TM	C SPECIFICATION	N	NO. S- 905
REV: ABCDE			
COMPILED: FIMCO	T	APPD:	SHEET 1 OF 4
TITLE:			

NAVSHIP# # 0967-268-2010.

DDR-5A

CONVERSION

KIT-218

THE F RM SPEC J

TM	C SPECIFICATION	NC	NO. s-905
REV: ABCDE			
COMPILED: F TIMCO	CHECKED:	APPD:	SHEET 2 OF 4
TITLE: DDR-5A Conversi	on, KIT-218		

I. EQUIPMENT AFFECTED.

DDR-5A, Dual Diversity Radio Receiver.

II. PURPOSE.

KIT-218 converts Model DDR-5A by removing Diversity Visual Monitor DVM-4 from Receiver 2 of Model DDR-5A, and installing one additional Synthesizer HFS- () and associated cables and connectors. Installation of KIT-218 allows frequency control of each RF tuner HFR-() by an individual Synthesizer HFS-().

III.MATERIALS SUPPLIED IN KIT-218.

Table 1 lists all materials supplied in KIT-218.

TABLE 1. MATERIAL SUPPLIED

MODEL OR TMC PART NO.	DESCRIPTION	QUANTITY
CA-480-3-112	Coaxial cable	1
CA-480-3-128	Coaxial cable	4
CA-480-3-140	Coaxial cable	2
CU-142-2-9	Plastic tie-wrap	35
CU-142-3-9	Plastic tie-wrap for	2
	cable retractors	_
HFS-() and Tech Man-	Synthesizer	1
ual when other than		
HFS-1 is supplied.		
Technical Manual	This addendum and Technical	2
for Diversity	Manual together form Techni-	
Radio Receiver	cal Manual for DDR-5C	
DDR-5A	•	
Addendum for Div-		2
ersity Radio Re-		
ceiver DDR-5C		
NP 362-46	KIT-218 Nameplate	1
TK115-18	TRACK & SLIDE	1 SET

IV. TOOLS REQUIRED (Supplied by installing activity.)

- A. One 1/4 inch open end or box ratchet wrench
- B. One Phillips screwdriver
- C. One pair diagonal cutting pliers
- D. One pair long nose pliers

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TITLE:			DD	R-5	A Co	onv	ers:	ion	, K	IT-	218			·														

V. PROCEDURE.

- A. Disconnect plugs from all jacks on rear panel of DVM-4.
- B. Fold back and neatly strap-up cables disconnected from the DVM, using plastic tie-wraps.
- C. Remove blank panel mounted below DVM-4 on front of Receiver 2; Store panel as desired. Save front panel-top cabinet hardware; it will be re-used.
- D. Remove DVM-4 from cabinet; store as desired. Save drawer-to-cabinet hardware; it will be re-used.
- E. Reposition DVM-4 and AFC-3 cable retractors, mounted at rear of Receiver 2 cabinet, three mounting holes lower.
- F. Reposition DVM-4 cabinet tracks so that top edges of tracks are 14 inches below top of Receiver 2 tear door opening.
- G. Install new HFS-() into empty front bay in Receiver 2 and secure with drawer-to-cabinet hardware.
- H. Remove retaining clamps holding power supply cable for HFS to inside top of Receiver 2. Connect Power Supply cable plug P9068 to jack J3001 on rear panel of newly installed HFS-().
- I. Disconnect the plugs listed in table 2 from their associated jacks. Fold back and neatly strap-up disconnected cables, using plastic tie-wraps.

TABLE 2. PLUGS TO BE DISCONNECTED

PLUG	ASSOCIATED JACK	LOCATION UNIT RCVR
P9112 P9104 P9088 P9019 P9017 P9075 P9111 P9109 P9103 P9087 P9107 P9115 P9113 P9118 P91108	J1310 J6206 J7003 J7007 J7000 J8003 J1313 J3016 J3010 J3015 J3011 J7007 J7000 J1304 J1303	HFR-() 2 HFI-1 2 HFA-1 2 HFA-1 2 HFA-1 2 HFF-1 2 HFF-() 1 HFS-() 1 HFS-() 1 HFS-() 1 HFS-() 1 HFS-() 1 HFS-() 2 HFR-() 2 HFR-() 2

TMC F RM SPEC 1

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J. Connect new cabling in Receiver 2 as indicated in table 3. Wherever possible, neatly route new cabling along with main cabinet wire harness. Liberally use tie-wraps to secure new cabling.

TABLE 3

CABLE	CABLE CONNECTIONS										
PART	F	ROM	T	0							
NO.	UNIT	JACK	UNIT	JACK							
CA-480-3-140 CA-480-3-128 CA-480-3-128 CA-480-3-140 CA-480-3-128 CA-480-3-128 CA-480-3-112	HFS HFS HFS HFS HFS HFS	J3014 J3012 J3017 J3018 J3013 J3008 J3009	HFA HFR HFA HFI HFR HFR	J7002 J1304 J1303 J7003 J6206 J1307 J1302							

- K. Separate retractor cable from tie-wrap that holds DVM-4 cables.
- L. Affix new retractor tie-wrap to retractor cable.
- M. Neatly gather up new cabling connected to the HFS and strap-up cabling with new retractor tie-wrap.
- N. Remove Technical Manual for Diversity Visual Monitor DVM-4 from Technical Manual for DDR-5A; package DVM-4 manual with DVM-4.
- O. Remove system manual for DDR-5A (IN-308) from front of Technical Manual for DDR-5A.
- P. Bind Technical Manual for Diversity Radio Receiver DDR-5B and Addendum for Diversity Radio Receiver DDR-5C (and Technical Manual for HFS- () when other than HFS-1 is supplied) into front of Technical Manual for DDR-5A.
- Q. Make changes to Technical Manual for DDR-5B as shown in Addendum for Diversity Radio Receiver DDR-5B.

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DATE	REV.	SHEET	EMN #	DESCRIPTION		APP.
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/12/67		1,2,3,4		Revised per EMN		al
5/18/67	D		18239	Revised per EMN.		200
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