										N.	<u> </u>						
CHAP	2	SP 11	3	SE	RVI	NG P	ROCED	URES		,	AP 1018-10 (Sect	00-5A3	E				
TRADE		FLT S	YST		Jul 1	GHTN	ING		4		(1st Edi	ion)				ACT	
SHEET	1	of 22	SHEET	7/5 3	5	6	AL	20	<b>⋖</b>		(	RAF Forr Revised J	an 78	)	TIME	$\dashv$	-
TITLE			Guided on - Tes		Pack					aft/E	ICING quipment	REC	OR	D	- T	EST	
Safety with t	and S hrough	ervicing	g Notes a work det	re to be ailed on	comp this	lied Car	d.		Date	:		100	٦r	S			
Specia	l Tool	s and E	quipment						Man	Initial	Brief De	ected	Man }	Initia			
10H/9: Post (	320950 Commar	D). nd Mod/	ving (Pl Firestre tem Test	eak/049	STC.				Tradesman Man Hrs	Tradesman Initials	Defect MOD ORN/S Who Appli	F720 SNOW en	Supervisor Man Hrs	Supervisor Initials			
NB	During switch	ng this	Procedu ot to be ts 400 h	ure the	ARM/	SAFE	E pefor	re	1	2	3		4	5			
			WEAP	ONS											۲	s	
1.	Prepa	aration	i.												1	E CAKUS	
1.1	ERUs	•	Er	nsure ma	ade S	AFE.	•								1	PROCEDURE	
			FLT S	SYST												PROC	
2.	Prepa	aration														ATED	
2.1	(a) (b) l	pit swi GW armi switch. Master selecto	ng ) ) ) Se or )	et to '(	OFF'.											ASSOCIATED	
	(c) :	switch. Single/ switch. LFS/CRT switch.	Pairs En	nsure se			INGLE	ES'.									
2.2	(b)	Base fairing Butt	gs.	emove.  i) Cloii) Exa	amine	e. - 1											
		Misfire indicat		eset.	ee Fi	.g 1	, .								1 1	RADES	-
3.	Fire	Contro	ol System	m Test	Set (	Pre	para	tion	)							TED 1	-
3.1	Vert	zontal/ cical ches.	/ S	Set to '	HORIZ	ZONT	AL'.		-		1					ASSOCIATED TRADES	
3.2	Pylo	)I	S	Set to '	so'.										-		1
	-	ector			ie .		,				*				1	SP NO	
									1				1	•	,	10	

SHEET	113	CONTINUED	SERVICING PROCEDURES LIGHTNING			101B-1000-5A3 E Section 1 (1st Edition)		
-	2	AL 18		AC N	0	DATE .		
Safety			to be complied with throughout		the street wife	RVICING RECORD		
		sailed on this card.	to be complied with this order	(1)	(2)	(3)	(4)	(5)
	hajiti ara-sada	FL	T SYST .	1				
3.		re Control Systemato).	em Test Set (Preparation)					
3.3		equency	Set to '3 kHz'.			1 1 1 1 1		
3.4	Lir	ne selector.	Set to 'LINE 1'.			, ,		
3.5	Fur	nction switch.	Set to 'INSULN.LL'.			. •		,
3.6 3.7	Err	fset switch. ) ror offset ) itch. )	Set to '0'.					
3.8 3.9	air Pov	wer-to- ) reraft switch.) wer-to- ) nsole switch.)	Set to 'OFF'.					
3.10		sulation scan	Set to 'USE'.			æ		
3.11		gnal phase	Set to 'REVERSE'.					
3.12	Py] cor	lon nnectors.	<ul><li>(i) Clean butt connectors.</li><li>(ii) Fit to Pylons,</li></ul>			• •		
			ensuring 0.256 in. spacer washer is fitted on rear securing bolt. (iii)Connect to junction box.					
3.13		furcated ble.	Connect.					
3.14		way unitor	Remove.		,			
3.15		slaving ble.	Connect in conjunction with adaptor test slaving.				<u>e</u>	
3.16	Co	ntrol box.	<ul><li>(i) Position in cockpit.</li><li>(ii) Connect to junction box.</li></ul>					:*:
SMS/			*	_	ntinu		_	

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CHAP	2	FLT SYST	SERVICING PROCEDURES		AP	101B-1000-5A3 E Section 1	E	
BP NO	113	CONTINUED	LICHTWING			(1st Edition)		
HEET	3	AL 18	The state of the s	AC N	ю	DATE .		
afety	and S	ervicing Notes are t	o be complied with throughout			RVICING RECORI		
he wor	rk det	ailed on this card.		(1)	(2)	(3)	(4)	(5)
		/ FLT	SYST					
_	T	. Control Syste	- Toot Set (Propagation)					
3.		ontd).	m Test Set (Preparation)					
		1						
3.17		control	Set to 'NOT SEE'.	1				
		tches.		1				
0 10	0	.t	Connect	1	1			
3.18		trol box	Connect.					
4.	Saf	Cety Break					,	
4.1	Arı	nament safety	Remove.	,				
		eak key.						
4.2	Gra	ound arming	Fit and operate.					
7.2	lir							
_		and language Cump	lies					
5.	MIS	scellaneous Supp	IIIes			1		
5.1		volt d.c.	(i) Connect.		1			
	sur	oply.	(ii) Switch on.					
5.2	115	5V 2.4 kHz	(i) Connect.					
	GPU	J.	<pre>(ii) Start. (iii) Adjust to 3000</pre>		ł			
			rev/min.		1			,
			(iv) Switch on supply.					
6	Cm	ound Cooling						
6.	GI	ound Cooling						
6.1	Tro	olley.	(i) Connect.				÷	
			(ii) Start.					
7.	Ins	sulation Checks						
7.1	Do:	wer-to-	Set to 'ON'.					
/ • I		msole switch.						
			France 154					
7.2		wer-to- nsole lamp.	Ensure lit.				l	
7.3.		ster armament ) itch. )	Set to 'ON'.					
7.4		ming switch. )	per ou on .					
	*	a	Chart					
7.5	St	opwatch.	Start.					1
			*					
SMS/	24			Co	ntinu	ed.		

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CHAP	2	FLT SYST		SERVICING PROCEDURES		AP	01B-1000-5A3E Section 1		
SP NO	113	CONTINUED		LICHTNING			(1st Edition)		
SHEEL	4	AL 18		, ve	AC N	THE RESERVE	DATE .		•
Safety	and S	Servicing Notes are t	o be com	plied with throughout		_	RVICING RECORD		
the wor	rk de	tailed on this card.			(1)	(2)	(3)	(4)	(5)
		FL	r syst						
7.	Ins	sulation Checks	(Cont	d)			. 1. 1		
7.6		med time dicator.	Ensur	e operating.					
7.7	Ar	ming panel.	(i) (ii)	Ensure arming lamp is lit. Ensure armed lamp is flashing.					*
7.8		se cover	Ensur	e lit.					
7.9		ntrol box art lamps.		Ensure extinguished Allow warm up period until M1 deflects.				ē	
7.10		sulation an switch.	Set t	co 'ZERO'.			8		
7.11		st set 1M ntrol.		t until M1 ates 1 Mohm.					
7.12		sulation an switch.	Set t	co 'FSD'.					a
7.13		est set 4M entrol.		et until M1 cates 4 Mohms.					
NB:	if th	ring Sub-items ? any M1 indication in the test is to be aformed.	ion is	7.16 inclusive, less than 2 Mohms ntinued and NCO		a			
7.14		sulation scan		Set to 'USE'. Check M1 indication.					
7.15	Fu	nction switch.	(i) (ii)						
7.16	Li	ine selector.	(i) (ii)		T V				
				*					
		<u> </u>			-	ntimu			

CHAP	2	FLT SYST	SERVICING PROCEDURES	-	AP	101B-1000-5A3 Section 3					
P NO	113	CONTINUED	LICHTNING			(1st Edition)		7.6 1			
HEET	5	AL 23	16.1	AC 1	07	DATE					
Safety	and S	Servicing Notes ar	e to be complied with throughout	el ar	SERVICING RECORD						
		tailed on this car		(1)	(2)	(3)	(4)	(5)			
			FLT SYST	d I							
				1							
8.	Lir	ne Resistance	and 2 Minute Arming Test.	4.30	1						
8.1	Fur	nctionswitch.	(i) Set to 'LINE RESISTANCE'.								
			(ii) Check M1 indicates zero.								
								12.			
8.2		ver-to- ccraft switch.	Set to 'ON'.			TERRITE B		1			
8.3	Por	ver-to-									
0.3	20 70 10	craft lamp.	) Ensure lit.								
8.4		lon load lamp.	)		1						
8.5	Arı	ming panel.	(i) Ensure arming lamp								
			remains lit and		1						
			armed lamp is extinguished.	1				1			
			(ii) Ensure armed lamp								
			lights after a	1			- 1				
			period of between								
			1 minute 30 seconds	5							
			and 2 minutes 15	1							
			seconds.	1							
NB:			8.14 inclusive are to be	1	1						
	ca	rried out with	nin the arming time. During	1							
	Su	b-items 8.6, 8	3.11 and 8.14, if there is	1							
	no	discernible (	deflection of M1 pointer the iscontinued immediately and		1						
	th	e Flt Syst NC	o informed.	1		- b - 1 - 1 - 1 - 1					
8.6	Me	ter M1.	Note voltage indication on Blue scale.								
			on Blad Boals	-		100					
8.7	Li	ne selector.	Set to 'LINE 1'.								
8.8	Ме	ter M1.	(i) Note voltage			4 1 1 1 1					
Sept.			reading on blue scale and add to								
			that noted in Sub-								
			item 8.6. (ii) Ensure sum does no	+							
	*		(ii) Ensure sum does no exceed 2.5 volts.	Ĭ		E Transit of the					
			Set to 'LINE 2'.								
8.9	Li	ne selector.	Set to TIME 2.			A Paris de la Company	30.				
8.10	О Ру	olon selector	Set to 'PO'.			1-86					
	sv	vitch.	Land and the first state of the	_							
SMS	1 2	Linux.	11 40	C	ontin	ued	10.0				

CHAP SP NO	2 113	FLT SYST	SERVICING PROCEDURES LIGHTNING			101B-1000-5A Section	1	
				<u> </u>		(1st Edition)		
SHEET	6	AL 18		AC 1		· · · DATE		•
		ervicing Notes are ailed on this card	to be complied with throughout		SE	RVICING RECOR	RD	
THE MOT	rk det	alled on this care	1.	(1)	(2)	(3)	(4)	(5
		F	LT SYST					
8.		e Resistance antd).	and 2 Minute Arming Test	l ten	B.3	in Literatur, j	ne.	
8.11	Vol	tage check.	Repeat sub-items 8.6 to 8.8 inclusive.	1	- 1110		NO.	
8.12	Fun	ction switch.	Set to 'AGC'.					
8.13	-	on selector	Set to 'PO' and 'SO' in turn and ensure meter M2 indicates zero at each position.					
NB:	arm		be commenced until the actuated in Sub-item 8.5 is					
9.	Tar	get Detector	and Fire Control Test.					
9.1	Fun	ction switch.	Set to 'TARG DET'.			1		
9.2	arm	/LFS screen ing panel CRT.	Ensure PAD/LFS lamp, Event 1 and Event 2 indicators and Port and Starboard 'W' markers are not visible.					
9.3		trol box PO ector.	Set to 'SEE.					
9.4	arm	/LFS screen, ing panel CRT.	Ensure PAS/LFS Event 1 lamps and Port 'W' markers are lit.					
9.5		trol box PO ector.	Set to 'NOT SEE'.					
9.6	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.		7			
9.7		trol box SO ector.	Set to 'SEE'.					
9.8	arm	/LFS screen, ling panel	Ensure PAS/LFS lamp and Event 2 lamps and Starboard 'W' markers		1.0			
	2A		are lit.		ntinue		-	L

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CHAP	2	FLT SYST	SERVICING PROCEDURES		AP	101B-1000-5A3E Section 1		
P NO	113	CONTINUED	LIGHTNING			(1st Edition)		
HEET	7	AL 20		AC N	-	DATE .		
			be complied with throughout			RVICING RECORD		, .
the wor	rk det	ailed on this card.		(1)	(2)	(3)	(4)	(5)
		FLT	SYST					
9.	Tar	get Detector and	d Fire Control Test (Contd					
9.9		atrol box SO	Set to 'NOT SEE'.					
9.9		ector.	set to NOT SEE .					
		,	Decree DAG /I DG 1					
9.10		S/LFS screen, ning panel	Ensure PAS/LFS lamp, Event 1 and Event 2					
		CRT.	indicators, and Port					
			and Starboard 'W'					
			markers are not visible.					
9.11		ntrol box PO )						
0 10		lector. )	Set to 'SEE'.		1			
9.12		trol box SO )				}		
9.13		S/LFS screen,	Ensure PAS/LFS lamp, Event 1 and Event 2					
		ning panel	lamps and Port and					
	and	. CALL	Starboard 'W' markers					
			are lit.				1	
9.14	Sir	ngles/Pairs	Set to 'PAIRS'.					
J		itch.						
NB.	Sub	o-items 9.15 to	9.22 inclusive are				1	
	-	X ,	weapon packs pre SEM/FS/		1		1	
	017	7/STC					1	
9.15	Wea	apon trigger.	Operate and hold.				1	
9.16		o' and 'SO'	Ensure light in sequence					
	Alt	start lamps.	at intervals of approx- imately 1/2 second.					
			Imacci, 1, 2 2000					
9.17	Mag	g/Jet lamp.	Ensure not lit.					
9.18		S/LFS screen,						
8		ming panel	Event 1 and 2 indicators and Port and Starboard	1			1	
	and	d CRT.	'W' markers are not					
			visible.					
9.19	Wea	apon trigger.	Release.					
9.20	Al	t start lamps. )	Ensure extinguished.					
9.21	Mag	g/Jet lamp. )	Pupare excrudatonea.					
9.22	Mi	sfire	Ensure operated.					
J. LZ		dicators.						
Ĭ		T #	•					1
		a						1_
SMS/	18		*	Co	ntinu	led.		

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CHAP	2	FLT SYST	SERVICING PROCEDURES		AP	101B-1000-5A3	E	
SP NO	113	CONTINUED	LICHTNING			Section1 (1st Edition)		
SHEET	8	AL 20	1	AC N	10	DATE		
Safety	and Se	rvicing Notes are	to be complied with throughout	1	-	RVICING RECOR	-	
the wor	rk deta	iled on this card.		(1)	(2)	(3)	(4)	(5)
		FI	T SYST					
9.	m				İ			
	Tarv	get Detector an	nd Fire Control Test (Contd					
NB.	app:		9.34 inclusive are p weapon packs post SEM/FS/					
9.23	Wea	pon trigger.	Operate and hold.					
9.24	'so	' Alt start	Ensure lit.					
	lamp	p.			1			
9.25	'PO	' Alt start	Ensure not lit.					
	lamp							
0.26	DAG	/T FIG	D D30/7-72 3					
9.20		LFS screen, ing panel	Ensure PAS/LFS lamp, Event 1 and Port 'W'					
		CRT.	marker extinguish for			1		
(a)			between 4 to 6 seconds					ĺ
	,		and Event 2 and Starboan	3				
			'W' markers extinguish		1		1	1
			and remain extinguished.			,		
9.27	Wear	oon trigger.	Release.					
9.28	Wear	oon trigger.	Operate and hold					
9.29	'PO' lamp	Alt start	Ensure lit.					
9.30	PAS/	LFS screen,	Ensure PAS/LFS lamp,					*
		ng panel	Event 1 and 2 indicators	1				
	and	CRT.	and Port and Starboard	1				
			'W' markers are not	1	1	1		1
			visible.					
9.31	Weap	on trigger.	Release.					
9.32	Alt	start lamps.)						
9.33		Jet lamp. )	Ensure extinguished.	i	1			
9.34	w: - c			l	1			
9.34	Misf	cators.	Ensure operated.				1	l
	11101	cacors.			١.			
*				1	1			
		•						1
								1

CHAP	2	FLT SYST	SERVICING PROCEDURES		AP	101B-1000-5A3 Section 1	E	
SP NO	113	CONTINUED	LIGHTNING			(1st Edition)	1	
SHEET	9	AL 20	4	AC N	-	DATE .	THE RESIDENCE PROPERTY.	•
		rvicing Notes are iled on this card.	to be complied with throughout	1		RVICING RECORD		<i>(</i> )
VII6 WO	X dova			(1)	(2)	(3)	(4)	(5)
		FI	T SYST	1				
10.	Scan	Test (Pairs)				1 1 1 1		
10.1	Func	tion switch.	Set to 'PITCH SCAN'.					
10.2	Insu swit	lation scan	Set to 'ZERO'.					
10.3	Set	10V control.	Adjust for M1 indication of 10V.					
10.4	Insu swit	lation scan	Set to 'FSD'.			• #		
10.5		to 20V	Adjust for M1 indication of 20V.					ŧ
10.6	Insu	lation scan	Set to 'USE'.					
10.7	Mete	er M1.	Ensure indication is not greater than 10V.				i e	1
10.8	Pylo swit		Set to 'PO'.					
10.9	Mete	er M1.	Ensure indication is not greater than 10V.					
10.10	Mete	er switch.	Set to 'YAW SCAN'.			-		
10.11	Mete	er Ml.	Ensure indication is not greater than 10V.					
10.12	Pylo swit		Set to 'SO'.					
10.13	Mete	er M1.	Ensure indication is not greater than 10V.			, ,		,
10.14		e control et switch.	Operate.			,		
10.15	Mete	er M1.	Ensure indication is between 15 and 19V.					
10.16	S Pylo	on selector	Set to 'PO'.			•		
10.17 SMS/		er M1.	Ensure indication is between 15 and 19V.	_	tinue	<u> </u>		

CHAP SP NO	2	FLT SYST	SERVICING PROCEDURES LIGHTNING	AP101B-1000-5A3E Section 1 (1st Edition)						
-	-		-	AC NO DATE						
SHEET	10	AL 20	H	AC N	-		_	•		
		ervicing Notes are tailed on this card.	to be complied with throughout	(1)	(2)	RVICING RECO		1=		
			*	(1)	(2)	(3)	(4)	(5		
		FL.	r syst							
10.	Scar	Test (Pairs)	(Contd)							
10.18	Fund	ction switch.	Set to 'PITCH SCAN'.							
10.19	Mete	er M1.	Ensure indication is between 15 and 19V.			Y.				
10.20	Pylo swi		Set to 'SO'.							
10.21	Mete	er M1.	Ensure indication is between 15 and 19V.			·				
11.	Scar	n Test (Single	<u>s</u> ).							
11.1	Sing swi	gles/Pairs tch.	Set to 'SINGLES'.							
11.2	Fund	ction switch.	Set to 'TARGET DET'.			* ,	-			
11.3	arm	/LFS screen, ing panel CRT.	Ensure PAS/LFS lamp and Event 1 and 2 lamps and Port and Starboard 'W' markers are lit.							
11.4	Wear	oons trigger.	Operate and hold.							
11.5	SO A	Alt start	Ensure lit.							
11.6	arm	/LFS screen, ing panel 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	Wea	pons trigger.	Release.							
11.8	Fun	ction switch.	Set to 'PITCH SCAN'.			*, *				
11.9	Met	er M1.	Ensure indication is not greater than 10V.							
11.10	Fun	ction switch.	Set to 'YAW SCAN'.							
		er M1.	Ensure indication is not			<u> </u>				
SMS/	19 A		greater than 10V.	Co	ntinue	ed.				

CHAP SP NO	2 113	FLT SYST	SERVICING PROCEDURES			101B-1000-5A3 Section 1				
				-	(1st Edition)  AC NO DATE					
SHEET	11	AL 20	H					•		
		Servicing Notes are tailed on this card.	to be complied with throughout	SERVICING			<del></del>			
the wo	rk de	tailed on this card.		(1)	(2)	(3)	(4)	(5)		
		FL	T SYST							
	_		) (a = 1)							
11.	Sca	an Test (Singles	(Contd)							
11.12	Pv	lon selector	Set to 'PO'.							
		itch.								
11.13	8 Met	ter M1.	Ensure indication is between 15 and 19V.							
			between 15 and 19V.							
11.14	4 Fur	nction switch.	Set to 'PITCH SCAN'.							
11.15	5 Met	ter M1.	Ensure indication is							
			between 15 and 19V.	1	1					
11.16	5 Fur	nction switch.	Set to 'TARGET DET'.	1						
11.10	<i>y</i> 1 a1	ic dion' Bwi com.			1					
11.17	7 PAS	S/LFS screen,	Ensure PAS/LFS on and	1	1					
		ming panel	Event 1 lamps and Port	1	1					
	and	d CRT.	'W' markers are lit.							
11.18	R We:	apons trigger.	Operate and hold.							
1 1			- V							
11.19	9 PO	and SO Alt	Ensure lit.		1					
	sta	art lamps.		1		1				
11 20	η ΡΔ	S/LFS screen,	Ensure PAS/LFS off,	1						
11.00		ming panel	Event 1 and 2 lamps and	1	1					
		d CRT.	Port and Starboard 'W'							
			markers are extinguished.					1		
11 2	1 Wa	apons trigger.	Release.			7 13				
11.2.	- we	abour or igaer.								
11.22	2 Fu	nction switch.	Set to 'PITCH SCAN'.			,				
	2. 35		Ensure indication is not							
11.23	∃ Me	ter M1.	greater than 10V.					1		
			gi ca oci onan 10 v ·							
11.24	4 Fu	nction switch.	Set to 'YAW SCAN'.							
			2			,				
11.2	5 Me	ter M1.	Ensure indication is not greater than 10V.							
			greater than 10v.							
11.2	6 Fi	re control	Operate.							
	re	set switch.	-,*							
11 0	7 M-	ter M1.	Ensure indication is							
11.2	/ Me	CEL MIT.	between 15 and 19V.							
					1					
11.2		sfire	Reset.							
	in	dicators.				<u> </u>				
SMS/	20	,		Co	ntinu	ed				

CHAP	2	FLT SYST	1000	SERVICING PROCEDURES		AP101B-1000-5A3 E				
SP NO	113	CONTINUED		LICHTNING			Section 1 (1st Edition)	400		
SHEET	12	AL 20	20		AC NO DATE					
_		Servicing Notes are	to be com	plied with throughout		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	RVICING RECORD			
		tailed on this card.			(1)	(2)	(3)	(4)	(5)	
		FI	T SYST				1			
12.	AI	Slaving Tests	(Test 1	)			\$ 100 T		1 1	
12.1	Fur	nction switch.	Set to	o 'AI PITCH'.			,			
12.2	Of	fset switch.	Set to	o 'MINUS 5' degrees.						
12.3		ror offset itch.	(i)	Adjust for M2 indication						
			(ii)	nearest to zero. Ensure final error does not exceed				į.		
			(iii)	0.5 degrees. Set to '0' degrees.						
12.4	Of	fset switch.	Set t	o 'MINUS 4' degrees.						
12.5		ror offset itch.	(i)	Adjust for M2 indication nearest			, ''			
	, a a		(ii) (iii)	to zero. Ensure final error does not exceed 0.35 degrees. Set to '0' degrees.						
12.6	Of:	fset switch.	(i)	Set to 'MINUS 1', 'PLUS 1' and 'PLUS 4' degrees in turn and for each					781	
			(ii)	setting repeat Sub-item 12.5. Set to 'PLUS 5' degrees.						
12.7		ror offset	(i) .	Adjust for M2 indication nearest						
£		8	(ii)	to zero. Ensure final error does not exceed 0.5 degrees.						
12.8	Of	fset switch.	Set t	o 'PLUS 10' degrees.						
12.9	Me	ter M2.		e indicates in Green r lower scale.						
•		· ·	×							
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CHAP SP NO	2 113	FLT SYST	SERVICING PROCEDURES LIGHTNING	AP101B-1000-5A3 E Section 1 (1st Edition)					
	13	AL 23		AC 3		DATE			
HEET			he complied with throughout	AU I	-	VICING RECO			
he wo	and :	tailed on this card.	be complied with throughout	(1)	(2)	N. 107 Dec. 2000	. (4)	(5)	
		יום	SYST	(1)	1-/	\3/		17.	
		r L .	. 5151	713	1				
12.	AI	Slaving Tests (	Test 1) (Contd)				du ec	- 1	
12.10	0 Of	fset switch.	(i) Set to 'PLUS 15',     'MINUS 10' and     'MINUS 15' degrees     in turn and for     each setting repeat	181 18. 19.0 18.1	w # . 1 n_ 1		A Long		
			Sub-item 12.9. (ii) Set to '0' degrees.		10.775 1.5. 1		orodisor grapha markita		
13.	AI	Slaving Tests (	Test 2)	200	-				
13.1		gnal Phase	Set to 'NORMAL'.	7.					
13.2	Fu	nction switch.	Set to 'AI YAW'.						
13.3	Te	esting.	Repeat Sub-items 12.2 to 12.10 inclusive.						
14.	AI	Slaving Tests (	Test 3)			•			
14.1		rlon selector vitch.	Set to 'SO'.						
14.2	? Fu	unction switch.	Set to 'AI PITCH'.						
14.3	3 Т€	esting.	Repeat Sub-items 12.2 to 12.10 inclusive.						
15.	<u>A</u>	Slaving Tests (	(Test 4)			,			
15.1		ignal Phase witch.	Set to 'REVERSE'.						
15.2	2 Fi	unction switch.	Set to 'AI YAW'.			1			
15.3	3 T	esting.	Repeat Sub-item 12.2 to 12.10 inclusive.						
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				1		•	to ul		
						- 4	- 2 X 10 T		
GMG	/3			C	ontinue	d			

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CHAP	2	FLT SYST	SERVICING PROCEDURES	Aming Li	AP101B-1000-5A3E Section 1				
SP NO	113	CONTINUED	LICETNING		(	1st Edition)	-		
SHEET	14	AL 23	1 14	AC 1		DATE .		•	
Safety	and	Servicing Notes are	to be complied with throughout		_	VICING RECORD			
the wo	rk d	etailed on this card.		(1)	(2)	(3)	(4)	(5)	
			LT SYST	1.00	0,19				
NB 1	: I	tems 16 to 19 in o packs with SEM	clusive are applicable only /FS/015/STC embodied.						
NB 2	in li in in de	ndications on me imits specified, s to be adjusted ndication is obt ndication still offset switch' t	o 19 inclusive, if the ter M2 are not within the the 'error offset switch' until the correct ained. If the correct cannot be obtained set o PLUS 4 degrees or MINUS 4 able and use the 'error required.						
16.	_	epressed LFS Tes				,			
16.1	S	ylon selector witch.							
16.2	Fι	unction switch.	Set to 'AI PITCH'.						
16.3	Me	eter M2.	Ensure indicates within green sector lower scale.			•			
16.4	L	FS/CRT switch.	Set to 'LFS D'.						
16.5	M	eter M2.	Ensure deflects fully right.						
16.6	6 0	ffset switch.	Set to 'PLUS 5' degrees.						
16.7	7 M	leter M2.	Ensure indicates within green sector.						
16.8	3 L	FS/CRT switch.	Set to 'LFS'.					Ì	
16.9	9 M	Meter M2.	Ensure indicates within green sector.						
16.1	10 (	Offset switch.	Set to '0' degrees.						
17.	Ι	Depressed LFS Te	sts (Test 2)				1		
17.3	1 5	Signal phase	Set to 'NORMAL'.						
17.	2 1	Function switch.	Set to 'AI YAW'.			,			
17.	3	Meter M2.	Ensure indicates within green sector.				4		
17.	4	Testing.	Repeat Sub-items 16.4 to 16.10 inclusive.		Continu	ed			

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CHAP SP NO	113	FLT SYST	SERVICING PROCEDURES LICETINING	o i		O1B-1000-5A3E Section (1st Edition)	S				
				100	AC NO DATE						
HEEL	15	AL 23	the second of the second out	AC I	SERVICING RECORD						
the wor	and S rk det	ervicing Notes are ailed on this car	e to be complied with throughout	(1)	(2)	(3)	(4)	(5)			
			FLT SYST	night a	7.4						
18.	Dep	ressed LFS Te	sts. (Test 3)			<u> </u>	1.94	2			
18 <b>.1</b>		on selector	Set to 'SO'.		<u> </u>	e tampetic spool nod celembe	oto Es				
18.2		nal phase tch.	Set to 'REVERSE'.	ir wax au Pr au alga		en and g g egan engan					
18.3	Met	er M2.	Ensure indicates within green sector.	ordalge milgere e i le		STEEDING TO THE STEED OF THE ST					
18.4	LFS	/CRT switch.	Set to 'LFS D'.	n de la							
		ter M2.	Ensure deflects fully left.								
18.6	Ofi	fset switch.	Set to 'MINUS 5' degrees								
18.7	Me	ter M2.	Ensure indicates within green sector.								
18.8	LFS	S/CRT switch.	Set to 'LFS'.	n lek							
18.9	Me	ter M2.	Ensure indicates within green sector.								
18.1	0 Of	fset switch.	Set to '0' degrees.								
19.	<u>De</u>	pressed LFS Te	ests (Test 4)			1,100					
19.1		gnal phase itch.	Set to 'NORMAL'.								
19.2	2 Fu	nction switch	. Set to 'AI PITCH'.	150 m (ph.)		Lipture 100	L				
19.3	8 Me	ter M2.	Ensure indicates within green sector.	VA21.753		THE STATE OF THE S					
19.4	4 Te	esting.	Repeat Sub-items 18.4 to 18.10 inclusive.	0							
				MP4 m.á							
				out In is		Teggs I Victoria	in an				
			and the state of t	(R)		ny long brance	n and				
				(4)							
chi	5/4	A	testing or or attacked	C	ontim	red	7				

CHAP SP NO	113	FLT SYST	SERVICING PROCEDURES LICHTNING		Al	Sec	otion 1	A - and		
	16	AL 23		_	(1st Edition)					
HEET			<b>■</b> 0 (a) 1		AC NO DATE					
		ervicing Notes are to be complied with throughout ailed on this card.		-	SERVICING RECORD					
024 NO.	000	dille on this care.		(1)	(2)	(	(3)	(4)	(5)	
		F	LT SYST							
20.	Col	d Air Checks								
20.1	Por	t and Starboard	*							
	pyl	on connector				1				
		ces.		1						
*	(a)		Ensure indicates between 175 and 225 lbf/in2.							
	(h)	gauge. Red plunger.								
			Ensure indication							
		gauge.	constant after initial							
	/ 31	n-d -l	fall and rise.							
	(d)	Red plunger.	release.							
21.	Los	ad Shed and Mag,	/Jet Circuit Tests							
21.1	Fur	nction switch.	Set to 'LOAD SHED MAG/	İ						
٠.			JET'.		l					
21.2	PAS	S/LFS screen,	Examine PAS/LFS, Event 1							
		ning panel	and Event 2 lamps and							
•	and	d CRT.	Port and Starboard 'W'. markers are lit.		1			İ		
			markers are IIC.							
21.3	Py:	lon load	Ensure lit.							
		mp.								
01 4	Wa	anana tniagan	Operate and hold.							
21.4	we	apons trigger.	operate and note:	1						
21.5	SO	Alt start	Ensure lit.							
	la	mp.								
01 6	C h	ed switch.	Operate.							
21.6	511	ed switch.	,	1					Ì	
21.7	Ma	g/Jet lamp.	Ensure lights momentaril	Ly.						
			Ensure extinguished.							
21.8		Alt start	Ensure extinguished.		İ					
	14	inp.								
21.9	Po	ort acquisition	Ensure extinguishes for							
	la	. qm	4 to 6 seconds.							
21 1	O Pa	lon load	Ensure extinguished.	1						
21.1		amp.								
01 1	11 11/-	eapons trigger.	Release.							
< 1 • 1	r we	capour or igger.								
21.3	12 St	tarboard pylon	(i) Vent pressure to							
	C	onnector box.	zero. (ii) Ensure pressure							
			gauge continues t	o						
			indicate zero.		ontinu	ed				

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HAP P NO	113	FLT SYST CONTINUED	SERVICING PROCEDURES  LIGHTNING			01B-1000-5A3 Section1 (1st Edition)		
HEET	17	AL 23	<b>→</b> ***	AC N	ю	DATE .		
	and	Servicing Notes are t	o be complied with throughout	621	SEI	RVICING RECOR	0	de 7
he wo	rk d	etailed on this card.		(1)	(2)	(3)	(4)	(5)
1		FL	r syst	WY a				
21.	L	oad Shed and Mag/	Jet Circuit Tests (Contd)	14.2	Ew	H day bed		
21.1		disfire ndicators.	<ul> <li>(i) Ensure Starboard indicator has operated.</li> <li>(ii) Ensure Port indicator has not</li> </ul>	11 B (A)		Charte ( or to 1974)  - The second or 1974 or 1  - The second or 1974 or 1		
			operated. (iii) Reset Starboard indicator.			Approx ( 4 graph)		1 14
21.1		ylon selector witch.						
21.1	5 P	ylon load lamp.	Ensure lit.			V 1		
21.1	6 S	hed switch.	Operate.					
	8 P	Pylon load lamp.) Power-to- ) ircraft lamp. )	Ensure extinguished.					
21.1	9 A	arming panel.	<ul><li>(i) Ensure 'ARMING' lamp lit.</li><li>(ii) Ensure 'ARMED' lamp flashing.</li></ul>					
	1 M	ARMING' switch.) Master Armament ) Selector. )	Set to 'OFF'.				- 1	
21.2	2 A	Arming panel.	<pre>(i) Ensure 'ARMING' lamp extinguished. (ii) Ensure 'ARMED'</pre>					
			lamp extingusihed.		1			
21.2	23 N	Nose cover lamp.	Ensure extinguished.					
21.2		Armed time indicator.	Reset to zero.					
21.2		Master Armament selector.	Set to 'GW'.	i i			s I 'm est	
21.2	26 <i>A</i>	Arming switch.	Set to 'ON'.			***************************************	es <mark>v</mark> ers	
				de [, J				

CH		2	FLT SYST		SERVICING PROCEDURES		AP	101B-1000 Secti			
SP	NO	113	CONTINUED	1	LIGHTNING			(1st Edit	7.7		
SH	EET	18	AL 23	4		AC 1	ю	D	ATE		
				o be con	plied with throughout		SE	RVICING R	ECORD		4.4
th	e wor	x det	tailed on this card.			(1)	(2)	(3)		(4)	(5)
			FL	T SYST			7 19	V			VII.
21	1.	Loa	d Shed and Mag/	Jet Ci	rcuit Tests (Contd)					V V LIS	
21	1.27	' A F	RMING' lamp. )								
			ing indicator)								
0.1		lam					1				
			on load lamp.)	Ensur	e lit.						
			rcraft lamp. )	w -							
21	1.31	Nos	se cover lamp.)								
NF	В:	Sub	-item 21.32 is	not to	be commenced until						
	٠.		e arming period								
		21.	.26 is completed	and t	he 'ARMED' lamp lit.			11			
21	1.32	Cor	itrol box SO	Set t	o 'NOT SEE'.						
			NOT SEE								
			tch.		7.40 / FO Front 1						
21	33		/LFS screen,		e PAS/LFS, Event 1 and Port 'W' marker					.	
			CRT.	lit.	7 25 Managar (1907 7				1 11		
21	34	Wea	pons trigger.	Operat	te and hold.				ľ		۰
		Wea	hours or reger.	Opera	ce and nota.			1000			
21	L.35	-	trol box PO	Ensure	e lit.						
		Alt	start lamp.								
21	1.36	She	d switch.	Opera	te.			I		1	
21	1 37	Mao	g/jet lamp.	Ensure	e lit momentarily.						
51	L.J/	Mag	/Jec ramp.	Elisur,	e III momorrourity			111 1			
21	1.38		trol box PO )	_	2 -1- 4						
21	1 . 39		start lamp.) on load lamp.)	Ensur	e extinguished.			1 1			
21	1.40	Wea	apons trigger.	Relea	se.						
21	1.41	Por	t pylon	(i)	Vent pressure to			4 , 1			
			nnector.		zero.						
				(ii)	Ensure gauge continues to						
					indicate zero						
					pressure.						
21	1.42	Mis	sfire	(i)	Ensure Port			11	Di i		
			dicators.	(::\	indicator operated. Ensure Starboard			1111111	٦		
				(ii)	indicator not						
				1	operated.						
				(iii)	Reset Port indication.						
5	MS	15	A		indication.	Con	tinue	đ			-

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CHAP	2 113	FLT SYST	SERVICING PROCEDURES LICETTHING	1 11		Sect	ion		
SP NO		CONTINUED	DI WITH THE			(1st Edi			
TEET	19			AC N	_	RVICING	DATE		•
iafety	and rk de	Servicing Notes are tailed on this card	to be complied with throughout	(1)	(2)		RECORD	(4)	(5)
20	۸٦٠	grafia por contrata de la Tili	FLT SYST	mi a	244				
22.		· ·		Ш.	192.0	19 <sup>2</sup> ., <b>1</b> 1	WB_74	744	
22.1	Fu	nction switch.							
22.2	Me	ter M1.	Check that indication is between 9 and 5 in . Hg.		1	local	Tues de	<b>1</b> 8	
22.3	Le	ak tester.	(i) Connect to LSU static test point. (ii) Set to 'SUCTION TO						
			STATIC', (iii) Operate pump until meter M1 indicates 20 in. Hg.					, April	i deg
22.4	_	lon selector	Set to 'PO'.					lw ",	
22.5	Me	eter M1.	Check indication is 20 in. Hg.					Am o	
22.6		vlon selector	Set to 'SO'.						
22.7		eak test elector.	Set to 'RELEASE' and reduce vacuum until Meter M1 indicates 5 in. Hg.						
22.8	3 A	GC switch.	Set to 'RELAY SET' and hold.					1.0	
22.9	9 A	GC set control	<ul> <li>(i) Adjust clockwise until meter M2 indicates zero.</li> <li>(ii) Continue clockwise adjustment until meter M2 suddenly deflects.</li> </ul>						
22.	10 N	Meter M2.	Ensure indicates within Green sector.						
22.	11 /	AGC switch.	Set to 'RELAY'.	. 1		- valu		1.	
22.	.12	Meter M2.	Ensure pointer remains steady.	9 79			. #211w.		
22.	.13	AGC switch.	Set to 'RELAY SET' and hold.				# 1 #		
e M	5/0	^	And the state of t	C	ontim	red		h	

CHAP SP NO	2 FLT SYST 113 CONTINUED	SERVICING PROCEDURES LICETNING			101B-1000-5A3E Section 1 (1st Edition)		h
SHEET	20 AL 23		AC ?		DATE .		
		to be complied with throughout	TAC I	-	RVICING RECORD		•
	and Servicing Notes are k detailed on this card.	to be complied with throughout	(1)	(2)	(3)	(4)	(5)
	F	LT SYST	1				,,,
22.	Altitude Gain Cont (Contd)	rol Unit Checks (Test 1)					
22.14	AGC set control.	clockwise until meter M2 indicates					
		zero.  (ii) Continue anti- clockwise adjust- ment until meter M2 suddenly deflects.					
22.15	Meter M2.	Ensure indicates within Green sector.			ı		
22.16	AGC switch.	Set to 'RELAY'.					
22.17	Meter M2.	Ensure pointer remains steady.					
23.	Altitude Gain Cont	rols Unit Check (Test 2)					
23.1	Pylon selector switch.	Set to 'PO'.					
23.2	Testing.	Repeat Sub-items 22.8 to 22.17 inclusive.					
23.3	Leak tester.	<ul><li>(i) Set to 'RELEASE'.</li><li>(ii) Reduce vacuum to</li></ul>					
		zero. (iii) Disconnect and stow					
24.	General						
24.1	Master armament ) switch.	Set to 'OFF'.					
24.2	Arming switch. )	A					
24.3	Arming panel.	Ensure all lamps extinguished.					
24.4	Weapons trigger.	Set to 'SAFE'.			( = )		
24.5	FLS switch.	Set to 'CRT'.			1 1		
		* 1 n a 1 n 1 2 n 1			1 1		
	16A				La la la la la la la la la la la la la la		

General	T SYST	plied with throughout	(1)	_	evicing	RECORD	(4) (5
General Armament safety	T SYST	plied with throughout	(1)				(4) (5
General Armament safety	T SYST		(1)	(2)	(3	)	(4) (5
General Armament safety							
TIL Mamorra	Fit.						
Ground arming link.	Remove	9.				- 1	
Misfire indicator.	Reset						
Fire control system test set.  (a) Power-to- Aircraft switch.  (b) Power-to- Console switch.  )	Set to	o'OFF'.				•	
115V 2.4 kHz GPU.	(ii)	Stop engine. Disconnect from					
28V d.c. supply.) Ground cooling ) trolley. )	(i) (ii)	Set to 'OFF'. Disconnect.					
Armament installation test set cables.							
AI slaving cable and adapter		e.					
AI 70 way UNITOR test plug.	Repla	ce.					
GW pack test points.	Close	protective caps.					
Pylon connectors.							
Pylon base fairings.	Fit.						
,			L		ــــــــــــــــــــــــــــــــــــــ		
	indicator.  Fire control system test set.  (a) Power-to-     Aircraft )     switch. )  (b) Power-to-     Console )     switch. )  115V 2.4 kHz GPU.  28V d.c. supply.) Ground cooling ) trolley. )  Armament installation test set cables.  AI slaving cable and adapter  AI 70 way UNITOR test plug.  GW pack test points.  Pylon connectors.	indicator.  Fire control system test set.  (a) Power-to-    Aircraft    switch.  (b) Power-to-    Console    switch.  115V 2.4 kHz GPU.  (i)  (ii)  (iii)  (iii)  28V d.c. supply.) (i) Ground cooling (ii) trolley.  Armament installation test set cables.  AI slaving cable and adapter.  AI 70 way UNITOR test plug.  GW pack test points.  Pylon connectors.  (i) (ii)  3 Pylon base fairings.	indicator.  Fire control system test set.  (a) Power-to- Aircraft Switch.  (b) Power-to- Console Switch.  115V 2.4 kHz GPU.  (i) Set to 'OFF'.  (ii) Stop engine.  (iii) Disconnect from fire control system test set.  28V d.c. supply.)  (i) Set to 'OFF'.  Ground cooling ) (ii) Disconnect.  trolley.  Armament installation test set cables.  AI slaving cable and adapter.  AI 70 way UNITOR test plug.  GW pack test points.  Pylon connectors.  (i) Remove.  (ii) Stow.  Fit.  Pylon base fairings.	indicator.  Fire control system test set.  (a) Power-to-     Aircraft )     switch. ) Set to 'OFF'.  (b) Power-to- )     Console )     switch. )  115V 2.4 kHz GPU. (i) Set to 'OFF'.     (ii) Stop engine.     (iii) Disconnect from fire control system test set.  28V d.c. supply.) (i) Set to 'OFF'.  Ground cooling ) (ii) Disconnect.  trolley. )  Armament (i) Disconnect. installation (ii) Stow. test set cables.  AI slaving Remove. cable and adapter.  AI 70 way UNITOR Replace. test plug.  GW pack test Close protective caps. points.  Pylon connectors. (i) Remove.     (ii) Stow.  Pylon base Fit. fairings.	indicator.  Fire control system test set.  (a) Power-to-     Aircraft )     switch. )  (b) Power-to- )     Console )     switch. )  115V 2.4 kHz GPU. (i) Set to 'OFF'.      (ii) Stop engine.     (iii) Disconnect from         fire control system         test set.  28V d.c. supply.) (i) Set to 'OFF'.  Ground cooling ) (ii) Disconnect.  trolley. )  Armament (i) Disconnect.  installation (ii) Stow.  test set cables.  AI slaving Remove.  cable and adapter.  AI 70 way UNITOR Replace.  test plug.  GW pack test Close protective caps.  points.  Pylon connectors. (i) Remove.  (ii) Stow.  Pylon base fairings.	indicator.  Fire control system test set.  (a) Power-to-     Aircraft )     switch. )  (b) Power-to- )     Console )     switch. )  115V 2.4 kHz GPU. (i) Set to 'OFF'.     (ii) Stop engine.     (iii) Disconnect from fire control system test set.  28V d.c. supply.) (i) Set to 'OFF'.  Ground cooling ) (ii) Disconnect.  trolley. )  Armament (i) Disconnect. installation (ii) Stow. test set cables.  AI slaving Remove. cable and adapter.  AI 70 way UNITOR Replace. test plug.  GW pack test Close protective caps. points.  Pylon connectors. (i) Remove.     (ii) Stow.  Pylon base Fit. fairings.	indicator.  Fire control system test set.  (a) Power-to- Aircraft ) switch. ) (b) Power-to-) Console ) switch. )  115V 2.4 kHz GPU. (i) Set to 'OFF'.  (ii) Stop engine.  (iii) Disconnect from fire control system test set.  28V d.c. supply.) (i) Set to 'OFF'.  Ground cooling ) (ii) Disconnect.  trolley. )  Armament (i) Disconnect. installation (ii) Stow.  test set cables.  AI slaving Remove. cable and adapter.  AI 70 way UNITOR Replace. test plug.  GW pack test Close protective caps. points.  Pylon connectors. (i) Remove. (ii) Stow.  B Pylon base Fit. fairings.

CHAP	2	FLT SYST	SERVICING PROCEDURES		AP	101B-1000-5A3 Section 1	E	
BP NO	113	CONTINUED	LICHTNING			(1st Edition)		
SHEET	13	AL 20	<b>▼</b>	AC N	10	DATE .		
Safety	and S	ervicing Notes are t	o be complied with throughout		SE	RVICING RECORI		
the wor	k det	ailed on this card.		(1)	(2)	(3)	(4)	(5)
		FL	T SYST	1	1		-	
1			(0-12)					
12.	AI	Slaving Tests (	Test 1) (Contd)					
12.10	Off	Set switch.						
			'MINUS 10' and			19.0		
			'MINUS 15' degrees					
			in turn and for each setting repeat					
			Sub-item 12.9.			-		10
			(ii) Set to '0' degrees.	1				
				1				
13.	AI.	Slaving Tests (	Test 2)					
13.1	Sic	mal Phase	Set to 'NORMAL'.	İ	•			
	_	itch.				1		
13.2	Fur	nction switch.	Set to 'AI YAW'.		İ			1
12 3	То	sting.	Repeat Sub-items 12.2				7	
10.0	. 10.	3 0111 G •	to 12.10 inclusive.	1				
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	선명선, 그리아 등 회사					
14.	AI	Slaving Tests	(Test 3)					
14.1	P <sub>W</sub>	lon selector	Set to 'SO'.	1				
	_	itch.		1				
14.2	Fur	nction switch.	Set to 'AI PITCH'.					
1/1 3	Те	sting.	Repeat Sub-items 12.2 to					1
14.0	10.	3 0261	12.10 inclusive.					
15.	AI	Slaving Tests	(Test 4)	1				
15.1	Si	gnal Phase	Set to 'REVERSE'.	1				
		itch.					1	l
	_		Golden LAT WAWI					
15.2	Fu	nction switch.	Set to 'AI YAW'.	1				
15.3	Te	sting.	Repeat Sub-item 12.2 to	1				
			12.10 inclusive.	1	1			
NID .	<b>-</b> 1	16 to 10 in	clusive are applicable	İ	-			
NB:			ted with SE400 Post		,			
		M/FS/014/STC.		1				
1.0	ъ.	TEC TOO	to (Togt 1)	1				
16.	De	pressed LFS Tes	63 (1630 I)					
16.1	Ру	lon selector	Set to 'PO'.			Parks, in the		
	sw	itch.						
			*	1	1	ł.		

СНАР	2	FLT SYST	SERVICING PROCEDURES	M		01B-1000-5A3E Section 1		
SP NO	113	CONTINUED		<u> </u>		(1st Edition)		
SHEET	14	AL 20	H	AC 1		DATE .	-	•
Safety	and S	Servicing Notes are	to be complied with throughout	<u></u>	_	RVICING RECORD		(-)
the wor	k det	tailed on this card.		(1)	(2)	(3)	(4)	(5)
		FI	T SYST					
16.	Dep	pressed LFS Tes	ts (Test 1) (Contd)					
16.2	Fur	nction switch.	Set to 'AI PITCH'.					
16.3	Met	cer M2.	Ensure indicates within green sector lower scale.					
16.4	LFS	S/CRT switch.	Set to 'LFS D'.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
16.5	Met	cer M2.	Ensure deflects fully right.			у н у н		
16.6	Off	Sset 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'.			100		
16.9	Met	ter M2.	Ensure indicates within green sector.			*		
16.10	Off	fset switch.	Set to '0' degrees.					
17.	Dep	pressed LFS Tes	ts (Test 2)					
17.1		gnal phase itch.	Set to 'NORMAL'.				-	,
17.2	Fur	nction switch.	Set to 'AI YAW'.					
17.3	Met	ter M2.	Ensure indicates within green sector.					
17.4	Tes	sting.	Repeat Sub-items 16.4 to 16.10 inclusive.					
18.	Dep	pressed LFS Tes	ts (Test 3)					
18.		lon selector itch.	Set to 'SO'.					
18.2		gnal phase itch.	Set to 'REVERSE'.			-		
18.3	Me	ter M2.	Ensure indicates within green sector.			, T		
18.4 SMS/		S/CRT switch.	Set to 'LFS D'.	_	ntinue		1	

CHAP	2	FLT SYST	SERVICING PROCEDURES	7	AP	101B-1000-5A3 E Section 1	2	
SP NO	113	CONTINUED	LIGHTNING			(1st Edition)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
SHEET	1.6	AL 20	4	AC 1	10	DATE .		
Safety	and	Servicing Notes are	to be complied with throughout		SE	RVICING RECORD		
		tailed on this card.		(1)	(2)	(3)	(4)	(5
,			T SYST			1 11		
21.	Lo	ad Shed and Mag,	/Jet Circuit Tests (Contd)			1,		
21.2	ar	S/LFS screen, ming panel d CRT.	Examine PAS/LFS, Event 1 and Event 2 lamps and Port and Starboard 'W'. markers are lit.					
21.3		lon load	Ensure lit.			40 -		
21.4	We	apons trigger.	Operate and hold.			, "		
21.5		Alt start	Ensure lit.					
21.6	Sh	ed switch.	Operate.					
21.7	Ma	ag/Jet lamp.	Ensure lights momentarily					
21.8		Alt start	Ensure extinguished.			, F 4		
21.9		ort acquisition	Ensure extinguishes for 4 to 6 seconds.			1 100		
21.10		rlon load	Ensure extinguished.					4
21.1	1 We	eapons trigger.	Release.					
21.1		tarboard pylon onnector box.	<ul><li>(i) Vent pressure to zero.</li><li>(ii) Ensure pressure gauge continues to indicate zero.</li></ul>		ja.			
21.1		isfire ndicators.	<ul><li>(i) Ensure Starboard indicator has operated.</li><li>(ii) Ensure Port indicator has not operated.</li></ul>					
÷			(iii) Reset Starboard indicator.					
21.1		ylon selector witch.	Set to 'PO'.					
		ylon load lamp.	Ensure lit.	L	<u></u>	<u></u>		
SMS/	22	Α Ι		Co	ntinue	ea.		

CHAP	2	FLT SYST	SERVICING PROCEDURES			101B-1000-5A3 E Section 1		
SP NO	113		LIGHTNING	<u></u>		(1st Edition)	-	
SHEET	17	AL 20		AC N	-	DATE .		•
			o be complied with throughout	_		RVICING RECORD		
the wor	rk de	tailed on this card.		(1)	(2)	(3)	(4)	(5)
		FL.	r syst					
21.	Lo	ad Shed and Mag/	Jet Circuit Tests (Contd).			, <u>, , , , , , , , , , , , , , , , , , </u>		
21.16	Sh	ed switch.	Operate.					7
01 15	7 D	lem lead lemp )					1	
	3 Po	lon load lamp.) wer-to- ) rcraft lamp. )	Ensure extinguished.			1 ,040		
21.19	9 Ar	ming panel.	(i) Ensure 'ARMING' lamp lit.					L.
			(ii) Ensure 'ARMED' lamp flashing.					
	L Ma	RMING' switch.) ster Armament )	Set to 'OFF'.			1, 4		
21.22	2 Ar	ming panel.	(i) Ensure 'ARMING' lamp extinguished.					
			(ii) Ensure 'ARMED' lamp extingusihed.					
21.23	3 No	se cover lamp.	Ensure extinguished.					
21.24	0 0000	emed time dicator.	Reset to zero.					
21.25		aster Armament elector.	Set to 'GW'.					
21.26	6 Ar	rming switch.	Set to 'ON'.					
	3 Ar	ARMING' lamp. ) rming indicator)	ş					
	9 Py	amp. ) vlon load lamp.) ower-to- )	Ensure lit.			ı w		
21.3		rcraft lamp. ) ose cover lamp.)	* , '					
NB:	tr	ne arming period	not to be commenced until initiated in Sub-item and the 'ARMED' lamp lit.					
21.3	SE	EE/NOT SEE	Set to 'NOT SEE'.					
	sv	witch.	Φ.					•
					ntinue	-		

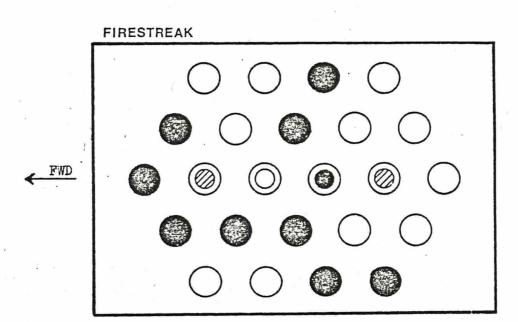
SET 18 AL 20  Safety and Servicing Notes are to be complied with throughout the work detailed on this card.  FLT SYST  21. Load Shed and Mag/Jet Circuit Tests (Contd) 21.33 PAS/LFS screen, arming panel lamp and Port 'W' marker and CRT.  21.34 Weapons trigger. Operate and hold.  21.35 Control box FO Alt start lamp.  21.36 Shed switch. Operate.  21.37 Mag/jet lamp. Ensure lit momentarily.  21.38 Control box FO Alt start lamp.) Ensure extinguished.  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon (i) Vent pressure to zero. (ii) Ensure gauge continues to indicate zero pressure.  21.42 Misfire (i) Ensure Port indicator not operated. (ii) Ensure Starboard indicator not operated. (iii) Reset Fort indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between 9 and 5 in . Hg.  22.3 Leek tester. (i) Connect to LSU static test point. (ii) Set to 'SUCTION TO STATIC'.	CHAP SP NO	2	FLT SYST	s	ERVICING PROCEDURES LICHTNING		O1B-1000-5A3 Section ( 1st Edition)	L	
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.  FLT SYST  21. Load Shed and Mag/Jet Circuit Tests (Contd)  21.33 PAS/LFS screen, arming panel lamp and Port 'W' marker and CRT.  21.34 Weapons trigger. Operate and hold.  21.35 Control box PO Alt start lamp.  21.36 Shed switch. Operate.  21.37 Mag/jet lamp. Ensure lit momentarily.  21.38 Control box PO Alt start lamp.)  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon (i) Vent pressure to zero. (ii) Ensure gauge continues to indicate zero pressure.  21.42 Misfire (i) Ensure Port indicator not operated. (ii) Ensure Starboard indicator not operated. (iii) Reset Fort indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between 9 and 5 in. Hg.  22.3 Lesk tester. (i) Connect to LSU static test point. (ii) Set to 'SUCTION TO STATIC'.	-	-				AC N	 		
The work detailed on this card.  FLT SYST  21. Load Shed and Mag/Jet Circuit Tests (Contd)  21.33 PAS/LFS screen, arming panel lamp and Port 'W' marker and CRT. lit.  21.34 Weapons trigger. Operate and hold.  21.35 Control box PO Ensure lit. Alt start lamp.  21.36 Shed switch. Operate.  21.37 Mag/jet lamp. Ensure extinguished.  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon (i) Vent pressure to zero. (ii) Ensure gauge continues to indicate zero pressure.  21.42 Misfire (i) Ensure Port indicator not operated. (ii) Ensure Starboard indicator not operated. (iii) Resst Port indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between Sand 5 in. Hg.  22.3 Leak tester. (i) Connect to LSU static test point. (ii) Static test point. (ii) Static test point. (ii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point. (iii) Static test point.	-			<u> </u>	14-4	AC N	NAME AND ADDRESS OF TAXABLE PARTY.	_	•
21. Load Shed and Mag/Jet Circuit Tests (Contd)  21.33 PAS/LFS screen, arming panel lamp and Port'W' marker lit.  21.34 Weapons trigger. Operate and hold.  21.35 Control box PO Ensure lit.  21.36 Shed switch. Operate.  21.37 Mag/jet lamp. Ensure lit momentarily.  21.38 Control box PO ) Alt start lamp.)  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon (i) Vent pressure to zero. (ii) Ensure gauge continues to indicate zero pressure.  21.42 Misfire (i) Ensure Port indicator not operated. (ii) Ensure Starboard indicator not operated. (iii) Reset Port indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between 9 and 5 in . Hg.  22.3 Lesk tester. (i) Connect to LSU static test point. (ii) Static test point. (ii) STATIC!				o be comp	illed with throughout	(1)			(5)
21.33 PAS/LFS screen, arming panel and CRT.  21.34 Weapons trigger. Operate and hold.  21.35 Control box PO Alt start lamp.  21.36 Shed switch. Operate.  21.37 Mag/jet lamp. Ensure lit momentarily.  21.38 Control box PO Alt start lamp.) Ensure extinguished.  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon (i) Vent pressure to zero. (ii) Ensure gauge continues to indicate zero pressure.  21.42 Misfire (i) Ensure Port indicator operated. (ii) Ensure Starboard indicator not operated. (iii) Reset Port indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between 9 and 5 in. Ng.  22.3 Leak tester. (i) Connect to LSU static test point. (ii) Set to 'SUCTION TO STATIC'.		_			ouit Tosts (Contd)		- 11		
21.35 Control box PO Alt start lamp.  21.36 Shed switch. Operate.  21.37 Mag/jet lamp. Ensure lit momentarily.  21.38 Control box PO Alt start lamp.)  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon connector.  (i) Vent pressure to zero. (ii) Ensure gauge continues to indicate zero pressure.  21.42 Misfire indicators.  (i) Ensure Port indicator operated. (ii) Ensure Starboard indicator not operated. (iii) Reset Port indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between 9 and 5 in . Hg.  22.3 Leak tester.  (i) Connect to LSU static test point. (ii) Set to 'SUCTION TO STATIC'.		PAS	S/LFS screen, ming panel	Ensure	PAS/LFS, Event 1				
Alt start lamp.  21.36 Shed switch. Operate.  21.37 Mag/jet lamp. Ensure lit momentarily.  21.38 Control box PO   Alt start lamp.) Ensure extinguished.  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon (i) Vent pressure to zero. (ii) Ensure gauge continues to indicate zero pressure.  21.42 Misfire (i) Ensure Port indicator operated. (ii) Ensure Starboard indicator not operated. (iii) Reset Port indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between 9 and 5 in . Hg.  22.3 Leak tester. (i) Connect to LSU static test point. (ii) Set to 'SUCTION TO STATIC'.	21.34	Wea	apons trigger.	Operat	e and hold.				
21.37 Mag/jet lamp. Ensure lit momentarily.  21.38 Control box PO  )     Alt start lamp. ) Ensure extinguished.  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon	21.35			Ensure	e lit.				
21.38 Control box PO ) Alt start lamp.) Ensure extinguished. 21.39 Pylon load lamp.) 21.40 Weapons trigger. Release. 21.41 Port pylon (i) Vent pressure to zero. (ii) Ensure gauge continues to indicate zero pressure. 21.42 Misfire (i) Ensure Port indicator operated. (ii) Ensure Starboard indicator not operated. (iii) Reset Port indication.  22. Altitude Gain Control Unit Checks (Test 1) 22.1 Function switch. Set to 'AGC'. 22.2 Meter M1. Check that indication is between 9 and 5 in . Hg. 22.3 Leak tester. (i) Connect to LSU static test point. (ii) Set to 'SUCTION TO STATIC'.	21.36	She	ed switch.	0perat	ce.		-		
Alt start lamp.) Ensure extinguished.  21.39 Pylon load lamp.)  21.40 Weapons trigger. Release.  21.41 Port pylon	21.37	Mag	g/jet lamp.	Ensure	e lit momentarily.				
21.40 Weapons trigger. Release.  21.41 Port pylon		Al	t start lamp. )	Ensure	e extinguished.		· / ·		
connector.  (ii) Ensure gauge continues to indicate zero pressure.  21.42 Misfire indicators.  (i) Ensure Port indicator operated. (ii) Ensure Starboard indicator not operated. (iii) Reset Port indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1.  Check that indication is between 9 and 5 in . Hg.  22.3 Leak tester.  (i) Connect to LSU static test point. (ii) Set to 'SUCTION TO STATIC',				Releas	se.		<b>5</b> .		
indicators.  indicator operated.  (ii) Ensure Starboard indicator not operated.  (iii) Reset Port indication.  22. Altitude Gain Control Unit Checks (Test 1)  22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between 9 and 5 in. Hg.  22.3 Leak tester.  (i) Connect to LSU static test point.  (ii) Set to 'SUCTION TO STATIC'.	21.41				zero. Ensure gauge continues to indicate zero				
22.1 Function switch. Set to 'AGC'.  22.2 Meter M1. Check that indication is between 9 and 5 in. Hg.  22.3 Leak tester. (i) Connect to LSU static test point.  (ii) Set to 'SUCTION TO STATIC'.	21.42			(ii)	indicator operated. Ensure Starboard indicator not operated. Reset Port				5
22.2 Meter M1. Check that indication is between 9 and 5 in. Hg.  22.3 Leak tester. (i) Connect to LSU static test point.  (ii) Set to 'SUCTION TO STATIC'.	22.	Al	titude Gain Con	trol Un:	it Checks (Test 1)				
between 9 and 5 in. Hg.  22.3 Leak tester.  (i) Connect to LSU static test point.  (ii) Set to 'SUCTION TO STATIC'.	22.1	Fu	nction switch.	Set to	o 'AGC'.	-			
static test point.  (ii) Set to 'SUCTION TO STATIC'.	22.2	Me	ter M1.						
	22.3	Le	eak tester.	(ii)	static test point. Set to 'SUCTION TO STATIC'.				
(iii) Operate pump until meter M1 indicates 20 in. Hg. Continued				(iii)	Operate pump until meter M1 indicates				

CHAP	2	FLT SYST	- 1	SERVICING PROCEDURES		AP	101B-1000-5A3 Section 1	E	
BP NO	113	CONTINUED		LICHTNING			(1st Edition)		
HEET	.19	AL 20	4	\\	AC 1	10	DATE		•
Safety	and	Servicing Notes are	to be com	plied with throughout		SE	RVICING RECOR	D	
the wo	rk de	tailed on this card	l.		(1)	(2)	(3)	(4)	(5)
			LT SYST	(mat 1)					
22.		titude Gain Cor ontd)	ntrol Uni	it Checks (Test 1)			a a		-
22.4	_	lon selector itch.	Set to	PO'.					
22.5	Me	ter M1.	Check 20 in	indication is . Hg.					
22.6		lon selector	Set to	o 'SO'.					
22.7		ak test lector.	reduce	rELEASE' and vacuum until M1 indicates 5					
22.8	AG	C switch.	Set to	o 'RELAY SET' and			dia.		
22.9	AG	C set control.	1 (1) (1)	Adjust clockwise until meter M2 indicates zero. Continue clockwise adjustment until meter M2 suddenly deflects.			N		
22.10	O Me	ter M2.	•	e indicates within sector.					
22.1	1 AG	C switch.	Set t	o 'RELAY'.					
22.1	2 Me	ter M2.	Ensur stead	e pointer remains y.					
22.1	3 AG	C switch.	Set the hold.	o 'RELAY SET' and					
22.1	4 AG	C set control.	(i)	Adjust anti- clockwise until meter M2 indicates					
	28		(ii)	clockwise adjust- ment until meter M2 suddenly deflects.	2				
*	- 1								
SMS/	216				Co	ntinu	ed		

СНАР	2	FLT SYST	SERVICING PROCEDURES			Section1			
			LIGHTNING		(1st Edition)				
HEET	20	AL .20		AC NO DATE					
Safety and Servicing Notes are to the work detailed on this card.			be complied with throughout			RVICING RECO		15	
THO WOL	r dere	illed on this card.		(1)	(2)	(3)	(4)	(5	
		FLT	SYST						
22.	Alti (Cor		rol Unit Checks (Test 1)	1.0		* * * * * * * * * * * * * * * * * * * *			
22.15	-Mete	er M2.	Ensure indicates within Green sector.			*			
22.16	AGC	switch.	Set to 'RELAY'.						
22.17	Mete	er M2.	Ensure pointer remains steady.						
23.	Alt	itude Gain Cont	rols Unit Check (Test 2)						
23.1		on selector tch.	Set to 'PO'.			1			
23.2	Tes	ting.	Repeat Sub-items 22.8 to 22.17 inclusive.			12			
23.3	Leal	k tester.	<ul><li>(i) Set to 'RELEASE'.</li><li>(ii) Reduce vacuum to zero.</li><li>(iii) Disconnect and stow</li></ul>						
24.	Gene	eral							
24.1	swi	ter armament ) tch. ) ing switch. )	Set to 'OFF'.						
24.3	Arm	ing panel.	Ensure all lamps extinguished.						
24.4	Wea	pons trigger.	Set to 'SAFE'.						
24.5	FLS	switch.	Set to 'CRT'.	Y .					
25.	Gen	eral	•		e e				
25.1		ament safety ak key.	Fit.						
25.2	Gro	und arming k.	Remove.						
25.3		fire icator.	Reset.						
					1	1 .	1	1	

CHAP	2 FLT SYST				AP101B-1000-5A3E Section 1					
	113 CONTINUED		_	(1st Edition)  AC NO DATE						
SHEET	21 AL 20	4	AC							
Safety a	and Servicing Notes a k detailed on this ca	re to be complied with throughout	(1)		RVICING RECORD		1=			
the work	k detailed on this ca		(1)	(2)	(3)	(4)	(5)			
		FLT SYST				1 1				
25.	General (Contd	<b>\</b>								
25.	General (Contd	7								
25.4	Fire control									
	system test set	•								
	(a) Power-to- Aircraft	)		1						
	switch.	) Set to 'OFF'.								
	(b) Power-to-	) Set to Off.								
	Console switch.	)								
	Switch.	,								
25.5	115V 2.4 kHz GP									
		<pre>(ii) Stop engine. (iii) Disconnect from</pre>								
		fire control syst	em		7.					
		test set.								
25.6	oou da aummlu	(i) Sot to !OFF!		1						
25.7	Ground cooling	(i) Set to 'OFF'. ) (ii) Disconnect.								
2017	trolley.	)								
25.8	Armament installation	<ul><li>(i) Disconnect.</li><li>(ii) Stow.</li></ul>	1				ĺ			
	test set cables									
	1 504 54		1							
25.9	AI slaving	Remove.		1			,			
	cable and adapt	er.								
25.10	AI 70 way UNITO	R Replace.		1						
	test plug.									
25.11	GW pack test	Close protective caps.								
20.11	points.	Clobe processors espec								
		(1)		1						
25.12	Pylon connector	rs. (i) Remove. (ii) Stow.								
		(11) Boow.		-						
25.13	Pylon base	Fit.				1				
	fairings.									
							1			
				1						
ř										
	*									
. *		•								
		4	- 1	1						

CHAP	2	FLT SYST	SERVICING PROCEDURES	AP101B-1000-5A3E Section 1				
SP NO	113	CONTINUED	LIGHTNING	(1st Edition)				
SHEET	22	AL 20	4	AC NO DATE				
Safety	and S	Servicing Notes are	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

SMS 26 STC

Philas. C.

