НАР	2	SP 107		SERVICING			ES	_		AŦ	Section Section					ACT	
RADE		AIR COMMS		LIGHT	NING			_								V	
HEET	1	OF 13 SHEET/S	5		3		5	6	AL N		J DATE	OPT			TIME	+	
ITLE	U/V	THF and VHF-Hor	ming In	stallati	ion	(PT	R17	5).	AC N	12/22/20	DA					E	
of ot w	and S	Servicing Notes are	to be as	mnlied wit	th th	nough	nout		(1)	(2)	(3)		(4)	(5)		EST	
		ailed on this Card		mpired wit	, II GII	rougi	iout				BRIEF DE	TAILS	ON		Г	1	
pecial	Tool	s and Equipment							HOURS	SMAN	OF DEFECT SUSPECTE DEFECT	T OR	720B N	N.C.O. INTTIALS			
'S 15	077							1	MAN H	RADE	DEFECT	D	F. 72	C.C.			
		Stop, GS 1/5 s							×	E .	BBrBot		124	ZH			
auge	0-3	illator Type 9 30 lbs 4G/6526									1.1						
Adapt	ors.	Type N/C 10A	D/51935	25, 10AI	0/91	442	99•										
		AIR	COMMS														
١.	Pre	eparation															
1.1		permal d.c.	Connec	t to air	ccra	ft.											
1.2		175.	}_			1.											
1.3	RF 110	unit Type 037	)Pressu )	rize to	51b	s/i	n2.									CARDS	
1.4		ms aerial mector.		nect fro Ae socke		F w	nit									-	
1.5		15077. Connector Type 5995-99-		t betwee and AF												SSOCIATED PROCEDURE	
	(b)	9434142. Connector Type 5995-99- 9434145.	Radio Comms	t betwee socket a Ae socke riate ad	and et u	RF sin	g								The state of the s	ASSOC	
1.6		adsets off).		t to Pil			nd								The state of the s		
1.7		Meter sensitivity	Set to	'MAX'.													
	(b)	switch. )Harrier/ Normal switch		NORMA	L'.									,	THE REAL PROPERTY AND PERSONS ASSESSMENT OF THE PERSONS ASSESSMENT OF	D TRADES	
1.8		rmal/Standby itch.	Set to	NORMA	ն՝.											ASSOCIATED	
1.9	D.(	C. Supply.	Switch	on.											-	ASS	
1.10	CU Fur	C1607/4 nction switch.	Set to 2 minu	'T/R' a	and up	all per	ow iod	a.	Age that Children								
1.11	TS (a)	15077 )Meter switch.		11 and tion is											And desired and desired	SP NO	
	79/	50	٦ .						_		ntinued				-	0.1	

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CHAP	-	AIR COMMS	SERVICING PROCEDURES			101B-100 Section	500	) P	
SP NO	107	(Contd)	LIGHTNING		*****				-
SHEET	3	AL13		AC	NO	DAT	E	• • • •	
Safet	y and	Servicing 1	Notes are to be complied	CONTRACTOR STATE		CORD - I	-	-	STATE OF THE PERSON NAMED IN
with	throug		ork detailed on this card.	(1)	(2)	(3	)	(4)	(
		A	IR COMMS						
3.	Main F	Receiver Cr	ystal Check						
3.1	TS 150 switch		Set to '5'.						
3.2	TS Sig		Set to 'Z'.						
3.3		607/4 main tors.	Set to 226.0 316.40 and 327.70 in turn and ensure tone is audible.				h i		
3.4	TS Sig	g Gen Freq.	Set to 'Y'.						
3.5	CU C16 manual select	L	Set to 249.55, 271.25, 282.10, 292.96, 336.35, 347.20, 358.05, 368.90 and 390.60 in turn and ensure tone is audible.						
3.6		g Gen switch.	Set to 'X'.						
3.7	CU C16 manual select	L	Set to 230.85, 243.00, 255.15, 267.30, 279.45, 303.75, 364.50, 376.65 and 388.80 in turn and ensure tone is audible.				дестинацијатула егаден замизарскичетки е и фара		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT
4.	Main F	Receiver Se	ensitivity			1	-		and the second second
4.1	CU C16 manual select	l	Set to 225.0.						maker secure demonstration or distribution or
4.2	lir (b)Med swi (c)Noi swi (d)DC cor (e)Noi	-axial nk. ter itch. ise Gen itch.	Connect between Rx and Noise Gen sockets. Set to '4'.  Set to 'MOD ON'.  Adjust for meter indication of 'C'. Set to 'MOD OFF' and check meter indication decreases to less than 'A'.					7	THE THE PROPERTY OF THE PROPER

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CHAP	2	AIR COMMS	SERVI	CING F	PROC	EDURES					_1000-		
P NO	107	Contd	I	IGHTNI	NG					Sect	cion 2		
HEET	6	AL 13					Γ	AC	NO		DATE		
afet	y and S	Servicing 1	Notes ar	e to k	oe c	omplie	d	SER	V RE	CORD	- F.	2983I	3
ith	through	nout the wo	ork deta	ailed o	on t	his ca	rd.	(1)	(2)		(3)	(4)	) (5
		A	IR COMM	S			10 10						
7•	Modula	tion and Q	uality	(Contd	)								
7.3	(g)Ton swi (h)Met swi (1)DC	er tch.	Repeat to (e) Tone M switch Set to Set fu	inclused swithrouse 191.	sive tch ghou	e readi for Ta ut.	ing						
7.4	Pilot!		Switch	on.									
	microp		DWI COIL	011.					v į				
7.5	Pilot' to- Tr switch			and en sideto	icrosurone ne t i	ophone e							
7.6	Pilot' microp		Switch	off.									
7.7	(b)Man	n switch.	Set to in tur	235.0 n and ems 7.	rep	d 395. eat .) to (							
7.8	GEN/MI	77 Mic CC SIM switch.	Set to	1X1.									
8.	Transı	nit Overric	de Facil	ity				, <del>F</del> .,					
8.1	CU C16 Functi switch	on	Set to	ADF	•								
8.2	TS Met	ter switch	. Set to	151.									
8.3		s Press- ransmit	(i) (ii)	TS met	ter atio	and che			5				
		52A								tinu	_ 3		

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HVI	2	AIR COMMS	SERVICING PROCEDURES	AP101B-1000-5A3F Section 2 (1st Edition)					
11 NO	107	COMMINIED	LIGHTNING						
HIERT	8	AL 13		THE PERSON NAMED IN	ASSESSMENT OF THE PERSON NAMED IN	DATE	The Control of the Co	THE REAL PROPERTY.	
		vicing Notes are to iled on this card.	be complied with throughout			RECORD - RAI			
the wo	ork detai		COMMS	(1)	(2)	(3)	(4)	(5)	
			COMMS						
9•		rial Reflection cient (Contd)							
9.8	Lower	aerial.	Screen momentarily and ensure TS meter indication fluctuates.						
9.9	TS Tal	k switch.	Release.						
9.10	Aerial switch	change-over	Set to 'UPPER' and repeat Sub-items 9.7 (b) to (e) inclusive and Sub-item 9.9.						
9.11	Comms		Disconnect from RF unit Comms Ae socket.						
9.12	Port a	erial connector.	<ul> <li>(i) Disconnect from RF unit Port Ae socket.</li> <li>(ii) Connect to RF unit Comms Ae socket and repeat Sub-items 9.7 (b) to (e) inclusive and Sub-item 9.9.</li> <li>(iii) Disconnect from Comms Ae socket and reconnect to Port Ae socket.</li> </ul>						
9.13	Starbo	etor.	(i) Disconnect from RF unit Starboard Ae socket and connect to Comms Ae socket.  (ii) Repeat Sub-items 9.7 (b) to (e) inclusive and Sub- item 9.9.  (iii) Disconnect from Comms Ae socket and reconnect to Starboard Ae socket.						
9.14	Comms	aerial ctor.	Reconnect to Comms Ae socket.		730 a. o				
10. 10.1	Gener CU C1 switc	607/4 Function	Set to 'OFF'.						
10.2	(b)	077. Supply switch. Headset. TS.	Set to 'OFF'. Disconnect. Disconnect from installation.						
10.3	3 T/R I	n connector.	Reconnect to T/R In socket.						
SMS	/79/2/	2 53A		C	ontinu	ed			

SP NO	P NO 107 CONTINUED -		SERVICING PROCEDURES LIGHTNING	7. 17		101B-1000-5A3 Section (1st Edition)	2	
SHEET	9	AL 13		AC I	E Line	DATE		T
	AND DESCRIPTION OF THE PARTY OF	Contraction of the Contraction o	be complied with throughout	_		RECORD - RAI	CONTRACTOR OF THE PARTY OF THE	-
		iled on this card.	be compiled with our about	(1)	(2)	(3)	(4)	(5)
11.		th Checks	COMMS					
11.1	(a)	507/4. Function switch. Channel switch. Manual selector.	Set to 'M'.					
11.2	Inst	master switch.	Set to 'ON'.					
11.3	Test (a) (b) (c) (d)	oscillator Type Selector switch. Test oscillator Aerial. Button.						
11.4	Nav	display unit.	Ensure azimuth lines are deflected to port and not is heard in headset.	е				
11.5	Test	oscillator.	<ul> <li>(i) Release button.</li> <li>(ii) Position oscillator approx 10 yards to Starboard of aircraft bow.</li> <li>(iii) Depress button.</li> </ul>					
11.6	Nav	display unit.	Ensure azimuth lines are deflected to starboard and note is heard in headset.					
11.7		ot's Press-to- k switch.	(i) Depress and check azimuth needle zero's and flag re—appears. (ii) Release switch.					
11.8		ot's Press—to— e switch.	Depress and check azimuth lines zero.					
11.9		er sensitivity tch.	<ul> <li>(i) Set to 'MIN'.</li> <li>(ii) Ensure angle of indicator azimuth line deflection decrease.</li> <li>(iii) Set to 'MAX'</li> </ul>					
11.		display	Set to 'COMP'.					
11.	11 Ins	st master switch.	Set to 'OFF'.					
12.	VHE	Facility_			X .			
12.		VHF aerial mector.	Disconnect from TR VHF aerial socket P1403.					
12.		nnector Type 95-99-9434142.	Connect between TR Test socket and Test socket of AF unit.	on				

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CHAP	2	AIR COMMS	SERVICING PROCEDURES		AP		-1000- etion		
EP NO	107	Contd	LIGHTNING			Sec	tion	2	
SHEET	11	AL 13		AC					
			Notes are to be complied	AND PERSONAL PROPERTY.	gentrement and	CORD	THE PERSON NAMED IN COLUMN TWO	2933B	
with '	through	nout the wo	ork detailed on this card.	(1)	(2)		(3)	(4)	( :
		AIR	COMMS						
14.	VHF Tr	cansmitter	Power Output (Contd)						
	Pilot! to-Tra		(i) Depress and check meter indication exceeds '40' for each pre-set channel.  (ii) Release.						
	TS Hig		Release.						
15.	VHF Mo	dulation D	epth and Quality		66				
	Pilot' microp		Switch off.						
			5.7 are applicable only ost Mod A3327.						
15.2			Set to 5mV 300 ohms						
	(b)Met	tch. er .tch.	Set to '6'.			0 4			
		k switch.	Depress to 'ON' and adjust DC Cal controls for meter indication 'B'.						
	(d)Met swi	tch.	Set to '7' and check meter indication exceeds '25'.						
	(e)Tor	e Mod.	Repeat Sub-item 15.2(a) to (c) inclusive using tone mod switch instead of Talk switch. Set to '9'.						
	swi	.tch.	Set fully clockwise.						
	Pilot' microp		Switch on.						
15.4	Pilot'to-Tra		Depress, speak into microphone and ensure sidetone in TS headset is clear.						M.
		, , , , , , , , , , , , , , , , , , ,		ď					
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CHAP	2	AIR COMMS	SERVICING PROCEDURES			01B-1000- etion 2 Edition)	
SP NO	107	Contd	LIGHTNING				
HEET	12	AL 13				DATE	
			Notes are to be complied ork detailed on this card.	- Community and	(2)	ORD - F.	
V I 011 3			IR COMMS	(1)	(2)	(3)	(4) (5
15.	VHF M	odulation	Depth and Quality (Contd)				
15.5	Pilot micro	's phone.	Switch off.				
15.6	(a)Ch (b)Ma	an switch	Set to 'M'. Set to 118.95 and 135.95 in turn and repeat Sub-items 15.2(a) to (c) inclusive.				
15.7		077. en/Mic t switch.	Set to 'Z'.				
16.	U/VHF	Aerial R	eflection Coefficient				
16.1	CU Ch switc		Set to any little used channel.				
16.2		l Change- switch.	Set to 'UPPER'.				
16.3	li	-axial nk.	Connect between TS Tx socket and Aerial socket (small).				
	(b)Me sw	eter vitch.	(i) Set to '2' and ensure channel is not in use.				
	(c)Ta	alk vitch.	(ii) Set to '6'. Depress to 'ON' and adjust DC Cal controls for meter indication of 'B'.				
	(d)Me sw	eter vitch.	Set to '8' and check meter indication is less than '12'.				
17.	Gener	al					
17.1			>				
17.2	switc CU Fu switc	metion	Set to 'OFF'.				
17.3	TS 15	5077.	Disconnect from installation.				
17.4		erial ector.	Reconnect to TR VHF Aerial socket.				

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