HAP	2	SP 101B	SERVICING PROCEDURES		AF	101B-1000-5A3 Section 1				
RADE		AIR RADAR	LIGHTNING			(1st Edition)			ACT	
HEET	1	OF 59 SHEET/S	3 5 6	AL I	10 1	O DATE			TIME	
ITLE	AI 1	MK 230 Installa	ation - Test			RECORD - RAF			EST	
afety	and S	ervicing Notes are	to be complied with throughout	(1)	(2)	(3)	(4)	(5)	E) lie
		ailed on this Card		50	Z	BRIEF DETAILS	NO			
Test Scree	Set !	M Nose Type 64	ator, 6C/4199461. 14.	MAN HOURS	TRADESMAN	OF DEFECT OR SUSPECTED DEFECT	F. 720B	N.C.O. INITIALS	17. ·	
Troll Meter Teste Resor Pitot	ley A: r Unit er No: nator t Stat	Resonator Feed ir Cooling Mk 3 t Monitoring Ty ise 6625-99-914 CT307. tic Test Set Ma CT300.	3D. ype 16325. 4-0553.			and y	\$ 000			
		AII	R RADAR				1			1
•	Prepa	aration								
		A power)	7.X					1	CARDS	
.2	unit. Cool: trol	ing air)	(i) Connect to aircraft (ii) Switch "ON".	•					PROCEDURE CAI	
• 3	RAM r		Fit and secure to radar bullet using centring jig.							
	Teste S-bar	er noise							ASSOCIATED	
	(a) H	RF output.	Connect to input socket of RAM nose screen.	7 500		Walter Commencer			AS	
	(b) I	Mains input.	Connect to appropriate cableform of radar test set harness.							
		item 1.5 is ap 5 aircraft.	oplicable only to Mk F3							
		r Unit toring (MUM).								<u> </u>
	(a) 1	Mounting	Securely attach to centre						53	
	C	clamp.	of horizontal member at rear of windscreen.			To a second			SADE	
		Support	Remove lid and extend.				-		ASSOCIATED TRADES	-
		oars. Meter unit.	Fit to mounting clamps						CLAT	
		w v	ensuring mounting pegs			2000		- 14	1880	
			are securely engaged with slots in MUM case.	17.00		.401	1		1	INI
				4.7 pm		The hard cont	1.17			冒
				o Jedan					-	1 1
							1		NO	B
				r Rush		ner Country (no.		L my I	SP N	101B
	1-01	74/2		-	1	inued			4	1

	101B	CONTINUED	A STATE OF THE PARTY OF THE PAR	8		Section 1		
Safety	2		LIGHTNING			(1st Edition)		A STATE OF
	_	AL 10	WITH THE PARTY OF	AC 1	01	DATE .		
the TITO			o be complied with throughout	SERV	ICING	RECORD - RAF	F. 298	38B
the wo	rk deta	iled on this card.		(1)	(2)	(3)	(4)	(5)
		AIR R	ADAR		-		- Year	A.
1.	Prepar	ration (Contd)			7 10	ACCOUNTS NOT THE PARTY OF		1000
	Sub-i		icable only to Mk T5	-				
1.6	MUM me	eter unit.	Place on starboard seat.				T TWO	
1.7	Radar	test				- 04 - 2	i i	dat.
	harnes	es. Ispension	Set alin to annuanciate			M. Garan Santa	-011	10 PA
		rap and	Set clip to appropriate notch for aircraft		ro:		Levi	1.7
	cl	Lip.	concerned and attach to	1	hajb Ing			613
			port edge of cockpit ensuring rubber pad on	of section	100			
			junction box rests against			The state of the s		271
	(-)		aircraft skin.					
	(b) Ca	ableforms.	(i) Disconnect hand controller and	-				
			connect 6-way free					
			socket to cableform 6-way plug.	100				
			(ii) Connect cableform			l en ,		
			6-way socket to					
			controller plug. (iii) Connect remaining					
			cableforms to					
			appropriate test points.			0.16.25		
			Formal Property of the Propert		-			-
		NAV INS	TRUMENTS			700		
2.	Prepar	ration						
2.1	MRG s	imulator.	(i) Connect in place of					
			MRG. (ii) Set pitch, roll and					
			azimuth controls to				H An I	
			zero.				70 1,	
		AIR	RADAR					
3.	Prepar	ration						
3.1		r noise						
	S-band (a) Tr		Set to frequency of					
	C	ontrol.	external receiver.					
		ain On/Off) witch.	Set to 'ON'. Note: Indication lights					
	(c) R	F Osc On/Off) witch.	will only illuminate after 4 minutes radar run up.	r				
	Sub-i		icable only to Mk T5				1	
3.2	Pupil,	/Instructor	Set to 'PUPIL'.		-			

API 01 B-1 000-5A3 F
Section (1st Edition)

(3)

SERVICING PROCEDURES

LIGHTNING

AIR RADAR

CONTINUED

AL11

Preparation (Contd)

selector.

Meter M2

(50-0-50).

(b) Meter M1 (0-100).

SMS/73/219/2

Safety and Servicing Notes are to be complied

with throughout the work detailed on this card.

AIR RADAR

2

101B

3

CHAP

SP NO

SHEET

3.

SMS 17A

Continued

Check mechanical

zeroes.

CHAP	2	AIR RADAR	SERVICING PROCEDURES		Al	PI OI B-1	000-5A3	F	
SP NO	101B	CONTINUED	LIGHTNING			Sec (1st E	tion (dition)		
SHEET	4	AL 11		AC NO)	DA			
Safet	v and	Servicing No	tes are to be complied	+	-	RECORD			3B
		The state of the s	k detailed on this card.		(2)		3)	(4)	-
		AIR	RADAR					The Relation of the Party of th	
4. <u>I</u>	Power I	Run Up (Con	td)						h _k i
4.3 I	MITTIME (Contd)		1	e a trapado				11.5
		Conta		per 1				we	
(ed cone)							
(est pulse	Set to 'OFF'.					. B. K.	
	SV	vitch.)							
(rial contro							
}		te switch. nge switch.	Set to 'OFF'. Set to 'MAN'.		11 7 71			clet 1	
X		4							
		erial) sition)							85
,	se	elector.)	Set to '1'.						
(est)		100	r ra				5 4
,	.)				2				
(evation ntrol.	Set to 'O'.		72			uni-	À
(m) Ra	nge lock	Set to 'ON'.		- 40			ta j	
(n) Ra	itch. nge tra c k	Set to 'OFF'.	1 2					
(p) Az	itch. imuth ntrol.	Set to 'O'.	hviða (
(q) Co	mp track	Set to 'OFF'.					er i	
(r) Mo	nitor lamp.	Ensure lights after						
			4 minutes PLUS OR MINUS 20 seconds of		1 1			ott I	
			switching on HCU						
			main On/Off switch.						
			be carried out within		100				
		mately 30 so inclusive.	econds of Sub-item 4.4	and the second					
	CU ran	ge r button.	Select 60/80mm range.	200					V.
	ndicat ange s		Ensure 60/80 and 10nm scales illuminated.		1				11
	CU ran electo	ge r button.	Select 40 nm range.						
	ndicat			TWEE S					
(a) Ra	nge scales.	Ensure 40 and 10nm scales illuminated.						
(mputor	(i) Ensure	100.7					
	sw	itch.	illuminated. (ii) Set to '1'.	Dest.	5			7	
CINC /	78/219	/24	7	Cont	tinue	d			

CHAP		AIR RADAR	SERVICING PROCEDURES		A	PI 01 B-11	000 - 5A tion	3 F		
SP NO		-	LIGHTNING			(1 st E	dition	<u> </u>		
SHEET	5	AL 10		AC N	0	DA	TE		••	
Safet	ty and y	Servicing No	otes are to be complied	SERV	ICING	RECORD	- RAF	F	286	В
			k detailed on this card	()	(2)		3)		4)	(5)
	one oug.		RADAR		 	 	·	T		
4.	Power	Run Up (Cor	ntd)							
4.8	LFS.		(i) Raise							
			reflector.							
			(ii) Ensure RH						.	
			event marker							
			is displayed.			h. T		1		
4.9	MUM mor	nitor	Ensure extinguishes						1	
	lamp.		after 4 minutes							
	3.		30 seconds PLUS OR		1	1 11				
			MINUS 25 seconds of					İ	1	
			switching on HCU	1						
	1.0		main On/Off switch.						- 1	
4.10	LES		Ensure RH marker has							
7010	J. 0.		disappeared.	5		1		-		
	Line S		,							
4.11	MUM.								- 1	
	(a) Me	eter M1.	Check indicating							
	(1) =		90 PLUS OR MINUS 4.	1			1925		40	
	(b) Te	est selector								
	(c) Me	eter M1.	current). (i) Check needle					Aven y		*
	(C) M	ster Mi.	sweeping at							
			approx 1 Hz.							
			(ii) Ensure sweep		1	1				
			ceases after						1	
			approx							
	The 7		1/2 minute and					1		
			meter indicate	es					- 1	
			indicates between 20 and							
	* * .	1 4 ,	80.	1						
			(iii) Note							
			indication.							
		1						1		
4.12	HCU Tx		Set to 'OFF'.	1				1	1	
	switch.	•	*	1						
4 42	MITH	W1		1						
4.13	MUM met	er MI.	Check indication has not altered by							
			more than 10 per					1	-	
	¥ .1.		cent from that						.	
			noted in Sub-item							
			4.11 (c) Operation							
			(iii).							
5•	Transmi	tter Power	Output and PRF						1	
	Switchi		Octobro cerrer Life.						1	
		-				175				
5.1	LFS/CRT		Set to 'CRT'.							
	switch.			T. yal						
-	18/074	1			tinue					-

		EX-2000 (10 19 A			
		() ng(15n2 (ng/17kJ 17()		- 5300 TNO; 8 PO 11	
		**** 3747 **** 07.0A			733нг
	180	SERVICING RECORD - RAFFF,	Dollows of something regal	NY INDEED TO SEE THE SECOND SE	
((/)	(4)	(1) ((1))	w detailed on this cardil	we get up av 192 - Dris y	
				(C)	
		1	Perantifi ((cf.)		
			vroven išmene Libera iga bo sa i		
			water at two orange	Prostrom WOM	
			and or and the draw		
			100% are guidetiwa		
			Notion 210 year mining		
			de appeared.	2261	OF W
				aJAUM	11.3
				(a) Meter Mi.	
				(b). There's soluents	
	2:				
			the gridgewa	(o). Neter Mil-	
			Acid to conseque		
				- idotiva	
			mode-dele di betton		
			-\$(1.69)		
			TOTAL VIEW TO SERVE SOUTH	10 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	
			THE LEAVE THE THE TAX IN	inguesing treat-itowed	a C.
			THE PARTY OF THE P		
			NAC TOTAL	LEG / ORG	77.00
or the providing grows to the state of				water a water water	
					4500 FT

CHAP SP NO	2 101B	AIR RADAR	The Comment of the Comment		H. I		8-1 000-9 Section		
SHEET	8	AL 10	LIGHTNING			(1s	Edition	on)	
				AC N	0		DATE	•••••	
afety	and S	ervicing 1	Notes are to be complied	SERV	ICING	RECOR	D - RAF	F. 29	28B
ith th	hrough	out the wo	ork detailed on this card.	(1)	(2)	alv	(3)	(4	
7. <u>s</u>	Search Indicated (d) Ele	Phase (Contor/s. (Contor/s. (Contor)s. (Cont	contd) (iii) Select 4 bar scan and check marker shows 4 bar scan pattern (i) Select 1 bar scan. (ii) Check noise appears on display as control unit Gain control is moved towards maximum. (iii) Reduce Gain control setting slowly and ensure noise amplitude diminishes. (iv) Adjust Gain control for optimum setting,						
Aco	quisit	ion Phase	ie noise peaks just visible.						
	U phas ange t	e rigger.	Select acquisition phase.		-3/1				
(a)) Scan freq	width. uency. isition	Check approx 10 degrees. Check time for 25 sweeps is between 8 and 12 seconds. (i) Set to 5 nm. (ii) Ensure correct circular form approx 5 mm in diameter. (iii) Switch to 40 nm range and check marker is unchanged in shape and position at 5nm.						
7-5			,						
178/	74/5	-0	C.		nued			1_1	_

CHAP SP NO	2 AIR RADAR 101B CONTINUED	SERVICING PROCEDURES LIGHTNING		AF	PiOIB-1000-5A3 Section ((Ist Edition)	F	
SHEET	9 AL 10		AC NO				
	R SIX a Domes harmle		-		RECORD - RAF F.		2 D
Safety	y and Servicing N	otes are to be complied	-			-	
vith t		rk detailed on this card	(1)	(2)	(3)	(4)	(5)
	AI	R RADAR					-
8.	Acquisition Phas	e (Contd)			denimera i tek	1	
					. Neterio	.69	
8.2	Indicator. (Con-	td)	-	d and			
	(c) Acquisition		.		day her		
	marker. (Con	ntd)	. To	144	maked Visi		
		/ · · · · · · · · · · · · · · · · · · ·					
) · ''L'		(iv) Using HCU		Lings		1	
		range control		and T			
		check marker				1	
		can be moved to		200			
		top and bottom					
		limits of					
		display. Note: Adjustment of					
		MUM Fine Range					
		control may	1				
		also be					
		necessary.	l				
	3	(v) Reset marker					
		to 5 nm.					1
		(vi) Operate HCU	1			1	
		handle slowly					
		and ensure					
		marker and scan	.				
		follows					
	* * *	correctly.					
*		(vi ļ) Ce ntralize					
	1	marker.					
	All was 12" 1				10		İ
9.	Test Phase		1				
			1				
9.1	MUM test	Operate.					
	position switch.		" pr = 1				
	/		1				
9.2	Indicator/s.	(1) 1 - (2 - 1 1			1		
	(a) Markers.	Check following			11 -		
	7 B W	markers are displayed Steering dot.	•		1		l
		Time circle.	1		-		
		Target marker.					
		(A circle appro	7		'		
		5 mm in dia).	7			1	
	(b) Timebase	Ensure collapsed to a					
	scan.	single line.					
	(c) Time circle.	(i) Check diameter					
		is approx 80			V 9753x	1.0	
		degrees azimuth		1 11	by what in	1	
		(ii) Check gap is	0 11		5 A C 17 KG		
		positioned	19	Laye	arenda (20)		
		between 4 and 5		DOY	tillrain 1		
		o'clock and			porter /		
		approx 15			Annual Control of the		
	5/78/074/6	degrees in			De til german	(4) 193	
		width.	The second second	tinue	THE RESERVE OF THE PARTY OF THE PARTY OF THE PARTY.		

N/1 2

CHAP	2 101B	AIR RADAR		NG PROCEDURES		À		1000-5A3	F	
SP NO	101B	CONTINUED	LIG	ITNING			(1st l	ction] Edition)		
SHEET	10	AL 10		and HALLA	AC NO		D	ATE		
afety	and s	Servicing No	tes are	to be complied		CING	RECORD	- RAF F.	2988	ВВ
ith t	hrough	out the wor	k detai	led on this card.	(1)	(2)	19/55 (8)	(3)	(4)	(5
		AIR	RADAR							
10.	Adjust	ment of Gra	ticule							
10.1	HCU.				1000				<u> </u>	
	sw	s-Ident itch.		t to 'ON'.	AT I AU				15.4	
	tr	ase change igger.	Select	'SEARCH' phase.	lapatorii	7				
	fa	ditional cilities itch.	Select	ON.						
			Adjust	until Vis-						
			Ident	range indication clapsed to a						
10.2	Indica	tor.	(i)	Ensure 'DOT' aligns with the						
			Note:	intersection of inverted 'T'. If the graticule						
				is not satisfactorily aligned carry out sub-item						
			(ii)	10.3and 10.4. Remove 'Visor' and 'Polarised						
				Dimmer'.						
0.3 I	Polaris	sed Dimmer.	Adjust	graticule.						
9.4	Indicat	tor.		Refit Polarised Dimmer and					74	
			(ii)	Visor'. Ensure 'DOT'					5.46	
				aligns with intersection of						
			Note:	inverted 'T'. If the graticule is not						
				satisfactorily aligned repeat						
				sub-item 10.3 and 10.4.						
0.5 H	ICU.			- Parities and						
200	a) Vis	-Ident	Select	to 'OFF'.						
(b) Add	litional cilities .tch.	Select	to 'NORMAL'.						
				Al company	- 1					

CHAP	2	AIR RADAR	SERVICING PROCEDURES	11.00	AP	1 01 B-1 000-5 A		
SP NO	101B	CONTINUED	LIGHTNING	N.		Section (1st Edition	}	
SHEET	11	AL 10		AC N	0	DATE		
	1	entrentes comme	Per Library, Six All Market Walls	_		ECORD - RAF		2 p
			otes are to be complied rk detailed on this card	1.	(2)	(3)	(4)	- CANADA PARTIES
NT CII	Cillougi			+	1 (2)		1	T .
			AIR RADAR	1	Vo. W.			
10.	Adjus	tment of Gr	aticule (Contd)	1				
							4 1	
10.6	MUM to		n Operate.					
11.	Overa.	ll Sensitiv	ity					
11.1	MUM.							45 6
		erial contre	ol. Set to 'TEST'.					
	7 2		Set to 'O'.	1				
	7 1		r. Set to '6'.					
		ine range ontrol.	Set to mid-position	•				
	,	31101 011						
11.2	HCU.		A				-	
	(a) Ra	ange contro	 Set target marker to 1nm. 					
	(b) Ha	andle.	Centralize then					
			adjust in elevation					
			to set indicator/s				1	
			elevation marker to zero.					
	(c) To	on/Off	Set to 'ON'.	-				
		vitch.			15-11-3			4, .
11 2	MUM.							
1100		ne range	Adjust for an M1					
	CC	ontrol.	indication of 7.5.					
	(b) Te	est selecto:	r. Set to '4'.					7
11.4	Screen	RAM nose.	Paythur Woland	No.				
	The second second	ttenuator.	Set to 'O'.	1				
	(b) Re	esonator.	Tune for peak	1.00	15 54			
			indication on associated meter.					
			adjusting attenuato	r				
			as necessary to					
			maintain a suitable					
	1 1 2		indication.	1 1				
11.5						-		
	(a) A2		Adjust for a	Jake 1				
	CC	ntrol.	minimum indication on M1 and zero					e
			indication on M2.					
	(b) Ae		Set to '2'.					
		elector.						
11.6	HCU.		Adjust in elevation		A. Trans			
			for a minimum		The sale			
G100 /-	70 /		indication on M1.		لبا	Authorities.		
SMS/	18/07	4/7		Con	tinue	d		

CHAP SP NO	-	- 2	AIR RADAR CONTINUED	SERVICING PROCEDURES	100	A	. :	B-1000- Section	1	र	
	+-			LIGHTNING			(1s	t Editio	on)		
SHEET		2	AL 10		AC NO)		DATE	••••		
Safet	v ar	nd S	ervicing No	tes are to be complied	SERV	ICING	RECO	RD - RAF	F.	2988	В
				k detailed on this card.	(1)	(2)		(3)	TEN S	(4)	(5
	Variation of the last	ne - m	AIR	RADAR			1				
11.	Ove	ral	l Sensitivi	ty (Contd)			1				
	Constitution	-		(12 time?) where the							
11.7						- 1					
	(a)		evation ntrol.	(i) Adjust for zero indication on M2 and a	10.50				atta		
				minimum							
				indication on		No Care		41744			
				M1.					u d		
				(ii) Repeat azimuth and elevation	f.District	l'mu.	100				
				adjustments as	10 k		110		1		
				necessary until							
				when switching						1	
				Aerial position		a mich					
				selector from 1 to 2, M1					1		
			4	remains at							
				minimum and M2					- 1	1	
	/- \			at zero.							
	(b)	pos	rial sition. Lector.	Ensure set to '2'.							
	(c)			Set to '6'.		i se en			- 1		
	(d)	Fir	ne range	Set fully anti-) × 1			1	1	
		cor	itrol.	clockwise.			1				
11.8	нсп	ror	1 ma	Adjust for an M1						I	
11.0	con.		_	indication of		4 8					
			er Taryon era€	10 PLUS OR MINUS 2.							
			No.							- 1	
11.9				G 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1		
			nge switch. st selector.	Set to 'AUTO'. Set to '5'.		744					
	, ,		er M1.	Ensure indication is							
	(-)			20 PLUS OR MINUS 2.					1.0		
	(d)		ige set	Ensure lamp is lit,					1		
		lan	ıp.	adjusting range							
				control if necessary and ensuring there		V 5.4					
				is no perceptible							
				change in M1			,		- 1		
	/ - \	m	1	indication.			11.1		1	11	
			t selector.	Set to '4'. Adjust as necessary		10,40					
	(-)		trol.	for zero on M2 and	. 4				1		
				minimum on M1.	N.						
	(ĝ)	A = ==	ni a l	Set to '1'.		Legal					
	(8)		ition	Set to T.	The state of		140				
		_	ector.		18/11				1		
	(h)	Azi	.muth	Adjust as necessary							
		con	trol.	for zero on M2 and							
			+/74	minimum on M1.	1	inue					

CHAP SP NO	2 101B	AIR RADAR CONTINUED	SERVICING PROCEDURES LIGHTNING	Lave	AF	01 01 B-1 0	ion l	ק	
PNU			LIGHINING	-		(1st Ed	Newscare Asses		
SHEET	13	AL 10		-	-	DAT			
afety	and s	Servicing No	otes are to be complied	SERV	Secretaria de la constante de	RECORD -	-	The same of the same of	
ith t	hrough	nout the wor	k detailed on this card	. (1)	(2)	(3)	(4)	(5)
*1	4				Contiguit 4763	w parter and			
11.	Overa.	LI Sensitiv.	ity (Contd)	lu:	E pod				
11.10		en RAM nose							
		Thermometer.		1.0	1984	· . mai			
	(p)	Resonator.	(i) Adjust for peak indication						
			on associated			100			
			meter.						
			(ii) Note frequency setting.						Section 1
		Attenuator	Using temperature					1	
		chart.	and frequency noted						
			at 11.10 (a) and (b)	v Lune	Page 1				
			operation (ii), determine appropriat	4				42,00	
			attenuator setting.	7				1	
	(d).	Attenuator.	Set to figure						
			obtained from						
			attenuator chart.		11	1 - 2 - 1			
			The second secon		M M	<mark>e</mark> tas i Phi			
11.11	l MUM :	monitor	Ensure lit.						
12.	Cros	sover Slope	<u>s</u>			1 			
12.1	MUM.					- 110m			
12.1		Range switc	h. Set to 'MAN'.	.		-			
		Fine range	Set fully clockwise	199					
		control.	and then rotate						
			anti-clockwise					Ì	
			until M1 indicates 22 PLUS OR MINUS 2.5		1				
16			Note: Adjust HCU						
			range control		1				
			as necessary.	100					
	(c)	Aerial	Set to '2'.		1				
	, ,	position			1				
		selector.							
		Elevation	Check setting for minimum on M1 and			1			
		control.	zero on M2.						
	(a)	Aerial	Set to '1'.						
		position	***						
	L L	selector.	strug tarpertorit						
		Azimuth(Check setting for						
		control.	minimum on M1 and zero on M2.						
		*	Zero di Me.			100			
					1				
						a. Will			
				or popular	1000				
				1 1 1 1	20 17 201			12	
								1	
		074/8		-	ntinu		and the same of the same		

SP NO						Section 1		
	101B	CONTINUED	LIGHTNING			(1st Edition)		
SHEET	15	AL 10		AC NO		DATE		
afety	and S	Servicing Notes	are to be complied	SERV	CING	RECORD - RAF F	. 2988	8B
			detailed on this card.	(1)	(2)	(3)	(4)	(5
		AIR RA	DAR	4.7				
13.	Short	Range Vis-Ide	nt Function (Contd)					
13.1	MUM.	(Contd)		m i	Üks	water a comme		
	(d)	Fine range	Set fully			matt (a)		
	1 V 8 2	control.	'CLOCKWISE'.		s V Jul	Victorial (India)		
	(e)	Range track switch.	Set to 'ON'.	ν,				
		switch.	All the second of the second o					
13.2	Scree	n RAM nose.	Detune resonator.					
13.3	HCU.				1	Ir to (a)		
13.3		Phase change	Operate to select					
	(4)	trigger.	Track phase.	100				
	(b)	Reject switch.	-	1 1 1		, ,		
			range out or in					
			until lock-on to	50		auth Air, I m J		
	(c)	Vis -id ent	test pulse occurs. Set to 'ON'.					
	(-)	switch.						
45.4	T . 31 -	1			-1	Agranie i saladi		
13.4		ator/s. Display.	Check Vis-Ident	11				
	(a)	Dispiay.	thermometer scale	1				
			is displayed at		11.5	11		
	7- 1		right hand side.			1 7		
		Range unlocked lamp.	Ensure extinguished	, 1 1				
		unitocked lamp.		oc i				
13.5	MUM.			1 ₀ 11				
		Fine range	Adjust test pulse					
		control.	range (slowly to maintain lock-on)					
			until top of					
			thermometer scale	,				
			is coincident with					
	(b)	Meter M1.	10 nm scale marking Check indicating	l de				
	(0)	Meter Mi.	25 PLUS OR MINUS 2.			di dan di K		
	(c)	Fine Range	Reduce test pulse	120				
		control.	range slowly,	1 2			1 . (*	
			ensuring thermometer scale		Carrow Market	Market Mari		
			length reduces		4	#1 Jun		
	* * * * * *		steadily until	um ž š		$Imp2 = \{n\}$		
	· ·		changeover from		240	Market Company		
	*	-	thermometer scale	15.9	PAGE NA	MARINE (D)		
			to short range circle occurs at		and to			
			approx 900 yards.		m i			
	(d)	Meter M1.	Check indicating	- pile	Similar.	CAST CONTROL	15 W	1
			4.5 PLUS OR MINUS				70. 7	
			0.5.			And the second s		1

CHAP	2	AIR RADAR	SERVICING PROCEDURES		. Al	00 1–1 00 P Secti		115	
SP NO	101B	CONTINUED	LIGHTNING			(1st Edi	tion)		
SHEET	16	AL 10		AC NO		DATE	•••••		
afety	and s	Servicing No	tes are to be complied	-		RECORD -		_	
			detailed on this card.	(1)	(2)	(3)	ANT I	(4)	(5
		AIR	RADAR						
13.	Short	t Range Vis-	Ident Function (Contd)		Lane.				
					12.5	Appel S			
13.5	MUM.	(Contd)			(h:			1.0	
	(e)	Fine range control.	Reduce test pulse range until short range circle is coincident with 500 yards			Jane JAL Harrin Harrin Harrin Da Lein			
	(f)	Test pulse switch.	calibration mark. Set to 1500ft and ensure lock—on is maintained using HCU Reject In/Out switch as						
- 10 A	(g)	Meter M1.	necessary. Check indication is 2.5 PLUS OR MINUS 0.5.				1		
13.6	Indic	eator/s.	Ensure short range circle is coincident with 500 yard calibration mark,						
			PLUS or MINUS 2 mm and that the circle dia is 3 cms PLUS or MINUS 2 mm.						
13.7	MUM.	Test pulse switch.	Set to 'OFF' and ensure short range						
			circle blinks and indicator/s range unlocked lamp flashes.			22			
14.	Minir	num Range Ch	eck	-					
14.1	MUM.				1.74				
14.1	(a) (b)	Test select Range track switch.				4			
		Test positi switch. Fine range	on Operate to select Test phase. Adjust to display						
	(u)	control.	1/3length Vis-Ident thermometer trace.						
14.2	Scree	en RAM nose.	Retune resonator for peak indication on associated meter		, vw	ie suk			

CHAP SP NO	2 101B	AIR RADAR SI	ERVICING PROCEDURES		Al	P101B-1000 Sectio (1st Edit	n l		
			E CONTROL CONT	AC NI)		•••••		
SHEET	17	AL 10				RECORD - F			P
Safety	and S	Servicing Notes	are to be complied	1	(2)	(3)	10	(4)	(5)
with th	hrough		detailed on this card	111	(2)	(0)		1	()
		AIR R	ADAR		1				
14.	Minir	mum Range Chec	k (Contd)	ala).	h	neri_m		. 1	
14.3	MUM.	Monitor	Ensure lit,	ålseð bless		Name of		- 4	
	(b)	lamp. Fine range)	Carefully reduce						
	(c)	control. Meter M1.	range until range circle is						
			coincident with 500 yard mark,						
			ensuring monitor						
	i e		lamp remains lit and GCV reading		here.				
			on M1 remains steady.						
									-
14.4	HCU.	Tx switch.)			1	24 1			
	(b)	Vis-ident) switch.	Set to 'OFF'.						
15	Dodo			-					h
15.		r Ranging							
15.1	нси. (а)	Range selector	Select 40 nm range						
		button.							
	(b)	Range control	. Set target marker to 5 nm.						
15.2	MUM.								
	(a)	Aerial position	Set to '1'.						
	(b)	selector. Test selector							
	(c)	Elevation control.	Adjust for an M2 indication of 5.						
	(d)	Test selector	. Set to '8'.						
	(e)	Azimuth control.	Adjust for M2 indication of 5.						
15.3	LFS/	CRT switch.	Set to 'LFS'.			n n			
15.4	MUM swit	range track	Set to 'ON'.			ji kir i unjû			
15.5	Indi (a)	cator/s. Display.	(i) Check			ave mili			
	, -,		steering do has disappeared		N.				
GAMO /	78/0-	14/10		Co	ntin	ued	and the same		

CHAP SP NO	2 101B		RVICING PROCEDURES		Al	S	ection l Edition		
SHEET	18	AL 10		AC NO			DATE		
			are to be complied		Section 2 in secti	TEGUN	D - RAF F.	ALL STATES OF THE PARTY OF	-
with t	hrough		etailed on this card.	(1)	(2)	No.	(3)	(4)	(5)
		AIR RA	LDAR						
15.	Radar	Ranging (Cor	ntd)						
15.5	Indica (a)	ator/s. (Conto	1):						
			(ii) Check target marker is sweeping between approx 0 and 1 nm.						
	(b) 1	Range scales.	Check 40 and 10 nm scales are illuminated.						
15.6	MUM.					100			47
1,00	The second second	Meter M2.	Check indicating zero PLUS OR MINUS 2.					1.50	
	7 6	Test selector. Meter M2.	Set to '9'. Check indicating zero PLUS OR MINUS 2.		- 1:				
16.	Guns	Radar Ranging	Sales and the first and the						
									-
16.1	The state of the s				117				
		Test selector. Meter M1.	Set to '4'. Note indication.		19,11				
16.2		r armament tor switch.	Set to 'GUNS'.			- 5-7- - 5-7- 1- part			
16.3	Indic	ator/s.	Check elevation marker has depressed approx 1.9 degrees.	- 1 - C x					
	Sub-i Meter	tem 16.4 is ap Unit (Monitor	plicable only to ing) Pre Mod A6854/9.		10-85 357 y 7400	ling L			
16.4	MUM. (a)	Meter M1.	Check indication is 50 per cent or less than the reading						
	, (Test selector. Meter M2.	noted at Sub-item 16.1 (b). Set to '9'. Check reading is minus 6 PLUS OR				(a. 77 ; (b. 18)		
SMS /	78/67	14/10A	MINUS 2.	Con	tinu	ed			

CHAP	2	AIR RADAR	SERVICING PROCEDURES		AF	01 01 B-1 000-5			
SP NO	101B	CONTINUED	LIGHTNING		1 77	Section (1st Editio	in)		
SHEET	19	AL 10		AC NO	J	DATE		• •	
	3 (Tamalaina N	atos are to be complied	SERV	ICING F	RECORD - RAF	F. 29	88	В
sarety	hrough	cout the wo	otes are to be complied on this card.		(2)	(3)	and the last of th	4)	(5)
VI CII C	illougi	STREET, STREET	R RADAR					T	
		211	THINAT						
16.	Guns	Radar Rang	ing (Contd)	h	de La			-	
	only	tems 16.5 a to Meter Un 16854/9.	and 16.6 are applicable nit (Monitoring)Post	*		Company			
16.5	MUM.								
		Meter M1.	Check indication is 50 per cent or less than the reading noted at Sub-item 16.1 (b).	3		Sparsa visa.			
	(b)	Test selec Meter 2.	tor. Set to '9'. Check reading is:-						
	(d)	Fine range control.	6 PLUS OR MINUS 2. Turn fully anti- clockwise.						
	(e) (f) (g)	Test pulse Monitor la Meter M1.	. Set to 1350 ft.		8				
16.6	LFS.		Ensure RH event marker is lit.						
16.7	LFS/	CRT switch.	Set to 'CRT'.	i i					
16.8		er armament ctor switch							
16.9		test tion switch	Operate.						1 1 2
17.	Sigh	tline Rates	3						
17.1		range ector buttor	Select 10 nm range						
17.2	MUM. (a)	Range trac	ck Set to 'OFF'.					1	
	(b)	switch. Elevation control.	Adjust for zero indication on M2 with M2 'Read/Test switch on 'READ'.						
	(c) (d)	Test select Azimuth control.	Adjust for zero indication on M2 with M2 'Read/ Test' switch on 'READ'.						
	1	11. 11. 14.			ntinu				_

CHAP	2		RVICING PROCEDURES		Al	01 01 B-1 000-5 A Section	3 F	
SP NO	101B	CONTINUED	LIGHTNING			(1st Edition)	V 11
SHEET	20	AL 10		AC NO		DATE		
a fatu	bac	Servicing Notes	are to be complied	SERV I	CING	RECORD - RAF	F. 2988	3B
ith t	hrong	hout the work of	letailed on this card.		(2)	(3)		(5)
	oug	AIR RA	DAR		Agricon			
17.	Sigh	tline Rates (C	ontd)					
17.3	HCU	phase change	Select Track and			Very mile	10	
*	trig	ger.	simultaneously		100	120		
			start stop watch.	7			M. Option	
17 1	3/17 173/6							
17.4	MUM.	Meter M2.	Check, as stop	100	L velo		10.	
	(a)	Medel M2.	watch indicates		100			
			10 seconds, that	Y				
			indication is					
			between minus 10					
	(-)		and plus 10.	Zud i		Test Un	3.1	
	(b)	Test position. switch.	Operate.			THE LA		
	(c)		Set to '9'.			West Services		
47 F	TIOTI		Select Track and					
17.5		phase	simultaneously					
	Chan	ge trigger.	start stop watch.					
17.6	MUM.							
	(a)	Meter M2.	Check, as stop					
			watch indicates 10			Land County	e de la	
			seconds, that					
			indication is					
			between minus 10 and plus 10.					
	(b)	Test position	Operate.					
	(0)	switch.	Oporator					
	(c)	Rate switch.	Set to '1'.				-	1
	(a)	Aerial	Set to '10'.			year and		1
		position				April 100		
		selector.	Additional from an	1			l	
	(e)	Elevation	Adjust for an indication of	-				
		control.	minus 40 on M2.		1	diam'r dae		
			Note: Adjustment	- 4	1.4			
			of HCU					
			elevation			144	. 14	
			control may			Malif. 1		1
			be necessary.	Í				
			. necessary.				+ i \	
17.7	HCU	phase	Select Track and		1,12			
		nge trigger.	simultaneously					1
			start stop watch.	1				
		•						
				200				
1					<u></u>			1
SMS/	78/0	74/114		Cor	ıtinu	ed		

SP NO	101B	ATR RADAR CONTINUED	SERVICING PROCEDURES		,	AP1 01 B-1 00 Secti (1 st Edi	on 1	F	
SHEET	21:	AL 10		AC N	n			with the	
10.				0500	-	DECORD	-	-	0
			tes are to be complied	1	(2)	RECORD -	Company of the Compan	-	-
with t	nrougi		k detailed on this card RADAR	1. (1)	(2)	(3)	1	(4)	(5)
17.	Sight	line Rates	(Contd)		یل ۱	وتنطيقا			
17.8	MUM. (a) (b) (c) (d) HCU p chang MUM. (a)	Test positi switch. Test select Aerial position selector. Azimuth control.	Check time taken for pointer to move from minus 40 to plus 40 is 5 PLUS OR MINUS 1.5 seconds. On Operate. Adjust for an indication of minus 40 on M2. Select Track and simultaneously start stop watch. Check time taken for pointer to move from minus 40 to plus 40 is 5 PLUS OR MINUS 1.5 seconds. Operate.						
18.1	Pitot test	/Static set.	Connect.	^					
18.2	Pitot	/Static ures.	Adjust Pitot/ Static pressures for an airspeed of 175 PLUS OR MINUS 20 Kts. (Static at prevailing atmospheric).						

CHAP SP NO	2 101B	AIR RADAR	SERVICING PROCEDURES		Α		B-1 000		ir _a pi	
		CONTINUED	LIGHTNING		11979	(1s	Section t Edit	ion)		
SHEET	22	AL 10		AC N	10		DATE			
Safety	y and	Servicing Not	tes are to be complied	-	ICING		_			3B
with t	through	hout the work	detailed on this card	. (1)		410	(3)		(4)	
		AIR	RADAR							
19.	Lock-	on and Rejec	t Function							
19.1	MUM.									
		Aerial position selector.	Set to '1'.							
	(b)	Rate switch.	Set to 'OFF'.							
	(c)	Test pulse switch.	Set to '8 nm'.							
	(d)	Comp track switch.	Set to 'ON'.							
19.2	HCU.			a Pagi	1					
		Range contro	l. Set target marker to '10 nm'.		- 7					
	(b)	Handle.	Adjust to set							
			elevation marker to between 5 and							
			10 degrees.							
19.3	MUM rack	ange switch.	Set to 'ON'.		1					
19.4	Indica	ator/s.	Check time circle gap moves to					×		
			9 o'clock.	, k	40					
19.5	MUM.									
	/	Rate switch.	Set to '1'.						1	1.6
		Test pulse switch.	Wait a minimum of 6 seconds then set to 'OFF'.							
9.6	Indica	ator.	Check target		- 1				1	ι, į
			marker remains at	4					4.5	4
			lock-on for approx							
			5 seconds then moves in and					.	. 1	
			carries out a							
			limited search at a		- 5					
			point between 3 and 6 nm.						١	
9.7	MUM.									
	(a) T	est pulse witch.	Set to '8 nm'.							
	(b) R	ange track witch.	Set to 'OFF'.					. Agr		
9.8	Indica	tor.	Check target marker moves out to 10 nm.							
$\frac{15}{78}$	1074	/12A		Cont	inued			(A) ()		-

CHAP	2	AIR RADAR	SERVICING PROCEDURES		A	PI 01 B-1 000-5A3 1	F	
SP NO	101B	CONTINUED	LIGHTNING			Section ((Ist Edition)	19-41	
SHEET	23	AL 10		AC N	0	DATE		
Safety	and S	Servicing Not	ces are to be complied	SERV	ICING	RECORD - RAF F.	2988	В
			detailed on this card.	(1)	(2)	(3)	(4)	(5)
		AIR	RADAR					
19.	Lock-	on and Rejec	et Function (Contd)					
19.9	MUM.							
	(a)	Range track	Wait for M1					
		switch.	indication to					
			settle then set to					
	(b)	Test pulse	Wait for target					
		switch.	marker to lock-on					
28			at 8 nm then set immediately to					
			"OFF" and check					
			target marker moves					
			immediately into shorter range with					
			neither fire or					
			warning lamps					
			lighting.					
19.10	Indic compu swite	ter	Set to '2'.					
19.11		Range track	1					
		switch.	0.4.4.8077					
		Range lock switch.	Set to 'OFF'.					
19.12	HCU r	ange	Set target marker	11 12 1			-	
	contr		between 3 and 4 nm.	ı I				
19.13	Indica	ator.	Check time circle			*		
. ,	T-100 T-00	2018	gap is 4.30 o'clock					
10 44	TIOTT		1 11 11 11 11 11 11 11 11 11 11 11 11 1					
19.14	HCU.		Move handle forward until	- 11				
			elevation angle is					
			zero and check					
			time circle gap remains at		1			
			4.30 o'clock.					
19.15	Indica	ator.	Check steering dot is positioned at					
			1.30 o'clock.					
19.16	HCU.		(i) Move handle					
			forward until					
		1 1	elevation			X	/	
			angle is 5					
Me /72	1	/	degrees down.					
) / CITT	1074	113		Cont	inue	d		

CHAP	2	+	SERVICING PROCEDURES		A		-1000-5A3	3 F	
SP NO	101B	CONTINUED	LIGHTNING			(1st	Edition		
SHEET	2.4	AL 10		AC NO	J	[DATE		
Safety	and	Servicing Note	s are to be complied			RECOR	- RAF F		
with t	hroug		detailed on this card.	(1)	(2)	dig.	(3)	(4)	(5)
		AIR R	ADAR						
19.	Lock-	on and Reject	Function (Contd)						
19.16	HCU.	(Contd)							
			(ii) Check on moving handle, steering dot moves to 6 o'clock and remains there for 4 seconds before returning to 1.30 o'clock.						
19.17	Indic	ator.						1	
		Display.	Check time circle gap is between 9 and 10 o'clock.	, or					
	(b)	Computer switch.	Set to '1'.						
19.18									
	(b)	Range track switch. Range lock) Set to 'ON'.						
		switch.							
		Test pulse switch.	Set to '8 nm'.						
19.19	HCU r switc		(i) Operate to achieve lock-on at 8 nm.						
			(ii) Pull back to reject in and check target marker unlocks and moves inwards in range,					1.0	
			allow strobe to run in to approx 3 nm. (iii) Push forward to reject out and check target marker moves outwards.				and the second		
, -	1	4/13A		~	inue	,		-	

CHAP SP NO	2 101B	AIR RADAR	SERVICING PROCEDURES LIGHTNING		,	S	3-1000 - 5	1		
SHEET	26	AL 10	Cranting	-		TY T	Editio			
				_	-		DATE		_	
Safety	and s	Servicing No	tes are to be complied	SERV		RECOR	D - RAF	F.		
vien e	nrougi		k detailed on this card. RADAR	(1)	(2)		(3)		(4)	(5
		AIU	RADAR							
20.	Comp	outers (Low	Altitude) (Contd)							
20.3	MUM.	(Contd)	ALL THERE IS		T.			mg.		
	(c)	Test select Azimuth control.	tor. Set to '8'. Adjust for zero indication on M2 with M2 'Read/ Test' switch on 'Read'.							
	(e)	Rate switch								
	(f)	Test select	for. Set to '9'.					- 175.		
20.4	HCU.		(i) Adjust to centralize steering dot in elevation (ii) Move handle forward until steering dot moves down.			Vary		yik Kara Wes		
20.5	Indic (a)	cator. Elevation angle marke	MINUS 2 degrees		÷					
	(b)	Computer switch.	down. (i) Set to '2' and check steering dot is							
			stationary. (ii) Set to '3' and check steering dot moves between 1.30 and 2 0'clock.		= 2.		Links 24			
			The second secon		- KE					
Ma /20	1	1111								
M2/ (0	1074	/14A	And the second of the second of the second of	Cont	inue	d				

CHAP	2 101B	AIR RADAR		CING PROCEDURES	Harry	A	PI 01 B-1 00 Secti		7	
SP NO		CONTINUED	l l	IGHTNING	1047		(1st Ed	ition)		
SHEET	28	AL 10			AC NO	· · · · ·	DAT	E		
				re to be complied	-	Annual Property lies	RECORD -	-	-	-
with t	hrough			ailed on this card.	(1)	(2)	(3		(4)	(5)
		AI	R RADA	R	ABATT	1				
20.	Compu	iters (Low	Altitu	de) (Contd)	et in	17.44				
NB				2 inclusive are 5 aircraft.	4					
20.9	Pupil swite		r Set	to 'INSTRUCTOR'.						
NB		ed out usi		21 are to be craft Starboard			4			
20.10	HCU.		Selec	et 40 nm.						
20.11	MUM r	ate switch	. Set t	50 °0°.	(
20.12	HCU.			carget marker cation to between						
			35 ar	nd 40 nm.						
20.13	(a)	Test	Set t	io '5'.						
	(b)	selector. Phase balance.	indic M2 'H	et for zero cation on M2 with Read/Test switch						
		Test selector.		50 181.						- 1
20.14	HCU.			st azimuth control						
			M2 wi	th M2 'Read/Test' h on 'Read'.						
20.15	(a)	Rate switch.		o '1' and check						
	(b)	Test selector.	appro	x 1 positive.						
20.16	HCU.		(i)	Adjust to centralize steering dot in						
			(ii)	elevation.			u u			
				William Comme	y in a					
	2/.5	/15A				inue				

SP NO	2 101B	AIR RADAR	SERVICING P		4.4.5	A	P1 01 B-1 000-5A Section		
		0 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -	LIGHTNI	NG			(1st Edition)	W
SHEET	30	AL 10	THE STREET		AC NO		DATE		
Safety	and s	Servicing N	Notes are to	be complied	SERVI	CING	RECORD - RAF	F. 2988E	3
				on this card.	(1)	(2)	(3)	(4)	(5
		A	R RADAR		UED:				10
20.	Compu	iters (Low	Altitude)	(Contd)			tel de lessena		
20 21		cator.		teering dot					
20.21	THAT	Ja 101 .		ion against	ufft -		our mails	27	
				er switch	1.		- Toolston		
			setting						1
		-	follows				and a section of the		
			COMP SWITCH	DEFLECTION					
			3	1.30 o'clock	(4)				
			2	1.30 o'clock			x 1 1 0		
		L		Centre					
		Not		ion is to be		,			
				circle					
			MINUS 5	r PLUS OR				25 7 4	
		4	MILINOS)		L V				
20.22	Pupil	./Instructo	r Set to	'PUPIL'.					
	DWIGO								
20.23			Librario	La de la company					
	(a)	Test selector.	Set to	191.					
	(b)	Rate switch	h. Set to	"O" and check					
				s approx 1					
	/ \		negativ						
	(c)	Elevation		for zero					
		control.		on on M2 'Read/Test'					
				on 'Read'.					
	(d)	Test	Set to						
	()	selector.		all Address					
	(e)	Azimuth control.		for zero ion on M2					
		COTTOT OT	with M2	'Read/Test'	M			a.	
			switch	on 'Read'.					
				930 11					
,									
		The second			10			(a)	
				Mil draw m	40				
				Charles The Country have	D.	*			
				and the second second in the second of the second s	***	12.4			
								1 1	

CHAP SP NO	2 101B	AIR RADA		a III ya	A	Pl 01 B-1 000-5A3 Section (1st Edition)	F	
SHEET	31	AL 10		AC NO)	DATE		
						RECORD - RAF F.		R
afety	and	Servicing	Notes are to be complied work detailed on this card	1.	(2)	(3)	(4)	(5
20.	MUM.	(Contd) Set to following positions and check M2 indication is as				stehil, store	
A. S.	E EL	TEST SEL	M2	*				
	1	7	O PLUS OR MINUS 0.5					
	1	6	O PLUS OR MINUS 0.5		7			-
	10	6	MINUS 18 to MINUS 24		1			
	10	7	PLUS 18 to PLUS 24					
	10	9	MINUS 30 to MINUS 36		1 1 4			
	9	7	MINUS 18 to MINUS 24					
	9	6	PLUS 10 to PLUS 24					
	8	8	MINUS 30 to MINUS 36					-
20.24	Indic	eator	Check steering dot is positioned 1.5 to 2 cm right of centre.					
N'B	inclu	sive the	ems 20.25 to 20.30 e airspeed indication is to DR MINUS 20 Kts.					
20.25	Ĥ.	Aerial position selector	7.					
	(b)	Range selector	ector. Set to '9'. Set to 'SWEEP'.					
20.26	HCU 1		Set fully forward.	a la		1000		

CHAP 2 SP NO 101	-	RADAR SI	ERVICING PROCEDURES		A	P101B-1000-5 Section (1st Edition	1					
SHEET 32	AL	10		AC I	AC NO DATE							
						ING RECORD - RAF F. 29881						
			are to be complied		(2)	The second limited the second li		_				
Ten enroc	gnout	AIR RAI	detailed on this card	1. (1)	1(2)	Con	(+,	1				
20. Com 20.27 MUM (a) (b)		er M1.)	(i) Wait for M1 to settle and then hold swee switch on and ensure following sequence occurs:-			deploying						
			MUM			54.0						
INDIC	ATOR	LAMP LIT	M1 INDICATION									
1st T 0		Warning and Fire	18 PLUS OR MINUS 5									
2nd T C		Warning and Fire	13 PLUS OR MINUS 4									
Breakaw	ay	Breakawaj	10 PLUS OR MINUS 3									
			(ii) Release Sweep switch.									
	icator puter tch.	c	Set to '2'.				The state of the s					
20.29 MUN (a)		er M1.	Wait for indication to settle before proceeding.		10.6							
(b)	Swee	ep switch.	(i) Hold to 'ON' and check M1 indicates 10 PLUS OR	- 2		enager y megagy digit digital bysaulty		4				
			MINUS 3 when breakaway lamp lights.	100		Silver in of optical properties						
(c)		t ector.	(ii) Release. Set to '11'.			00.63 -374		igi u				
sms/78/c				Con	tinue	he						

V	4
~	•
U	2
2	

CHAP	2	AIR RADAR	SERVICING PROCEDURES	API 01 B-1 000-5A3F							
SP NO	101B	CONTINUED	LIGHTNING			(1st	Edition)			
SHEET	33	AL 10		AC NO			DATE				
n fotu	and o	Servicing No	otes are to be complied	SERVI	CING	RECOR	D - RAF				
ith th	rough	out the wor	k detailed on this card.	(1)	(2)		(3)	(4)	(5)		
10 0.		AIR	RADAR			TARRES					
20.	Compu	ters (Low A	ltitude) (Contd)								
20.29	MUM.	(Contd)									
		Meter M1.	Check indicating not	-93		-					
	(4)	Meter Mi.	less than 90.		13.10						
	(e)	Test	Set to '9'.	G G Y							
		selector.		W.,	1						
20.30	Indic	ator	Set to '4'.	997.							
		ter switch.			-						
00 34	7/TTX#			1							
20.31		Rate	Set to '1'.								
	(4)	switch.									
	(b)	Sweep	(i) Hold 'ON'.	10.70					L		
		switch.	(ii) Check range								
			move in, time circle						l		
			collapses and								
			warning lamp								
			lights when M1								
			indicates				8				
			33 PLUS OR			12			1		
			MINUS 5.			-					
			(iii) Check 2nd time								
			circle collapses and								
			fire lamp			1	- ×				
		T	lights when M1		1						
	A		indicates	1			12				
			30 PLUS OR			1			.		
			MINUS 5.								
			(iv) Check breakaway								
			cross and lamp		1 10						
			appear when M1 indicates.		-						
			17 PLUS OR								
			MINUS 4.								
			(v) Release.								
	(c)	Test	Set to '11'.								
	(a)	selector. Meter M1.	Check indicating not	1							
	(a)	Meret. MI.	less than 90.								
	(e)	Test selector.	Set to '9'.	o la compania del compania del compania de la compania del compania del compania de la compania del compani							
			LECTRICAL			T					
21.	Gene:	ral						7.			
21.1	Pito	t/Static	Set for 30000 ft with								
		sures.	an indicated airspeed	1							
			(IAS) of 600 Kts.	1	1	1			1		

CHAP	2	AIR RADAR	SERVICIN	G PROCEDURES		A	API 01 B-1 000-5A3 F					
SP NO	101B	CONTINUED	LIGH	TNING	Section (1st Edition)							
SHEET	34	AL 10			AC NO		•••	DATE	•••••			
afety	and S	Servicina No	otes are	to be complied	SERV.	CING	RECOR	RD - RAF	F. 298	8B		
				led on this card.	(1)	(2)	Siana.	(3)	(4)	(5)		
			RADAR		THE ST		75			-		
	1000											
22.	Gener	<u>al</u>					125					
22.1	MIIM m	AUM meter M1. Ensure indication										
	MUM meter MI.		changes smoothly as				110		1			
				ude input	Time.		1 4 8		e Hay			
			increases to 30000ft.									
23.	Compu	ter (Kineme	tic Rang	ging)		- 1	1					
02.4												
23.1		/Static		re instrument						M.		
	pressures.		indications are 600 PLUS OR MINUS									
				s and 30000								
			PLUS	OR MINUS 1000ft.	1746		i i					
23.2	MITM a	erial	Set t	o '10'.								
	posit		500	and Africa Aprilian								
	selec	tor.										
23.3	HCU.					V 1 8						
23.3		Range	Set t	arget marker		1	10					
		control.		tween 35 and								
			40 nm				1 11	*1				
	(b)	Handle.	(i)	Set elevation								
				to zero degrees and check time								
				circle gap is								
				positioned at								
			(ii)	4.30 o'clock. Set fully back								
			(11)	and check time								
				circle gap								
				moves to								
				9.30 o'clock.								
23.4	Indic compu	ator ter switch.	Set t	o '3'.								
23.5	MUM a	omiol	Cot +	o 'NORMAL'.								
23.)	contr		Set 0	O NOTULALI.								
					d me				H No			
23.6	HCU.		(i)	Set fully forward and								
				ensure time								
				circle gap					Deg.			
				moves to								
W., I			(ii)	4.30 o'clock. Adjust for an						177		
			\/	elevation		. 1. 1						
				angle of 20						100		
				degrees up						113		
				with zero degrees in								
1180 /7	8/	4/18A	7	azimuth.	Cont	inue	h					

CHAP	2	AIR RADAR	SERVICING PROCEDURES	i	A	P1 01 B-1 Sec	ction	1		
SP NO	101B	CONTINUED	LIGHTNING	Section (1st Edition) AC NO DATE						
SHEET	35	AL 10	No. 24 Control of the	AC NO) 	D	ATE	••••		
'a fotu	and C	Servicing No	otes are to be complied	SERV	ICING	RECORD	- RAF	F.	2988	ВВ
with the	hrough	out the wo	rk detailed on this card.	(1)	(2)		(3)		(4)	(5)
			RADAR							
23.	Compu	ter (Kinem	etic Ranging) (Contd)							
NB	Durir	nø Sub-item	s 23.7 to 23.21							
112			evation angle of 20							
14.			e maintained when			, Itlair				
	adjus	sting handl	e in azimuth.			x = 1				
23.7	Tndio	cator.	Set to '4' and							
23.1	compi		ensure steering dot							
	swite		is positioned at	1						
		* g + 1 * 1 * 7	2.30 o'clock.							
23.8	HCU.		Move outboard and			11				
23.0	HOU.		check steering dot						9	
			remains stationary							
χ I			until display angle							
			is 25 degrees left,		1					
			then moves left,							
			being fully left							
			when display angle							
			is between 40 and 45 degrees.							l
			4) degrees.							
23.9	MUM 3	rate switch	. Set to '2'.							
23,10	Tndio	cator.	Check steering dot is	\$						
			positioned between							
	€		9 and 10 o'clock.							1
02 44	TIOTT	*1	Warra inhaand and							
23.11	HCU.		Move inboard and check steering dot							
		9.	remains left until			1				
			display angle is		1				1	
			25 degrees starboard,		1 5 8					
			then moves right,							
	1, 2		being fully right							
			when display angle							
			is between 40 and 45 degrees.							
			4) degrees.							
23.12	MUM :	rate switch	. Set to '1'.							
23.13	HCU.		Adjust to set time							
			circle gap at		184°					-
			12 o'clock.							
23.14	Indi	cator.	Ensure display angle is between 15 and 25		in in it					
			degrees starboard.	1000	<u> </u>	1				
			factor of the pro-							
					- 8					

CHAP	2	AIR RADAR	SERVICING PROCEDURES	API 01 B-1 000-5A3 F Section (1st Edition)						
SP NO	101B	CONTINUED	LIGHTNING							
SHEET	36	AL 10		AC N	10 DATE					
afets	and s	Servicing No	tes are to be complied	-		RECORD - F			BB	
ith t	hrough	nout the wor	k detailed on this card.		(2)	(3)		(4)		
23.16	Sub-iappli Pupil switch	iter (Kineme item 23.15 t icable only	RADAR tic Ranging) (Contd) 0 23.18 inclusive are to Mk 5 aircraft. Set to 'INSTRUCTOR'. Set computer switch to '4'. Repeat Sub-items 23.8			A TOTAL STATE OF THE STATE OF T				
	contr	ols. /Instructor	to 23.14 inclusive.							
	HCU.	ator.	Reduce range until steering moves anti-clockwise.		100					
23.21	HCU.		18 PLUS OR MINUS 2nm.	i A	- ile		e apus			
		Range control.	Set target marker to between 35 and 40 nm.	5						
		Handle.	Move slowly to 25 degrees port (when steering dot just starts to move left). Note: Care is to be taken to avoid overshooting this point:							
	, a	Range control.	(i) Reduce range until a steering dot movement to the left occurs. (ii) Check range is between 9 and 13 nm.							
24.	Compu	ters (High A	Altitude)							
4.1	HCU ra		Set target marker to between 35 and 40 nm.							
	2/	1/19 A		Carri	inue	م ا				

CHAP	2	AIR RADAR	SERVICING PROCEDURES		A	PI 01 B-1 000-		
SP NO	101B	CONTINUED	LIGHTNING	1		Section (1st Editi	on	
SHEET	37	AL 10	J. 197 (A.)	AC NO		DATE .		
1.00			to be semplied			RECORD - RA	No. of Concession, Name of Street, or other Desires.	
Safety	and	Servicing No	otes are to be complied on this card.	MONTH PROPERTY.	(2)	(3)	(4)	-
vi th t	nrough	ATR	RADAR					
		Alic	Itaban	NAME OF STREET				
24.	Compt	aters (High	Altitude) (Contd)	W.L.	AL.	يدر إينا	imud.	
24.2	Indi	cator	Set to '1'.			Table 1	- 100	
	compu	ater switch.	사람이 내려면 하나 사람들이 되어 있다.					
				Link.				
24.3	MUM.					- 1 - 1 - 1 - 1 - 1		
	(a)	Aerial	Set to 'TEST'.					
	(b)	control. Aerial	Set to '1'.				10.	
9	(0)	position	Set to 1 :					
		selector.						
	(c)		Set to '8'.			2001		
		selector.						
	(d)	Azimuth	Adjust for zero					
		control.	indication on M2 with					
			M2 'Read/Test' switch on 'Read'.		1			
	(e)	Test	Set to '9!.					
	(e)	selector.	Set to 95.					
	(f)	Elevation	Adjust for zero					
	(-)	control.	indication on M2 with			150		
			M2 'Read/Test' switch			1.2		
			on 'Read'.					
		1/01	Ensure instrument					
24.4		t/Static sures.	indications are:	1		3.		
	pr es	Sur Co.	111410401011111111111111111111111111111	İ				
e			IAS = 600 PLUS OR					
			MINUS 10 knots.		1	1 4		
			Altitude = 30000					
11		*	PLUS OR MINUS 1000ft.					
04 E	Todi	cator.	Check steering dot is					
24.5	Indi	Cator.	positioned at centre.					
			P002 02000					
24.6	HCU.		Move forward and				1	
			ensure steering dot					
			moves down when					
			elevation angle					
			reaches 2 PLUS OR MINUS 2 degrees down.					
			MINUS 2 degrees down.					.
24.7	Indi	cator	Set to '2' and check					
		uter	steering dot remains					
1 1	swit	ch.	down.			-		
04.0	***					land the same	4 1/3	
24.8		A L	Set to Minimum and	and .	, A	The right	W	
	(a)	Range control.	ensure steering dot					
		COLLOI OT.	moves to 1.30 o'clock	d		Party of the	-1 -1	
	(b)	Handle.	Adjust for an			1 10 1	100	
		.e .r .eg	elevation angle of					h.
1	-0.7		5 degrees up.	-	1			
SMS/	10/07	14/20		COI	ntinu	tea		100

CHAP		AIR R	LADAR	SERA IC	CING PROCEDURES	120	Al		-1 000-5A		
P NO	101B	CONTIN	NUED	L	IGHTNING	Wales.	1	(1st	ection Edition	}	777
HEET	38	AL	10	lil ite		AC N	0		DATE		•
afety	and S	ervic	ing Not	es ar	e to be complied	SERV	ICING I	RECORI	- RAF	F. 298	38B
			he work	deta	iled on this card	. (1)	(2)		(3)	(4) (5)
			AIR	RADAF	}						
24.	Compu	ters	(High A	ltitu	ide) (Contd)	dens	M.A	1372.2			
24.8	HCU.	(Co	ntd)		No. of	inst.					
		Range			t for M1 to		111	a K, isto			
		contr	ol.		bilize then adjust an indication	t					
					50.	- 10					
24.0	.9 MUM.					988		m I i i		4	
24.9		Sweep		(i)	Hold to 'ON'	7					
		switc		(-)	and ensure the	mark.					
					following						
					sequence	144					
						521					
		1		T/J	UM	Me					
			# 1 aau 2 1		OM	P & L					
T 7077	DICATO	D .	LAMP LI	m	M1 INDICATION						
T 1/1	JI OA IO.	n .	DAME DI		MI INDICATION	M ₁					
1st	T cire	cle	Warning		33 PLUS OR						
cont	racti				MINUS 5					7.1	
0 3	m ·	, ,	7.		20 7117 07						
	T cire		Fire		30 PLUS OR MINUS 5		2.				
					MINOS 9			11.9		χ.	
Brea	akaway		Breakaw	av	17 PLUS OR	17 A					
cros	-				MINUS 4	9/1					
						est)					
						Vin I					
				(ii) Release.					1	
	(b) Re	ed cor	ne	Set	to 'ON'.						
	sı	witch.									
	(c) To	est electo	or.	Set	to '10'.						
	(d) R	ear la	amp.		ure lit.						
	(e) M	eter 1	M1 .		ck indicating PLUS OR MINUS 7.	(0.5µ					
	(f) Co	omp to			to 'OFF'.						
	(g) F:				ure lit.			ti Ti rejl		IC II	i silot
	(h) M	eter I	MI.		ck indicating PLUS OR MINUS 8.	ing '				07	
		witch.		Set	to 'ON'.	4500 COS					
	(k) Te	est se	elector	. Set	to '11'.					A C	
										1	

RESTRICTED

CHAP.	2	AIR RADAR	SERVICING PROCEDURES	Mark.	A	PI 01 B-1 000-5A		
SP NO	101B	CONTINUED	L I GHTN ING			Section (1st Edition)	
SHEET	39	AL 10	(14.26)	AC NO		DATE		
Safety	and s	Servicina Not	tes are to be complied	DEPOSIT VALUE OF STREET	QUARTER STATE	RECORD - RAF	-	-
with t	hrough	nout the work	detailed on this card.	(1)	(2)	(3)	(4)	(5)
		AIR	RADAR		12			
24.	Compu	iters (High A	ltitude) (Contd)		ira.		-40	
24.9	MUM.	(Contd)					p b	
	(1)	Meter M1.	Check indicating 30 PLUS OR MINUS 4.					
25.	Track	king Time Con	stant	pH.Y				
25.1	MUM.			u, t,				
	(a)	Aerial)				Wall III may		
	1.56	position) selector.	Set to '9'.	-				
	(b)	Test						
		selector.)						
	(c)	Rate switch.	Set to '3'.					
	(d)	Range control.	Set to 'MAN'.					
25.2	HCU.	Range	Select 10 nm range.					
		switch.						
	(b)	Range control.	Set target marker to 5 nm.					
25.3	Indicomposition switch		Set to '4'.					
25.4	Eleva	ation rol.	Adjust for an M2 indication of plus 40					
25.5	Indi	cator.	Ensure time circle is at full diameter.					
25.6		phase ge trigger.	Select Track and simultaneously start stop watch.					
25.7	MUM.		20 4				,	
	(a)	Meter M2.	Ensure time taken for	137			× 11	
		* 1 x	pointer to move from plus 40 to minus 40			100		
			is between 4 and 6					1
	12.1	m	seconds. Operate.	1	1			
	(b)	Test position	Oberane					
		switch.				1		
2F 0	LICIT	non ce	Reduce range to 2 nm.			de che i		
25.8	cont	range rol.	Accuse Tange to 2 Inn.					
					Liv		1 12	

CHAP	2	ATR RADAR	SERVICING PROCEDURES		A		-1 000-5A		
SP NO	101B	CONTINUED	LIGHTNING	17 1		(1st	ection Edition		
SHEET	40	AL 10		AC NO)		DATE		
		200 4 100000 100		+			D - RAF		-
			es are to be complied detailed on this card.		(2)	L	(3)	(4)	-
I CII C.	irougi		RADAR	1	(2)		(0)	1	1
		AIR	ILADAII						
25.	Tracl	king Time Con	stant (Contd)		1. 12			and of	
25.9	MUM.								
	(a)	Rate switch.	Set to '2'.			- Land			
1 × 11	(b)	Fine range	Adjust for an	Line					
		control.	indication of 20 on	LOW:				1	
			M1.						
	(c)	Rate switch.	Set to '3'.	(Cardy	COS.				
25 10	TIOIT -	hoan	Select Track and						
25.10		ge trigger.						4	
	chang	ge trigger.	simultaneously start stop watch.						
			stop waten.				1001		
25.11	MIJM.				100	A Holy			
	(a)	Meter M2.	Check time taken for					114	
	(-)		pointer to move from			1.00			1
			plus 40 to minus 40		. alik				
			is between 2 and 3.5			Vera			
			seconds.					14	
	(b)	Test	Operate.						
		position	*			. 1, 1			
		switch.	The state of the s						
	(c)	Comp Track	Set to 'OFF'.					1	
		switch.		n P					1
					3	a Lynyt			1
25.12	Indic	ator.	Ensure breakaway						
			cross is displayed.	40 . I					1
DE 10	TATE THE							ja d	1
25.13	(a)	Test	Set to '8'.						
	(a)	selector.	Set to .O.						
	(b)	Aerial	Set to '7'.					the h	
		position	50 00 17.						1
		selector.							
	(c)	Azimuth	Adjust for an M2			140			
	(0)	control.	indication of plus						
		7	40.						
			The result of the second of the						1
25.14	HCU I	hase	Select Track and					I	
	chang	ge trigger.	simultaneously start						
			stop watch.						1
				12					
25.15			the state of the state of	-					
	(a)	Meter M2.	Check time taken for	BL!					
			pointer to move from		ing of				
			plus 40 to minus 40	PTG .					
			is between 4 and 6	MZ .			AMI A	1 1	
	(b)	Mode	seconds.	74					
	(0)	Test position	Operate.	1 11	ik ng				
		position switch.	Latter to get any many last the	040	7.1				
		PALT COILS	Annual Control of the		2.57				1

CHAP SP NO	2 101B	AIR RADAR CONTINUED	SERVICING PROCEDURES		A	Sec	000-5A3	F	
			LIGHTNING				dition)		
SHEET	41	AL 10	and the second second	AC NO		Di	ATE		
afety	and s	Servicing Not	es are to be complied	SERV	CING	RECORD	- RAF F	2988	ВВ
			detailed on this card.	(1)	(2)		(3)	(4)	(5
			RADAR			THE WA		1 1 1	
			. China						
25.	Track	ing Time Cons	stant (Contd)		4.74			1	
			Control of the Contro						
25.16	HCU r		Reduce range to 1 nm.						
25.17	MUM.				4.0				
		Rate switch.	Set to '2'.						-
	(b)	Fine range	Adjust for an M1						
		control.	indication of between						
	(-)	Rate switch.	5 and 15.						
	(c)	nate switch.	Set to '5'.	411					
25.18	HCU r	hase	Select Track and						
	_	ge trigger.	simultaneously start						
			stop watch.	y.	1				
40									
25.19		W-+ WO	Check time taken for						
	(a)	Meter M2.							
			pointer to move from plus 40 to minus 40						
			is between 2 and 3.5						
			seconds.						
	(b)	Test	Operate.			1.14			
		position			-	a)			
	(c)	switch. Rate switch.	Set to '1'.						
	(d)	Fine range	Adjust for an M1	,					1
	(4)	control.	indication of between		A sign i				
			16 and 24.						
	(e)	Comp Track	Set to 'ON'.						
		switch.		,					1
	(f)	Fine range	Reduce range as			2 1 1 1			1
*	* * w	control.	necessary to obtain a steady launch warning		7			.	1
			signal.	1					
	(g)	Range lock	Set to 'OFF'.						
	(0)	switch.							
25,20	Indi	cator.	Check contracted time						-
	7.5		circle with no gap is displayed.						
			is displayed.						
25.21	HCU :	range	Set fully back and					-	
	cont		check M1 pointer						
		Same and a state of the same	remains stationary.	-					
26.	D-17	Pno mammo							×
20.	ROLL	Programme		1.7					
26.1	MUM.								
20.1	(a)	Aerial	Set to '1'.	1					
	(a)	position		-					
		selector.	the state of the s	d	1				
					1	I			1

SP NO	2 101B	AIR RADAR	SERVICING PROCEDURES		A	Sec	000-5A3	F	
	42	AL 10	LIGHTNING			(1st E	dition)		
SHEET	42	AL 10		AC N	0	DA	TE		
Safety	and s	Servicing No	tes are to be complied	SERV	ICING	RECORD	- RAF F	. 298	8в
			k detailed on this car		(2)	(3)	(4)	(5
		AIR	RADAR						
26.	Roll	Programme	(Contd)						
26.1	MUM.	(Contd)							
	(c) (d) (e)	Range contr	or. Set to '9'. ol. Set to 'SWEEP'. Set to '0'. Set to 'ON'.						
26.2	HCU.			11					
20.2	(a)	Handle. Range contro	Adjust in elevation for zero indication on M2 with M2 'Read/Test' switc on 'Read'. Set fully forward						
			and adjust, if necessary, for an indication of at least 30 on M1.						
07	Q		NS TRUMENTS						
27.	Genera	al							
27.1	MRG s	imulator.	Adjust pitch control for						
			10 degrees nose down.						
ř		AIR	RADAR						
28.	Roll I	Programme							
28.1	MUM me	eter M2.	Check indication moves positive.		,				
28.2		ator. Artifical norizon bar.	Check moves upwards.						
	(b) H	Elevation marker.	Check stationary.					La P	
		NAV IN	IS TRUMENTS	Maria I					
29.	Genera	al_							
29.1	MRG si	mulator.	Reset pitch control to zero.	and.				100	
		V ₁							
	. ,	/ZZA	1		inue			لــــــــــــــــــــــــــــــــــــــ	V. Jak

CHAP SP NO	2 101B	AIR RADAR	SERVICING PROCEDURES LIGHTNING		ļ	NP1 01 B-1 00 Secti (1 st Edi	on 1		
SHEET	44	AL 10	. M. 24	AC N	0	DATE			1741
7- 6-1-	3 6			-	-	RECORD -		-	212
with t	hrough	out the wor	tes are to be complied k detailed on this card.		(2)	(3)		(4)	OWNERS OF THE PERSON
		AIF	RADAR		1.7				1
32.	Roll	Programme	(Contd)						
32.7	MUM s								
	switc	h. (Conto	(iii) Check at	1	-	1 1 2 2			
			breakaway						
			that		ania				
		K	steering dot	1					
			moves towards			77H	Party Ad	7	
			1 o'clock.						
			(iv) Release.			- 1 - V DA, 11 2			
		NAV IN	STRUMENTS						
33.	Gener	al				1.7			- 1, 1
33.1	MRG s	imulator.	Reset roll control to zero.						1, 1
			00 Ze10.					_	-
		AIR	RADAR						
34.	Exter	nal Receive	r	AC A R	774				
34.1	HCU.					Quadra -			
		Phase chang							
		trigger. Range	phase. Select 40 nm			1.18			
		selector	range.		4		- 1		
		button.				Figure 3			
34.2	Ext T	x CU	Set to 'ON' and			1.3			
	funct		ensure S-band						
	switc	h.	noise spectrum					1	
			appears at						
			indicator display.						
34.3	Noise	tester	Set to 'OFF'.		12.			-	
		c On/Off							
	switch	h.					1-7 - 15 <u>1</u> -		
			The state of the state of the state of		1				
			radine Guesia					- 1	
			The second of the				- 17. E		
								-	
			- mathematican						
			F =0						
			Add bulkanasan						
	A		State Selected of the Co.						
CMC /7	8/07/	+/23A		Cont	inue	d			0134

CHAP SP NO	2 101B	AIR RADAL	Talk 1	IG PROCEDURES		Al	01 01 B-1 00 Secti (1 st Edi	on 1		
	45	AL 10			AC NO		DATE			
SHEET					-		RECORD -			B
Safety	and S	ervicing	Notes are	to be complied		(2)	(3)		(4)	(5)
vith t	hrough		Vork detai	led on this card.	(1)	(2)	(0)			(0)
			AIR RADAR				1,20			
34.	Exter	nal Recei	ver (Cor	ntd)						
34.4	Ext R	x CU	(ii) (iii)	Rotate fully anti-clockwise and check indicator is free from noise for first 3 to 6 nm except for approx 1 nm of S-band noise at foot of display. Rotate fully clockwise and check noise level limits between 3 and 5 nm. Adjust for a						
			(111)	mean noise level of approx 2 nm.						
34.5	Reson	ator CT	(ii)	Connect to indicator unit CT 300. Connect RF input to socket F on external						
			(iii)	receiver. Set to 2979 MHz using calibration charts.						
34.6	Exter		oscil dial	t local lator tuning to give maximum ction on CT 300						
34•7	Resor	nator CT	3090 repea for 0 2820	o 2790 and MHz in turn and t Sub-item 34.6 CI frequencies of and 3120 MHz ctively.						
34.8	Exter recei	(4) (4) (4) (4) (4) (4) (4) (4)	Reset use.	to frequency in						
			la milla e mi			4	1		_	
1 1-	79/ - 3	4/24			Co	ntin	red			

CHAP	2	AIR RADAR	SERVICING PROCEDURES		A		B-1 000-5 A	1	
SP NO	1011	CONTINUED	LIGHTNING			(15	ection Edition		ri cu
SHEET	46	AL 10		AC N	0		DATE		
Safety	and	Servicing No	otes are to be complied	SERV	ICING	RECOR	RD - RAF I	. 29	88B
			k detailed on this card	Name and Address of the Party o	(2)		(3)	(4	
		OR SHALL SHA	R RADAR			77			
34.	Exte	rnal Receive	r (Contd)	63	780				
34.9	Test	er noise		(1)					
	market a positioners	Set zero control.	Adjust to zero RF Power Level on meter.						
	(b)	RF level control.	Set fully anti- clockwise.						1
	(c)	Tuning control.	Ensure set to frequency of external						
	(d)	RF Osc On/ Off switch.	receiver. Set to 'ON'.	9					
	(e)	RF level control.	Adjust to set RF Level meter indication	10)					
	(f)	Output	to Power Set mark. Set to '60dB'.						
		attentuator.	The state of the s						
	(g)	RF level meter.	Check still indicating Power Set.						
34.10	Indi	cator.	Check amplitude of largest peak of S-band	(1)	-1714			udo pr. 15	
34.11	HCII 3	2271 090	display exceeds 3 nm. (i) Select 10 nm						
74011		ctor button.	range and check S-band display						
			is removed. (ii) Select 40 nm range.	.425					
5.	Compu	ter (Azimuth				,			
5.1	Nav d	lisplay unit.	11./ 14	1114	- 1				har-
	(a)		Set to 'TAC'.	1999					
	(b)	Heading	Push in and rotate						
		selector knob.	two turns clockwise	Augs					
		KIIOD.	and ensure selected heading pointer moves						
			90 degrees clockwise.	R-500	- 1				1
5.2	Ext F	x CU.	the state of the s	mar i					
	(a)	Function	Set to 'ALIGN' lifting					-	
		switch. Indicator lamp.	knob to clear stop. Ensure lit.	index.					
			my deniedates, of the					Hite .	1
				To be desired.					
	,	4/24A			inue				

SERVICING PROCEDURES

AIR RADAR

CHAP

API 01 B-1 000-5A3 F

CHAP SP NO	2 101B	AIR RADAR	SERVICING PROCEDURES		A	P1 01 B-1 000			
		CONTINUED	LIGHTNING			(1st Edit	ion)		
SHEET	48	AL 10	7.041.091	AC N	0	DATE			
Safety	and s	Servicina No	otes are to be complied	SERV	ICING	RECORD - R	AF F.	2988	3B
			k detailed on this card.	M-G-UP-CHILD	(2)	(3)	whi.l-	(4)	(5)
			R RADAR	AT H	1 1170				
35.	Comp	uter (Azimut	th) (Contd)			book 7 show			
25 (describina						
35.6		display heading		la de la		- 20 Ap	4		10
		ctor. (Cont	d) Read May (deposit and						
			(iii) Push in and						
			rotate one turn clockwise.	la de la constante de la const					
			(iv) Check selected						
			heading pointer						
			moves 40 degrees		1.4				
			clockwise and homer marker						21,
			moves 10 degrees						
			right.						
35.7	Ext F	Exc CU	Set to 'ATTACK'.					\	
	funct	ion switch.	A Youngs						
35.8	Tndic	ator.	Check S-band display				İ		
			has been removed and						
			acquisition marker						
			has reappeared.	() I					
35.9	Ext F		Set to 'OFF'.						
	funct	ion switch.							
35.10	Teste	r noise	1 1100 2 2 200		, "				
	S-ban	d.	The second of th						
		RAF Osc)					ĺ	1	
		On/Off) switch.	Set to 'OFF'.						
		Main On/)		a .					
		Off)							
		switch.) Ext Rx CU)			1				
		,		1 - 1					
36.	Exter	nal Receive	r Tuning Operational	1/1					
	neadl	ness (GCI F	requency)				1		
36.1	GCI f	requency.	Obtain.						
36.2	AI 23	0	(:)	14,5			(+)		
0.2	BI 23		(i) Ensure fully run up.	bell					1 _
			(ii) Select search						
			phase. (iii) Select 40 nm						
			range.	47			je nek		n.
			was I Law Person				1-11		
36.3	Exter	nal ver CU.	Set to 'ON'.						
	1 0001	A Q T O O 9	tarding harbons	44					
			Wa (Phathail						
MS/78	1074	1/25A	C-U	Cont	inue	d		T LO	Iday i

CHAP	2	AIR RADAR	SERVICING PROCEDURES	4 24	A		-1000 <u>-</u> 5 ection			
SP NO	101B	CONTINUED	LIGHTNING			(1st	Editio	on)		
SHEET	49	AL 10		AC NO			DATE	• • • • •		
Safety	and	Servicing Not	tes are to be complied	SERVI	CING	RECOR	D - RA	F.	2988	3B
			detailed on this card.	(1)	(2)		(3)		(4)	(5
		The state of the s	RADAR							
36.			r Tuning Operational requency) (Contd)	Line						
36.4	Resort 3	nator 07.	Set to 30 MHz below given GCI frequency using calibration charts.	N						1
36.5		rnal iver.	Adjust local oscillator tuning dial to give maximum deflection on CT 300 meter.		V. Standard vice and the standard vice and t					
36.6	Exte rece	rnal iver CU.	Set to 'OFF'.		2					
37.	Addi	tional Facil	ites Mode							
37.1	MUM. (a) (b)	Test pulse switch.	Set to 'OFF'.							
	(c)	Range lock switch. Comp track switch	Set to 'ON'.				•			
	(e)	Test selector.	Set to '7'.			-				
	(f)	Aerial position selector.	Set to "1".							
	(g)	Aerial control.	Set to 'NORMAL'.							
	(h)	control.	Set to 'MANUAL'.					ar.		
	(j) (k)	Test position	Operate.							
		switch.							te.	
37.2	HCU.	Range	Select 10 nm.							
	(b)	switch. Range control.	Set target marker to 5 nm.	148		1				
	(c) (d)	PRF switch.								

CHAP SP NO	2 1011	AIR RADAR CONTINUED	SERVICING PROCEDURES	-rus	A	P1 01 B-1 000-5 Section		
	+	-	LIGHTNING	-		(1st Editio	n)	
SHEET	50	AL 10		-	-	DATE		h
Safety	and	Servicing N	otes are to be complied	SERV		RECORD - RAF	F. 2988B	3
with t	hroug		rk detailed on this card.	(1)	(2)	(3)	(4)	(5)
		AIF	RADAR	Dr. Ar	127			
37.	Addi	tional Facil	ites Mode (Contd)					
37.2	HCU.	(Contd)						
	(e)	Additional facilities switch.	Select 'ON'.				NO.	
37.3	, .	eator. Acquisition marker.	Check azimuth sweep is PLUS OR MINUS 25 degrees.	197A. 197A. 197A.)				
	(b)	Elevation marker.	Ensure single bar only scan for all					
			positions of the HCU scan bar switch.				an giller in an	
37.4		Azimuth	Centralize.	-74			nik di	
	(b)	control. Reject level.	Reject inwards.(Rear).		Ma			
87.5	Indic	ator.	Ensure that an enlarged time circle with no gap is present.		7 0 an			
		Test	Set to '8'.	and the second s	6.71			
	4 6	selector. Meter M1.	Check indicates 52 PLUS OR MINUS 2.	mô so				
	HCU a contr	zimuth	(i) Adjust carefully to ensure M2 will read positive and negative	H-1				
			deflections. (ii) Adjust carefully to set M2 to zero with M2 'Read/Test' switch on 'Read'.	100		des tal		The state of the s
7.8	MUM.		com Ol root	NG.				
	(a) 1	est elector.	Set to '9'.					-
			, Mondaya, on t		ion di	MATERIAL AND AND AND AND AND AND AND AND AND AND		-
		4/26A					O Confrago	-

SHET 51 AL 10 Safety and Servicing Notes are to be complied with throughout the work detailed on this card. ATR RADAR 37. Additional Facilities Mode (Contd) 37.8 MUM (Contd). (b) Meter M2. Using HCU elevation control set to zero with M2 "Read/Test" switch on "Read". 37.9 Indicator clevation marker. 37.10 MUM. (a) Meter M2. (i) Check reading mimus 43 PUJS OR MIMUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to "10". 37.11 Indicator comp Set to "2". 37.12 MUM range control. 37.13 HCU range. Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone switch. (b) Comp track switch "ON". Switch "OFF". Switch "ORF". (c) Comp track Switch "OR".	CHAP SP NO	2 101B	AIR RADAR	SERVICING PROCEDURES LIGHTNING			AP	Se	ction	5A3 E	•		
afety and Servicing Notes are to be complied with throughout the work detailed on this card. ATR RADAR 37. Additional Facilities Mode (Contd) 37.8 MUM (Contd). (b) Meter M2. Using HCU elevation control set to zero with M2 'Read/Test' switch on 'Read'. 37.9 Indicator Check between plus 1 and plus 5 degrees. 37.10 MUM. (a) Meter M2. (i) Check reading minus 48 PUJS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. 37.11 Indicator comp Set to '2'. switch. 37.12 MUM range control. 37.13 HCU range Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone switch. (b) Comp track Switch 'ON'. Switch 'OFF'. Switch 'OFF'. Switch 'OR'S Witch 'OR'. (c) Comp track Switch 'OR'. Ensure lit. Check indicating 58 PUJS OR MINUS 7. (e) Comp track Switch 'OR'.			17.5 (8.4 (19.17)		-	NO							
AIR RADAR 37. Additional Facilities Mode (Contd) 37.8 MUM (Contd). (b) Meter M2. Using HCU elevation control set to zero with M2 'Read/Pest' switch on 'Read'. 37.9 Indicator Check between plus 1 elevation marker. 37.10 MUM. (a) Meter M2. (i) Check reading minus 48 PIUS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. 37.11 Indicator comp Set to '2'. 37.12 MUM range Set to 'SWEEP'. 37.13 HCU range Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone switch. (b) Comp track Switch 'ON'. (c) Front Lamp (d) Meter M1. Ensure lit. (d) Meter M1. Check indicating 58 PIUS OR MINUS 7. (e) Comp track Switch 'ON'.					1000								
ATR RADAR 37. Additional Facilities Mode (Contd) 37.8 MUM (Contd). (b) Meter M2. Using HCU elevation control set to zero with M2 'Read/Test' switch on 'Read'. 37.9 Indicator Check between plus 1 elevation marker. 37.10 MUM. (a) Meter M2. (i) Check reading minus 43 PUJS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. 37.11 Indicator comp Set to '2'. switch. 37.12 MUM range Set to 'SWEEP'. control. 37.13 HCU range Set to innimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch 'ON'. (b) Comp track Switch 'ON'. Check indicating 58 PUJS OR MINUS 7. (e) Comp track Switch 'ON'.	afety	and S	Servicing Not	tes are to be complied	(-)		-	ELUNI		AF F.		(5	
37. Additional Facilities Mode (Contd) 37.8 MUM (Contd). (b) Meter M2. Using HCU elevation control set to zero with M2 'Read/Test' switch on 'Read'. 37.9 Indicator elevation and plus 5 degrees. 37.10 MUM. (a) Meter M2. (i) Check reading minus 48 PLUS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. 37.11 Indicator comp Set to '2'. switch. 37.12 MUM range Set to 'SWEEP'. control. 37.13 HCU range Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch 'ON'. (b) Comp track Switch 'ON'. (c) Front lamp (d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.	with the	hrough	The second secon		d. (1)	10	4	nody/S	(3)		(4)	13	
(b) Meter M2. Using HCU elevation control set to zero with M2 'Read/Test' switch on 'Read'. 37.9 Indicator elevation marker. 37.10 MUM. (a) Meter M2. (i) Check reading minus 48 PLUS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test selector. 37.11 Indicator comp set to '2'. 37.12 MUM range control. 37.13 HCU range Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone switch. (b) Comp track switch 'ON'. (c) Front lamp d Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.	37.	Addi											
control set to zero with M2 'Read/Test' switch on 'Read'. 37.9 Indicator elevation marker. 37.10 MUM. (a) Meter M2. (i) Check reading minus 48 PIUS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test selector. 37.11 Indicator comp switch. 37.12 MUM range control. 37.13 HCU range Set to 'SWEEP'. 37.14 MUM. (a) Red come switch. (b) Comp track switch 'ON'. (c) Front lamp d Meter M1. (d) Meter M1. Check indicating 58 PIUS OR MINUS 7. (e) Comp track Switch 'ON'.	37.8	MUM	(Contd).										
switch on 'Resd'. 37.9 Indicator elevation marker. 37.10 MUM. (a) Meter M2. (i) Check reading minus 48 PLUS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test selector. 37.11 Indicator comp switch. 37.12 MUM range control. 37.13 HCU range Set to 'SWEEP'. 37.14 MUM. (a) Red cone switch. (b) Comp track switch 'ON'. (c) Front lamp (d) Meter M1. (ii) Check reading minus 48 PLUS OR MINUS 7. Switch 'OFF'. Switch 'OFF'. Switch 'OFF'. Switch 'ON'. (b) Comp track Switch 'OFF'. Switch 'ON'. (c) Comp track Switch 'ON'. Switch 'ON'.		(b)	Meter M2.	control set to zero									
elevation marker. 37.10 MUM. (a) Meter M2. (i) Check reading minus 48 PLUS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. 37.11 Indicator comp Set to '2'. 37.12 MUM range control. 37.13 HCU range Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch 'ON'. (b) Comp track Switch 'OFF'. Switch 'OFF'. Switch 'OFF'. Ensure lit. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.								a o x					
(a) Meter M2. (i) Check reading minus 48 PLUS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. 37.11 Indicator comp Set to '2'. 37.12 MUM range Set to 'SWEEP'. control. 37.13 HCU range. Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone switch. (b) Comp track switch 'OFF'. switch. (c) Front lamp (d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.	37.9	eleva	ation			V I							
(a) Meter M2. (i) Check reading minus 48 PIUS OR MINUS 2 with HCU elevation control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. selector. 37.11 Indicator comp Set to '2'. switch. 37.12 MUM range Set to "SWEEP". control. 37.13 HCU range. Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch 'ON'. switch. (b) Comp track Switch 'OFF'. switch. (c) Front lamp (d) Meter M1. Check indicating 58 PIUS OR MINUS 7. (e) Comp track Switch 'ON'.	37.10	MUM.											
control fully forward. (ii) Check reading full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. 37.11 Indicator comp Set to '2'. 37.12 MUM range Set to 'SWEEP'. control. 37.13 HCU range Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch 'ON'. switch. (b) Comp track Switch 'OFF'. switch. (c) Front lamp (a) Meter M1. Check indicating 58 PIUS OR MINUS 7. (e) Comp track Switch 'ON'.			Meter M2.	minus 48 PLUS									
full scale deflection with backward movement of HCU elevation control. (b) Test Set to '10'. selector. 37.11 Indicator comp Set to '2'. switch. 37.12 MUM range Set to 'SWEEP'. control. 37.13 HCU range Set to minimum and control. wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch 'ON'. switch. (b) Comp track Switch 'OFF'. switch. (c) Front lamp Ensure lit. (d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.				control fully									
movement of HCU elevation control. (b) Test				full scale deflection wi									
selector. 37.11 Indicator comp Set to '2'. switch. 37.12 MUM range Set to 'SWEEP'. control. 37.13 HCU range Set to minimum and wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch 'ON'. switch. (b) Comp track Switch 'OFF'. switch. (c) Front lamp Ensure lit. (d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.				movement of Helevation	CU								
switch. 37.12 MUM range		(b)		Set to 110%.									
control. 37.13 HCU range Set to minimum and control. wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch ON. (b) Comp track Switch OFF. switch. (c) Front lamp Ensure lit. (d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch ON.	37.11			Set to '2'.									
control. wait for M1 to stabilize. 37.14 MUM. (a) Red cone Switch 'ON'. switch. (b) Comp track Switch 'OFF'. switch. (c) Front lamp Ensure lit. (d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.	37.12			Set to 'SWEEP'.				10					
(a) Red cone Switch 'ON'. switch. (b) Comp track Switch 'OFF'. switch. (c) Front lamp Ensure lit. (d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.	37.13	-		wait for M1 to									
switch. (c) Front lamp Ensure lit. (d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.	37.12		Red cone	Switch ON.									
(d) Meter M1. Check indicating 58 PLUS OR MINUS 7. (e) Comp track Switch 'ON'.		(b)				nt'			1.50			-	
		(d)	Meter M1.	Check indicating 58 PLUS OR MINUS 7.		nia.		,=0					
switch. (f) Rear lamp. Ensure lit.			switch.										
		(1)	roor romb.										

	2	AIR RADAR	SERVICING PROCEDURES	aries,	API 01 B-1 000-5A3 F						
SP NO	+	CONTINUED	LIGHTNING	hije				Section t Editi	1		
SHEET	52	700	th of	AC NO DATE							
afet	y and	Servicing N	otes are to be complied	SE				RD - RA			3B
rith	through	nout the wo	rk detailed on this car	a. (1)]	(2)	1	(3)		(4)	(5
37.15 37.15 37.16 37.18	Additation 4 MUM. (g) (h) (j) HCU r lever MUM 1 warning HCU r lever MUM 1 warning	(Contd) Meter M1. Test selector. Meter M1. eject annch ng lamp. eject	Check indicating 58 PLUS OR MINUS 7. Set to 111. Check indicating 30 PLUS OR MINUS 4. Push forward. Ensure lit. Release. Ensure extinguished.	a. (1							
	buttor MUM la	1.	Ensure lit.								
	buttor		Release.								
7.22	MUM la warnin	unch g lamp.	Ensure extinguished.								
	switch	tor comp	Set to 44.					1			
7•24		est elector.	Set to '10'.								
	(ъ) м	eter M1.	Check reading 80 PLUS OR MINUS 8.							b	
		T switch.	Select 'LFS'.								
	HCU re lever.		Reject inwards.								
	LFS in lamp.	range	Ensure lit.			Lines		steill Little			
		27A		1		1			1		

CHAP	2	AIR RADAR	SERV I	CING PROCEDURES	API 01 B-1 000-5A3F							
SP NO	101B	Gent Inocis	L	IGHTNING SOUTH	Section ((1st Edition)							
SHEET	54	AL 10				0	D	ATE				
afety	and	Servicing N	Notes ar	e to be complied	_	-	-	- RAF F		-		
vith t	hroug	hout the wo	ork deta	ailed on this card	. (1)	(2)		(3)	(4	THE RESERVE OF THE PERSON NAMED IN		
			R RADAR		914	9 9"			T	T		
39.	Cont	rol Unit Re	check	(Contd)								
39.5	HCU.	(Contd)			100							
			(iii	Park handle in fully aft, fully port position, ensuring clutch engages.	ipa den		Oga m omann o rug					
10.	Item aircr	40 is applicaft.	icable d	only to Mk 5	energy Throne				da .	a de		
	Stark	oard HCU Ch	neck		or weat	213						
10.1	Pupil instr switc	uctor	Set t	o 'INSTRUCTOR'.	4 4 4 8 1							
0.2		Phase change trigger.	Selec	t 'SEARCH'.	200	15/42				, is a		
	(b)	Range selector.	Selec	t 40 nm range.	ETA I					1.50		
	(c)	Handle.	(i)	Move inboard and outbaord and ensure acquisition marker follows.	cari. Cala							
			(ii)	Move backwards and forwards and ensure elevation marker	nad rud rud	ala e	On Ap					
			(iii)	follows: Adjust to						291		
				position elevation marker at plus 5 degrees and azimuth at				of replacement		7 G.		
		Multi-bar scan switch.	(i)	zero degrees. Select 2 and 4 bar scan and ensure								
			(ii)	elevation marker shows appropriate scan pattern. Set to single	2)							
			(11)	bar scan.								
	سليلا	غيد به البياسيسية										
0 /78 /	071	1/284	1155		Cont:	nuec	State of the		V STOCK			

CHAP SP NO	2 101B	AIR RADAR CONTINUED		IG PROCEDURES		A		000-5A3 I tion dition)	7		
SHEET	55	AL 11			AC NO DATE						
alikani ana mara		Garatalaa No	+00.000	to be complied	SERV	CING	RECORD	- RAF F.	2988	В	
safety	hroug	servicing No	k detai	to be complied led on this card.	(1)	(2)		3)	(4)		
VI CII C	ni oug.		RADAR		1,712,7		AND THE		T		
									1		
40.	Star	board HCU Ch	eck (Co	ontd)	B)		11,25				
40.2	HCU.	(Contd)								776	
	(e)	Range selector.	(i)	Select 60 80nm range and ensure 60 80nm scale is illuminated. Select 10 nm							
				range and ensure 10 nm scale is illuminated.							
			(iii)	Select 40 nm range and ensure 40 nm scale is illuminated.						-	
	(f)	Gain control.	(i)	Operate and ensure that noise level on							
				indicator/s varies evenly from minimum to maximum.		,					
			(ii)	Reset to optimum noise peaks just visible.							
	(g)	Tx On/Off switch.	Set to	ON.							
40.3	MUM.	Test	Set to	31.							
	(b)	selector. Meter M1.	Check	indicating not							
	(c)	Range control.		than 16.		THE ST					
40.4	HCU.	Tx On/Off	Set to	OFF.							
	(b)	Phase change trigger.	Selec	t 'ACQUISITION'.	nii oo						
SMS /7	8/219	/5			Con	tinu	ed		H. 171.00		

SP NO	2 101B	AIR RADAR	SERVICING PROCEDURES	API 01 B-1 000-5A3 F Section 1							
	F/		LIGHTNING	(Ist Edition)					7.0		
SHEET	56	AL 10		AC NO DATE							
Safet	y and	Servicing No	tes are to be complied	SERV			- RAF		-		
WI CII	chrough		k detailed on this card.	(1)	(2)	-	(3)	(1	(5		
		AIR	RADAR								
40.	Star	board HCU Ch	eck (Contd)	West							
40.4	HCU.	(Contd)				to differ			امل		
	(d) (e)	Range control. Range selector.	Operate and ensure that acquisition marker can be moved between top and bottom limits of display. Select 10 nm range.								
	(e)	Vis-ident switch.	Set to 'ON'.		7						
		Phase change trigger.	and ensure vis-ident lamp flashes.								
		Vis-ident switch.	(ii) Select 'SEARCH'. Set to 'OFF'.			rių Liety					
		Handle.	Park fully aft and fully starboard ensuring clutch engages.								
		ELECTRIC	AL					+-			
41.	Compl	etion				α					
41.1	Pitot	/Static ures.	Restore to atmospheric.								
41.2	Pitot, test	/Static set.	(i) Disconnect. (ii) Remove.	or ,					4.0)		
	THE STATE OF THE S	NAV INSTR	UMENIS								
42.	Comple	etion									
42.1	MRG si	imulator.	(i) Disconnect. (ii) Remove.						A A		
12.2	Electiunit.	ronic	Refit aircraft connections.	K							
									Y-00-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
SMS/	78/219	/3A	all the state of t	Conti	nue	1		ENE L	7		

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CHAP	2	AIR RADAR	SERVICING PROCEDURES	L auga	ΔP	101B –1 000		ק	
SP NO	101B	CONTINUED	LIGHTNING			Secti	on 1	wit.	
SHEET	58	AL 10		AC	- 30 PV - U	(1st Edit			2 114
Safety a	and Ser	vicing Notes are to be	complied with throughout			RECORD -			
the worl	k detai	led on this card.		(1)	(2)	(3)		(4)	
MUN TEST	(a) <u>T</u>	AL POSITION AND TE est Selector Funct METER M1	ST SELECTOR FUNCTIONS ions METER M2			i os m			
SELECT		•	METER M2						
1		HT	No indication	12.00	(compa				
2		Crystal current	No indication						
3		Tx power	No indication		1				
4		GCV	Radar error (Ax or El as appropriate to Aerial Position selected).						
5		Range (0 - 3.75 nm)	Phase balance.						
6		Range (0 - 10 nm)	FS yaw						
7		Range	FS pitch					- 0	
8		(0 - 10 nm). Range (0 - 10 nm).	Az slaving signal						
9	-	Range (0 - 10 nm).	El slaving signal						
10		RT K factor	No indication						
11		RT altitude factor	No indication						
12		No indication	Steering error yaw.						
13		No indication	Steering error pitch.						
									1
			**	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
					X				
s/73/2	219/4A			Contin	nued	PATRICK!	PT HIE		-

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CHAP	2	AIR RADAR	SERVICING PROCEDURES		AP101B-1000-5A3 F Section 1							
IP NO	101B	CONTINUED	LICHTNING				(1st Edition)					
HEET	59	AL 10			AC NO DATE							
afety	and Se	rvicing Notes are	to be complied with throughout	-	-		RECORD - RAF		-			
he wo	rk deta	iled on this card.		(1)	(2)	(3)	(4)	(5			
	M AERI	IAL POSITION AND	D TEST SELECTOR FUNCTIONS Selector Functions AERIAL POSITION 0 0 0.5 Starboard 0.5 Port 0.5 Up 0.5 Down 7.5 Starboard 7.5 Port 7.5 Up 7.5 Down		1)	(2)	(3)	(4)	(5			

