Start Date: 07/27/2026	POP End Date: 10/31/2026	

PREPARED BY: Y. NAGAMINE	CODE E NA	DATE 7/21/2025
APPROVED BY: S. MURAKAMI	CODE S225	
CONCURRED BY: A. OKA	CODE S233	
ASSIST PLANNER'S NAME:	CODE	
ASSIST PLANNER'S NAME:	CODE	
ASSIST PLANNER'S NAME:	CODE	

All pages of this documents will change ICN from 38KF251301 to 38KFA51302 R where written as shown on this coversheet.
All pages of this documents will change AVAIL ID from 6J1 to 6A1 where written as shown on this coversheet.

DESCRIPTION:

JSN(S): EE07-1342 CASREP #

S/F CONTACT: MARQUEZ ET2 / ATKERSON LTJG CWP # CCNS #

Approved by S300/S900 LT Arnold, S300 Date: 23JUL25 Avl: ~~6J1~~ 6A1

H. Shibue, S310, 01/12/26.

LWC:

Work Completed

S/Force : Rate: Date:

Ship Supt: Date: SRF CONTROL NO.: 1301370165

WORK CERTIFICATION SIGNATURES

COMPLETION OF WORK REVIEW:	BADGE NO.:	SHOP/CODE:	PHONE:	DATE:

1. **SCOPE**:

1.1 Title: Exhaust Ventilation Fan Motor (ES-127, 5-46-4); repair

1.2 Location of Work:

1.2.1 Uptake Space (5-45-0-Q)

1.2.2 Auxiliary Machinery Room No.One (7-33-0-E)

1.3 Identification: Exhaust Ventilation System

1.3.1 Quantity (One EA), Exhaust Ventilation Fan Assembly (Exhaust Ventilation Fan 5-46-4, ES-127) located in 1.2.1 for No.2 SSDG Enclosure located in 1.2.2

MFR ID	- American Fan Company Inc
MFT DWG	- NV00006
Fan size	- A20A4W6/TP
Capacity	- 18,000 CFM
Type	- VNXL
APL No.	- 40A020022

1.3.1.1 Quantity (One EA), Fan Motor located in 1.2.1

Manufacture	- Reliance Electric Company
MFR DWG NO.	- 801631-574
MFR ID	- 801631-574-1
Horsepower	- 20 / 6 HP
Amps	- 26 / 9.8 A
Speed	- 1770 / 1185 RPM
Volts	- 440 VAC
Frequency	- 60 HZ
Phase	- 3
Insulation Class	- F (Sealed Insulation System)
Duty	- CONTINUOUS
APL No.	- 17A020027

1.3.1.2 Quantity (One EA), Motor Controller located in 1.2.2 for the Motor listed in 1.3.1.1

Manufacture	- Carolina Power Systems Inc
MFR P/N NO.	- 215-127-010
Serial	- 002
Horsepower	- 25 (MAX)
Volts	- 440 VAC
Frequency	- 60 HZ
Phase	- 3
APL No.	- 15A020062

2. **REFERENCES**:

2.1 Standard Items (FY26)

2.2 S6262-BH-MMC-070 Rev 4, Motor Controllers, LPD 17 Class P/NS 215-109-101 through 215-128-010

2.3 S6262-BH-MMC-140 Rev 3, Motor Controllers, LPD-17 Class P/NS 215-394-010 through 215-630-010

2.4 320-7318417.Rev F, Power System Ventilation, Heating & Cooling Elementary Wiring Diagrams

2.5 320-8672764, SHIPALT LPD17-82469K SSDG Ventilation 60HZ PWR SYS MOD

2.6 202-7320379 Rev D, Data Acquisition Unit No.21 Block Wiring Diagram

2.7 MFR DWG. 801631-574 Rev B, Motor, Alternating Current

2.8 MFR DWG. NV00006 Rev K, Navy Standard Vaneaxial Fan Assembly "A20A4W6/TP"

2.9 512-7318922 Rev D, HVAC Arrangement Unit 1430

2.10 512-7318924 Rev C, Unit Arrangement Unit 1440

2.11 600-7318032 Rev G, Outfitting Items Structural Unit 1440

2.12 09-1430-07 Rev E, HVAC Arrangement Unit 1430 V/D

2.13 MFR DWG. 641-1 Rev G, FIG 641, 5-1/2"-36" Fire Resistant Ventilation Butterfly Valve

2.14 MFR DWG. 777-151-061A, FIG.777 1-PH EPI-151 Fire-Resistant Electric ACT

3. **REQUIREMENTS**:

3.1 Inspect the controller listed in 1.3.1.2, cables and mounting hardware terminating in the electric motor listed in 1.3.1.1 for previous damage and deterioration, using 2.2 through 2.7 for guidance.

3.1.1 Verify correct value of overload setting or size of heater coils based on motor nameplate full load running current.

(V) "REPORT"

3.1.2 Submit one legible copy of condition report listing results of 3.1 and 3.1.1 to the SUPERVISOR.

3.2 Accomplish the requirements of **009-17** of 2.1 for the ventilation fan assembly listed in 1.3.1, using 2.7 through 2.14 for guidance.

3.2.1 Remove existing and install new parts listed in paragraph 5.

3.2.2 Disassemble the motor and the vent fan casing on site and transport the motor with impeller to the shop.

3.2.3 Accomplish the requirements of **009-32** of 2.1 for cleaning and preservation of motor housing, fan, interior and exterior of each end bell, fan casing, impeller and foundation.

3.2.4 Accomplish the requirements of **009-15** of 2.1 for balancing of each rotating assembly.

3.2.5 Accomplish a shop load test of the equipment listed in 1.3.1.1 with the impeller for one hour after the temperature stabilized. Ensure correct operation.

3.2.6 Assemble the motor and the vent fan casing on site.

3.2.7 Remove existing and install new gaskets conforming to HH-P-151 for duct flanges.

3.3 Accomplish the requirements of **009-32** of 2.1 for new and disturbed surfaces.

4. NOTES:

4.1 Initial Condition - During normal operation, S/F discovered ES-127 motor controller and fan assembly are INOP leading to a degradation in ventilation for SSDG No.2 enclosure. Motor controller is unable to operate locally and remotely. Fan assembly is degraded and requires full replacement. And damper was to be manually opened.

4.2 SRF Tool Room will issue each gauge and dial indicator when required.

4.3 Operational shop test in the **009-17** of 2.1 will be covered by 3.2.5.

4.4 Ship's Force will issue Hand Held Programmer (HHP) tester when required.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 See attached Government Furnished Material list.

Ship/HULL NO.	Ship/HULL NAME	JON:	ICN: 38KFA51302R ~~38KF251301~~	Rev:	Key Op:
LPD-18	USS NEW ORLEANS			-	A01

TITLE:

Exhaust Ventilation Fan Motor (ES-127, 5-46-4); repair

Symbol: M: Mandatory, C: Contingency, ML: Mandatory LLTM, CL: Contingency LLTM

MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	PARA NO.
001	-	2.8	C	IMPELLER,FAN,AXIAL, P/N A20A4W6IMP CONTINGENCY	9B 4140 015086550	N	5192B019	1/EA	3.2
002	-	2.8	M	GASKET, P/N NV16016A1	9B 5330 015083961	N	5189B042	1/EA	3.2
003	-	2.8	M	BUSHING,NONMETALLIC, P/N 21722	9B 5365 015087331	N	5189B043	4/EA	3.2
004	-	2.7	M	PACKING WITH RETAIN, P/N 404080-D PC 17B	9B 5330 000039302	N	5189B045	3/EA	3.2
005	-	2.7	M	GASKET, P/N 65591-D 12A	9B 5330 011598419	N	5189B046	1/EA	3.2
006	-	2.7	M	SHIELDING GASKET,EL, P/N 65776-V 12A	9B 5999 011951313	N	5189B047	2/EA	3.2
007	-	2.7	M	BEARING,WASHER,THRU, P/N 66373-15-B 35A	9B 3120 011063935	N	5189B048	1/EA	3.2
008	-	2.7	M	WASHER,SPRING TENSI, P/N 400638-1-H 21A	9B 5310 010669895	N	5189B050	1/EA	3.2
009	-	2.7	C	THERMOSTAT, P/N 46001-AD 37A	9B 5930 011653818	N	5189B051	3/EA	3.2
010	-	2.7	M	DEFLECTOR,DIRT AND, P/N 603285-3-Z 34A SLINGER	9B 4310 014148032	N	5192B020	1/EA	3.2
011	-	2.7	M	PACKING WITH RETAIN, P/N 404080-D 18B	9B 5330 000039302	N	5192B021	3/EA	3.2