NWS: EHB-6, Maintenance Note 37
DoD: TO 31P1-4-108-611

MAIN POWER DISTRIBUTION PANEL WARNING LABEL

DOPPLER METEOROLOGICAL RADAR WSR-88D

DoD Distribution Statement A - Approved for public release; distribution is unlimited.

PUBLISHED UNDER AUTHORITY OF THE SECRETARIES OF
COMMERCE, THE AIR FORCE, THE NAVY, AND TRANSPORTATION

Data Code: 3119468
Issuance Number: EHB 6-03-04
Issuance Date: 06 August 2003
DoD/NWS Rescission Date: 1 September 2004

NWS APPROVAL:

Signature Not Verified

Mark S. Paese

Digitally signed by Mark S. Paese
DN: cn=Mark S. Paese, o=DOC/NOAA/NWS, c=US
Date: 2003.08.14 07:45:38 -04'00'

Date

Mark S. Paese
Director, Maintenance Logistics and Acquisition Division

DoD APPROVAL:

BY ORDER OF THE SECRETARY OF THE AIR FORCE

JOHN P. JUMPER, General, USAF
Chief of Staff

Signature Not Verified

Peter Grant

Digitally signed by Peter Grant
DN: cn=Peter Grant, o=Radar Operations Center, c=US
Date: 2003.08.18 [illegible]57 -05'00'

Date

Edward L. Berkowitz, Chief
Program Branch
Radar Operations Center
TOMA

1. SUBJECT

Main Power Distribution Panel (UD7A2) Warning Label.

2. PURPOSE

With the completion of Modification Note 67, AF TO 31P1-4-108-600, an energized circuit travels through the Main Power Distribution Panel (UD7A2) to the Secondary Power Distribution Panel (UD7A3). Even if the Main Power Circuit breaker, 200 amp for single channel or 225 for redundant, is OFF, power will still be present, which is supplied by Transition Power Source (TPS). The addition of the label provided in the kit warns a technician working within the Main Power Distribution Panel that an engergized circuit exists.

The authority for this modification is Radar Operations Center (ROC) Engineering Change Proposal (ECP) F0059R3, Continuous Power Source for WSR-88D Radars (TPMS).

For additional information concerning this document, contact the ROC Hotline, Norman, OK; phone number: (800) 643-3363 or (405) 366-2980 or by e-mail at NEXRAD.Hotline@noaa.gov. An electronic copy of this document can be found at the following internet address: www.roc.noaa.gov/ssb/sysdoc/techman/tmlinks.asp

3. SITES AFFECTED

See ATTACHMENT 2.

4. ESTIMATED COMPLETION DATE

This modification must be reported completed no later than 60 days after receipt of this document and the date the kit was shipped from the National Logistics Support Center (NLSC).

5. EQUIPMENT AFFECTED

Radar Data Acquisition Group.

6. SPARES AFFECTED

Not applicable.

7. MODIFICATION ACCOMPLISHED BY

Site electronics technicians will perform this modification. One technician is required to perform this action.

8. MATERIAL REQUIRED

Nomenclature	Part Number	NSN	Qty
Critical power label	2200132-201	N/A	1

9. SOURCE OF MATERIALS

Kits are requisitioned by the ROC Retrofit Management Team and shipped at no cost to the site.

10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED

Not applicable.

11. TIME AND PERSONNEL REQUIRED

Work Phases	Work-hours
Unpacking	.0
Disassembly	.0
Installation	.25
Assembly	.0
Operational Check	.0
Total Work-hours	.25

12. DOCUMENTS AFFECTED

Not applicable.

13. VERIFICATION STATEMENT

This modification was successfully performed at the Radar Operations Center, Norman, OK.

14. DISPOSITION OF REMOVED AND REPLACED PARTS/MATERIALS

Not applicable.

15. PROCEDURES

See ATTACHMENT 1.

16. FAA DISTRIBUTION

Not applicable.

17. CHANGES TO TABLE OF CONTENTS (FAA)

Not applicable.

18. RECOMMENDATIONS FOR CHANGES (FAA)

Not applicable.

19. REPORTING INSTRUCTIONS

a. NWS

Report completed Maintenance Note using the Engineering Management Reporting System (EMRS) according to the instructions in NWS Instructions 30-2104, Maintenance Documentation, Part 4 of Appendix E. Include the following information on the EMRS report:

- An Equipment Code of RDA in block 7.
- The appropriate serial number in block 8.
- A Mod No. of M37 in block 17a.

A sample EMRS report is provided as ATTACHMENT 4.

b. DoD

Update the AFTO Form 95 to show TCTO compliance. Report TCTO compliance in accordance with TO 00-20-2, Table 3-10, Rule 9.

Complete ATTACHMENT 3 and return the information to the ROC by one of the four methods below:

(1) Mail Address: Program Branch, Retrofit Management Team
WSR-88D Radar Operations Center
3200 Marshall Ave., Suite 101
Norman, Oklahoma 73072-8028

(2) Fax Number: (405) 366-6553
ATTN: Retrofit Management Team

(3) E-mail Address: NEXRAD.Logistics@noaa.gov

(4) Web Version: http://www.roc.noaa.gov/ssb/logistics/complete/

ATTACHMENT 1

LABELING INSTRUCTIONS

1. Locate the Main Power Distribution Panel (UD7A2).

2. Ensure the lower right corner of the Main Power Distribution Panel (UD7A2) is clean of any dirt or oil.

3. Using the label provided in the kit, attach the label to the lower right corner of the Main Power Distribution Panel (UD7A2) door as shown in figure 1.

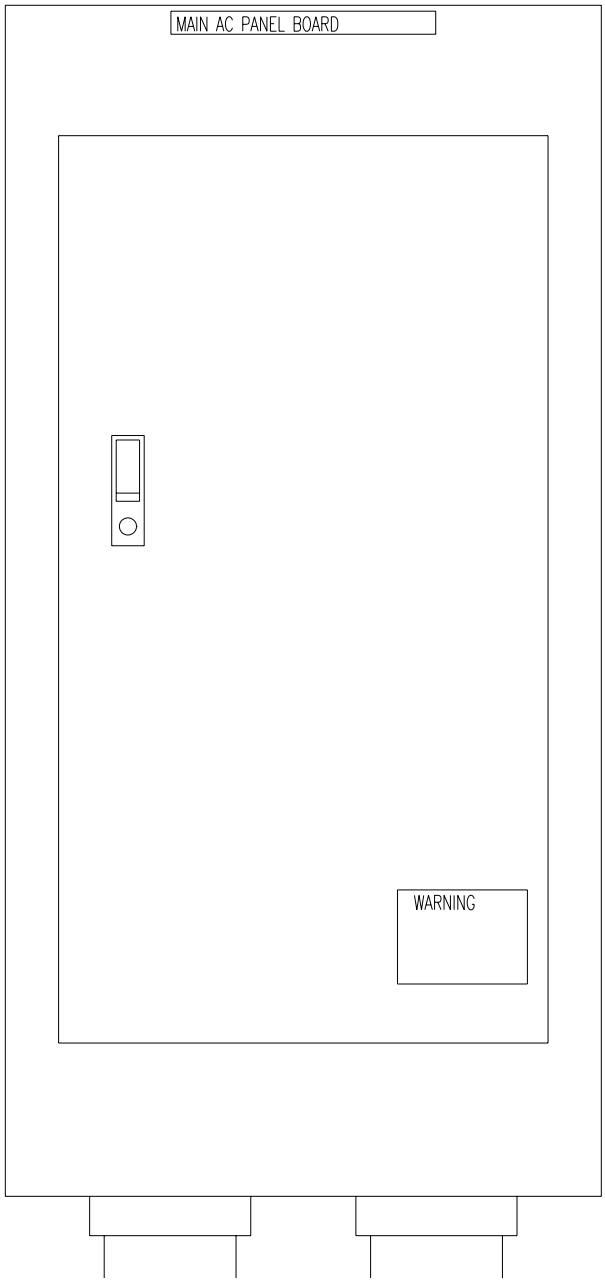

Figure 1. Warning Label Location

ATTACHMENT 2

EFFECTIVITY

NWS

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
	Eastern Region			
ALBANY	EAST BERNE, NY	RDA	ENX	WN9518
BINGHAMTON	BINGHAMTON, NY	RDA	BGM	WN9515
BOSTON	TAUNTON, MA	RDA	BOX	WN9509
BROOKHAVEN	UPTON, NY	RDA	OKX	WN9912
BUFFALO	BUFFALO, NY	RDA	BUF	WN9528
BURLINGTON	COLCHESTER, VT	RDA	CXX	WN9617
CARIBOU	HOULTON, ME	RDA	CBW	WN9712
CHARLESTON, SC	GRAYS, SC	RDA	CLX	WN9208
CHARLESTON, WV	CHARLESTON, WV	RDA	RLX	WN9414
CINCINNATI	WILMINGTON, OH	RDA	ILN	WN9710
CLEVELAND	CLEVELAND, OH	RDA	CLE	WN9524
COLUMBIA	WEST COLUMBIA, SC	RDA	CAE	WN9310
GREER	GREER, SC	RDA	GSP	WN9312
MOREHEAD CITY	NEWPORT, NC	RDA	MHX	WN9307

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
NORFOLK	WAKEFIELD, VA	RDA	AKQ	WN9952
PHILADELPHIA	FORT DIX, NJ	RDA	DIX	WN9950
PITTSBURGH	CORAOPOLIS, PA	RDA	PBZ	WN9917
PORTLAND, ME	GRAY, ME	RDA	GYX	WN9938
RALEIGH/DURHAM	CLAYTON, NC	RDA	RAX	WN9306
ROANOKE	ROANOKE, VA	RDA	FCX	WN9954
STATE COLLEGE	STATE COLLEGE, PA	RDA	CCX	WN9925
STERLING	STERLING, VA	RDA	LWX	WN9931
WILMINGTON	SHALLOTTE, NC	RDA	LTX	WN9301
Southern Region				
ALBUQUERQUE	ALBUQUERQUE, NM	RDA	ABX	WP9365
AMARILLO	AMARILLO, TX	RDA	AMA	WP9363
ATLANTA	PEACHTREE CITY, GA	RDA	FFC	WP9219
AUSTIN/SAN ANTONIO	NEW BRAUNFELS, TX	RDA	EWX	WP9253
BIRMINGHAM	ALABASTER, AL	RDA	BMX	WP9957
BROWNSVILLE	BROWNSVILLE, TX	RDA	BRO	WP9250
CORPUS CHRISTI	CORPUS CHRISTI, TX	RDA	CRP	WP9251

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
DALLAS/FT WORTH	FORT WORTH, TX	RDA	FWS	WP9259
EL PASO	SANTA TERESA, NM	RDA	EPZ	WP9270
HOUSTON	DICKINSON, TX	RDA	HGX	WP9935
JACKSON, MS	JACKSON, MS	RDA	JAN	WP9235
JACKSONVILLE	JACKSONVILLE, FL	RDA	JAX	WP9206
KEY WEST	BOCA CHICA KEY, FL	RDA	BYX	WP9201
KNOXVILLE	MORRISTOWN, TN	RDA	MRX	WP9325
LAKE CHARLES	LAKE CHARLES, LA	RDA	LCH	WP9240
LITTLE ROCK	NORTH LITTLE ROCK, AR	RDA	LZK	WP9340
LUBBOCK	LUBBOCK, TX	RDA	LBB	WP9933
MELBOURNE	MELBOURNE, FL	RDA	MLB	WP9204
MEMPHIS	MILLINGTON, TN	RDA	NQA	WP9334
MIAMI	MIAMI, FL	RDA	AMX	WP9918
MIDLAND/ODESSA	MIDLAND, TX	RDA	MAF	WP9265
MOBILE	MOBILE, AL	RDA	MOB	WP9223
NASHVILLE	OLD HICKORY, TN	RDA	OHX	WP9327
NORMAN	MIDWEST CITY, OK	RDA	TLX	WP9921
NORTHEAST ALABAMA	HYTOP, AL	RDA	HTX	WP9913

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
SAN ANGELO	SAN ANGELO, TX	RDA	SJT	WP9263
SHREVEPORT	SHREVEPORT, LA	RDA	SHV	WP9248
SLIDELL	SLIDELL, LA	RDA	LIX	WP9919
TALLAHASSEE	TALLAHASSEE, FL	RDA	TLH	WP9214
TAMPA	RUSKIN, FL	RDA	TBW	WP9961
TULSA	INOLA, OK	RDA	INX	WP9356
WESTERN ARKANSAS	CHAFFEE RIDGE, AR	RDA	SRX	WP9356
Central Region				
ABERDEEN	ABERDEEN, SD	RDA	ABR	WR9659
BISMARCK	BISMARCK, ND	RDA	BIS	WR9764
CHEYENNE	CHEYENNE, WY	RDA	CYS	WR9564
CHICAGO	ROMEOVILLE, IL	RDA	LOT	WR9969
DENVER	FRONT RANGE AP, CO	RDA	FTG	WR9469
DES MOINES	JOHNSTON, IA	RDA	DMX	WR9546
DETROIT	WHITE LAKE, MI	RDA	DTX	WR9954
DODGE CITY	DODGE CITY, KS	RDA	DDC	WR9451
DULUTH	DULUTH, MN	RDA	DLH	WR9745

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
FARGO/GRAND FORKS	GRAND FORKS, ND	RDA	MVX	WR9750
GOODLAND	GOODLAND, KS	RDA	GLD	WR9465
GRAND ISLAND	BLUE HILL, NE	RDA	UEX	WR9552
GRAND JUNCTION	GRAND JUNCTION, CO	RDA	GJX	WR9476
GRAND RAPIDS	GRAND RAPIDS, MI	RDA	GRR	WR9635
GREEN BAY	GREEN BAY, WI	RDA	GRB	WR9645
INDIANAPOLIS	INDIANAPOLIS, IN	RDA	IND	WR9438
JACKSON, KY	JACKSON, KY	RDA	JKL	WR9956
LA CROSSE	LA CROSSE, WI	RDA	ARX	WR9643
LINCOLN	LINCOLN, IL	RDA	ILX	WR9436
LOUISVILLE	FORT KNOX, KY	RDA	LVX	WR9423
MARQUETTE	NEGAUNEE, MI	RDA	MQT	WR9743
MILWAUKEE	DOUSMAN, WI	RDA	MKX	WR9965
MINNEAPOLIS	CHANHASSEN, MN	RDA	MPX	WR9658
NCL MICHIGAN	GAYLORD, MI	RDA	APX	WR9610
NORTH PLATTE	NORTH PLATTE, NE	RDA	LNX	WR9562
NORTHERN INDIANA	NORTH WEBSTER, IN	RDA	IWX	WR9534
OMAHA	VALLEY, NE	RDA	OAX	WR9553

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
PADUCAH	PADUCAH, KY	RDA	PAH	WR9957
PLEASANT HILL	PLEASANT HILL, MO	RDA	EAX	WR9446
PUEBLO	PUEBLO, CO	RDA	PUX	WR9464
QUAD CITIES	DAVENPORT, IA	RDA	DVN	WR9544
RAPID CITY	NEW UNDERWOOD, SD	RDA	UDX	WR9662
RIVERTON/LANDER	RIVERTON, WY	RDA	RIW	WR9576
SIOUX FALLS	SIOUX FALLS, SD	RDA	FSD	WR9651
SPRINGFIELD	SPRINGFIELD, MO	RDA	SGF	WR9440
ST LOUIS	WELDON SPRING, MO	RDA	LSX	WR9971
TOPEKA	TOPEKA, KS	RDA	TWX	WR9456
WICHITA	WICHITA, KS	RDA	ICT	WR9450
Western Region				
BILLINGS	BILLINGS, MT	RDA	BLX	WT9677
BOISE	BOISE, ID	RDA	CBX	WT9681
CEDAR CITY	CEDAR CITY, UT	RDA	ICX	CONCDC
ELKO	ELKO, NV	RDA	LRX	WT9903
EUREKA (BUNKER HILL)	EUREKA, CA	RDA	BHX	WT9594

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
FLAGSTAFF	FLAGSTAFF, AZ	RDA	FSX	WT9375
GLASGOW	GLASGOW, MT	RDA	GGW	WT9768
GREAT FALLS	GREAT FALLS, MT	RDA	TFX	WT9950
LAS VEGAS	LAS VEGAS, NV	RDA	ESX	WT9386
LOS ANGELES	LOS ANGELES, CA	RDA	VTX	WT9295
PENDLETON	PENDLETON, OR	RDA	PDT	WT9688
PHOENIX	PHOENIX, AZ	RDA	IWA	WT9278
POCATELLO	SPRINGFIELD, ID	RDA	SFX	WT9578
PORTLAND, OR	PORTLAND, OR	RDA	RTX	WT9698
RENO	NIXON, NV	RDA	RGX	WT9488
SACRAMENTO	DAVIS, CA	RDA	DAX	WT9914
SALT LAKE CITY	SALT LAKE CITY, UT	RDA	MTX	WT9932
SAN DIEGO	SAN DIEGO, CA	RDA	NKX	WT9918
SAN FRANCISCO	LOS GATOS, CA	RDA	MUX	WT9933
SAN JOAQUIN VALY	HANFORD, CA	RDA	HNX	WT9389
SANTA ANA MTS	SANTA ANA MOUNTAINS, CA	RDA	SOX	WT9918
SEATTLE	EVERETT, WA	RDA	ATX	WT9922
SPOKANE	SPOKANE, WA	RDA	OTX	WT9785

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
TUCSON	TUCSON, AZ	RDA	EMX	WT9274
YUMA	YUMA, AZ	RDA	YUX	WT9278
Miscellaneous				
NSSL (RDA/ONAN GEN/PDST)	NORMAN, OK	RDA	NORO2	MAG000
ROC FAA REDUNDANT	NORMAN, OK	RDA	CRIO2	WG9410
DoD				
ALTUS AFB	FREDERICK, OK	RDA	FDR	FE4419
ANDERSEN AFB	ANDERSEN AFB, GU	RDA	UAM	FE5240
BEALE AFB	OROVILLE, CA	RDA	BBX	FE4686
CAMP HUMPHREYS	CAMP HUMPHREYS, KO	RDA	PTK	FI5294
CANNON AFB	FIELD, NM	RDA	FDX	FE4855
COLUMBUS AFB	GREENWOOD SPRINGS, MS	RDA	GWX	FE3022
DOVER AFB	ELLENDALE STATE FOREST, DE	RDA	DOX	FE4497
DYESS AFB	MORAN, TX	RDA	DYX	FE4661
EDWARDS AFB	BORON, CA	RDA	EYX	FE2805

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
EGLIN AFB	RED BAY, FL	RDA	EVX	FE2823
FT CAMPBELL	TRENTON, KY	RDA	HPX	FY4812
FT DRUM	MONTAGUE, NY	RDA	TYX	FY4846
FT HOOD	GRANGER, TX	RDA	GRK	FY4824
FT POLK	FT POLK, LA	RDA	POE	FY4825
FT RUCKER	ECHO, AL	RDA	EOX	FY4805
HOLLOMAN AFB	RUIDOSO, NM	RDA	HDX	FE4801
KADENA AB	KADENA AB, JA	RDA	KAD	FH5270
KUNSAN AB	KUNSAN AB, KO	RDA	KUZ	FH5284
LAJES AB	SANTA BARBARA, AZR	RDA	PLA	FE4486
LAUGHLIN AFB	BRACKETVILLE, TX	RDA	DFX	FE3099
MAXWELL AFB	CARRVILLE, AL	RDA	MXX	FE3300
MINOT AFB	DEERING, ND	RDA	MBX	FE4528
MOODY AFB	SOUTH STOCKTON, GA	RDA	VAX	FE4830
ROBINS AFB	JEFFERSONVILLE, GA	RDA	JGX	FE2067
VANCE AFB	CHEROKEE, OK	RDA	VNX	FE3029
VANDENBERG AFB	ORCUTT, CA	RDA	VBX	FE4610

ATTACHMENT 3

CIRCUIT BREAKER LABELING COMPLETION FORM

********** DoD Only will complete and return this form **********
NWS report completion through EMRS

Site Name: _____

Site Identifier: _____

Total Time to Complete this Modification Document: _____

Technician's Name(s): _____

Technician's Phone Number: _____

Date Completed: _____

Problem(s) Encountered:

_____

_____

_____

_____

Upon completion of this form, return the information to the ROC using one of the four methods below:

1. Mailing Address: Program Branch, Retrofit Management Team
   WSR-88D Radar Operations Center
   3200 Marshall Ave., Suite 101
   Norman, OK 73072-8028

2. FAX Number: (405) 366-6553
   ATTN: Retrofit Management Team

3. E-mail Address: NEXRAD.Logistics@noaa.gov

4. Web Version: http://www.roc.noaa.gov/ssb/logistics/complete/

Attachment 4 - Sample EMRS Report

A26 Detail Form - ESCM2, SILVER SPRING, MD :: EMRS ANALYST - Microsoft Internet Explorer

GENERAL INFORMATION

NEW RECORD | WFO* RLX | Document No.* RLX30715001

1. Open Date	Open Time	2. Op Initials	3. Response Priority	4. Close Date	Close Time
07/15/2003	08:00	WSH	○ Immediate ○ Low ○ Routine ◉ Not Applicable	07/15/2003	08:15

5. Maintenance Description 447 characters left — RADAR, WSR-88D

Attach Warning Label to Main Power Distribution Panel

EQUIPMENT INFORMATION

6. Station ID*	7. Equipment Code	8. Serial Number	9. TM	10. AT	11. How Mal
RLX	RDA	AY39523001	M	M	999

Alert: Time Remaining: 0:00 (For Block 12 use only)

12. EQUIPMENT OPERATIONAL STATUS TIMES

a. Fully Operational		Partially Operational				Not Operational			
		b. Logistic Delay		c. All Other		d. Logistic Delay		e. All Other	
Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes
	15								

13. PARTS USAGE and CONFIGURATION MANAGEMENT REPORTING

ASN	Vendor Part No. (New Part)	Serial Number (Old Part)	Serial Number (New Part)	New Row
				Delete Row

14. WORKLOAD INFORMATION

a. Routine		b. Non-Routine		c. Travel		d. Misc		e. Overtime	
Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes
							15		

MISCELLANEOUS INFORMATION

15. Maintenance Comments 661 characters left

Attached Warning Label to Main Power Distribution Panel I.A.W. NEXRAD Maintenance Note 37

16. Tech Initials: DLC

17. SPECIAL PURPOSE REPORTING INFORMATION

a. Mod No.	b. Mod Act/Deact Date	c. Block C	d. Trouble Ticket No.	e. Block E
M37	07/15/2003			

Commit A26 | Place on Hold | Copy A26 | New A26 | Cancel

Done | Internet