CHAP	2	SP 113	SERVICING PROCEDURES		A	P 1018-1000-5A3 (Section 1	E			
TRADE		FLT SYST	LIGHTNING	enn y		(1st Edition)	111	1	ACT	
SHEET	1	OF 22 SHEET/S	3 5 6 AL 20	◀		RAF Form (Revised J	an 78)	TIME	+
TITLE	Ins	estreak Guided Wea tallation - Test	Company or State Indicates	100	aft/Ed	ICING REC	ОН	D	153	.,,
		Servicing Notes are t hout the work detaile		Date g			<u>s</u>	s		-
Specia	1 Too	ls and Equipment		Man H	Initials	Brief Details of Suspected	Man H	Initials		
lOH/93 Post (32095 Comma	est Slaving (Plug O). nd Mod/Firestreak/ ol System Test Set	049 STC.	Tradesman Man Hrs	N Tradesman I	Defect and MOD F720 ORN/SNOW When Applicable	A Supervisor Man Hrs	a Supervisor I		
NB	swit the	ng this Procedure ch is not to be se 200 volts 400 Hz p ched off.	t to 'ARM' before		-	•	*			
174		WEAPONS							CARDS	
1.	Prep	aration							1	
1.1	ERUs	. Ensur	e made SAFE.		ı				PROCEDURE	
	-	FLT SYST			,				PROC	
2.	Prep	aration							OCIATED	
2.1	(a) (b) (c) (d)	switch. LFS/CRT Set t switch.	e set to 'SINGLES'.						ASS0C1	
2.2	(b)	Base Remove fairings. Butt (i) connectors. (ii)	Clean.							
		Misfire Reset indicators.	(See Fig 1).		,				TRADES	
3.	Fire	e Control System Te	est Set (Preparation	<u>)</u>					ATED	
3.1	Vert	izontal/ Set to tical tches.	o 'HORIZONTAL'.						ASSOCIATED	
3.2	Pylo sele swit	ector	co 'SO'.						SP NO	
	9					inued			- s	

HAP	2	FLT SYST	SERVICING PROCEDURES LIGHTNING			01B-1000-5A Section	1	
	113		DIGHTHU			1st Edition		
HEET	2	AL 18	(ME) Called the Calledon	AC N	_	· · · DATE		<u>.</u>
afety	and S	Servicing Notes are tailed on this card.	to be complied with throughout	(1)				15
				(1)	(2)	(3)	(4)	(5)
3. 3.3 3.3	(Co	re Control Systemate).	T SYST em Test Set (Preparation) Set to '3 kHz'.					
3.4		ntrols.	Set to 'LINE 1'.					
3.5			Set to 'INSULN.LL'.					
3.6 3.7	Eri	fset switch.) ror offset) itch.)	Set to 'O'.					
3.8 3.9	ai: Po	wer-to-) rcraft switch.) wer-to-) nsole switch.)	Set to 'OFF'.					
3.10		sulation scan	Set to 'USE'.			,		
3.11		gnal phase itch.	Set to 'REVERSE'.					
3.12		lon nnectors.	 (i) Clean butt connectors. (ii) Fit to Pylons, ensuring 0.256 in. spacer washer is fitted on rear securing bolt. (iii) Connect to junction box. 					
3.13		furcated	Connect.					
3.14) way unitor .ug.	Remove.					
3.15		slaving able.	Connect in conjunction with adaptor test slaving.					
3.16	C C	ontrol box.	(i) Position in cockpit(ii) Connect to junction box.					

MS 1		F
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CHAP SP NO	2 .	FLT SYST	SERVICING PROCEDURES LIGHTNING			101B-100 Sect (1st Edi	ion 1		
				10.7					
HEET	3	AL 18	to be complied with throughout	AC I		RVICING	-	-	•
		ervicing Notes are ailed on this card.	to be complied with throughout	(1)	(2)	((4)	(5)
		FL	T SYST	1 16					
3.		e Control Syşt	em Test Set (Preparation)					941.5	
3.17	box	control selector tches.	Set to 'NOT SEE'.						
3.18		trol box dsets.	Connect.						
4.	Saf	ety Break							
4.1		ament safety ak key.	Remove.						
4.2	Gro lin		Fit and operate.						
5.	Mis	cellaneous Sup	plies						
5.1		volt d.c.	(i) Connect.(ii) Switch on.						
5.2	115 GPU	SV 2.4 kHz	<pre>(i) Connect. (ii) Start. (iii) Adjust to 3000 rev/min.</pre>						
			(iv) Switch on supply.						
6.	Gro	ound Cooling							
6.1	Tro	olley.	<pre>(i) Connect. (ii) Start.</pre>						
7.	Ins	sulation Checks							
7.1		ver-to- nsole switch.	Set to 'ON'.						
7.2		ver-to- nsole lamp.	Ensure lit.						
7.3	sw	ster armament) itch. ming switch.	Set to 'ON'.						
7.5		opwatch.	Start.						
CMC /	254	22		Co	ontinu	led.	TWIT		

CHAP	2	FLT SYST		SERVICING PROCEDURES	A	AP1	01B-100	0-5A3E ion 1		
SP NO	113	CONTINUED	1 - F	LIGHTNING		(1st Edi		* 1	
SHEET	4	AL 18			AC N	ю	I	ATE .		
			o be com	plied with throughout		SEF	VICING	RECORD		
the wo	rk de	tailed on this card.			(1)	(2)	(3)	(4)	(5)
		FL	SYST		m.					
7.	Ins	sulation Checks	(Cont	d)						
7.6		med time dicator.	Ensur	e operating.						
7.7	Arı	ming panel.	(i)	Ensure arming lamp is lit.						, and a second
			(ii)	Ensure armed lamp is flashing.						
7.8	1000 (000)	se cover	Ensur	e lit.						
7.9		ntrol box art lamps.	(i) (ii)	Ensure extinguished Allow warmuup period until M1 deflects.						
7.10		sulation an switch.	Set t	o 'ZERO'.						
7.11		st set 1M ntrol.	_	t until M1 ates 1 Mohm.			e e e e e e e e e e e e e e e e e e e			
7.12		sulation an switch.	Set t	co 'FSD'.						
7.13		st set 4M ntrol.	1.70	et until M1 cates 4 Mohms.						
NB:	if th	ring Sub-items ? any M1 indicati e test is to be formed.	on is	o 7.16 inclusive, less than 2 Mohms ntinued and NCO						
7.14		sulation scan	(i) (ii)	Set to 'USE'. Check M1 indication.	ŀ					
7.15	Fu	nction switch.	(i) (ii)	Set to 'INSULN.LE'. Check M1 indication.						
7.16	Li	ne selector.	(i) (ii)	Set to 'LINE 2'. Check M1 indication.						
	2=	22 _A			Co	ntinue	ed			

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НАР	2 FLT SYST	SERVICING PROCEDURES		i and	01B-1000-5A Section	1	
SP NO 1	L13 CONTINUED	LIGHTNING		(1st Edition)	
HEET	5 AL 18		AC N		DATE		_
		to be complied with throughout	and a		VICING RECO		_
he work	k detailed on this card.		(1)	(2)	(3)	(4) ((5
	FI	LT SYST	West 1				
8.	Line Resistance a	nd 2 Minute Arming Test.	1-				
8.1	Functionsswitch.	(i) Set to 'LINE RESISTANCE'.					
		(ii) Check M1 indicates					
		zero.					
8.2	Power-to-	Set to 'ON'.					
	Aircraft switch.						
8.3	Power-to-)						
		Ensure lit.					
8.4	Pylon load lamp.)						
8.5	Arming panel.	(i) Ensure arming lamp					
0.5	Arming paner.	remains lit and					
		armed lamp is					
		extinguished.					
		(ii) Ensure armed lamp					
		lights after a period of between					
		1 minute 30 seconds	,				
		and 2 minutes 15					
		seconds.					
ND	0.6 4-	8.14 inclusive are to be	1				
NB:		n the arming time. During					
	Sub-items 8.6, 8.	11 and 8.14, if there is					
	no discernible de	eflection of M1 pointer the				10 m K	
	test is to be dis	scontinued immediately and					
	the Flt Syst NCO	informed.					
8.6	Meter M1.	Note voltage indication					
		on Blue scale.					
		Cot to LITNE 11					
8.7	Line selector.	Set to 'LINE 1'.					
8.8	Meter M1.	(i) Note voltage			CALLED TO THE		
		reading on blue				7 1 Vy V	
		scale and add to				10 10 10	
		that noted in Sub- item 8.6.					
		(ii) Ensure sum does no	t		1000		
		exceed 2 volts.			e with it	100	
		Cat to LITNE 21				gram di pr	
8.9	Line selector.	Set to 'LINE 2'.			bal-sa. Ma		
8.10	Pylon selector	Set to 'PO'.			la l	allowed to	ď
	switch.		A later	r Hu ling	P v. merr	t the	ij,
CMC /	23 23		Co	ntinu	ed.		đ

CHAP	2	FLT SYST	SERVICING PROCEDURES			101B-1000-5 Section	1 1	
SP NO	113	CONTINUED	LICETNING			(1st Editio	n)	
HEET	6	AL 18		AC N	_	· · · DAT		
		ervicing Notes are ailed on this card	to be complied with throughout	1947		RVICING REX		
THE MOI	K det.	alled on this card		(1)	(2)	(3)	(4)	(5)
		F	LT SYST					1
•		- Desdebeses	nd 2 Minute Ammine Test					
8.		e Resistance a ntd).	nd 2 - Minute Arming Test		-		The plan	
	, , ,							
8.11	Vol	tage check.	Repeat sub-items 8.6 to 8.8 inclusive.					
8.12	Fun	ction switch.	Set to 'AGC'.					
8.13	Pyl	on selector	Set to 'PO' and 'SO' in					
	swi	tch.	turn and ensure meter M2			1.15		
			indicates zero at each position.					
NB:			be commenced until the	1				
		ing sequence a pleted.	ctuated in Sub-item 8.5 is					
	00	proces		1				İ
9.	Tar	get Detector a	and Fire Control Test.					
9.1	Fun	ction switch.	Set to 'TARG DET'.					
9.2	PAS	/LFS screen	Ensure PAD/LFS lamp,	1				İ
		ing panel	Event 1 and Event 2					
	and	CRT.	indicators and Port and Starboard 'W' markers	1				
			are not visible.					
			Cat to ICEE					
9.3		trol box PO .ector.	Set to 'SEE.,			177		
	261				1			
9.4		JLFS screen,	Ensure PAS/LFS Event 1					
		ning panel	lamps and Port 'W' markers are lit.					
	anc	. 01(1)						
9.5		ntrol box PO	Set to 'NOT SEE'.					
a	sel	ector.						
9.6	PAS	S/LFS screen,	Ensure PAS/LFS lamp,					
		ning panel	Event 1 and Event 2 indicators and Port and					
	and	CRT.	Starboard 'W' markers		1			
			are not visible.					
9.7	Cor	ntrol box SO	Set to 'SEE'.					
3./		Lector.						
						1.54	2. 8 64	
9.8		S/LFS screen,	Ensure PAS/LFS lamp and Event 2 lamps and S					1
		ming panel d CRT.	Starboard 'W' markers					
CMC /	-	23A	are lit.	Co	ntinu	ed		٠

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CHAP	2	FLT SYST	SERVICING PROCEDURES LICETINING			O1B-1000-5A	1	
SP NO	113					1st Edition		
HEEL	- 7	AL 20	1 44)	AC 1		DATE		·
		ervicing Notes are tailed on this card.	o be complied with throughout	(1)	(2)	(3)	(4)	(5)
		pr (I SYST	11/	1			
9.	Tar		d Fire Control Test (Contd					
9.9		trol box SO ector.	Set to 'NOT SEE'.					1 10 1 10 2 10 1 10
9.10	arm	/LFS screen, ing panel CRT.	Ensure PAS/LFS lamp, Event 1 and Event 2 indicators, and Port and Starboard 'W' markers are not visible.			and the same and		
	sel	trol box PO) ector.) trol box SO) ector.)	Set to 'SEE'.					
9.13	arm	/LFS screen, ing panel CRT.	Ensure PAS/LFS lamp, Event 1 and Event 2 lamps and Port and Starboard 'W' markers are lit.					
9.14		gles/Pairs	Set to 'PAIRS'.					h
NB.	app		9.22 inclusive are weapon packs pre SEM/FS/					
9.15	Wea	pon trigger.	Operate and hold.					
9.16		o' and 'SO' start lamps.	Ensure light in sequence at intervals of approx- imately 1/2 second.					
9.17	Mag	/Jet lamp.	Ensure not lit.				Y . A	
9.18	arm	S/LFS screen, ning panel i CRT.	Ensure PAS/LFS lamp, Event 1 and 2 indicators and Port and Starboard 'W' markers are not visible.					
9.19	Wea	apon trigger.	Release.		1			
		start lamps.) g/Jet lamp.)	Ensure extinguished.					
9.22	2.1	sfire licators.	Ensure operated.					
			요. 개념 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12					
SMS/		24		C/	ntinu	ed	- N	

HAP	2	FLT SYST	SERVICING PROCEDURES		AP		00-5A3 E tionl	3	
P NO	113	CONTINUED	LICHTNING			1st Ed	ition)		
HEET	8	AL 20		AC N	о		DATE .		
			be complied with throughout		SE	RVICING	RECORD		
the wor	rk de	tailed on this card.		(1)	(2)	(3)	(4)	(5)
9.	Та		SYST d Fire Control Test (Contd						
NB.	ap		9.34 inclusive are weapon packs post SEM/FS/						
9.23	Wea	apon trigger.	Operate and hold.					aut e e-su	4
9.24		O' Alt start	Ensure lit.						
9.25		O' Alt start	Ensure not lit.						
9.26	arı	S/LFS screen, ming panel I CRT.	Ensure PAS/LFS lamp, Event 1 and Port 'W' marker extinguish for between 4 to 6 seconds and Event 2 and Starboard 'W' markers extinguish and remain extinguished.						
9.27	Wea	apon trigger.	Release.						
9.28	Wea	apon trigger.	Operate and hold						
9.29		O' Alt start mp.	Ensure lit.						
9.30	arı	S/LFS screen, ming panel d CRT.	Ensure PAS/LFS lamp, Event 1 and 2 indicators and Port and Starboard 'W' markers are not visible.						
9.31	Wea	apon trigger.	Release.						
9.32 9.33		t start lamps.) g/Jet lamp.)	Ensure extinguished.						
9.34		sfire dicators.	Ensure operated.						
						7,840			
								v je	
E B I L									
	4	244		-	ntinu				ــــــــــــــــــــــــــــــــــــــ

CHAP	2	FLT SYST	SERVICING PROCEDURES		AP1	01B-1000-5A3 Section 1		
SP NO	113	CONTINUED	LICHTNING		(1st Edition	Z 1 1 2 2 1 1 1 1	
HEET	9	AL 20	■ ◀	AC 1	10	DATE		•
Safety	and Se	ervicing Notes are	to be complied with throughout	n1	SER	VICING RECOR	RD	
he wor	k deta	ailed on this card.		(1)	(2)	(3)	(4)	(5
L		FL	T SYST					
10.	Scar	Test (Pairs)		1				
10.1	Fund	ction switch.	Set to 'PITCH SCAN'.				4-4	
10.2		ulation scan tch.	Set to 'ZERO'.	ŀ				
10.3	Set	10V control.	Adjust for M1 indication of 10V.					
10.4		ulation scan tch.	Set to 'FSD'.					
10.5		to 20V	Adjust for M1 indication of 20V.					
10.6		ulation scan tch.	Set to 'USE'.					
10.7	Met	er M1.	Ensure indication is not greater than 10V.					
10.8	•	on selector	Set to 'PO'.					
10.9	Met	er M1.	Ensure indication is not greater than 10V.					
10.10) Met	er switch.	Set to 'YAW SCAN'.					
10.11	L Met	er M1.	Ensure indication is not greater than 10V.					
10.12	•	on selector	Set to 'SO'.					
10.13	3 Met	er M1.	Ensure indication is not greater than 10V.					
10.14		re control set switch.	Operate.					
10.1	5 Met	ter M1.	Ensure indication is between 15 and 19V.					
10.1	-	lon selector	Set to 'PO'.					
		ter M1.	Ensure indication is between 15 and 19V.	Co	ontinue	ed.		L

CHAP 1	2 FLT SYST	SERVICING PROCEDURES			Section	Linearin
-		- DIGHTHING	_		(1st Edition)	
	10 AL 20	—	AC 1	-	DATE	-
	and Servicing Notes are c detailed on this card	to be complied with throughout	(1)	(2)	RVICING RECOR	(4) (5
	F	LT SYST	1	(2)	(3)	147 ()
10.	Scan Test (Pairs)	(Contd)				
		Set to 'PITCH SCAN'.				
		Set to FITCH SCAN .				
10.19	Meter M1.	Ensure indication is between 15 and 19V.				
10.20	Pylon selector switch.	Set to 'SO'.				
10.21	Meter M1.	Ensure indication is between 15 and 19V.				
11.	Scan Test (Singl	es).				
11.1	Singles/Pairs switch.	Set to 'SINGLES'.			, , , , , , , , , , , , , , , , , , ,	
11.2	Function switch.	Set to 'TARGET DET'.				
11.3	PAS/LFS screen, arming panel and CRT.	Ensure PAS/LFS lamp and Event 1 and 2 lamps and Port and Starboard 'W' markers are lit.				
11.4	Weapons trigger.	Operate and hold.				
11.5	SO Alt start lamp.	Ensure lit.				
11.6	PAS/LFS screen, arming panel and CRT.	Ensure PAS/LFS lamp, Event 1 and Port 'W' marker extinguish for between 4 and 6 seconds and Event 2 lamp and Starboard 'W' marker extinguish and remain extinguished.				
11.7	Weapons trigger.	Release.				
11.8	Function switch.	Set to 'PITCH SCAN'.				
11.9	Meter M1.	Ensure indication is not greater than 10V.				
11.10	Function switch.	Set to 'YAW SCAN'.				
11.11	Meter M1.	Ensure indication is not greater than 10V.			ed	

HAP	2	FLT SYST	SERVICING PROCEDURES LICHTNING			01B-1000-5A3 Section 1		
P NO	113					1st Edition)		
HEET	11.	AL 20	K	AC 1		DATE .	the Real Property lies, the Re	•
afety	and Se	rvicing Notes are	to be complied with throughout			VICING RECOR		(-)
ne wor	rk deta	illed on this card.		(1)	(2)	(3)	(4)	(5)
		FI	LT SYST	r da				
		- /2: 1	(0-1)					
11.	Scar	Test (Single	s) (Conta)		-			
11.12	Pylo	on selector	Set to 'PO'.					
	swit							
				P-94				
11.13	Mete	er M1.	Ensure indication is between 15 and 19V.					
			between 15 and 19v.					
11.14	Fund	ction switch.	Set to 'PITCH SCAN'.		,			
			HERITA IN INSERTATION IN			1 1		7
11.15	Mete	er M1.	Ensure indication is			1 / 1 / 1 P		
			between 15 and 19V.			1'		
11.16	Fund	ction switch.	Set to 'TARGET DET'.					
11.17			Ensure PAS/LFS on and	1				
		ing panel	Event 1 lamps and Port 'W' markers are lit.	1				
	and	CRT.	w markers are iit.					
11.18	3 Wear	oons trigger.	Operate and hold.					
11.19		and SO Alt	Ensure lit.					
	stai	rt lamps.		1				
11.20	D PAS,	/LFS screen,		1				
	arm	ing panel	Event 1 and 2 lamps and	1				
	and	CRT.	Port and Starboard 'W'	1				
			markers are extinguished.					
11.2	1 Wear	pons trigger.	Release.					
11.2	2 Fun	ction switch.	Set to 'PITCH SCAN'.					
11 2	2 Ma+	er Ml.	Ensure indication is not					1
11.2	J Met	CI MIT.	greater than 10V.			er "w jig		
11.2	4 Fun	ction switch.	Set to 'YAW SCAN'.				91	
11 0	5 M-+	er M1.	Ensure indication is not					
11.2	J Met	CT MT.	greater than 10V.					
			게 지나가는 그는 그리는 화가셨다.					
11.2		e control	Operate.					
	res	et switch.	n de la Companya de Carte de Carte de Carte de Carte de Carte de Carte de Carte de Carte de Carte de Carte de La carte de Carte de Carte de Carte de Carte de Carte de Carte de Carte de Carte de Carte de Carte de Carte de					
11.2	7 Met	er M1.	Ensure indication is					
			between 15 and 19V.	le le			. 177	
				0.7				
11.2	8 Mis	fire licators.	Reset.				-	1
		26		-	ntinu	nd .		

CHAP	2	FLT SYST	SERVICING PROCEDU	RES	AP1	01B-1000-5A3 E					
SP NO	113	CONTINUED	LICHTNING	hine .	(Section 1 1st Edition)					
SHEET	12	AL 20		AC 1		DATE .					
Safety	and s	Servicing Notes are	be complied with throug		SERVICING RECORD						
		tailed on this card.		(1)	(2)	(3)	(4)	(5)			
12.	AI	FL Slaving Tests (SYST								
12.1	Fur	nction switch.	Set to 'AI PITCH'.								
12.2	Of	fset switch.	Set to 'MINUS 5' de	egrees.							
12.3		ror offset itch.	(i) Adjust for Maindication nearest to ze								
			(ii) Ensure final does not exce 0.5 degrees.	error							
			(iii) Set to 'O' do	egrees.							
12.4	Of	fset switch.	Set to 'MINUS 4' do	egrees.							
12.5		ror offset itch.	(i) Adjust for Maindication not zero.			٠					
			(ii) Ensure final does not exc. 0.35 degrees	eed		1.00					
		*	(iii) Set to '0' d								
12.6	0f:	fset switch.	(i) Set to 'MINU 'PLUS 1' and 4' degrees i and for each	'PLUS n turn sensin	-						
			setting repe Sub-item 12. (ii) Set to 'PLUS degrees.	5.							
12.7		ror offset itch.	(i) Adjust for M indication n to zero.								
			(ii) Ensure final does not exc 0.5 degrees.								
12.8	Of	fset switch.	Set to 'PLUS 10' d	egrees.							
12.9	Ме	ter M2.	Ensure indicates i sector lower scale								
			paragraph (Line and Control								
				4.7							
SMS/	10	26A		arena di di	ntinue			ــــــــــــــــــــــــــــــــــــــ			

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CHAP SP NO	2	FLT SYST	SERVICING PROCEDURES LIGHTNING			101B-1000-5. Section (1st Edition	1 -	
	13	AL 20		10.1		``		
HEEL			<u> </u>	AC I		RVICING REC	The second second second	<u> </u>
		ervicing Notes are a ailed on this card.	to be complied with throughout	(4)	(2)	(3)	(4)	(5)
				1(1)	(2)	(3)	(4)	(5)
		FI	T SYST					
12.	AI	Slaving Tests	(Test 1) (Contd)		1.8		114	
12.10	O Off	Set switch.	'MINUS 10' and 'MINUS 15' degrees in turn and for each setting repeatuble.					
			(ii) Set to '0' degrees	•				
13.	AI.	Slaving Tests	(Test 2)					
13.1	_	gnal Phase Ltch.	Set to 'NORMAL'.			Tu .		
13.2	Fur	nction switch.	Set to 'AI YAW'.				1 1 2	
13.3	Tes	sting.	Repeat Sub-items 12.2 to 12.10 inclusive.					
14.	AI	Slaving Tests	(Test 3)		ľ			
14.1		lon selector	Set to 'SO'.					
14.2	Fur	nction switch.	Set to 'AI PITCH'.					
14.3	Tes	sting.	Repeat Sub-items 12.2 to 12.10 inclusive.					
15.	AI	Slaving Tests	(Test 4)					
15.1		gnal Phase itch.	Set to 'REVERSE'.					
15.2	Fu	nction switch.	Set to 'AI YAW'.					
15.3	Te	sting.	Repeat Sub-item 12.2 to 12.10 inclusive.					
NB:	on		nclusive are applicable tted with SE400 Post					
16.	De	pressed LFS Tes	sts (Test 1)					
16.1		lon selector	Set to 'PO'.					
1915	为	27	일어 : [1] [1] [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	_	ntinu	1		

CHAP SP NO	2	FLT SYST	SERVICING PROCEDURES			101B-1000 Sect	ion 1		
	113					(1st Edit			
SHEET	14	AL 20		AC N	_	D		• • •	•
		Servicing Notes are tailed on this card.	to be complied with throughout	(1)	(2)	RVICING I		(4)	(5)
			m cuan	(1)	(2)	(3		(4)	(5)
		Fl	T SYST						
16.	Dep	ressed LFS Tes	ts (Test 1) (Contd)						
16.2	Fur	nction switch.	Set to 'AI PITCH'.						
16.3	Met	ter M2.	Ensure indicates within green sector lower scale.				, , , , , , , , , , , , , , , , , , ,		
16.4	LFS	S/CRT switch.	Set to 'LFS D'.						
16.5	Met	ter M2.	Ensure deflects fully right.						
16.6	Off	fset switch.	Set to 'PLUS 5' degrees.						
16.7	Met	ter M2.	Ensure indicates within green sector.						
16.8	LFS	S/CRT switch.	Set to 'LFS'.						1
16.9	Me	ter M2.	Ensure indicates within green sector.			*			
16.10	0 Of:	fset switch.	Set to '0' degrees.						
17.	Dep	pressed LFS Tes	ts (Test 2)						
17.1		gnal phase itch.	Set to 'NORMAL'.						
17.2	Fu	nction switch.	Set to 'AI YAW'.						
17.3	Me	ter M2.	Ensure indicates within green sector.						
17.4	Te	sting.	Repeat Sub-items 16.4 to 16.10 inclusive.						
18.	De	pressed LFS Tes	ts (Test 3)						
18.	_	lon selector	Set to 'SO'.						
18.2		gnal phase itch.	Set to 'REVERSE'.						
18.3	3 Me	ter M2.	Ensure indicates within green sector.						
18.4	LF	S/CRT switch.	Set to 'LFS D'.		9	Lanton A		Maria Language	
SMS/	3	27A	Principal of the state of the s	Co	ntinu	ed	T ALCO	1-1/11:	

CHAP	2	FLT SYST	SERVICING PROCEDURES LIGHTNING			101B-1000-5A Section	1-	
	113	CONTINUED				(1st Edition		-
HEET	15	AL 20		AC N	-	DATE		•
		rvicing Notes are alled on this card.	to be complied with throughout			RVICING RECO		
THE WOL	x deta	tited on this card.		(1)	(2)	(3)	(4)	(5)
		FI	T SYST	100				
				1.00				
18.	Dep	ressed LFS Tes	ts (Test 3) (Contd)		- 0.1		10 Reserv	
18.5	Mat	er M2.	Ensure deflects fully					
10.5	Me co	SI MZ.	left.	i na				
							and the special	
18.6	Off	set switch.	Set to 'MINUS 5' degrees.		l			
			Ensure indicates within	1				
18.7	Met	er M2.	green sector.	1				
			green sector.					
18.8	LFS	/CRT switch.	Set to 'LFS'.					
				İ				
18.9	Met	er M2.	Ensure indicates within					
			green sector.					
10 10	Off	set switch.	Set to '0' degrees.	l				
10.10	J 011	sec switch.	500 00 0 005		1			
19.	Dep	ressed LFS Tes	ts (Test 4)					
19.1	_	nal phase	Set to 'NORMAL'.					
	swi	tch.						
19.2	Fun	ction switch.	Set to 'AI PITCH'.	1				
19.2	ı un	001011 541100111		1				
19.3	Met	er M2.	Ensure indicates within					
			green sector. '					
10 1	m		Repeat Sub-items 18.4 to					1.
19.4	Tes	sting.	18.10 inclusive.			•		
				1		v v		
20.	Col	d Air Checks						
								Ì
20.1		rt and Starboar	rd					
		lon connector						
		Air pressure	Ensure indicates between					
	(a,	gauge.	175 and 225 lbf/in2.	1				-
	(b)	Red plunger.	Depressing logition consta	5		171,55		
		Air pressure	Ensure indication					
		gauge.	constant after initial					
			fall and rise.				10 10 10 10 10 10 10 10 10 10 10 10 10 1	
	(d)	Red plunger.	Release.	-				
21.	Loa	ad Shed and Ma	g/Jet Circuit Tests					
21.1	Fu	nction switch.		100				
			JET'.					1
				1				
	1 22	28		Oc	ntin	red.	1 1	

CHAP SP NO	2 FLT SYST * 113 CONTINUED	SERVICING PROCEDURES LIGHTNING			101B-1000-5A Section (1st Edition	1			
SHEET	16. AL 20		AC 1						
	<u> </u>	to be complied with throughout	AC NO DATE SERVICING RECORD						
	rk detailed on this card.		(1)	(2)	(3)	(4)	(5)		
	TO TO	LT SYST	1	1(2)	(3)	1 (4/	10,		
	· ·	LI SISI					1		
21.	Load Shed and Mag	/Jet Circuit Tests (Contd)							
							İ		
21.2	PAS/LFS screen,	Examine PAS/LFS, Event 1			5.0%	Sec. 17			
	arming panel	and Event 2 lamps and	1				1		
	and CRT.	Port and Starboard 'W'. markers are lit.	1				1		
		markers are III.							
21.3	Pylon load	Ensure lit.	1						
	lamp.								
21.4	Weapons trigger.	Operate and hold.							
01 5	SO Alt start	Ensure lit.							
21.5	lamp.	Elisare III.							
	ramp.					1	-		
21.6	Shed switch.	Operate.							
						1			
21.7	Mag/Jet lamp.	Ensure lights momentarily	4						
01 0	SO Alt start	Ensure extinguished.				1			
21.8	lamp.	Eligat C. Choringarolloat	1						
	ramp.								
21.9	Port acquisition	Ensure extinguishes for	1						
	lamp.	4 to 6 seconds.							
	0.7.1	Ensure extinguished.							
21.1	O Pylon load	Ensure excinguished.	1						
	lamp.								
21.1	1 Weapons trigger.	Release.	ŀ						
			1						
21.1	2 Starboard pylon	(i) Vent pressure to							
	connector box.	zero. (ii) Ensure pressure				1			
		gauge continues to							
		indicate zero.							
			1						
21.1	13 Misfire	(i) Ensure Starboard							
	indicators.	indicator has				1			
		operated. (ii) Ensure Port					1		
		indicator has not							
		operated.							
		(iii) Reset Starboard							
		indicator.			1 20 50 1				
01	14 Pylon selector	Set to 'PO'.							
21	switch.	250 00 10 .							
19-4	5	선생님을 선생하는 중요한 사람이 되었는 사람들이 그					'		
21.	15 Pylon load lamp.	Ensure lit.	L						
	/ EA ZYA		C	ontinu	red				

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N.	į
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HAP	2	FLT SYST	SERVICING PROCEDURES		AP	101B-1000-5. Section		
P NO.	113	CONTINUED	LICHTNING			(1st Edition		
HEET	17	AL 20	◄	AC 1	10	DATE		
afety	and s	Servicing Notes are to	be complied with throughout	AIT.	SE	RVICING REC	ORD	
he wo	rk de	tailed on this card.		(1)	(2)	(3)	(4)	(5
21. 21.1			SYST Jet Circuit Tests (Contd). Operate.					
	8 Po	lon load lamp.) wer-to-) rcraft lamp.)	Ensure extinguished.					
		ming panel.	(i) Ensure 'ARMING' lamp lit.(ii) Ensure 'ARMED' lamp flashing.					
	1 Ma	RMING' switch.) ster Armament) lector.)	Set to 'OFF'.					
21.2	22 Ar	ming panel.	(i) Ensure 'ARMING' lamp extinguished. (ii) Ensure 'ARMED' lamp extingusihed.					
21.2	23 No	se cover lamp.	Ensure extinguished.					
21.2		med time dicator.	Reset to zero.					
21.2		ster Armament elector.	Set to 'GW'.					
21.2	26 Ar	rming switch.	Set to 'ON'.					
21.2	28 Ar 1a 29 Py 30 Po	ARMING' lamp.) rming indicator) amp.) rlon load lamp.) ower-to-)	Ensure lit.					
21.3		ircraft lamp.) ose cover lamp.)						
NB:	th	ne arming period	not to be commenced until initiated in Sub-item d and the 'ARMED' lamp lit					
21.	SI	ontrol box SO EE/NOT SEE witch.	Set to 'NOT SEE'.					
CMC	1 33	29		Co	ontinu	red	7	

CHAP	2	FLT SYST	SERVICING PROCEDURES		AP1	01B-1000-5A3 E		o- IHI
SP NO	113	CONTINUED	LICETNING		(Section 1 1st Edition)		
SHEET	.18	AL 20	7	AC 1	07	DATE .		
Safety	and s	Servicing Notes are t	o be complied with throughout			VICING RECORD		
the wor	k de	tailed on this card.		(1)	(2)	(3)	(4)	(5)
21.	Los		I SYST <u>Jet Circuit Tests</u> (Contd)				
21.33	arı	S/LFS screen, ming panel d CRT.	Ensure PAS/LFS, Event 1 lamp and Port 'W' marker lit.					
21.34	We	apons trigger.	Operate and hold.					
21.35		ntrol box PO t start lamp.	Ensure lit.					
21.36	Sh	ed switch.	Operate.					
21.37	Ma,	g/jet lamp.	Ensure lit momentarily					77.
21.38		ntrol box PO)	Ensure extinguished.					
21.39		lon load lamp.)						
21.40) We	apons trigger.	Release.					
21.43		rt pylon nnector.	(i) Vent pressure to zero.			11,		
	*		<pre>(ii) Ensure gauge continues to indicate zero pressure.</pre>					
21.4		sfire dicators.	(i) Ensure Port indicator operated (ii) Ensure Starboard indicator not	i.				
			operated. (iii) Reset Port indication.					
22.	<u>A</u>]	Ltitude Gain Con	trol-Unit Checks (Test 1)					
22.1	Fu	unction switch.	Set to 'AGC'.					
22.2	Me	eter M1.	Check that indication in between 9 and 5 in . Hg.	S				
22.3	Le	eak tester.	(i) Connect to LSU static test point(ii) Set to 'SUCTION T STATIC'.					
			(iii) Operate pump unti meter M1 indicate		A			
SMS	25	\$ 29A	20 in. Hg.	C	ontinu	ed.		

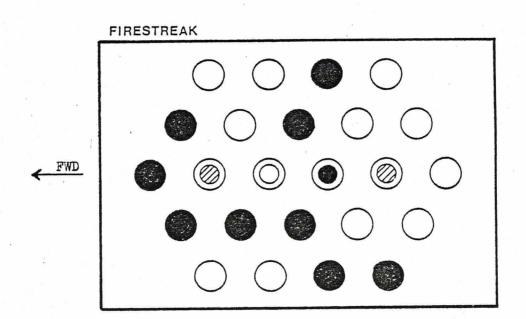
CHAP	2	FLT SYST		ES	AF	101B-1000-54 Section		
SP NO	113	CONTINUED	LIGHTNING					
SHEET	.19	AL 20	A	AC				•
Safety	Section Section Section Section Section Section SERVICING RECORD SERVICIN							
tne wo	rk de	tailed on this card		(1)	(2)	(3)	(4)	(5)
		F	LT SYST		g julië			
22.	Δ1.	titude Gain Cor	trol Unit Checks (Tes	st 1)				
	2							
22 4	Dyr	lon colector	Set to 'PO'					
22.4	-			ng sa katalan da katalan da katalan da katalan da katalan da katalan da katalan da katalan da katalan da katal Managalan da katalan d				
			Objects in disables in					
22.5	Me	ter MI.						the light
22.6			Set to 'SO'.					
	SW.	r cerr.						
22.7								
	se	lector.						
			The state of the s					
22 8	۸ <i>C</i>	C switch	Set to 'RELAY SET'	and				
22.0	, AG	C SWICCH.						
22.9	AG	C set control.	until meter N indicates zer	12				
			adjustment ur meter M2 sudd	ntil				
22.1	O Me	ter M2.		ithin				
22.1	1 AG	C switch.	Set to 'RELAY'.					
22.1	.2 Me	ter M2.		ains				
22.1	.3 AG	C switch.		and				
22.1	.4 AG	C set control.	clockwise un	til				
j: .			zero.	San San San San San				
			(ii) Continue an clockwise ad					
	13		ment until m	eter M2			25 Cal	
14.5			suddenly def	lects.		The state of		1
						Charles and	16	
SMS/	124	30	the state of the s	or Marine 1 Tay	Contin	red		

CHAP SP NO	2	FLT SYST	SERVICING PROCEDURES		AP101B-1000-5A3E Section1					
+			DIGHTNING		(1st Edition)					
SHEET	20	AL 20	◆		AC NO DATE					
Safety and Servicing Notes are the work detailed on this card.			to be complied with throughout		SERVICING RECORD					
the wor	K det	alled on this card.		(1)	(2)	(3)	(4)	(5)		
22.		itude Gain Cont	SYST							
22.15		ntd) er M2.	Ensure indicates within Green sector.							
22.16	AGC	switch.	Set to 'RELAY'.							
22.17	Met	er M2.	Ensure pointer remains steady.							
23.	Alt	itude Gain Cont	rols Unit Check (Test 2)							
23.1	-	on selector	Set to 'PO'.							
23.2	Tes	ting.	Repeat Sub-items 22.8 to 22.17 inclusive.							
23.3	Lea	k tester.	(i) Set to 'RELEASE'.(ii) Reduce vacuum to							
			zero. (iii) Disconnect and stow							
24.	Ger	neral		*						
24.1	swi	ster armament) itch.) ming switch.)	Set to 'OFF'.					9		
24.3	Arn	ning panel.	Ensure all lamps extinguished.							
24.4	Wea	apons trigger.	Set to 'SAFE'.							
24.5	FLS	S switch.	Set to 'CRT'.							
25.	Ger	neral								
25.1		mament safety eak key.	Fit.							
25.2		ound arming	Remove.							
25.3		sfire dicator.	Reset.							
	h			1	ntinu			L		

SMS	
17A	

CHAP		SYST		SERVICING PROCEDURES			Sec	00-5A3 E tion 1			
SP NO 1	.13 CONTINUED		LICHTNING			(1st Edition)					
SHEET						AC NO DATE					
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.					(1)	(2)		3)	(4)	(5)	
		FLI	SYST								
25.	General	(Contd)					1994				
25.4	Fire cont	est set.					, , , , , , , , , , , , , , , , , , ,			,	
	(a) Power	raft)									
	switch (b) Power Consc switch	r-to-)	Set to	O 'OFF'.							
25.5	115V 2.4	kHz GPU.		Set to 'OFF'.							
				Stop engine. Disconnect from fire control system test set.	1						
25.6 25.7	28V d.c. Ground co	supply.) poling)	(i) (ii)	Set to 'OFF'. Disconnect.							
25.8	Armament installatest set			Disconnect. Stow.							
25.9	AI slavin	ng d adapter.	Remov	e.							
25.10	AI 70 way		Repla	ce.							
25.11	GW pack points.	test	Close	protective caps.							
25.12	Pylon co	nnectors.	(i) (ii)	Remove. Stow.							
	Pylon ba	se •	Fit.								

CHA	CHAP	2	FLT SYST	SERVICING PROCEDURES	AP101B-1000-5A3E Section 1					
	SP NO 113 CONTINUED		CONTINUED	LICHTNING	(1st Edition)					
	SHEET	22	AL 20		AC NO DATE					
	Safety and Servicing Notes are to be complied with throughout				SERVICING RECORD					
	the work detailed on this card.				(1) (2) (3) (4) (5)					



- O NO PITTING PERMISSABLE
- SLIGHT PITTING PERMISSABLE
- MUST BE CLEAN

FIG 1

FIRESTREAK pylon connector

shs 32 stc

