CHAP	2	SP	101A	SER	VICI	NG PROC	EDURE	S		AF	0.101B-1000 Section		F			F	
TRADE		AIR	RADAR		LI	GHTNING					(1st Edi					ACT	
HEET	1	of 61	SHEET/S			3		5 6	AL 1	10 1	3 DATE				TIME	+	
TITLE		AI MK	23D Ins	tallati	on	- Tes	t				ICING RECO				T	- Andrews	
					-				-	_	DA	re .	_	1/5)		EST	
		ervicing No		be compl	ied	with th	rough	out	(1)	(2)	(3) BRIEF DET	TATIO	(4)	(5)		4	-
		ailed on th				***************************************			HOURS	CAN	OF DEFECT		B NO	23			
pecial	Tool	s and Equip	ment						HOI	TRADESMAN	SUSPECTE)	720B	N.C.O. INITIALS	opposite a superior a		
Test	Set	Type MRG	Simula	tor, 60	/41	99461	•		MAN	TE	DEFECT		E	N. (Carried Street	de parreciale	
		M Nose T Stop.	ype 641	4.												No. of Concession, Name of Street, or other Persons, Name of Street, Name of S	
Wave	guide	Resonat														Company agents	
		Air Cooli It Monito	0													and the same of th	
		ise 6625			•	- 1									No. of Contrasts	and the same	
		CT307.	Cat Ma	Z	٠.										opposition	Orderson or other party or other par	
		atic Test CT300.	Det rik	J•									- Contraction		The state of the s		
الدول المناسبة المناسبة									-			ocurrency.	-	+-		- Department	
			AIR	RADAR					1							and the same of	
1.	Pre	paration												0		CARDS	
1.1		VA power)														
	uni)			ect to		rcraft	-					DOCUMENT OF THE PERSON OF THE	ar Address	PROCEDURE	
1.2		ling air lley)	(ii) S	wit	ch '01	Ma.						n n		accreation.	PROC	
1.3		nose		Fit and	Se	cure	to r	adar			OC PARTIES TO SERVICE						
. • 2		een.		bullet					3.						OCCUPATION OF THE PERSON OF TH	ASSOCIATED	
1.4	Tes	ter noise	9												The same of	ASS	
	S-ba		. +	Connoct	+-	i 20 20 11 1	+ 20	also+							Design Trees	E STATE OF THE STA	
	(a)	RF outpu		Connect of RAM		-		cket							Part of the Part o	Appendix of the last of the la	
	(b)	Mains in		Connect											Water State	Decoration of	
				cablefo set har			dar	test							Address Chicago	DATE STORES	
	Sub	-item 1.5					Mk	F3							Sales Supply	BACK-SPIZE SAID	
		6 aircra					an and At	- 0							-		
1.5		er Unit							and the same of th				No.	Control of the Contro	Barte Spinister	S	Manager
		itoring (Mounting		Securel	TT -	++==	+0	cont-					attended to		characterist	TRADES	
	(d)	clamp.		of hori					9				KCTT/ABBROOM				to
	(2)			rear of				,					Metapholisma		Oly designation	ASSOCIATED	
	(b)	Support bars.		Remove	lld	and	exte	na.					- COORDOO		en and the same	880(
	(c)	Meter un	nit.	Fit to											MAT ATTENDED	A	
				ensurin are sec											The Part of the Part of		
				with sl													_
										8	- According to					NO	
		*									Control					SP N	
SMS /	70/	12 3	-							Con	tinued				7		

3MS 17

CHAP	2	AIR RADAR	SERVICING PROCEDURES				-1000- on 1 ition)		
SP NO	101A	CONTINUED	LIGHTNING		- The second second	CONTRACTOR OF THE PARTY.	****		
SHEET	2	AL 13	MANUSCO CONTRACTOR OF THE STATE				DATE		• • •
			otes are to be complied rk detailed on this card.		(2)	CORD	- F.	29831	NAME OF TAXABLE PARTY.
		Α:	IR RADAR		1		(3)	1	
1.	Prepa	ration (Con	td)		delication			1	
	Total Contract Contracts	tem 1.6 is a	applicable only to Mk T5						
1.6	MUM m	eter unit.	Place on starboard seat.						
	s c		Set clip to appropriate notch for aircraft concerned and attach to port edge of cockpit ensuring rubber pad on junction box rests against aircraft skin. (i) Disconnect hand controller and connect 6-way free socket to cableform 6-way plug. (ii) Connect cableform 6-way socket to controller plug. (iii) Connect remaining cableforms to appropriate test points.						
		NATA	INSTRUMENTS	учески поднавления		e-co-sequences	serie Arquinite at la princip	-	
2.	Dnone	ration	THOTHOLITATIO						EL-L'ACTRACIA DE PROPERTIES DE L'ACTRACIA DE
2.1		imulator.	(i) Connect in place of MRG. (ii) Set pitch, roll and azimuth controls to zero.		Challenge description on the state of the st				Approximation of the state of t
		A	IR RADAR					And with the sales of the	
3.	Prepa	ration		// * 20					Meeting design
3.1	S-ban (a) T (b) M (c) R	uning ontrol. ain Cn/Off witch.	Set to frequency of external receiver.) Set to 'ON'.) Note: Indication lighs f) will only illuminate) after 4 minutes radar run up.	ll, see in "					EXPONENTIAL VALUE VA
ava /	79/	1.34			Cont	inuac	3		Accommence

CHAP SP NO	2 101A	AIR RADAR	SERVICING PROCEDURES LIGHTNING				-1000- on 1 ition		
SHEET	3	AL 13		AC	who all the same of the same of	***************************************	DATE		
			Istas and to be complied				- F.		
			Notes are to be complied rk detailed on this card			SCORD	(3)	(4	denoviore-resident
W. W. P. W.			umperiorite de la companya esta de la companya	1	1 2		(3)	7	1
		A	IR RADAR						The state of the s
3.	Prepai	ration (Con	td).					NILL STATE OF THE	
	Sub-it		applicable only to Mk T5						
	Pupil,		Set to 'PUPIL'.						Account and property and proper
	Instru master	ument s switch.	Set to 'ON'.						
	MRG Or switch	•	Set to 'ON'.					Property Company of the Company of t	A STATE OF S
		imulator 'F' light.	(i) Depress.(ii) Release.(iii) Ensure lamp lit.						American de des de la companya de la
	LFS/CE switch		Set to 'LFS'.						
		armament	Set to 'GW'.						
	(HCU). (a) Gi		Set to 'GROUND TEST'.						of Page Page 2 And Indian Indian Control
	(b) To	c On/Off	Switch 'ON'.		West Spirit Spirit				To a second designation of
	(c) V:	is-ident witch	Set to 'OFF'.						
	fa	Iditional acilities witch.)) Set to 'NORMAL'.		and income after a first and an arrangement				
3.9		RF switch	Ensure fitted.						AA-HEERING TO THE THE TO THE T
50 2		Run Up	THEATE ITUGE.						
	+: .	ain On/Off	Set to 'ON' and						
	switch		simultaneously start stopwatch.		ACTION PERSONAL PROPERTY.			Committee on Advanced	
	(a) A: E: a: A:	ator/s. zimuth levation nd ttitude	Ensure lit.			werks do. Little Confidence of Confedence allocated to species			
	(b) Po	cale lamps. claroid immer.	Ensure smooth operation		SECULO SE	Audio Militarios aportos de la companio della companio de la companio de la companio della compa			
SMS/7	9/	4			Cont	inue	i		and diameters.

MS 17A

CHAP SP NO	+	SERVICING PROCEDURES LIGHTNING				-1000- on 1 ition)		
SHEET	4 AL 13		AC		-	DATE		
Safet	v and Servicing	Notes are to be complied	SEI	RV RE	CORD	- F.	29831	R
		ork detailed on this card		(2)		(3)	(4	Bridge
	nerth eil dir de en eile eile eile eile eile seine de eile seine de eile eile eile eile eile eile eile	AIR RADAR	1	_/		()		
J		AIR RADAR						
4.3	MUM. (a) Test	Set to '4'.						
	selector.				L 17			
	(b) Meter M1 (0-100).)) Check mechanical		- A				
	(c) Meter M2) zeros.						
	(50-0-50).)						
	(d) Red cone)						
	switch. (e) Test pulse	Set to 'OFF'.						-
	switch.	j						
		col.Set to 'NORMAL'.						
		Set to 'OFF'. Set to 'MAN'.	Carried States					- Committee
		. Set to 'MAIN'.					and and a	
	(j) Aerial position)	The state of the s					ACIVING A
	selector.) Set to '1'.	age of the same					The second second
	(k) Test selector.)						Circumstration
	(1) Elevation	Set to 'O'.	Company					DANKE DANKE DANKE
	control.							Total Control
	(m) Range lock switch.	Set to 'ON'.						Menchanist
	(n) Range track	Set to 'OFF'.						Of Employment St.
	switch. (p) Azimuth	Set to 'O'.						and the same of th
	control.	Sec to o.	Approximate and the second					0.00
	(q) Comp track	Set to 'OFF'.					C P	
	switch. (r) Monitor lam	o. Ensure lights after						NAT TO SERVICE STATE OF THE SE
		4 minutes PLUS OR					a la company de	STATE OF THE PARTY
		MINUS 20 seconds of switching on HCU						ptinodotia
		main On/Off switch.						7
NB		to be carried out within	1					000000000000000000000000000000000000000
	approximately 30 to 4.7 inclusive	D seconds of Sub-item 4.4						
4.4	HCU range	Select 60/80 mm						
	selector button.							-
4.5	Indicator/s	Ensure 60/80 and 10 mm	n				and project to the same	designation of the second
	range scales.							The state of the s
4.6	HCU range selector button	Select 40 nm range.	Constitution of the Consti				on the same	
	2020001 5400011				-		DATE OF THE PERSON NAMED IN COLUMN NAMED IN CO	Art Times of
							Constitution	XDiaglic and a second
							ala-ca-cala	-
CMG /	79/ 4A		-		inued			

CHAP	2	AIR RADAR		ING PROCEDURES				-1000- n 1 tion)		
P NO	101A	CONTINUED	LIC	GHTNING		(1s	t Edi	tion)		
HEET	5	AL 13			AC	NO		DATE		
afety	and S	Servicing Not	es are	to be complied	SEF	RV RE	CORD	- F.	2985	B
rith t	hrough	nout the work	detail	led on this card.	(1)	(2)		(3)	(/	1) (
		AIR	RADAR							
4.	Power	Run Up (Cont	d)						İ	
4.7	Indica	ator/s.			1					and the same of th
		ange scales.	scales	e 40 and 10 nm silluminated.	1.4	,				24.55
		omputor	(i)	Ensure						
	SI	witch.	(ii)	illuminated. Set to '1'.	-					
1. 0	T 770									
4.8	LFS.			Raise reflector. Ensure RH event		OR ASSESSMENT OF THE PROPERTY				
				marker is displayed.		The state of the s				
4.9	MUM mo	onitor		e extinguishes						
	lamp.			4 minutes						and the same
				conds PLUS OR 25 seconds of						- Martineson
				ning on HCU main						4
			On/Off	switch.		distribution of the state of th				0
4.10	LFS.			e RH marker has peared.						OUD-LOS EPIT TO WAS TABLED
4.11	MUM.									
		eter M1.		indicating US OR MINUS 4.	Į.	The state of the s				Algentative advanta
			currer	12'. (Xtal nt).					and the same of th	Tanganie,
	(c) M	eter M1.	(i)	Check needle sweeping at						STORES OF STORES
			(ii)	approx 1 Hz. Ensure sweep						
			(11)	ceases after						-
				approx					1	
				1/2 minute and meter indicates					The second	distant.
				between 20 and						
				80.					describitions.	Comme
			(iii)	Note indication.						
4.12	HCU T	x On/Off	Set to	O'OFF'.	7.					A CHARLES AND A
4.13	MUM m	eter M1.		indication has Ltered by more					No. of the Control of	december 400
	1		than '	10 per cent from					- Participation of the Partici	
				noted in Sub-item (c) Operation						
5•	Trans	mitter Power	-11			1			The Authorities of the Authoriti	And the spilled and the spirite and the spirit
5.1	LFS/C	RT	Set to	CRT'.					The second second	
	switc	n.								
		175	,			Cont		Management from the		

INS 17A

CHAP SP NO	-			ING PROCEDURES				-1000- on 1 ition)		
SHEET	6	AL 13			AC	-	-	DATE	VALUE OF THE PARTY	
Safet	y and S	Servicing Note	are are	to be complied				- F.		
				led on this card.	(1)	Company and Allert State	OOLD	(3)	(4)	Description of the last
Positivo de la companya de la compa	A CONTRACTOR OF THE CONTRACTOR		RADAR		1	,		(3)	1	
5.		nitter Power (Dutput	and PRF						
5.2		est position	Opera	ate.						
	(c) E	Cest selector. Balance control.	Adjus	to '3' (Tx power) st for zero cation on M1.						
5.3	HCU Tx	On/Off	Set t	O'ON'.	Potentin niverally condo					
5.4	MUM me	ter M1.	(i) (ii)	Check indicating not less than 16. Note reading.						THE SQUARE TO COMMENT WHICH SQUARES AND A SQ
5.5	HCU.	RF switch.	(i)	Set to 'LOW' and check MUM meter M1 falls by approx 25 per cent of the reading obtained at Sub-item						marky. Actors streammake, alt for constructional splandock solvers actors.
		x On/Off witch.	(ii) Switc	5.4 (ii). Reset to normal h 'OFF'.			ē		and the second s	
6.	Indica	tor Weapon La	mps		i.		100		The court	
6.1	MUM P/ weapon	S switch.	Set t	o 'P WEAPON'.		A				O-GF-grades
6.2	Incica W lamp	tor port	Ensur	e lit.						
6.3	MUM P/ weapon	S switch.	Set t	o 'S WEAPON'.						
6.4	Indica starbo lamp.		Ensur	e lit.					A CONTRACTOR OF THE CONTRACTOR	
6.5	MUM P/weapon	Switch.	Relea	se.						
7.	Search	Phase								
	HCU.	hase change	Selec	t search phase.		i Adalah				Comment of the Commen
	t:	rigger.								

IMS 17A

SMS 17A

CHAP	2	AIR RADAR	SERVICING PRO					1000- n 1 tion		
SP NO	101A		LIGHTNING	1		NAME OF TAXABLE PARTY.	date at the same of the	-)	
SHEET	9	AL 13			A 1 3			DATE		
			tes are to be k detailed on		and the state of the state of		CORD		2983	dy annichment
VI GII	nroug	gnout the wor	k detailed on	unis caru	(1)	(2)	D0-05-00-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	(3)	(4) (5
		AI	R RADAR			0000				-
8.	Acqui	sition Phase	(Contd)			100				
8.2		cator. (Cont	d)							a) The same of the
	(c)	Acquisition marker. (Co	ntd)							1
		mornor. (oc	11 1 21	ate HCU						
			hand	le slowly						
				ensure er and scan					and the same of	
			follo	ows						
			corre (vii) Centi	ectly.						
			marke						OTHER DESIGNATION OF THE PERSON OF THE PERSO	
9.	Test	Phase				J.				
		Tildbe							-	
9.1	MUM (a)	Test positio	n Operate						1	- Constitution
		switch.	operace.						The state of the s	
	(b)	Test selector.	Set to '4'.						0	
		serector.	Dec to 4	•					-	-
9.2		cator/s. Markers	Charle follo	a video es						Company and
	(a)	Markers	Check follo							
				ring dot.						į
				circle. et marker.						-
		* 1 *	(A c	ircle					Description of the second	
			appro dia).	ox 5 mm in						- Addition
	(b)	Timebase	Ensure col							description
	(c)	scan. Time circle.	a single la (i) C heck	ne. K diameter						MCINECESSION OF
			is a	pprox 80						acadamica a
				ees azimuth. K gap is			1			and Common Common
			posi	tioned						Dr. Weels design
				een 4 and 5 ock and		257111111111111111111111111111111111111			Ì	O STATE OF THE STA
			appro	ox 15		rethybacherin				ACUITO LINE
			degre width	es in						and controlled
							1			
10.	Adjus	stment of Gra	ticule	*						and the same of th
10.1			0.2			and the same of th			-	C. Carrier and C. Car
	(a)	Range select: button.	on Select '16	onm'.'.						
	(b)	Vis-Ident	Select to	ON'.			11 6		ANGESTANIA .	-
	(c)	switch. Phase change	Select 'S	EARCH '						
	, , ,	trigger.	phase.							

SMS 17.4

CHAP P NO	2 101A	AIR RADAR CONTINUED		NG PROCEDURES HTNING				-1000- on 1 ition)		
HEET	10	AL 13			AC	-	-	DATE	-	
			integ are	to be complied	SER	V RE	CORD	- F.	29831	3
with t	hroug	ghout the wo	rk detail	ed on this card.		(2)		(3)	(4)	-
					` ′					
		A	IR RADAR							
10.	Adjus	stment of Gr	aticule (Contd)	114					
40.4	TTOTT	(0. 11)					5-			
10.1	(d)	(Contd) Additional	Selec	t 'ON'.						
	(4)	facilities								
		switch.					1		and the same of th	
	(e)	Reject switch.	Rejec	tinwards		1 III 1 V				
	(f)	Range	Adjus	t until Vis-						
		control.		range indica-						
				nas collapsed						
			to a	. 101						
10.2	India	cator.	(i)	Ensure 'DOT'						1
				aligns with the intersection of		1.31				
				inverted 'T'.						
			Note:	If the						
				graticule is						
				not satisfac- torily aligned						4
				carry out sub-						Ì
				item 10.3 and					Control of the Contro	ALL ALL STREET
				10.4.						DU PER CONTRACTOR CONT
10.3	Indi	cator.	Remov	e 'Visor' and			and the second		Control of the Contro	
			'Pola	rised Dimmer'.					1	San Control
10-4	Pola	rised Dimmer	. Adjus	t graticule.			The state of the s			100
10.5	Indi	cator.	(i)	Refit 'Polarised						-
				Dimmer' and						
				'Visor'.						longer
			(ii)	Ensure 'DOT' aligns with					and the second	
				intersection					1	7
				of inverted 'T	1					No.
			Note:	If the graticule is not						
		es ₁ 1		satisfactorily						and
				aligned repeat	E .				İ	e disame
				sub-item 10.3 and 10.4.			1			A STATE OF THE STA
				and IO.T.	-					The second secon
10.6	HCU.		1		Second Se					The Color
	(a)	Vis-Ident	Selec	t to 'OFF'.						THE REAL PROPERTY.
	(b)	switch. Additional	Selec	t to 'NORMAL'.						
		facilities		The state of the s						
		switch.				hii				
								HEWE WILLIAM		

1S 17A

SIMS 17A

CHAP P NO	2 101	AIR RADAR A CONTINUED	SERVICING PROCEDURES LIGHTNING				-1000- on 1 ition)		
HEET	12	AL 13	DIMILITA	AC			DATE	-	-
				Annual Inchine					
			otes are to be complied rk detailed on this card	уор-минунацияция	patronomaterna	ECORD	- F.	THE PERSON NAMED IN	-
1011 0	m ou	gnout the wor	rk detailed on this card.	(1)	(2)		(3)	(4)) (5
		AIR	RADAR	i L		V. V.			
11.	Overa	all Sensitivi	ity (Contd)			L P			
11.4	Scree	en RAM nose.	(Contd)						
		Resonator.	Tune for peak						
			indication on	212					
			associated meter, adjusting attenuator						
			as necessary to			100			
			maintain a suitable						
			indication.						
11.5 1	MTTM								-
	(a)	Azimuth	Adjust for a						
		control.	minimum indication						
			on M1 and zero						
1 14	(b)	Aerial	indication on M2. Set to '2'.						and a second
	(0)	position	200 00 12 .						
		selector.							
11.6		IICII	11 de la 17 de 17 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de 18 de						
11.0		HCU.	Adjust in elevation for a minimum						-
			indication on M1.						
11.7 1	MUM. (a)	Elevation	(i) Adjust for					The same of the sa	-
	(a)	control.	zero indica-						and the same of th
			tion on M2					on City	adoption .
			and a minimum	1				-	
			indication or M1.					-	decount
			(ii) Repeat azimuth						and and
			and elevation						Tanana and the same and the sam
			adjustments						and the same of th
			as necessary until when						de manuel de
			switching						p-ellocation of the second
			Aerial						MALE PARTIES
			position						
			selector from 1 to 2,					•	Contraction
			M1 remains at						and the same of th
			minimum and						
	(b)	A coming 7	M2 at zero.						repaired
	(0)	Aerial position	Ensure set to '2'.						-
		selector.							
	(c)								
	(d)	Fine range control.	Set full anti- clockwise.		Co. mil				
		COHETOI.	CIOCKWISE.						
				9	1				1

ATT SWE

SIMIS 17A

SIMS 17 A

CHAP	5	AIR RADAR	SERVICING PROCEDURES			1B-1000- tion 1.		
3P NO	101	CONTINUEL	LIGHTNING		(1st	tion 1 Edition)		
SHEET	16	AP 13	- h	AC	NO	DATE		
			otes are to be complied		RV RECO	ORD - F.	2983B	
with t	hrou	ghout the wor	rk detailed on this card.	(1)	(2)	(3)	(4)	(5
		AII	R RADAR					
	~		(2)					
13.	Shor	t Range Vis-	Ident Function (Contd)					
13.4		cator/s.						
	(a)	Display.	Check Vis-Ident		-			
			thermometer scale	1				
			is displayed at right hand side.					
	(b)	Dawwa						
	(0)	Range	Ensure extinguished					
5 × 1		unlocked lan	пр•		100			
13.5	MUM.			100	-		-	1
100	(a)	Rate switch.	Set to 'O'.					
	(b)	Fine range	Adjust test pulse					
	(0)	control.	range (slowly to				-	
		COLLUI-OI.	maintain lock-on)					
			The second of th					
			until top of					
			thermometer scale	VIS.				
			is coincident with					
			10 nm scale marking					
	(c)	Meter M1.	Check indicating					
			25 PLUS OR MINUS 2.				-	
	(d)	Fine Range	Reduce test pulse					
		control.	range slowly,					
			ensuring thermometer					
			scale length					
			reduces steadily					
			until changeover					
			from thermometer				- Constant	
			scale to short					
			range circle occurs				1	
			at approx 900 yards.					
	(e)	Meter M1.	Check indicating					
			4.5 PLUS OR MINUS					
			0.5.					
	(f)	Fine range	Reduce test pulse					
		control.	range until short					
		,	range circle is					
			coincident with					
			500 yards					
			calibration mark.					
	(g)	Test pulse	Set to 1500 ft and					
	(8)	switch.	ensure lock-on is					
		OWI COII.	maintained using					
			HCU Reject In/Out					
			switch as necessary.				1 1	
NB:	Reje	ct 'out' fac	ility cannot be used					
			ch is selected 'OFF'.					
		Mater M1.	Check indication	- Au	11 y 0 7 1 1			
	/		is 2.5 PLUS OR MINUS					
			0.5.	1072				
							-	
				0			8 8	

SMS 174

SMS/79/2/2

CHAP SP NO		SERVICING PROCEDURES LIGHTNING		P101B-1000- Section 1 st Edition)	5A3 F
SHEET		BIMILITIA	CONTRACTOR STATES SUCCESSION OF THE PARTY OF	DATE	
Name when we would		tes are to be complied		ECORD - F.	
		k detailed on this card.		THE RESIDENCE OF THE PARTY OF T	(4) (5
	AIR	RADAR			
14.	Minimum Range Che	ck (Contd)			
	MUM. (Contd) (b) Fine range control (c) Meter M1) Carefully reduce) range until range) circle is coincident 500 yard mark, ensuring monitor lamp remains lit and GCV reading on M1 remains steady.			
14.4	HCU. (a) Range selected switch. (b) Tx switch. (c) Vis-Ident switch.	or Select 40 nm range and ensure that the Vis-Ident display is removed.)) Set to 'OFF'.			
	ELEC	TRICAL			
15.	Preparation	# # # # # # # # # # # # # # # # # # #			ACT ACT ACT ACT ACT ACT ACT ACT ACT ACT
	Pitot/Static test set.	Connect to aircraft.			
	Pitot/Static pressures.	Adjust Pitot/Static for an airspeed of 175 PLUS OR MINUS 20 kts. (Static at prevailing atmosphere).			
1	IIA	R RADAR			
16.	Radar Ranging				
16.1	HCU range control.	Set KRA marker to 5 nm.			
	MUM. (a) Aerial position selector. (b) Test selector (c) Elevation control.	Set to '1'. Set to '9'. Adjust for an M2 indication of 5.			

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MS 174

CHAP	2	AIR RADAR	SERVICING PROCEDURES			101B-1		5A3 F	
SP NO	101A	CONTINUEL	LIGHTNING		(1s	ection t Edit	ion)	Cust Don't recottable	
SHEET'	20	AL 13				I			
Safet	y and	Servicing N	otes are to be complied rk detailed on this card		yestemperature say	CORD -			-
with	throug	nout the wo	rk detailed on this card	(1)	(2)		(3)	(4)	(5
		ELE	CTRICAL						
17.	Radar	Ranging							
					iii				
17.1	Pitot, set.	/Static tes	t Adjust static pressure to over 20000 Ft.						
		AIR	RADAR						
18.	Radar	Ranging							
18.1	MUM.								
	(a)	Meter M1.	Check reading is same as noted in						
			16.4 (f).						
	(b)	Test select	or. Set to '6' and check reading on M1					-	
			is 13 PLUS OR MINUS					200	
			2.					- Andready-	
18.2	Indic	ator/s.	Check KRA marker is sweeping between 1 and 2 nm.						
		FLEC	TRICAL						
i i i i	1							0	TACOMINATORY C
19.	Radar	Ranging							OUT THE PROPERTY.
19.1	Pitot test	/Static	Return Static pressure to prevail						overaging.
	test	set.	ing atmospheric.						
garage (Assessed a green for the fact	w hora tile moons		TD DADAD	+			and the second s		
			IR RADAR			-		and the same of th	
20.	Guns	Radar Rangi	ng			The state of the s		9	
20.1		er armament ction switch	Set to 'GUNS'.					(Destroyalis)	
200 2			· · · · · · · · · · · · · · · · · · ·					The state of the s	
20.2	MUM. (a)	Meter M1.	Check reading is					or Brathage (British	
	(b)	Test select	2 PLUS OR MINUS 1.						
		Fine Range	Adjust to obtain		- Control				-
		control.	LFS 'In Range' indication.		and the state of t				-
	(d)	Meter M1.	Check reading does						
			not vary when 'In Range' signal is						-
			displayed and that						
	/a. /	100	it is the same valu		Con	tinued			
SMS/	79/2	12A	as noted at 16.4 (-1	5011				-

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CHAP	-	AIR RADAR	SERVICING P					1000- n 1		
SP NO	101A	CONTINUEL	LIGHTNI	NG		(18	t Édi	n 1 tion)		
SHEET	21	AL 13	n n		AC	NO		DATE		• • •
Safet	y and	Servicing No	tes are to b	e complied		Company of the Contract of the	CORD	- F.	2983E	
with	throug	hout the wor	k detailed o	n this card.	(1)	(2)		(3)	(4)	(5
		AIR	RADAR							
20.	Guns :	Radar Rangin	ng (Contd)							
20.2	(e)	(Contd) Test pulse switch. Test selecto switch.	check th no 'In R indicati or Set to ' that the M2 is MI	on. 9' and check reading on NUS 6 PLUS					Companying the consession of the Company of the com	
20.3	LFS/C		OR MINUS							
20.4	Maste:	r armament	Set to G	W.						
20.5	MUM to	est position	Operate.							
21.	Sight	line Rates							- Control of the Cont	
	butto		r Select 1	O nm range.						
21.2	(b)	Range track switch. Elevation control.	with M2'	o zero on on M2 Read/Test'					NA COLON AND COLON	SERVICE INDEPRESENTAL ANGRADOP SERVICE SIZE - 1 TO 12 VIOLENTE SERVICE
	(d)	Test selecto Azimuth control.	or. Set to 'Adjust tindicati with M2			demonities of a filtra-turn some professional designation of the state	¥	,		Additional of Department of colleges contrast of the college of th
21.3	HCU p	hase change. er.	simultan	rack and eaously op watch.			1		and the second s	
21.4		Meter M2.	seconds, indicati tween MI PLUS 10.	dicates 10 that on is be- NUS 10 and		And the second s				AND THE REPORT OF THE PLANT OF THE STREET AND THE STREET STREET STREET STREET STREET STREET, AND THE STREET ST
SMS/	1	Test positions witch.	on Operate.			Cont	inued	-		

ATL PME

CHAP SP NO	2	AIR RADAR	SERVICING PROCEDURES LIGHTNING				-1000- on 1 ition)		
	22	AL 13	LIGHTINING	100		-	DATE	- The State of the	
SHEET'									000
			tes are to be complied k detailed on this card		personant and a	CORD	- F.		-
74 1 011	0111 046	niod o the wor	a detailed on this card	100	(2)		(3)	(4)	(5
		AIR	RADAR						
21.	Sight	line Rates (Contd)	4					OTHER DESIGNATION OF THE PERSONNEL PROPERTY.
21.4		(Contd) Test selecto:	r. Set to '9'.						
21.5	HCU pl	nase e trigger.	Select Track and simultaneously start stop watch.						
21.6	(b)	Meter M2. Test positions witch.	Check, as stop watch indicates 10 seconds, that indication is be- tween MINUS 10 and PLUS 10. Operate.					OPPER A MODERN AND AND AND AND AND AND AND AND AND AN	
22.		ELECT	TRICAL Connect.						Control of the contro
22.2	Pitot, press	/Static	Adjust Pitot/Static pressures for an airspeed of 175 PLUS OR MINUS 20 kts (Static at prevailing atmospheric.)			in an and Animal editionally found that the page of the page of the control of the page of the control of the c			Mary database war under database and dependence on the commission of the section
nderwassingsdofferena	Andrew Ann Control	ΑI	R RADAR						
23.	Lock-	on and Rejec		and the state of t				The second secon	
23.1		Aerial position selector.	Set to '1'.						we again Consume printers with a status with
	(b) 1 (c) 1	Rate switch. Test pulse switch.	Set to 'OFF'. Set to '8 nm'.						
	(d)	Comp track switch.	Set to 'ON'.						
23.2	HCU.	Range contro	1. Set target marker to '10 nm'.			la la la la la la la la la la la la la l			

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CHAP	-		SERVICING PROCEDURES				-1000- on 1 ition)	5 A 3 F	
SP NO	-	- Inches	LIGHTNING						designation of the later.
SHEET	24	AL 13		1			DATE		
Safet	y and	Servicing Not	es are to be complied detailed on this card			CORD	- F.	-	-
WIUII	throu	gnout the work	detailed on this card	1(1)	(2)	discontinuation	(3)	14.) (5
			RADAR						
23.	Lock	on and Reject	Function (Contd)						or a second
23.6		(Contd)	Defect out Cheek						
	(b)	Reject switch	. Reject out. Check 'Warning and Fire'						
			lamps on 'Release'.						
	(c)	Additional facilities	Set to 'OFF'						
		switch.			2 n 11 n h				
23.7	MITIM								
-)•((a)	Range track	Set to 'ON'. Check						THE PARTY OF THE P
		switch.	lock occurs at						
			approx 8 nm and target marker is						
			displayed.						
	(b)	Test pulse	Wait a minimum of 10 seconds then set						and the same of th
		switch.	to 'OFF'. Check						and the second s
			KRA marker dis-						
			played and remains steady for approx						The second second
			5 seconds before						-
			drifting into sweep						
			about 'Waiting Range' (5 - 6 nm).					- Control of the Cont	
23.8	Indi	cator	Set to '2'.			1			months and
	comp								
	swit	ch.							and the same of th
23.9	MUM.								Ì
	(a)	Range track				1			SHOP A CHARGO
	(b)	switch. Range lock	Set to 'OFF'.						-
	• == ==	switch.)						and the same of th
23 10	HCII	range	Set marker between		1 T x				
<i>د</i> ر ع		rol.	3 and 4 nm.						
27 44	Tadi	aatam	Check time circle						a Proposition of the
25.11	Indi	cator.	gap is 4.30 o'clock						-
27 42	TICKT		Move handle						Secure Office
25.12	HCU.		forward until						
			elevation angle is		-		5		
			zero and check time circle gap						
			remains at 4.30		-	124			
			o'clock.		1				
								\perp	
SMS	79/	1.4A			Cont	inue	ed.		

CHAP SP NO		AIR RADAR A CONTINUED	SERVICING PROCEDURES LIGHTNING	AP101B-1000-5A3 F Section 1 (1st Edition)							
SHEET	-			AC	Water and the same of	CHEST AND HELD STORE					
Safet	v and	Servicing No	tes are to be complied	1				2983B			
			k detailed on this card		(2)	, oon b	(3)	(4)	THE PERSON NAMED IN		
A A Marine Annie Marine annie An		AIR	RADAR								
23.	Lock-	on and Rejec	t Function (Contd)								
23.13	Indi	cator.	Check steering dot is positioned at 1.30 o'clock.								
23.14			(i) Move handle forward until elevation angle is 5 degrees down. (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.								
23.15		Cator. Display. Computer switch.	Check time circle gap is between 9 and 10 o'clock. Set to '1'.								
23.16	MUM. (a) (b) (c) (d)	Range track switch. Range lock switch Test pulse switch. Rate switch.) Set to 'ON'.) Set to '8 nm'. Set to 'OFF'.								
		reject	(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, allow strobe to run into approx 3nm.								

CHAP	2 AIR RADAR	SERVICING PROCEDURES		01B-1000-5A3F ection 1 Edition)
SP NO	101A CONTINUEL	LIGHTNING		
SHEET	26 AL 13			DATE
		otes are to be complied	and the second s	OORD - F. 2983B
with t	throughout the wo	rk detailed on this car	d (1) (2)	(3) (4) (5
	AI	R RADAR		
23.	Lock-on and Reje	ct Function (Contd)		
23.17	HCU reject switch			
		(iii) Push forward	1 1 1	
		to reject ou and check		
		target marke	r	
		moves outwar		
23.18	Gunsight	(i) Press and		
	caging button.	check target		
		marker moves outwards.		
		(ii) Release as		
		target marke	r	
		reaches 8 nm		
		and check		The state of the s
		lock-on		
		occurs.		
23.19	HCU range selector.	Select 40 nm range		
23.20	Indicator target	Check lock-on is		
	marker.	still present.		To Control
23.21	HCU reject	(i) Reject out		
	switch.	and ensure	CONTRACTOR CONTRACTOR	
		target marke moves outwar	1 1 1	
		in range.	as	
		(ii) Release and		
		check target		
		marker retur		
		to approx 8		
		when lock-on		
		occurs.		
23.22	MIIM _			
-) •	(a) Range track)		
	switch.	Set to 'OFF'.		
	(b) Test pulse) Dec to Off.		
	switch.)		
24.	Computers (Low A	ltitude)		
24.1	MUM rate	Set to 'O'.		
7	switch.			
1				
	HCU range contro	1. Set to KRA marker	td	
24.2	nou range contro	1. See so indi marier		
24.2	noo range contro	between 35 and 40		

-

RESTRICTED

CHAP	2	AIR RADAR	SERVICIN						-1000- on 1		3 F	
SP NO	101A		LIGH	INI NO	G				on 1 ition	-		
SHEET	27	AL 13							DATE		117	
		Servicing I					RV RE	CORD	- F.	29	83B	-
with t	throug	shout the wo	ork detaile	d on	this card	(1)	(2)		(3)		(4)	(5
24.	Compu	Al	R RADAR	Cont	a)							
24.3	MUM.									ı		
	 (a) Test selector. (b) Phase balance. (c) Test selector. (d) Azimuth control. (e) Rate switch. (f) Test selector. 		Adjustindication indications and indication	t for ation M2 'H on o '8 t for ation M2 'H on o '1 M2 : proxive.	r zero n on M2 Read/Test' 'Read'. ' r zero n on M2 Read/Test' 'Read'. ' and indication 1							
	(f)	Test select	cor. Set to	o '9	•					NATION SECTION.		
24.4	HCU.		(i) (ii)	stee in of Move for stee	ast to tralize ering dot elevation e handle ward until ering dot es down.					ALONG CHROMENGER AND PROPERTY CHROMENS AND P	Spinner (China) (Mer. All Senences nation (Angest), many (Angest) (China) (Angest)	
24.5	India	ator.										
	(a)	Elevation angle marke	er. 2 deg MINUS down.	rees 2 d	sitioned PLUS OR egrees						zene da yest zegen nekensiyya kina en aysı	
	(b)	Computer switch.	(i) (ii)	and steris Set and stermov	to '2' check ering dot stationary to '3' check ering dot es between 2 and 2 lock.							
										Annual Control of Cont		
SMS /	79/2/	/16				-	Cont	inue	d			

MS 17A

SERVICING PROCEDURES

AP101B-1000-5A3F

MS 17A

CHAP

AIR RADAR

CHAP	2	AIR RADAR	SERVICING PROCEDURES				1000- n 1 tion)		
SP NO	101A	CONTINUED	LIGHTNING			and the same of th		AND REAL PROPERTY AND REAL PROPERTY.	new management of the
SHEET	29	AL 13							albusenes my
Safety	and	Servicing I	Notes are to be complied	-		CORD	-	59831	Designation of the last
with t	hroug	hout the wo	ork detailed on this card.	(1)	(2)		(3)	(4) (5
24.	Compu		R RADAR						
24.8	Indic	ator. (Con	ntd)						
		Not	ce: Deflection is to be at time circle diameter PLUS OR MINUS 5 nm.						
			24.22 inclusive are to Mk 5 aircraft.						
	Pupil		Set to 'INSTRUCTOR'.						
NB.		ed out usi	to 24.21 are to be any aircraft Starboard						Activities of the inner location and the statement of the
24.10	HCU.		Select 40 nm.						A STANSON AND A
24.11	MUM r	ate switch	. Set to 'O'.						
24.12	HCU r	-	Set KRA marker to between 35 and 40 nm.						
24.13	MUM.	Test selector.	Set to '5'.					And the second s	A STATE OF THE STA
	(b)	Phase balance.	Adjust for zero indication on M2 with M2 'Read/Test' switch on 'Read'.						ON THE REST OF THE PROPERTY OF
	(c)	Test selector.	Set to '8'.						STATE OF THE PROPERTY OF THE P
24.14	HCU.		Adjust azimuth control for zero indication on M2 with M2 'Read/Test' switch on 'Read'.					of spacetiment of the second s	AND THE STORY STORY OF THE PARTY
24.15		Rate switch.	Set to '1' and check M2 indication is approx 1 positive. Set to '9'.						STATE OF STA
		selector.							

MS 17A

CHAP SP NO	2 101A	AIR RADAR		NG PROCEDURES HTNING				-1000- on 1 ition)	5 A 3 F	
SHEET	30	AL 13			AC	and property construction of the		DATE		
			Notes are	to be complied	SEF	RV RE	CORD	- F.	2983F	}
					(1)	(2)		(3)	(4)	-
					1.7	1-/		(3)	1	
		A	IR RADAR							
24.	Compu	iters (Low .	Altitude)	(Contd)						
24.16	HCU.		(i)	Adjust to centralize steering dot in elevation.						
			(ii)	Move forward until steering dot moves						
				down.						
24.17	Indic	eator.								
	(a)	Elevation marker.	2 PLU	e positioned S OR MINUS rees down.						National Confession of the Con
	(b)	Computer switch.	(i)	Set to '2' and check steering dot					Company of the second	
			(ii)	is stationary. Set to '3'						
				and check steering dot moves to				1		The state of the s
				between 1.30 and 2 o'clock.					G-Calendaria (Calendaria)	And the Control of th
24.18	HCU.									
		Handle.	(i)	Move backwards and check steering dot	4					Acres 100 -
				moves to 3 o'clock		Manage Commission of the Commi				- A CENT I MANUAL PROPERTY OF THE PERSON OF
				remaining there until elevation angle reaches 16 PLUS OR		education of the second	The state of the s			
				MINUS 2 degrees then begins to move upwards.		and the same of th		8		
			(ii)							Charles Sent Assessment of
				'Read/Test' switch on 'Read'.						
	(b)	Range control.	Reduc	e range to 12 nm					Accesses the conference	
24.19	MUM t		Set t	o '8'.					redirects the sector of passes	
	10									

SMS 17A

SIME 17A

SMS 17

CHAP 2	AIR R			CING PROCEDURES				-1000- on 1		
P NO 101	ACONTI	NUED	L	IGHTNING		-		n 1 tion)		Charles and Control
HEET 33	AL 1			ngilian kalanda ara arangga arang kalanda	5 7			DATE		
afety and	Servic	ing Note	es ar	e to be complied		policina de partir p	CORD	- F.	2983	В
ith through	hout t	he work	deta	iled on this card.	(1)	(2)		(3)	(4) (5
4. <u>Compu</u> 4.27 MUM.		Low Alti	RADA:	R <u>)</u> (Contd)						
				MUM					L-est statement and community of	
INDICAT	OR	LAMP LI	T	M1 INDICATION					Section of the sectio	The state of the s
1st T Ci contract		Warning and Fir		18 PLUS OR MINUS 5						
2nd T Ci contract		Warning and Fin		13 PLUS OR MINUS 4						
Breakawa	Ŋ	Breaka	way	10 PLUS OR MINUS 3					THE PARTY OF THE P	The second secon
24.28 Indicomposition	iter		(ii) Set	Release Sweep switch.						
(c)	Test	switch	to sprod	for indication settle before ceeding. Hold to 'ON' and check M1 indicates 10 PLUS OR MINUS 3 when breakaway lamp lights. Release. to '11'.						
	selec Meter	M1.	les	ck indicating not s than 90. to '9'.						
					1	8 7	<u> </u>		1	

INS 1/A

SIMS 17A

CHAP JP NO	2 101A	AIR RADAR		CING PR IGHTNIN	OCEDURES				-1000- on 1 ition)		i'
SHEET	35	AL 113	LJ.	LAHTMIN	ď	AC	+ Chicago et al Chicago et al		DATE	-	
-	A THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS										
Safety rith t	y and S	Servicing N	otes are	e to be	complied	SEI	RV RE	CORD	- F.	Proposition and Proposition of the Parket Street, Stre	Contractor and
MI CII (urougi	hout the wo	rk deta.	ried on	this card.	(1)	(2)		(3)	(4) (5
		AI	R RADAR								
26.	Genera	al									
26.1	MUM me	eter M1.	chang altit	ude in	othly as						
27.	Comput	er (Kineme	tic Rang	ging)							Versen Brown State Company
	Pitot/ pressu	Static ures.	indic 600 F	re instr cations PLUS OR	are	7					
					US 1000 ft.					ACD by Open group and Act of the	
	MUM ae positi select	on	Set t	0 '10'							
	C	Range control.		Set end to zer and chis no the transfer from and chis and							E ENAMENTE DE CYTELE FOR FORGERENDE, Y COTTE DE ANTANTANTE, ANTANTANTE, ANTANTANTE DE ANTANTANTE EN PRESENTANT
				and is	o'clock s 30 es wide.						
	Indica	ator er switch.	Set t	0 '3'.							
	MUM ae		Set t	o 'NORI	MAL .						
27.6	HCU.		(i) (ii)	ward at time of moves o'clood 15 deg Adjusted of 20 up with	ally for- and ensure circle gap to 9.30 ck and is grees wide. t for an tion angle; degrees th zero						
SMS /5	9/-	9D	7	degree			Conti	nued	-		

MS 17A

CHAP	2	AIR RADAR	SERVICING PROCEDURES				_1000_				
SP NO	101A	CONTINUED	LIGHTNING		(1s	ection t Ed:	on 1 ition)				
SHEET	36	AL 13		AC NO DATE							
			otes are to be complied	SE	RV RE	CORD	- F.	29831	3		
with i	through	hout the wo	rk detailed on this card.	(1)	(2)		(3)	(4)	(5		
			R RADAR								
27.	Compu	ter (Kineme	tic Ranging) (Contd)		1150						
NB	an ele	evation ang intained wh	27.7 to 27.14 inclusive le of 20 degrees is to en adjusting handle in				*				
	Indica comput switch	ter	Set to '4' and ensure steering dot is positioned at 2.30 o'clock.								
27.8	HCU.		Move outboard and check steering dot remains stationary until display angle. is 25 degrees left, then moves left, being fully left when display angle is between 40 and 45 degrees.								
27.9	MUM ra	ate switch.	Set to '2'.								
27.10	Indica	itor.	Check steering dot is positioned between 9 and 10 o'clock.					TO THE REAL PROPERTY OF THE PR			
27.11	HCU.		Move inboard and check steering dot remains left until display angle is 25 degrees starboard, then moves right, being fully right when display angle is between 40 and 45 degrees.								
27.12	MUM ra	te switch.	Set to '1'.								
27.13	HCU.		Adjust to set time circle gap at 6 o'clock.								
27.14	Indica	tor.	Ensure display angle is between 15 and 25 degrees starboard.								
					-			+-			
	WIPOIRE CONTRACT	20A	and the consequence of the conse								

SMS 174

CHAP		AIR RADAR	SERVICING PROCEDURES LIGHTNING		AP1	O1B-	1000-5 n 1 tion)	A3F.	
P NO		CONTINUED	LIGHTNING	A.C.			DATE .		
HEET	37	AL 13					- F.		
Safety	and 3	Servicing No	tes are to be complied k detailed on this card.	(1)	(2)	JUKD	$\frac{-\mathbf{F}\cdot \mathbf{A}}{(3)}$	(4)	(5
VI on t	mrougi	iout the wor	R detailed on this cara	11	(2)		(3)	1 1	1)
		AIR	RADAR						
28.	Comput	ters (High A	ltitude)						
	HCU ra		Set KRA marker to between 35 and 40 mm						
28.2	Indica comput	ator ter switch.	Set to '1'.						
28.3		Aerial	Set to 'TEST'.						
	(b) 1	Aerial position selector.	Set to '1'.						and Colored programme and definition of
		Test selector.	Set to '8'.					To the second se	
		Azimuth control.	Adjust for zero indication on M2 with M2 'Read/Test' switch on 'Read'.			1		THE CONTRACT OF THE CONTRACT O	
		Test selector.	Set to '9'.			5			And Generalis
	(f)	Elevation control.	Adjust for zero indication on M2 with M2 'Read/Test' switch on 'Read'.						
28.4	Pitot press	/Static	Ensure instrument indications are:-			AND AND AND AND AND AND AND AND AND AND		Charles Constitution	paga-decompany of a problem pro-
			IAS = 600 PLUS OR MINUS 10 knots. Altitude = 30000 ft. PLUS OR MINUS 1000 ft.		e agen editada agradus de la composição de la composição de la composição de la composição de la composição de			or matter and the state of the	CONTRACTOR SECTION OF THE PROPERTY OF THE PROP
28.5	India	cator.	Check steering dot is positioned at centre.					A THE PARTY OF THE	
28.6	HCU.		Move forward and ensure steering dot moves down when elevation angle reaches 2 PLUS OR MINUS 2 degrees down.						
28.7	Indicompuswite	iter	Set to '2' and check steering dot remains down.			Color of Colorada (Colorada Colorada Co			Planted grant the state of the
									CA TOWNS
	5/79/	2/		-	Con	tinue	ed		

SWS LTA

MS 1/A

CHAF	2	AIR RADAR	SERVICING PROCEDURES		AP S	101B-	-1000-	5 A 3 F	
P NO	1014	A CONTINUED	LIGHTNING '			-	on 1 ition)	disconsistent of the same of	
HEET	42	AL 13		AC	NO		DATE		
afety	and	Servicing Not	es are to be complied		personal results	CORD	- F.		_
rith t	hroug	hout the work	detailed on this card.	(1)	(2)		(3)	(4) (5)
		ATD I	ADAD						
		ALRI	RADAR						
37.	Addi.	tional Facili	ties Mode (Contd)						
70 4	MITM	(Contd)							
37.1	MUM.	Test	Set to '7'.						
		selector.							Contract of the Contract of th
	(f)	Aerial	Set to '1'.						
		position selector.		,					
	(g)	Aerial	Set to 'NORMAL'.						
		control.							
	(h)	Range	Set to 'MANUAL'.						
	(j)	control. Rate	Set to '1'.						
		switch.						-	
	(k)	Test	Operate.						
		position switch.						and the same of th	
		EWT COIL.							
37.2	HCU.		111111						
	(a)	Range switch.	Select 10 nm.						-
	(b)	Range	Set target marker to						41.57
		control.	5 nm.					,	- Section 1
	(c)	PRF switch.	Set to 'High'. Select 'SEARCH'.						
	(d)	Phase change trigger.	Select SEARON.			Ì		2	
	(e)	Additional	Select 'ON'.						AND COLUMN
		facilities							
		switch.						İ	
37.3	Indi	icator.							
	(a)	Acquisition	Check azimuth sweep						
		marker.	is PLUS OR MINUS 25 degrees.						
	(b)	Elevation	Ensure single bar						9
		marker	only scan for all						discount
			positions of the HCU scan bar switch.						
			Sour Pour Swaroutte						
37.4								and the second second	and the second
	(a)	Azimuth control.	Centralize.					mat minde	Name and Associated to the Control of the Control o
	(b)	Reject	Reject inwards					-	
		level.	(Rear).		· ·			Ì	
37 5	Ind	icator.	Ensure that an			-		and the second	
21.0	U.		enlarged time cirle						
			with no gap is					Ì	- Constitution
			present.						
	************	And the second of the second o		-					
SMS/	79/	AESA	and the second second	1	Con	tinue	ed		

11 SMS

CHAF	AIR RADAR	SERVICING PROCEDURES			B-1000-9 ion 1 lition))A3 F
	101A CONTINUED	LIGHTNING		-		
	43 AL 13					
afety	and Servicing No	tes are to be complied k detailed on this card			$\frac{D-F.}{(3)}$	(4) (5
1 011 011	1104511040 0110 001	TO COUNTY OF THE PARTY OF THE P	1	2)	(3)	14)(.
	AI	R RADAR				
37.	Additional Facil	ities Mode (Contd)				
37.6	MUM. (a) Test	Set to '8'.				
	selector. (b) Meter M1.	Check indicates 52 PLUS OR MINUS 2.				
37.7	HCU azimuth control.	(i) Adjust care- fully to				
		ensure M2 will read positive and negative				
		deflections. (ii) Adjust care- fully to set M2 to zero				
		with M2 'READ/ TEST' switch on 'READ'.				
37.8	MUM.	G-+ +- 101				
	(a) Test selector.	Set to '9'.		1		
	(b) Meter M2.	Using HCU elevation control set to zero with M2 'Read/Test' switch on 'Read'.				
37.9	Indication elevation	Check between PLUS 1 and PLUS 5 degrees				SALAMATA SERBEDAN OF THE
	marker.			1		
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 HO elevation control.	70			
	(b) Test	Set to '10'.				
	1000		1 1			

MS 178

CHAP	2	AIR RADAR	SERVICING PROCEDURES				-1000- on 1 ition)	5A3 F	
SP NO	101A		LIGHTNING		-		-	- Cantan - Control	*****
SHEET	44	AL 13	m ²)				DATE		
			tes are to be complied		- Destroyment - Comme	CORL) - F.	5983E	3
with t	hroug	thout the work	detailed on this card.	(1)	(2)		(3)	(4)	(5
		AIR	RADAR						
37.	Addi	tional Facili	ties Mode (Contd)			1 A.			
37.11		cation switch.	Set to '2'.		der elitifrade elitificate				
37.12	MUM :		Set to sweep.			, , , , , , , , , , , , , , , , , , ,			
37.13		range rol.	Set to minimum and wait for M1 to stabilize.	,					A CONTRACTOR OF THE PROPERTY O
37.14	MUM. (a)	Red cone switch.	Switch 'ON'.		AMERICAN STATES	1		-	
	(b)	Rear lamp.	Ensure lit. Check indicating 58 PLUS OR MINUS 7.					emine of administratives to the	
			Check indicating 30 PLUS OR MINUS 4.	Parameter Control of the Control of				The state of the s	
37.15	HCU leve	reject r.	Push forward.						
37.16		launch ing lamp.	Ensure lit.		4	v			The same of the sa
37.17	HCU leve	reject r.	Release.					de para esco, como maior estado estado estado estado estado estado estado estado estado estado estado estado e	THE REPORT OF THE PARTY OF THE
37.18		launch ing lamp.	Ensure extinguished.						and the second second
37.19	Guns butt	ight caging on.	Press.		Action of the second	AND THE COLUMN TWO IS NOT THE COLUMN TWO IS		Our Control of Control	And the same of th
37.20		launch ing lamp.	Ensure lit.						Note that the second section is a second sec
37.21	Guns butt	ight caging on.	Release.	2					The second second second
37.62		launch ing lamp.	Ensure extinguished.						ALCHER AND AND AND AND AND AND AND AND AND AND
37.23	Indi swit		Set to '4'.						della control de
37.24	MUM.	Test selector.	Set to '10'.			100			
SMS/7	9/	24A	1		Cont	inue	d		

CHAP	2	AIR RADA	R S	SERVICI	NG PROCEDURES				-1000-		
SP NO	101A	CONTINUE	ID I	LIG	HTNI NG		(15	t Ed	n 1 tion)		
SHEET	46	AL 13				AC	NO		DATE		
Safety	and	Servicing	g Note	es are	to be complied	SEI	RV RE	CORD	- F.	29831	3
with t	hroug	hout the	work	detail	ed on this card.	(1)	(2)		(3)	(4) (5
			AIR	RADAR	•						
39.	Exte	rnal Rece	eiver								
39.3		e tester sc On/Off		Set to	o 'OFF'.						
39.4		Rx CU.		(i) (ii)	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 mean noise level of approx 2 nm.						
39•5	Reso	nator CT	307.	(ii)	indicator unit CT 300. Connect RF in- put to socket F on external receiver. Set to 2979 MHz using						en-den-vice des estés desta des vices es constantes de la proprieta de vices de la constante de la constante d
					calibration charts.						
39.6		rnal iver.		oscili dial	t local lator tuning to give maximum ction on CT 300						And the state of t
39.7	Reso	nator CT	307.	Set to 3090 Prepeat for Go of 282 respec						Analysis. We alkey define and the above the popular in the term	

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6	n

CHAP OP NO	2	MIN MADAN	SERVICING PROCEDURES LIGHTNING				-1000- on 1 ition		
	_	CONTINUED	DIGHTIVING					-	
SHEET	47	AL 13						• • • • •	
			es are to be complied	out-temperations	-	ECORD		2983E	-
with th	aroug	nout the Work	detailed on this card	(1)	(2)		(3)	(4)	(5
		AIR 1	RADAR						
39.	Exter	rnal Receiver	(Contd)						
	Exter recei		Reset to frequency in use.						
	Teste S-bar	er noise							
		Set zero control. RF level	Adjust to zero RF Power Level on meter		order or the control of the control				
		control. Tuning	Set fully anticlock- wise. Ensure set to						
	(d)	RF Osc On/	frequency of external receiver. Set to 'ON'.						
		Off switch. RF level control.	Adjust to set RF Level meter indication						
	(f)	Cutput	to Power Set mark. Set to '60dB'.						
	(g)		Check still indicat-						
		meter.	ing Power Set.						
39.10	India	eator.	Check amplitude of largest peak of S-band display exceeds 3 nm.						
39.11		range etor button.	(i) Select 10 nm range and check S-band display	4				The state of the s	
CONSTRUCT THE PROSPRESS OF THE PARTY OF THE			is removed. (ii) Select 40 nm range.				Ť		
40.	Compu	iter (Azimuth)						
40.1	(a)	Risplay unit. Mode switch. Heading selector knob.	Push in and rotate two turns clockwise and ensure selected			many management of the state of			Name of the Control o
			neading pointer moves 90 degrees clockwise.						Graphene and Colembia
40.2	Ext F	Rx CU. Function switch.	Set to 'ALIGN' lift- ing knob to clear						
			stop.	1	1	1		£	1

CHAP	2	AIR RADAR		ING PROCEDURES				-1000-		
SP NO	101A	CONTINUED	LIC	GHTNING CONTRACTOR		-	-	on 1 ition)	-	
HEET	48	AL 13			AC	NO		DATE	• • • • •	• • •
				to be complied		RV RE	CORD	- F.	2983E	3
vith t	hroug	hout the wor	rk detai.	led on this card.	(1)	(2)		(3)	(4)) (5
		AIF	RADAR							
40.	Comp	uter (Azimut	h) (Cont	d)	<u></u>					
40.2	Ext (b)	Rx CU. (Cor Indicator lamp.	DALL HOUSE	e lit.						
40.3	Indi	cator.	(i) Note:	Check acquisition marker has been replaced by homer marker Adjustment of Heading Selector may be required as homer marker may be positioned off display. Check marker is a vertical line positioned at approx 7 nm.	×					
40.4	Nav (a) (b)	Selected heading pointer. Mode switch	Check headi follo Select check chang	Push in and rotate clock-wise. Check homer marker moves from right to left on indicator, returning rapidly after a slight delay to right hand side. A selected ing does not by Heading ctor position. To 'D/L' and there is no ge to display or eted heading.						
										Company of the last of the las

SMS 1 A

CHAP	2	AIR RADAR	SERVICING PROCEDURES AP101B-1000 Section 1 (1st Edition	
SP NO		-	Designation of the second seco	
SHEET	49	AL 13	AC NO DATE	
			tes are to be complied SERV RECORD - F	
WIUN D	nroug.	nous the wor	k detailed on this card $(1)(2)$ (3)	(4) (5
		AI	R RADAR	
40.	Comp	uter (Azimut	h) (Contd)	
40.5	Ext I	Rx CU. Function switch.	Set to 'PROP NAV'.	
	(b)	Indicator lamp.	Ensure extinguished.	
40.6	unit	display heading ctor.	(i) Push in and rotate to centralize home marker. (ii) Note selected heading pointer	
			indication. (iii) Push in and rotate one turn clockwise.	
			(iv) Check selected heading pointer moves 40 degrees clock- wise and homer marker moves 10 degrees right.	
40.7		Rx CU. tion switch.	Set to 'ATTACK'.	
40.8	Indi	cator.	Check S-band display has been removed and acquisition marker has reappeared.	
40.9		Rx CU. tion switch.	Set to 'OFF'.	
40.10	S-ba (a) (b)	er noise nd. RAF Osc On/Off switch Main On/ Off switch Ext Rx CU.		
SMS/7	10/	27	Continued	

CHAP	2	AIR RADAR	SERVICI	NG PROCEDURES	<u> </u>				-5A3 F	
SP NO	101A	CONTINUED	LIGH	HTNING		(1st	Édi	n 1 tion))	
SHEET	51	AL 13			AC	NO		DATE		
Safety	and C	Servicing Not	es are	to be complied	SER	V REC	CORD	- F.	2983	В
with t	hrough	hout the work	detail	ed on this card.	(1)	(2)		(3)	(4) (5)
	a articular de la constanta de la constanta de la constanta de la constanta de la constanta de la constanta de							natur de l'appare de l'appare		
		AIR I	RADAR			ľ			-	
42.	Contr	col Unit Reche	eck (Cor	ıtd)						
42.5	HCU.	(Contd)	<i>z</i> ,							
			(ii)	Move backwards and forwards						
				and check elevation						
			(:::)	marker follows. Park handle in					Self-vertoring	
			(111)	fully aft, fully						
				port position, ensuring clutch						
				engages.					- Control	
	Item	43 is applica	able on	ly to Mk 5					EAL SANGE	
		raft.								and a second
43.	Starl	board HCU Che	ck							resolution Child
43.1	Pupi:		Set to	'INSTRUCTOR'.						
	inst:	ructor				-				
		0-14								
43.2	HCU.	Phase	Selec	t 'SEARCH'.						-
	,	change.							and the same of th	and other states of the states
	(b)	trigger. Range	Selec	t 40 nm range.					The same of the sa	100
		selector.								
	(c)	Handle.	(i)	Move inboard and outboard					25/48/2	
				and ensure						
				acquisition marker follows.						
			(ii)	Move backwards						
-			,	and forwards						
				and ensure elevation						
				marker follows						
			(iii)	Adjust to			1			-V-James-
		8		position elevation						
				marker at PLUS			1 - 1			
				5 degrees and azimuth at		-				and and and
				zero degrees.						
	(d)	Multi-bar	(i)	Select 2 and 4						
0		scan switch.		bar scan and						
				ensure elevation marks	r					
				shows appro-						
- C1/C /	50./	66	1	priate scan	-			a		
SMS/	79/	28		pattern.	1	Cont	inue	u		

CHAP	2	AIR RADAR	SERVIC	ING PROCEDURES	Τ-	Δ	P101B-	-1000-	-5A3 F	ן
SP NO	101	A CONTINUED		GHTNING		(1	Sections Edi	n 1 tion		
SHEET	52	AL 13			AC	-		-		
Safet	y and	Servicing No	tes are	to be complied	1		ECORD			
with	throu	ghout the wor	k detai.	led on this card.	(1)	THE RESIDENCE AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF T	- general publication	(3)	(4	Designation of the last of the
								THE RESIDENCE	T	
		AIR	RADAR							
43.	Star	rboard HCU Che	eck (Cor	ntd)						
43.2		(Contd) Multi-bar (Contd) scan switch.		Set to single bar scan.						
	(e)	Range selector.	(i)	Select 60/80 nm range and ensure 60/80 nm scale is						
			(ii)	range and ensure 10 nm						
			(iii)	scale is illuminated. Select 40 nm range and ensure 40 nm scale is illuminated.						- THE CONTROL OF THE PARTY OF T
	(f)	Gain control.	(i)	Operate and ensure that noise level on indicator/s varies evenly from minimum to maximum.						enterente en en en en en enterente en enterente en enterente en enterente en enterente en enterente en enteren La companya de la companya del la companya del la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya d
			(ii)	Reset to optimum noise peaks just visible.					State of the state	
	(g)	Tx On/Off switch.	Set to	o'NO'.						THE STREET SALE STREET, SALES
43.3	MUM. (a)	Test selector.	Set to	o '3'.						
	(b)	Meter M1.		indicating not						
*	(c)	Range control.		than 16.						
43.4	HCU.	Tx On/Off switch.	Set to	OFF'.						
	(b)	Phase change	Select	'ACQUISITION'.						*
		trigger.								
SMS/79	2/	284			C	ont	inued			

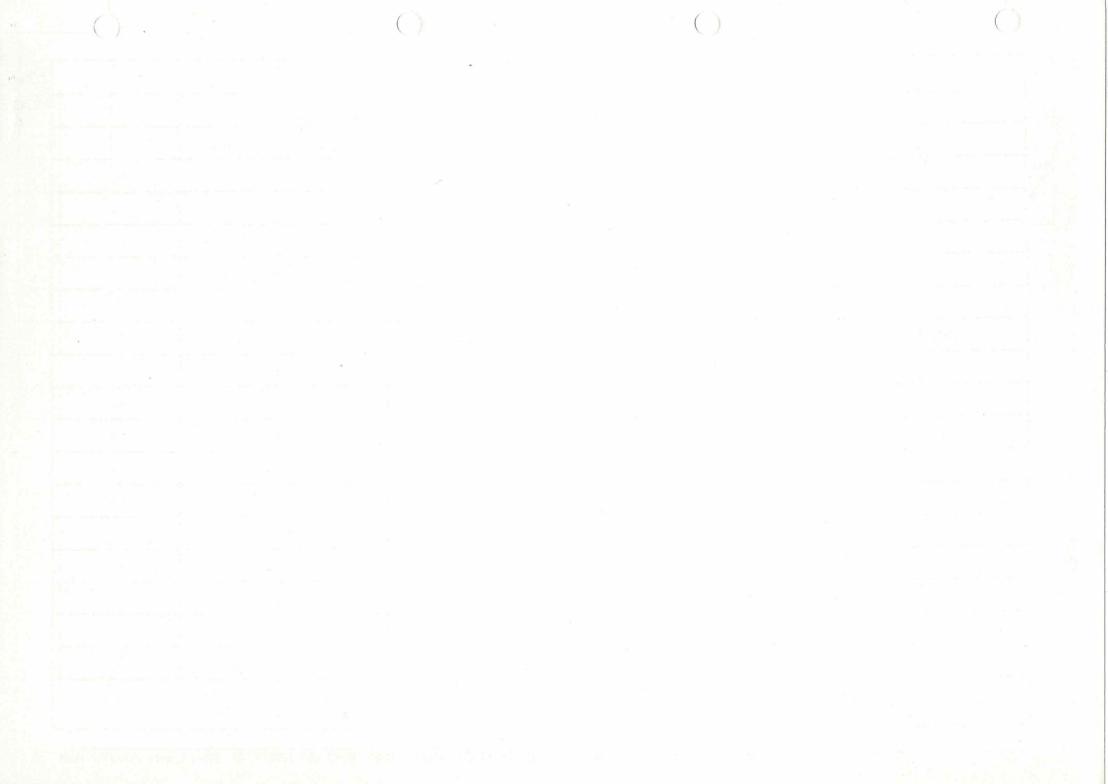
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SMS 174

CHAP SP NO	2 101A	AIR RADAR CONTINUED	SEI		ING PROGHTNING	CEDURES				-1000- on 1 ition)		
SHEET	54	AL 13					AC	NO.		DATE		
Safety	and	Servicing 1	Notes	are	to be	complied	SE	RV R	ECORD	- F.	2983	В
with t	hroug	hout the wo	ork de	etai.	led on	this card.	(1)	(2)		(3)	(4) (5
		NAV I	INSTRU	JMENI	:S							
45.	Comp	letion (Con	ntd)						×			
45.5	swite	rument mast) 8	Set t	o 'ON'.				1 9 1 1 1 2 1 3			
45.6	MRG C	ON/OFF swit	tch)									
45.7	Altit	tude indica	C	orre	ectly ar	ets id power g clears.						
		AI	ER RAD	AR			=					
46.		46 is appl der is <u>NO</u> T				risual						Berlin Arbeit (1900)
	Compl	etion										
46.1		Main On/Of switch.	f S	et t	o 'OFF'	•					de all'alle de recente de la company de la c	Antipology of Company. STates
	(b)	Ground tes standby switch.		et t osit	o 'STAN	DBY '					THE THE WAY OF STREET PARTY OF THE PARTY OF	
46.2	selec switc	h.)									
	switc Instr	umen+) s)	et t	o 'OFF'	•						
46.5		er switch.	L	ower	reflec	tor.		e	ţ			
	Radar harne	SS)			æ					son unangendensken	
	RAM N scree Teste S-ban	n. r noise			Discon Remove		1		0		AND THE PARTY OF T	
46.9		plug.	R	efit	to tes	t socket.					The second secon	
	troll	A power			Switch Discon	'OFF'. nect.						
46.12	MUM.		D:	isco:	nnect.			,				Designation of the second

NS 17A

Test	Test Selector	Aerial Pos'n	Range Lock	Comp Track	Range Track	Test Pulse	Range Control	Rate Switch	Red Zone	Aerial Cont	Ram Screen	
5	2	1	On	Off	Off	Off	Manual	Off	Off	Normal		
6	3	11	**	**	11	"	11	11	11	11		
7	11	11	11	11	**	"	11	"	"	"		
8	11 -	11	11	51	19	11	"	11	11	"		
9	11	11	ti	Ħ	11	11	11	11	. 11	"	*	
10	4.	11	11	11	**	11	11	11	. 11	- 11		
11	11	11	11	11	11	11	11	11	11	11		
12	"	11	11	11	- 11	11 —	Auto	0	11	Test	Peak	
13	11	11	11	11	11	11	Manual	Off	11	11		122
14	6	97			ON	11	11	0	11	11	De-Tune	
15	4	11	11	11	Off	11	"	0	. 11	11	Peak	
16	11	11	11	11	11	11	11	"	11	11		
17	6	11	11	11	ON	VAR	11	11	11	11		
18	9	tt	11	***	11	1500	11	11	11	11		
19	"	. 11	11	11	Off		*11	11	"	"		
20	11	- 11	17	ON	11	Off	51	Off	11	11		3
21	11	11	11	- 11	11	11	Sweep	1	11	- 11		
22	11	"	11	11	11	11	11	11 -	11	11		162,
23	9	1	On	On	Off	Off	Sweep	1	Off	Test		SMS/79



	Ram Screen	Aerial Cont	Red Zone	Rate Switch	Range Control	Test Pulse	Range Track	Comp Track	Range Lock	Aerial Pos'n	Test Selector	Test
		Normal	Off	1	Sweep	Off	Off	On	On	1	9	24
		Test	11	0	11	11	'n	11	11	11	11	25
		11 =	11	11	11	11	11	11	11	11	11	26
		91	11	11	11	11	11	11	91 -	11	11	27
		11	. 11	11	11	11	11	11	; "	11	" "	28
		11	11	. 13	91	11	11	11	11	11	11	29
		11	91	1	11	11	- 11	11_	11	!!	11	30
		U	11	"	11	11	11	11	11	11	- 11	31
		11	11	11	11	11	11	11	11	11	11	32
		11	11	u	. 11	11	11	11	11	11	11	33
		Normal	On	11	11	91	11	11	11	11	10	34
		n	- 11	11	11	11	11	11	11	11	11	35
		11	11	11	11	11	11	. 11	11	11 -	n	36
		11	- 11	- 11	11	17	11	ff	11	- 11	11	37
		- 11	- 11	11	11	, -11	11	*1	- 11	- 11	11	38
		11	11	Off	11	11	11	Off	- 11	11	11	39
		11	11	11	Manual	11	11	ţţ	11	11	3	40
11		11	11	11	71	11	11	17	11 -	11	11	41
-)		11	11	- !!	- 11	11	11	11	"	- 11	11	42

									personal money as in			
	PRF	Add Facility	Vis Ident	Height (Feet)	Speed (knots)	Mas	Phase	Comp	CRT LFS	Range	Trans	Switch Pos'n At Beginning Of Test
	Normal	Normal	Off	0	0	GW		1	LFS	40	Off	5
	. !!	11 -	11	11	11	11	Test	11	CRT	11	11	6
	11	11	11	11	11	11	11	11	11	11	- 11	.7
	11	11	U	11	= 11.	11	Search	11	11	10	<u></u>	8
	11	11	- 11	11	11	**	Acq'n	11	11	40	11	9
	"	11	11	11	11	**	Test	11	11	11	- 11	10
	11	11	11	11	11	11	11	11	11	11	11	11
	11	"	11	11	"	11	11	11	11	11	ON	12
	. 11	11	11	11	11	11	11	11	11	11	11	13
	11	"	ON	11	11	u.	11	11	11	10	11	14
	"	. "	Off	11	11	11	11	11	11	40	Off	15
	"	11	11	. 11	175		11	11	11	11	11	16
22		11	11	20000	"	. 11	11	11	LFS	11	11	17
	н	11	11	11	11	, 11	- 11	11	CRT	11	11	18
1	0	11	11	11	11	11	11	11	- 11	10	11	19
01/0	. 11		11	11	11	11.	11	11	11	40	. 11	20
200	"	11	"	"	11	11	11	11	11	11	11	21

- 1 -

7	1			NAME OF THE PARTY	Manager a superference a Professional of Artifact							
	PRF	Add Facility	Vis Ident	Height (Feet)	Speed (knots)	Mas	Phase	Comp	CRT LFS	Range	Trans	Switch Pos'n At Beginning Of Test
	Normal	Normal	Off	30000	600	GW	Test	1	CRT	40	Off	22
	"	11	11	11	11	11	. 11	11	"	11	11	23
	11	11	"	11	11	11	11	<i>L</i> ₊	11	11	11	24
	"	11	11	11	11	11	11	2	11	11	11	25
	"	11	11	11	11	1)	11	4	11	10	11	26
	"	11	11.	11	11	1,1	11 -	11	11	11	**	27
	11	11	11	11	19	11	11	11	11	117	11	28
	11	11	11	11	11	11	11	11	11	. 11	11	29
	11	11	11	- 11 -	11	11	11	- 11	11	11	11	30
	"	u -	11	11	11	11	11	11	11	**	11	31
	"	. 11	11	11	11	- 11	11	11	11	11	. "	32
	11	" ,	11	,"	11	11	11	- 11	11	n	11	33
		ON	11	**	11	11	Search	11	LFS	11	11	34
200	51	Normal	11	11	11	, 11	Test	11	CRT	11	11	35
	11	!!	11	"	.11	11	Search	11	- 11	40	11	36
CM2/70	11.	- 11	11	"	''	11	11	"	1,1	" "	11	37
2	"	† 1	- 11	- 11	11	- 11	- 11	- 11	11	"	11	38

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Switch Pos'n At Beginning Of Test	Trans	Range	CRT LFS	Comp	Phase	Mas	Speed (knots)	Height (Feet)	Vis Ident	Add Facility	PRF
39	Off	40	CRT	1	Search	GW	600	30000	Off	Normal	Normal
40	11	10	11	11	11	11	11	11 -	11	11	11
41	11	11	11	11	"	11	0	0	11	Ħ	n .
42	11	11	- 11	11	. 11	11	. 11	11	- 11	11	11
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