CHAP	2	SP '			SERVICING PROCEDURES					-	AP 101B-1000-5A3 F Section 1								ACT		
PRADE	AIR RADAR			-	LIGHTNING			1			(1st Edition)						A				
SHEET	1	OF		8 SHEET/S 3 5					5	6	AL NO 11 DATE SERVICING RECORD								+	78	
TITLE	Tacan Installation									AC NO DATE								EST			
Safety	and S	ervi	cing 1	Notes are	to be co	ompl:	ied wi	ith th	rough	nout		(1)	(2)		(3)		(4)	(5)		對	
the wor	rk deta	aile	d on t	this Card.								ß	N	BRIE	F DET	100	NO				
Special				-		,						MAN HOURS	TRADESMAN	OF D	EFECT	111	720B	N.C.O. INITIALS	Lyd		
				(Pt 1016 Type 69		os/	6625	-99-	115-	861	1	MAN	TRAD	DEFE			F. 7	N.C.			
				19pe 09		ir/	Air '	Taca	n Te	st			. 7 6						-		
4.4		10				et)		N.		agr.											1
	AIR RADAR								10					7-14	To the						
1.	Prep	ara	tion	<u>1</u>				,					4 45	1			V.in	100	-		
1.1	TR a				Disco	onne	ect	from	TR.												
1.2			et Ra	adio	Conne																
	atte		tor		socke		and '	TR a	eria	,1	q i								-		
1.3			et (F	o7)	BUUKE	J U •														SS	
1.5				Lead.	Conne	ect	to	115	Va.	C.										CARDS	
		14			suppl	ly.					D f			,							
	(a)		R/RAI		Ensur	re i	SWIT	cned	to	. T/T	u.									PROCEDURE	
	(c)	Att	enua itrol	ator	Ensu	re	full	y cl	ockv	rise	•									ED PR	
		Met	er s	switch	Set															ASSOCIATED	
	(e)	On/	Off.	switch	Set - a 15															1550	
					perio		114 00	MCTT	u								1				
1.4	Exte			ower	(i) (ii)		Conn Swit	ect ch '	ON'.					1							
1.5			l uni		~																1
	(a)			switch tted)	Set ·	to	ON	•													
	(b)	Fur	nctio	on	Set														-		-
		SWI	itch	•	and a					te			1							10	
				lamps	Ensu	re	lit.													TRADES	
	(d)		anne: lecto		Set	to	39	•													-
1.6	प्रमा		andb;		Set	to	Nor	mal'				J.,								ASSOCIATED	-
1.0			swi		~ ~ ~		37.0 <b>7</b> .5													SSOC	L
1.7	UHF		ntro	1	(i)			to '												A	
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1.8	Δ11Θ	i 0 /1	Visua	al	Canc			p		,	z.1₹/	4	1						-		+
1.0	war																			NO	
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CMC	/78/	210	17										Co	ntinu	ed						

SMS 17

CHAP	2 AIR RADAR			SERVICING PROCEDURES	AP101B-1000-5A3 F Section 1 (1st Edition)							
SP NO	105	105 CONTINUED		LICHTNING								
SHEET					AC NO DATE							
		ervicing Notes are ailed on this card.		plied with throughout	(1)	(2)	(3) (4)			(5)		
The said		ATR	RADAR		(1)	(2)		(3)	(4)	(3)		
1.	Pnon	paration (Cont		and the second of the second of	g 600		1		i jida			
Zoka.	rrep	paration (cont	4)				1 1		in de			
						lage.				1.34		
1.9	17.0	rument er switch.	Set to	, ON,								
1.10		un offset outer	Set bo	th range and Bearing								
1.11	Nav unit	display				,	146					
		Mode selector.	Set to	* TAC *	1.2							
		Roller blind	appear						de l	1-6		
		Range control Roller blind		flap clears.								
	(a)	woller, plind	altern slowly	ately increases to 200 NM. Then								
	(e)	Range counter	Ensure approx	rapidly back to zero indication is imately that of blind.								
	(f)	Roller blind carriage.	Ensure rotate	Bearing display s slowly ockwise.								
2.	Powe	er Output					11 V					
2.1	-	set	(i)	Adjust for meter					-			
		emuator	(-)	reading of 30 micro Amps.								
			(ii)	Ensure green is indicated under cursor.								
2.2	Cont	crol Unit.	(i)	Select an upper band channel.								
			(ii)	Ensure Green is indicated under								
				cursor when meter indicates 30 micro Amps.								
			(iii)	Return channel selector to 3g.					y.			
			(iv)	Set to TR.		-						
					1 1 11							
SMS/	78/2	19/7A			Con	tinue	d					

SMS/78/218/8

CHAP AIR RADAR SERVICING PROCEDURES AP101B-1000-5A3 F (1st Edition) SP NO 105 Continued LIGHTNING SHEET AC NO..... DATE ..... AL 11 SERV RECORD - F. Safety and Servicing Notes are to be complied 2983B with throughout the work detailed on this card. (1)(2)(3)(4)(5)AIR RADAR 4. Receiver Sensitivity, Bearing and Distance (Contd) 4.7 Nav display (i) Check bearing unit. indication unlocks after memory time. (Approx 2 seconds). (ii) Check range indication unlocks after memory time. (Approx 5 seconds). 4.8 Control Unit. Reselect channel '39'. 4.9 Test Set (PT) Set to 'GREEN 4'. attenuator control. 4.10 Repeat Sub-items 4.1 to 4.8. 5. Aerial 5.1 Test Set (PT) Disconnect from TS RF attenuator socket and TR aerial control socket. 5.2 TR aerial Reconnect to aerial connector. socket. 5.3 Test Set (PT) (i) Assembly aerial clamp to handle. (a) Antenna 10B/20580. (ii) Connect to RF socket. (b) TS. Position TS at least 10 feet from aerial. (c) DIR/RAD Set to 'RAD' and switch. ensure meter indication is 30 micro Amps. Coupling 5.4 (i) Check bearing unit. needles locked at between 321 and 325 degrees. (ii) Check range dials indicate between 102 and 108 nm. SMS/78/219/9 Continued

SMS/78/219/9A

SERVICING PROCEDURES

AP101B-1000-5A37

Continued

SIMS 17A

SMS/78/219/10

CHAP

AIR RADAR

SERVICING PROCEDURES

AP101B-1000-5A3F

Continued

CHAP

SP NO

2

SMS/78/219/10A

AIR RADAR

