T.O. 31R2-2GRR-116WC-1

1 JUNE 1982

CHANGE 15 - 3 JANUARY 2000

WORKCARDS SCHEDULED PERIODIC INSPECTION WORKCARDS RECEIVER RADIO AN/GRR-23(V) AND AN/GRR-24(V) P/N 8004203G-1 THRU 20

<u>DISCLOSURE NOTICE</u> - This information is furnished upon the condition that it will not be released to another nation without the specific authority of the Department of the Air Force of the United States, that it will be used for military purposes only, that individual or corporate rights originating in the information, whether patented or not, will be respected, that the recipient will report promptly to the United States, any known or suspected compromise, and that the information will be provided substantially the same degree of security afforded it by the Department of Defense of the United States. Also, regardless of any other markings on the document, it will not be downgraded or declassified without written approval of the originating United States agency.

DISTRIBUTION STATEMENT B - Distribution authorized to U.S. Government Agencies only (Administrative or Operational Use) (3 Jupg 19: 4). Other requests for this document shall be referred to 406 SCMS/GUHA, Robins AFB, GA 31098. Questions concerning technical content shall be referred to 580 CBSS/GBLC.

<u>WARNING</u> - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App. 2401, et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25.

HANDLING AND DESTRUCTION NOTICE - Comply with distribution statement and destroy by any method that will prevent disclosure of contents or reconstruction of the document.

BASIC AND ALL CHANGES HAVE BEEN MERGED TO MAKE THIS A COMPLETE PUBLICATION

TO 31R2-2GRR-116WC-1 LIST OF EFFECTIVE CARDS

INSERT LATEST CHANGE CARD. DESTROY SUPERSEDED CARDS.

NOTE: THE PORTIONS OF THE TEXT AFFECTED BY THE CHANGES ARE INDICATED BY A VERTICAL LINE IN THE OUTER MARGIN OF THE CARD.

Dates of issue for original and changed cards are:

Original	0 1 .	Jun 82
Change	1	Aug 82
Change.	2	Jan 83
Change	31	Jul 83
Change	4	Dec 83
Change.	5	Jun 84
Change.	6	Jan 85
Change.	7 24	Jun 85
ondingo		5 a.m. 00

Change		
Change		
Change		19 Nov 92
Change		5 May 93
Change.	15	8 Jan 00
	20 1111	

The total number of cards in this publication is 13, consisting of the following:

PAGE NO.	CHANGE NO.	PAGE NO.	CHANGE NO.	PAGE NO.	CHANGE NO.
Title A I-01 I-02 - 1-03 1-001 I-001 Added	15 15 10 0 0 10	1-002 1-003 1-004 1-005 1-005A Deleted 1-005B	15 9 13 14 10 8	1-006 1-007 Deleted 1-008 Deleted	

A Change 15

PUBLICATION NUMBER	INSPECTION REQUIREMENTS	FIGURE	CHANGE NO.	CARD NO.
TO 31R2-2GRR-116WC-1	TABLE OF CONTENTS		10	1-01
TABLE OF CONTENTS INTRODUCTION INSPECTION REQUIREMENTS 336-DAY INSPECTION SERVICE AND LUBRICATION REQUIREMENTS SPECIAL INSPECTIONS TIME REPLACEMENT ITEMS REPAIR RESTRICTIONS	I-01 I-02 I-001 I-001A N/A N/A N/A N/A			

ſ	MAN	WORK	WOR	KUNIT					INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.
	MIN	AREA	SYS	SUB-SYS		INTRODUCTIO	N .		REQUIREMENTS	ļ			1-02
					1. 2.	THESE WORKCARDS CO EQUIPMENT DURING IT LEVEL REPAIR REQUIRE LISTED ARE INTENDED EQUIPMENT. THROUGH EQUIPMENT. THE INTER TIME THAT AN ITEM EQUIPMENT IS OPERAT BEEN ADJUSTED ACCOI INSPECTION, GEOGRAP UTILIZATION, GEOGRAP UTILIZATION, THEREFO INCREASE THE FREQUEI THE INSPECTIONS PR ORGANIZATIONAL ACTI SPECIALIZED REPAIR AC	GEP NTAIN ALI S ENTIRE MENT/RES TO DIREC MAINTEI VAL BETT OR COM ED IN OTI RDINGLY, ARE THE HICAL LOO RECOM ICY OR SC ESSCRIBED VITIES,	IERAL INTRO L REQUIREMENTS SERVICE LIFE. IT STRICTIONS. THES T ATTENTION TO VANCE ENGINEEI WEEN THE ACCOM PONENT CAN SA HER THAN THE PI AND THE REQUIF MAXIMUM AND CATION, ETC.) MA ANDS, LOCAL C COPE OF ANY REQ BY THESE WO WHEN REQUIRED (COI	FOR ACCOMPLISHING ESTABLISHES INSPEC SE REQUIREMENTS AR KNOWN PROBLEM AI RING AND COMPARI APLISHMENT OF A RE FELY OPERATE WITH RIMARY PURPOSE, OR REMENTS IDENTIFIED SHOULD NEVER BE E LY DICTATE MORE FR OMMANDERS, AND TH UIREMENT, AND ARE RKCARDS WILL BE E PROVIDED BY AN COMPLIANCE WITH NTINUED ON BAC	S SCHEDULED MAINT CTION, ACCESSORY R RE PRIMARILY TECHN REAS. THESE REQUIR ISON OF SIMILAR QUIREMENT IS INTE YOUT AN INSPECTION HOUT AN INSPECTION UNAJOR USE CLASS AS TO CLASS OF O XCEEDED. LOCAL CO EQUENT INSPECTION HEIR MAINTENANCE EXPECTED TO EXERC ACCOMPLISHED AT R FORCE INTERMED THE PROVISIONS X)	ENANCE ON G EPLACEMENT, ICAL IN NATU EMENTS ARE INSTALLATION NOED TO BE N OR OBSER N OR OBSER THE NECESSA PERATION. TH NDITIONS, (TY S, REPLACEME OFFICERS HA' ISE THIS PREI SPECIFIED I IATE MAINTE	ROUND ELECTRO DEPOT LEVEL, A RE AND THE COI DEVELOPED FOR NS, OR IN-SER THE LONGEST P VATION. WHEN KATION. WHEN ESE REQUIREME ESE REQUIREME ESE REQUIREME PE OF MISSION, ENT OR MORE TI VE THE PREROG ROGATIVE. PERIODS BY AI NANCE ACTIVIT	NIC (C-E) IND BASE NDITIONS NEW C-E VICE C-E ERIOD OF THE C-E TTS HAVE NTS AND SPECIAL HOROUGH ATIVE TO R FORCE IES AND
ŀ	CARD	NQ.		WORK AR	EA(\$)	TYPE NECH ROR	MECH NO.	CARD TIME	PUBLICATION NUMBER A	ND DATE			CHANGE NO.
	1-0	2						:	31R2-2GRR-116W	/C-1 01 JUN 8	2		

MAN	WORK	ORK WORK UN				INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.
MIN	AREA	SYS	SUB-SYS		INTRODUCTION	REQUIREMENTS				1-02
					OF THESE WORKCARDS IS REQUIRED MALFUNCTIONING OR SERIOUS TROUBLE F	TO ASSURE THAT LATENT ESULTS.	DEFECTS ARE DIS	SCOVERED AND	CORRECTED	BEFORE
				3.	THE INSPECTION REQUIREMENTS ARE ST/ WHEN IT IS TO BE INSPECTED, AND WHA DIRECT THE ATTENTION OF MAINTENANCE USAGE UNDER NORMAL OPERATING CON WASHING, ETC., NOR ARE THEY DESIGNEI ONE-TIME BASIS, OR DISCREPANCIES TH DURING ACCOMPLISHMENT OF THE SPE SHOULD OBSERVE BOTH THE EQUIPMENT IRREGULARITIES NOT WITHIN THE SCOPE (ACCOMPLISHMENT ARE IDENTIFIED BY REQUIREMENTS.	ATED IN SUCH A MANNER A IT CONDITIONS ARE TO BE S PERSONNEL TO COMPONENT DITIONS. THEY ARE NOT IN D TO LEAD TO THE DETECTI AT ARE THE RESULT OF CA CIFIC REQUIREMENTS DIREC BEING INSPECTED AND THE D THE REQUIREMENTS. REQU A COMMERCIAL "@" SY	S TO ESTABLISH WH SOUGHT. IN SCOPE, T S AND AREAS WHERE TENDED TO PROVIDE ON OF ISOLATED DIS RELESSNESS, ABUSE TED BY THESE WO COMPONENTS IN THE JIREMENTS REQUIRIN. 'MBOL PRECEDING	AT EQUIPMENT HE REQUIREMEN DEFECTS MAY COVERAGE FO CREPANCIES TI OR POOR MAI RKCARDS, MAII SURROUNDING 3 THE USE OF E FHE PARAGRAP	IS TO BE IN: NTS ARE DESI EXIST AS A RE R ROUTINE C IAT MAY OCCI NTENANCE PEI AREA FOR DEF LECTRICAL PO H NUMBER F	SPECTED, GNED TO SULT OF LEANING, IR ON A ACTICES. SSONNEL YECTS OR WER FOR FOR THE
				4.	THE REPLACEMENT SCHEDULE DIRECTS F SAFETY OR OPERATION BEYOND REASON/ HIGH COST ITEMS WHOSE FAILURE WOU FREQUENT UNSCHEDULED MAINTENANCE. ONLY WHEN NECESSARY.	REPLACEMENT OF ITEMS AT ABLE LIMITS OR DEFINITELY LD RESULT IN CONDEMNATI ITEMS NOT LISTED WILL BE	A SPECIFIC TIME W Cause A Mission on and Any Short Known As "Condi	HEN A FAILURE FAILURE. ALSO LIFE ITEMS W FION ITEMS" A	. WOULD COM Considered Hich Would Nd Will Be R	PROMISE ARE ANY REQUIRE EPLACED

MAN	WORK	NORK WORK UNIT	KUNIT					INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.		
MIN	AREA	SYS	SUB-SYS	1	INTRODUCTIO	Ņ		REQUIREMENTS				1-03		
	-			5. 6.	(CONTINUED BASE LEVEL REPAIR RE BASE LEVEL REPAIR RE THE TIME IN MAN-MIN REPLACEMENT. THIS ACCOMPLISHMENT. THO AND QUALIFICATIONS (ARE NOT INCLUDED BE	FROM F ESTRICTION STRICTION UTES FOR TIME DOI DSE FACTO DF PERSOI CAUSE THI	PREVIOUS CA NS, LISTS ITEMS IS HAVE BEEN ES ACCOMPLISHME ES NOT INCLUE IRS (PERSONNEL NNEL) WHICH W EY CANNOT BE A	RD) (BY WORK UNIT CO STABLISHED, AND DES NT OF REQUIREMENTS TIME REQUIRED AND EQUIRMENT SHI ILL DIRECTLY AFFECT	DE, NOMENCLATURE, SCRIBES THE REPAIRS S REFLECTS ONLY TH TO GAIN ACCESS DRTAGES, LACK OF P/ THE LENGTH OF TIN D.	FSC, AND PAR WHICH ARE N E TIME REQUIR TO THE EQUI ARTS, ADVERSE ME OF ANY SCI	T NUMBER) FOR OT AUTHORIZED RED FOR INSPEC PMENT TO FAN WORKING CONI HEDULED MAINT	R WHICH TION OR CILITATE DITIONS, ENANCE		
				7.	7. THESE WORKCARDS DO NOT CONTAIN DETAILED INSTRUCTIONS FOR TROUBLESHOOTING TO FIND CAUSES FOR MALFUNCTIONING, NOR DO THEY CONTAIN INSTRUCTIONS FOR REPAIR, ADJUSTMENT, OR OTHER MEANS OF RECTIFYING DEFECTIVE CONDITIONS. PROPER INSTALLATION OF A PIECE OF EQUIPMENT OR ACCESSORY IS NOT NECESSARILY WITHIN THE SCOPE OF THESE WORKCARDS AS ADEQUACY AND COMPLETENESS OF INSTALLATION WILL HAVE BEEN DETERMINED AT THE TIME OF INSTALLATION. APPLICABLE PORTIONS OF THE APPROPRIATE MAINTENANCE MANUAL SHOULD BE CONSULTED TO OBTAIN "HOW TO" MAINTENANCE INSTRUCTIONS AS THEY ARE BEYOND THE SCOPE OF THESE WORKCARDS.									
				8. FOR THE PURPOSE OF CLARIFICATION OF TERMS USED IN THESE WORKCARDS, THE FOLLOWING DEFINITIONS ARE GIVEN: (CONTINUED ON BACK)										
CARD	NO.		WORK A	REA(S)	TYPE MECH RQR	MECH NO.	CARD TIME	PUBLICATION NUMBER A	ND DATE			CHANGE NO.		
-0)3				}		:	31R2-2GRR-116W	C-1 01 JUN 8	2				

MAN	WORK	WOR	IK UNIT		INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.				
Min	AREA	SYS	SUB-SYS	INTRODUCTION	REQUIREMENTS				1-03				
				 SPECIFIED- REFERS TO A DEFINITE AROUNT, OFERATION, OR LIMITATION WHICH HAS BEEN ESTABLISHED AND IS CONTAINED IN APPLICABLE DIRECTIVES. EVIDENCE- IS PROOF OF A SUSPECTED OR EXISTING UNSATISFACTORY CONDITION. SECURE- MEANS THE COMPONENT IS PROPERLY MOUNTED OR ATTACHED TO RELATED EQUIPMENT, INCLUDING APPLICABLE SAFETYING. ACCESSIBLE- IS THE TERM APPLIED TO EQUIPMENT THAT MAY BE INSPECTED WITHOUT FURTHER DISASSEMBLY OR REMOVAL OF COVERS, CLOSURES, PANELS, ETC., OTHER THAN THOSE REQUIRED TO ACCOMPLISH THE MORE SPECIFIC REQUIREMENTS APPLICABLE TO THE PARTICULAR INSPECTIONS. CHANGES AND REVISIONS TO THESE WORKCARDS WILL BE PUBLISHED WHEN NECESSARY TO ADD, DELETE, OR CHANGE FREQUENCY OR SCOPE OF REQUIREMENTS. SUCH CHANGES WILL BE BASED ON FACTUAL DATA ACCUMULATED AS A RESULT OF MAINTENANCE EXPERIENCE WITH THE EQUIPMENT. RECOMMENDATIONS PROPOSING CHANGES TO THESE WORKCARDS SHOULD BE SUBMITTED ON AFTO FORM 22 IN ACCORDANCE WITH TO 00-5-1 TO THE USING COMMAND HEADQUARTERS. 									
				NOTE									
				ALL CORROSION WILL BE TREATED IN ACC	CORDANCE WITH TO 1-1-689.								

MAN	N WORK WOR		K UNIT	}				INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.
MIN	AREA	SYS	SUB-SYS		INTRODUCTION	4		REQUIREMENTS				1-001
		515	<u>SUB-SYS</u>	1. 2.	THESE INSPECTION WO THE INSPECTION TO IN PERSONNEL WHILE PER TO PERMIT ESTABLISHY MAINTENANCE PERSON DETAILED INSTRUCTIOI CHARTS TO BE USED IN	RKCARDS SURE THA FORMING A MENT OF A NEL. NS FOR T I CONJUNC	INS PROVIDE THE RI T NO ITEM IS O AN INSPECTION. A CONVENIENT F NE USE OF THI STION WITH THE	PECTION REQUIE QUIREMENTS FOR IN VERLOOKED. THE CAR WORK ASSIGNMENT ILING SYSTEM FOR TH SE CARDS AND THE SE CARDS ARE CONTA	REMENTS SPECTION AND WILL D SIZE AFFORDS CON INFORMATION IS PRO TE SET OF CARDS AN DESCRIPTION AND INED IN 00-20 SERIES	BE USED AS A IVENIENT HAND WIDED AT THE ID IN MAKING N APPLICATION S TECHNICAL O	GUIDE IN PERI DLING BY MAIN BOTTOM OF EA WORK ASSIGNM OF OTHER FOR RDERS.	T-OUT FORMING TENANCE CH CARD ENTS TO MS AND
CAPD	NO		WORK A	RFA(S)	TYPE MECH ROR	MECH NO	CARD TIME	PUBLICATION NUMBER	ND DATE			CHANGE NO.
1_0	11	}		men(0)	COLUMNOI NUR		-	31 P2_20 PP_116M	/C_1 01 111N 9	9		
1.00	11				<u> </u>		• • • • • • • • • • • • • • • • • • • •	01112-2011-110W	IU-I VIJONO	·		

MAN	WORK	WORK UI	NIT CODE					PECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.
MIN	AREA	SYS	SUB		336-DAY		REG	QUIREMENTS	OFF	OUT		1-001A
				RECEIVE	R RADIO AN/GRR-	23(V) AN	D AN/GRR-2	24(V).				
				1. INS FAC PAI	SPECT FACILITY GROUND SILITY GROUND. ENSURE RAMETERS FOR PROPER C	AND EQUIP THAT ALL IPERATION.	MENT GROUNDIN CONNECTIONS AI REFERENCE T.O.	G CONNECTION E TIGHT AND F 31-10-24, CHAP	S TO ENSURE EQUIPME REE OF CORROSION PR FERS 3, 4 AND 10 AS AI	NT IS PROPERI 10R TO EVALU, PPLICABLE.	Y CONNECTE	D TO THE IENT
CAPI		L				MECH NO						CHANGE NO
1-0	014		WORK	ANCA(S)	I TE MECH KUK		:10	TO 3182-	CORR-116WC-1			10
۲ ۲	1-001A				1							-

MAN	WORK	WORK U	NIT CODE				INS	PECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.		
MIN	AREA	SYS	SUB		336-DAY		REQ	UIREMENTS	ON	OUT		1-002		
				RECEIVER	RECEIVER RADIO AN/GRR-23(V) AND AN/GRR -24(V) MINIMUM PERFORMANCE.									
				t. TES	T EQUIPMENT REQUIRED) (or Equ	IVALENT):							
			1	A. HEWLETT-PACKARD 608C/D SIGNAL GENERATOR.										
			B. HEWLETT-PACKARD 427A VOLTMETER.											
	ļ			С.	FLUKE 8300A DIGITAL VO	DLTMETER.								
				D.	600 OHM HEADPHONE.									
				E. HEWLETT-PACKARD 333A DISTORTION ANALYZER										
				2. TUR 30 M	IN SIGNAL GENERATOR (MINUTES FOR SIGNAL GE	ON AND SE	T THE FREQUEN	CY TO SAME FI	REQUENCY AS RECEI	VER OPERATIN	G FREQUENC	CY. ALLOW		
	Į .			3. TUR B+(1	N RECEIVER ON, VERIFY 8+/4VDC) TEST POINTS	(The rec	EIVER B+ IS NOR	MAL. CHECK U	NREGULATED B+ (27 \	DC TO 40 VDC) AND REGU	LATED		
				(CON	(TINUED ON BACK)									
	1													
		ļ												
CAR	D NO.		WORK	AREA(S)	TYPE MECH ROR	MECH NO	CARD TIME	PUBLICATION NU	MBER			CHANGE NO.		
1-0	002						:45	TO 31R2-20	3RR-116WC-1			15		

MAN	WORK	WORK U	NIT CODE			ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.		
MIN	AREA	SYS	SUB		336-DAY	REQUIREMENTS	ON	OUT		1-002	
						NOTE	•				
					IF THE REGULATED B+ IS REQUIRED.	ADJUSTED, TOTAL REALIG	NMENT OF THE RECE	IVER IS			
				4.	REMOVE COAXIAL JUMPER BETWEEN ANTEI	NNA AND RECEIVER INPUT	CONNECTORS ON RE	ECEIVER FRON	T PANEL.		
					NOTE						
	:				IF THE RECEIVER IS USED FOR THE DURATION OF TH	IN A SYSTEM ENVIRONME TE PERFORMANCE CHECK	ENT, REMOVE FROM T	HE SYSTEM			
				5.	DELETED						
				6.	CONNECT SIGNAL GENERATOR TO RECEIVE	R INPUT CONNECTOR.					
				7.	PLACE RECEIVER SQUELCH ON-OFF SWITCH	I TO OFF.					
				8.	SET SIGNAL GENERATOR TO -97.5 (3.0 MICR	OVOLTS) +/- 0.5 DBM, 30%	+/- 1% MODULATION	AT 1 KHZ +/- 10	0%.		
						NOTE					
					IF YOU ARE USING THE 60 GENERATOR FREQUENCY MUM AGC VOLTAGE AS OI STABILIZED AND CONTINU AND FINE CONTROL ADJU ENSURE SIGNAL GENERAT	10 C/D TYPE GENERATOR, USING BOTH COARSE AND SSERVED ON MULTIMETER ES TO DRIFT IN FREQUENT STMENT FOR MAXIMUM AG OR IS ON FREQUENCY.	THEN CAREFULLY AD D FINE CONTROLS TO . IF SIGNAL GENERA' CY, THEN REPEAT TH C VOLTAGE AT INTEF	JUST SIGNAL OBTAIN MAXI- TOR HAS NOT E COARSE RVALS TO			
				9.	9. CONNECT VOLTMETER, SET ON 300 MV AC SCALE, BETWEEN IF AND GROUND TEST POINTS ON RECEIVER.						

MAN	WORK	WORK UNIT						INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.
MIN	AREA	SYS	SUB-SYS		336-DAY			REQUIREMENTS	ON	OUT		1-003
		313	3 UD- 515	10. 11. 12. 13. 14. 15.	CONTINUED OBSERVE READING OF SET THE VOLTMETER C SIGNAL GENERATOR LET OBSERVE THAT THE AG IF VOLTAGE DOES NOT SET SIGNAL GENERATOI OBSERVE AGC VOLTAGE SET SIGNAL GENERATOI	FROM F 120-180 M IN THE 10 VEL TO -12 IC VOLTAG DROP ADJ R TO -102 IC, AS READ R TO -97.5	PREVIOUS CAI V ON THE METER VDC SCALE AND 20 DBM (0.224 MI 4E, AS READ ON V UST THROUGH TO (1.78 MICROVOLT 0 ON VOLTMETER, (3.0 MICROVOLT): (COI	RD) CONNECT VOLTMETE CROVOLTS) +/- 1 DB /OLTMETER, DROPS T DP COVER UNTIL AGC (S) +/- 0.5 DBM. TO BE 5.0 VDC OR G (S) +/- 0.5 DBM, 30 + NTINUED ON BAC	ER BETWEEN AGC AN M. O ITS QUIESCENT VA VOLTAGE JUST DROF REATER. /- 1% MODULATION K)	D GROUND TE LUE OF FROM IS TO +2.6 VD AT 1 KHZ +/-	ST POINTS. REDUCE +2.6 VDC TO +3.2 C TO +3.2 VDC.	THE VDC.
0480	NO		WORK AL		TYPE MEON DOD	MEOU NO						
1.00	nu. 12		WORK A	nca(o)	TITE MECH KUK	INCCHINO.	CARD TINE	21D2 20DD 11CM		n		Criefinge ng.
1-00	J O							51KZ-ZUKK-110W	0-1 10 JUL 8	7		9

MAN	WORK	WOR	K UNIT			INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.			
MIN	AREA	SYS	SUB-SYS		336-DAY	REQUIREMENTS	ON	OUT		1-003			
				16.	CONNECT VOLTMETER SET TO MEASURE 30	EASURE 300 MV AC FULL SCALE, BETWEEN IF AND GROUND TEST POINTS ON RECEIVER.							
				17.	17. THE READING OBTAINED IN STEP 10 SHOULD REMAIN BETWEEN 120-180 MV.								
				18.	18. SET VOLTMETER TO 3 VAC SCALE, BETWEEN MAIN AF AND GROUND TEST POINTS.								
				19.	ADJUST AUDIO MAIN ADJ CONTROL ON RE	CEIVER FRONT PANEL MAXIM	UM CLOCKWISE.						

MAN	MAN WORK		NIT CODE					RECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.	
MIN	AREA	SYS	SUB		336-DAY		RE	UIREMENTS	ON	OUT		1-004	
				(CONTII	NUED FROM PREVIOUS CAR	D)							
				20.	REMOVE RECEIVER TOP CON	/er. Adju	ST COMPRESSIO	N LEVEL (R41)	ON AGC/SQUELCH MO	DULE MAX CL	OCKWISE.		
				21.	DBSERVE VOLTMETER READING OF 2.0 VAC +/- 25 MILLIVOLTS. IF STANDARD IS NOT MET, ADJUST AF PREAMP ADJ (R32) ON AGC/ SQUELCH MODULE.								
1				22.	adjust audio main adj le	T AUDIO MAIN ADJ LEVEL CONTROL ON FRONT PANEL OF RECEIVER TO 1.6 VAC +/- 25 MILLIVOLTS.							
	23. READJUST AF PREAMP ADJ (R32) TO 2.0 VAC +/- 25 MILLIVOLTS.												
		24. ADJUST COMPRESSION LEVEL CONTROL (R41) ON AGC MODULE TO 1.95 VAC +/- 10 MILLIVOLTS.											
				25.	NCREASE SIGNAL GENERATI WITHIN 1.75 TO 2.45 VOLTS.	OR PERCEN	NT MODULATION	FROM 30% TO	90%. VOLTAGE AT M	AIN AF TEST P	OINT SHALL	REMAIN	
				26.	RESET SIGNAL GENERATOR T RECEIVER AUDIO MAIN ADJ	'0 -97.5 DE CONTROL	BM (3.0 MICROVO FOR 1.0 VAC AT	ilts) +/- 0.5 DB/ The main af t	M; 30% +/- 1% MODU EST POINT.	LATION AT 1 KI	HZ +/- 10 %.	ADJUST	
				27.	SET VOLTMETER 427A TO 1	VAC SCAL	E.						
				28.	SWITCH SIGNAL GENERATOR DROPS TO 0.316 VAC OR LES	TO CW M SS (-10 DB	iode -97.5 dbm M, HP 427A).	(3.0 MICROVOLT	s) +/- 0.5 DBM. Obse	RVE THAT VOL	TMETER REA	DING	
		29. SET VOLTMETER TO 3 VAC SCALE.											
		30. SET SIGNAL GENERATOR TO -97.5 DBM (3.0 MICROVOLTS) +/- 0.5 DBM, 30 +/-1% MODULATION AT 1 KHZ +/- 10%.											
CARI	GARD NO. WORK ARE			AREA(S)	TYPE MECH RQR	MECH NO	CARD TIME	PUBLICATION NUM	ABER	······		CHANGE NO.	
1-0	1-004							T.O. 31R2-2	GRR-116WC-1	19 NOV 9	92	13	

MAN	AN WORK	WORK U	NIT CODE			INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.			
MIN	AREA	SYS	SUB		336-DAY	REQUIREMENTS	ON	OUT		1-004			
				31.	VERIFY MAIN AF IS STILL 1.0 VAC +/- 0.5 VAC.								
				32.	CONNECT HEADPHONES TO AUDIO OUTPUT JAC TEST POINT (J15).	I HEADPHONES TO AUDIO OUTPUT JACK ON RECEIVER FRONT PANEL. CONNECT DISTORTION ANALYZER TO MAIN AF INT (J15).							
				33.	ADJUST AUDIO PHONE ADJ CONTROL ON FROM	T PANEL OF RECEIVER	FOR COMFORTABLE	LISTENING LEV	ÆL.				
				34.	WHILE MAINTAINING MODULATION LEVEL AT 309 MICROVOLTS) +/- 0.5 DBM TO +13 DBM (999 MV)	%, SLOWLY ADJUST PC +/- 10 MV.	WER LEVEL OF SIGN	AL GENERATOR	FROM -97.5	DBM (3.0			
				35.	AGC TEST: WHILE CHANGING POWER OBSERVE DOES NOT DIFFER MORE THAN 3 DB (IN TERMS	THAT HIGHEST AND L OF VOLTAGE V MIN/V	OWEST EXCURSION C MAX SHOULD BE 0.7	of voltage on or greater).	DB SCALE	of meter			
				36.	DISTORTION TEST: WHILE MAINTAINING A +13 dl OBSERVE THAT THE TONE IN THE HEADPHONES TION ANALYZER.	BM LEVEL OUT OF THE DOES NOT EXHIBIT DI	SIGNAL GENERATOR, STORTION; 10% OR L	MODULATED 1 ESS AS MEASI	000 HZ AT 3 JRED ON TH	0%, E DISTOR-			
				37.	SET SIGNAL GENERATOR TO -97.5 DBM (3.0 MICR	OVOLTS) +/- 0.5 DBM M	MODULATED 30% +/- 1	0% AT 1 KHZ +	/- 10%.				
				38.	SET RECEIVER AUDIO SQUELCH ADJ CONTROL (SQUELCH ON-OFF SWITCH TO ON.	ON RECEIVER FRONT F	PANEL MAXIMUM COL	INTER CLOCKW	ISE, PLACE	RECEIVER			
				39.	OBSERVE AUDIO SHOULD REMAIN FULLY AUDIB	LE AND UNCHANGED I	N HEADPHONES (REC	EIVER SHOULD	NOT BE SQ	UELCHED).			
				40.	SET RECEIVER AUDIO SQUELCH ADJ CONTROL ((QUIETED).	ON RECEIVER FRONT P	ANEL MAXIMUM CW.	RECEIVER SHO	DULD BE SQ	UELCHED			
				41.	RAISE SIGNAL GENERATOR POWER LEVEL TO -73 SQUELCHED.	BDBM (50.1 MICROVOL	.TS) +/- 0.5 DBM. OBS	SERVE RECEIVE	r remains				

MAN	WORK	WORK U	NIT CODE					PECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.		
MiN	AREA	SYS	SUB		336-DAY		REC	UIREMENTS	ON	ουτ		1-005		
				(CONTI	(CONTINUED FROM PREVIOUS CARD)									
			42. SET SIGNAL GENERATOR AT DESIRED SQUELCH LEVEL (MUST BE LESS THAN -73 DBM).											
43. PLACE VOLTMETER RANGE SELECTOR SWITCH TO 30 VDC SCALE, PLACE VOLTMETER DC PROBE IN RECEIVER POINT.								EIVER SQUEL	.CH TEST					
44. SLOWLY TURN AUDIO SQUELCH ADJUST CONTROL CCW; VOLTMETER SHOULD SUDDEMLY INC (SQUELCH VOLTAGE) FOR THE EARLY CONFIGURATION AGC MODULE, OR TO APPROXIMATEL' ATION AGC MODULE.								INCREASE TO A	APPROXIMAT	ely 15 VDC Configur-				
				45.	DECREASE SIGNAL GENERA LEVEL UNTIL A SQUELCH VO DESIRED LEVEL. IF NOT RET	TOR LEVE DLTAGE LE TURN TO S	L UNTIL THE REC VEL OF APPROX ITEPS 41 AND 43.	EIVER IS SQUE	lched, slowly inch is obtained, signal	EASE SIGNAL	gënerator Output shk	RF OUTPUT		
				4 6.	SET SIGNAL GENERATOR TO OFF AND DISCONNECT FROM RECEIVER. REPLACE COAXIAL JUMPER BETWEEN ANTENNA AND RECEIVER INPUT CONNECTORS ON FRONT PANEL OF RECEIVER.									
				47 . 1	Return Equipment to No	RMAL OPE	RATING CONFIG	JRATION.						
CAR	D NO.		WORK	AREA(S)	TYPE NECH ROR	MECH NO	CARD TIME	PUBLICATION NUM	ADEN			CHANGE NO.		
1-0	05							T.O. 31R2-2	GRR-116WC-1	5 MAY 93	3	14		

MAN	AN WORK		K UNIT					·····	INSPECTION	ELECTRICAL POWER	SERVICE	FIGURE	CARD NO.
MIN	AREA	SYS	SUB-SYS			336-DAY			REQUIREMENTS	ON OFF	OUT		1-005B
030				@ Ø	1. 2. 3. 4. 5. 6. 7. 8.	RECEIVER RADIO AN/ TEST EQUIPMENT REC A. HEWLETT-PACK B. SUB-MINIATURI TURN RECEIVER POWE REMOVE THE TOP COV CONNECT THE FREQUE TURN RECEIVER POWE FREQUENCY SHOULD I TURN RECEIVER POWE DISCONNECT THE FRE	SRR-23(V) A UIRED: ARD 5245L J E RF CONNE R OFF. YER AND DI NCY COUNT R ON, WAIT BE WITHIN R OFF. QUENCY CO	ND AN/GRR-24(\ AND 5253B FREQ CTOR ADAPTER SCONNECT COAX FER TO P2 UTILI AT LEAST 10 M +/- 0.0005% FOI UNTER AND REF (CC	/) SYNTHESIZER, ELECT DUENCY COUNTER OR E PART NO 50-075-6801. (IAL CABLE FROM J1 O ZING SUBMINIATURE R INUTES BEFORE MEAS R THE ELECTRICAL SYN PLACE SYNTHESIZER OL INTINUED ON BAC	IRICAL FREQUENCY O QUIVALENT. F THE MIXER MULTIF F CONNECTOR ADAP URING THE FREQUEN UTHESIZER. ITHUT CABLE P2 TO . K)	-1701/GR) FRE PLIER. TER P/N 50-07 CY. J1 OF THE MIX	QUENCY CHECK. 5-6801. :ER/MULTIPLIER.	
CARD	NO.	WORK AREA(S)				TYPE MECH BOR	MECH NO.	CARD TIME	PUBLICATION NUMBER A	ND DATE			CHANGE NO.
1-00	5B	TORN HILEA(3)						:30	31R2-2GRR-116W	C-1 7 NOV 8	5		8

MAN	WORK	WOR	K UNIT			INSPECTION ELECTRICAL POWER SERVICE FIGURE REQUIREMENTS ON OFF OUT	FIGURE	CARD NO.		
MIN	AREA	SYS	SUB-SYS		336-DAY	REQUIREMENTS	ON OFF	OUT		1-005B
				9.	REPLACE THE TOP COVER.					
				10.	RETURN RECEIVER TO NORMAL OPERAT	ING CONFIGURATION.				
					NC	ITE				
					REF TO 31R2-2GRR- SYNTHESIZER DIAL 5-32 FOR ALIGNMEN	112 TABLE 3-2A FOR DETERMINATION AND PA IT PROCEDURES. IF NEE	RA DED.			

MAN	WORK	WC SYS	RK UNIT		336-DA3	ζ		INSPECTION REQUIREMENTS	ELECTRICAL POWER	SERVICE OUT	FIGUR	E	CARD NO. 1-006	
010					RECEIVER RADIC	AN/GR	R-23(V) AND	AN/GRR-24(V).	<u> </u>	<u>ل</u> ــــــــــــــــــــــــــــــــــــ		<u>L</u>		
{							WARNING	ì						
					INSURE ALL POWER TO THE UNIT UNDER INSPECTION IS OFF BEFORE PROCEEDING WITH STEP 1.									
	NOTE													
					WITH BA IS PRES	TTERY ENT W	POWER B	ACKUP a RE(E RECEIVER.	GULATED B+	VOLTAGE				
	}			1.	INSPECT FOR TH	e follo	OWING CON	DITIONS (VISUL)	۹).					
} .				A. DUST.										
					B. DIRT.	(00)								
			NOR AL	FAIR	TYPE HECH DOD	(COI							CHANGE NO	
1-	006		HORK AR				:10	TO 31R2-20	GRR-116WC-	1 25	SEP	91	11	

MAN	WORK	WO	RK UNIT		336-DAV	INSPECTION		SERVICE	FIGURE	CARD NO.			
MIN	AREA	SYS	SUB-SYS		550-DA1	REQUIREMENTS	UFF	001		1 000			
Min	AREA	SYS	<u>SUB-SYS</u>	C.	NOTE CORRECTIVE ACTION WILL BE WHEN CORROSION IS FOUND T DETERIORATION OF THE EQUIP CORROSION IS THE DETERIOR REACTION WITH ITS ENVIRONM CORROSION. PROCEDURES FO ARE IDENTIFIED IN THE FOLLOW TECHNICAL ORDERS:	CORRECTIVE ACTION WILL BE INITIATED IMMEDIATELY WHEN CORROSION IS FOUND TO PREVENT FURTHER DETERIORATION OF THE EQUIPMENT. CORROSION IS THE DETERIORATION OF A MATERIAL BY CHEMICAL OR ELECTRO-CHEMICAL REACTION WITH ITS ENVIRONMENT. INSPECT THE COMPLETE SYSTEM FOR EVIDENCE OF CORROSION. PROCEDURES FOR IDENTIFICATION, ISOLATION AND CONTROL OF CORROSION ARE IDENTIFIED IN THE FOLLOWING TECHNICAL ORDERS: TO 1-1-1 CLEANING OF AEROSPACE EQUIPMENT							
				D.	TO 1-1-2 CORROSION PREVENT TO 1-1-8 APPLICATION OF ORGA TO 1-1-88 PREVENTION AND C ELECTRONIC, METEOROLOGIC, TIGHTNESS OF CONNECTORS A	TION AND CONT ANIC COATINGS ONTROL OF CO AL, AND AVIONI AND LEADS.	ROL OF AEROSF 6, AEROSPACE E RROSION AND F C EQUIPMENT.	PACE EQUIP QUIPMENT FUNGUS IN		ATIONS,			
						1	0 31KZ-26KI	Y-IIOMC.	- <u> </u>	ange 11			