TRADE			NAV :	INST		LIGH	TNING	+		Copperer.			ction 1 Edition		d -014-1	ACT	1
SHEET	1	OF	15	SHEET/S		. Lini dia	3	5	6	AL N	ro	DA	TE	LS	(Inc	TIME	+
TITLE	Mk	2 M	aste	r Referen	nce Gyrc	Chec	cks.	Phu All		AC I			RECORD DATE .		netula new e	FIST TO	12
Safety	and S	Servi	cing :	Notes are to	o be comp	lied wi	th thro	ughou	t	(1)	(2)	-	3)	(4)	(5)	F	1
				this Card.						SS	N.		DETAILS	N.	S S		
Gauge	Watc , Le , Le	ch, evel evel	1/5 ling ling	second. g, Longitug, Latera	udinal.	6B/9° 26DK/ 26DK/ 6C/32	/95099 /95261	9.	q	MAN HOURS	TRADESMAN	SUSPE DEFEC		F. 720B	N.C.O. INITIALS		
NB 1	var	riab	ole a	rocedure and is included the contract of the c	dicated	l on th	he tes	st se	et set))			. derail : Comp. = M. Pjec				
NB 2	the	e fi ase	gure sequ	ving tole: es indica nence cha	ted on rt.	the to	est se	et	to	- 32							
	(a) (b) (c) (d)) 50) 80) sec	es PLUS 0 es PLUS 0 es PLUS 0 ecs PLUS	R MINUS	5 6 sec 5 8 sec	conds.	•			20.0	ir holy triacery pierza pierza	D.C. SWS B SWS B	13		CARDS	
				AI	RFRAME		T. A. II.	Ny V	04	18	115	i inga jeraj	a della	(
1.	Pre	epar	ratio	on												PROCEDURE	
1.1	lev			gauge.)	Fit.						100					SSOCIATED PR	
1.2				gauge.)								corre		(1.1.2)		3000	2000
1.3	Cl:	inor	meter	r.	(i)	longi	ion on tudina	al								A	d
					(ii) (iii)		ling and read							1			
					(iv)	Posit	tion of		ing								
					(v) (vi)		rd rea	ding	• 111			dn		cynleid Cynleid			2
1.4			tudi: ling	nal gauge.	Remov					(1)							ED TRADES
1.5		iter: wge		evelling	Remov	e.						6 ZC				10000	ASSOCIATED
																	SP NO
7770	I 520	340	7.0							-	Co	ntinue	d A S A			-	

CHAP	2	NAV INST	SERVICING PROCEDURES		AP	101B-1000-5		
SP NO	102	CONTINUED	LICHTNING			Section (1st Edition		
SHEET	2			AC I	10 . :	DATE		
			o be complied with throughout		SE	RVICING RECO	ORD	
the wo	rk det	ailed on this card.	and end caybus	(1)	(2)	(3)	(4)	(5)
4 (8)	Ea H	NAV	INSTRUMENTS			Prof. with the later		
2.	Pre	paration			1950.1	ald he had	ester stra	e Peli
2.1	Ele	et set ectronic t cable.	(i) Connect to Electronic Unit test socket (J205). (ii) Connect to test set socket (J1).		Pie Discol Libror Fil na		EA C. A. Coulek Ve o PG o	eneri enek enek enek
2.2		st set. Synchro dial.	Set to zero.			Sarrieus San Blife		18
	(c)	SW1 Meter) Function.) SW2 Select) A.c. Volts.) SW3 Select) D.c. Volts.) SW4 Synchros) SW5 Servo) Amp O/P.	Set to 'OFF'.	Set Sec	THE STATE OF THE S	19.1 Lovern Carpines	60 F	600
	(g)) SW6 Erection Mode.	Set to 'NORMAL'.			noine a	anali.	
	(h (j (k (1) SW8 Erection) Cutback Test)) SW9 Motor) Off.	Set to centre.		200	Topis but isa milita ina ina ina ina ina ina ina ina ina in	Fool coll stel swel mulb	3.
) SW11 Integrator Test.) SW12 Gas/ Rotor-Race.	Set to 'OFF'. Set to 'TEST'.					
2.3	Co	v Display mp/DG push tton.	Press for DG.			Carrie Sign		
2.4	el	ternal ectrical wer supplies.	(i) Connect to aircraft. (ii) Set to 'ON'.	X		30 00 - 1 ps	153;	
TO	VI 520	10/20A		C	ontin	ued	Total Total	MAJORAN T

CHAP	2	NAV INST	SERVICING PROCEDURES		AP	101B-	-1000-5A3	E	out l
SP NO	102	CONTINUED	LICHTNING				Section 1 Edition)	gar e	1-10
SHEET	3	Syrvan 1971 - 1971 - 1971 - 1971		AC N		and the same	. DATE .	COLUMN TWO IS NOT THE OWNER.	
Safety	and	Servicing Notes are to tailed on this card.	be complied with throughout	(1)	(2)	RVICI	(3)	(4)	(5)
one wo	111 40		INSTRUMENTS	(1)	(2)		(3)	(4)	()/
3.	Fn	ection Sequence	Chlisto) 			
3.1		strument	Set to 'ON'.	(1)	0.00				
3.1	ma	ster switch.	gamusial ada-or re-		10				
3.2	If se	during this Sub- quence lamp ligh	item the incorrect phase ts, switch of immediately.						
	MR	G Switch.	Set to 'ON' and simultaneously start stop watch.						
3.3		est set.							
	(а	a) Erection sequence chart.	Ensure erection sequence is completed as specified						
	(h	o) PF1 lamp	Ensure illuminates at 120 + 'X' seconds.			130			
3.4		titude	(i) Check power					-	
	ir	ndicator.	failure flag shows Black.		F is				
			(ii) Ensure the roller blind is steady.		de				
4.	Vo	oltage Checks				150		-1	
4.1		est set.	Cal de 100			100			
	(8	a) SW1 Meter Function.	Set to !AC!.	-	18				
	(1	b) SW2 Select	Set to the following		ir inite				
		A.c. Volts.	positions and check that the meter reads			1 48			
			within the Green band		Jr.	1			
			in each case:- (i) 115 A			-			
			(ii) 115 C						
			(iii) 26 a (iv) 26 b			1			
1.1			(v) 26 c						
1 1			(vi) 10 a (vii) 10 a'						
	,	\	(vii) 2 c						
	(c) SW2 Select A.c. Volts.	Set to 'OFF'.	The same of the sa	- 31	1			
	(d) SW1 Meter Function.	Set to 'DC'.		d I				
-	RM F	52010/21		0	ontir	ued	A STATE	Market	MR.

CHAP	2	NAV INST	SERVICING PROCEDURES		AP	101B-1000- Sectio		
SP NO	102	CONTINUED	LIGHTNING			Section (1st Editi		
SHEET	4	THE RESERVE		AC 1	10	DA'	re	
Safety	and s	Servicing Notes are to	o be complied with throughout	ut e	SE	RVICING RE	CORD	the franchist
the wo	rk de	tailed on this card.		(1)	(2)	(3)	(4	(5)
		NAV :	INSTRUMENTS					
4.	Vo	ltage Checks	(Contd)		a constant	tell mode	and the	1
4.1	Tes	st set. (Contd)	THE THE PART OF THE					
т• .) SW3 Select	Set to the following					
		D.c. Volts.	positions and check			10		le se
			that the meter reads within the Green band	l de	I g	as I wom	eren ne	
			in each case:-			100		
			(i) +20					
			(ii) +27 (iii) +38					
			(iv) -41			y top		-
			(v) +28 A/C (vi) +22 Diode					
			(vi) +22 Diode (vii) +5 Lamp.			- 1100		
			(vii) () immp.			mel 1K		
5.	Gas	s and Rotorace T	est					
5.1		st set.	Toward Hoselford L. L.			0.1175		and.
	(a) SW3 Select	Set to '+38'.					
	(b	D.c Volts.) SW12G/Test	Set to 'GAS'.					
		Rotorace.						
	(c) Meter.	Ensure reads 0.5 PIUS OR MINUS 0.1 divisions.		124		Wile!	1-4
	(a) SW12 Gas/	Set to 'TEST'.				100	1-4
	,	Test						
	(-	Rotorace.	(i) Ensure that one of		100	Luc da		
	(e) Rotorace neon lights.	the two rotorace			the stand	1 - 1 -	
			neons is					1
			illuminated. (ii) Time the interval					
			(ii) Time the interval between the			17.72		
			changeover from					
			one lamp to the other. The time		1			
			interval is to				The state of	
SACIE			be 8 PLUS OR MINUS			1.4		
	(+) SW3 Select	2.5 seconds. Set to 'OFF'.					
	(1	D.c. Volts.	Things on to		92			
			1967 at te			STAN MARK	1 / 5	
						de la Francia		
					1		La Laboratoria	
						and the second		
		0/21A		-	ntinu			

CHAP	2	NAV INST	SERVICING PROCEDURES		AP	101B-1000-5A3 Section 1	E	9210
SP NO	102	CONTINUED	LIGHTNING			(1st Edition)	SOF	CH T
SHEET	5			AC 1	01	DATE .		
			o be complied with throughout		SE	RVICING RECORI		
the wo	rk det	ailed on this card.		(1)	(2)	(3)	(4)	(5)
		NAV I	NSTRUMENTS					
6.	THE RESERVE OF THE PERSON	tial Erection curacy Check			cusel			
NB	it The rot	is possible to correct null i ation of the sy	test set synchro dial obtain an incorrect null. s obtained when clockwise nchro dial from the null eedle to deflect clockwise		and neff	TO STATE OF THE ST		1
6.1		st set. SW1 Meter Function.	Set to 'SYNCHS'.		Eog	Muo reel		
		SW4 synchros. Synchro dial.	Set to 'HDG X1'. (i) Adjust to zero meter reading. (ii) Ensure meter	-	110 d	Chicost (N.C.)		
	(d) (e)	SW4 synchros. Synchro dial.	reading is steady. Set to 'ELEV'. (i) Adjust to zero meter reading.		100	1115 12 TO		
	(f) (g)) SW4 synchros.) Synchro dial.	(ii) Ensure dial indicates longitudinal attitude as recorded in Subitem 1.3(ii) PIUS OR MINUS 1 degree. (iii) Record reading. Set to 'BANK'. (i) Adjust to zero meter reading. (ii) Ensure dial indicates lateral attitude as recorded in Subitem 1.3 (v) PIUS OR MINUS 1 degree. (ii) Record reading.		oto ()	COLOMBAN OF A CO		
	DW E	2010/22			ontinu			

CHAP	2	NAV INST	SERVICING PROCEDURES		AP	101B-100		3	
SP NO	102	CONTINUED	LIGHTNING			Sect (1st Edi	The second second second		
SHEET	7	MANUAL CW D		AC 1	10 . 6	I	DATE .		
Safety	and S	ervicing Notes are t	o be complied with throughout	-air. s	SE	RVICING	RECORD		e le l
the wo	rk det	ailed on this card.		(1)	(2)	(3)	(4)	(5)
		NA	V INSTRUMENTS						
9.	Mot	oring Off Eleva	tion						
		se Up)	152						
9.1	Fli	ght control						-	
	sys	tem Pilot's				- 17 1			
	20 C C C C C C C C C C C C C C C C C C C	troller.			70110				
	(a)	Master switch.	Set to 'ON'.			100			
	(b)	Supply	Check shows Black.						
		magnetic							
		indicator.				agrica.			
9.2		t set.							
	(a)	SW1 Meter	Ensure at 'SYNCHS'.		TO SE	provide (
	(2)	Function. SW4 Synchros.	Set to 'ELEV'.			100			
	(c)		Inch (NU) until ECB lamp		PET	130 A			16.1
	(-)	Off.	lights with switch			Justical			
	(-)		released.						-RI
	(d)	Synchro dial.	(i) Adjsut to zero meter reading.		THE ST	3 C.00 C.		1	
			(ii) Ensure reads figure					113.	
			recorded in Sub-		Lunca	osna			
			item 6.1 (e) (ii)						
			plus between 1.5					100	U
	(e)	Synchro	and 4.5 degrees. Set to read '10 degrees'.			100			
	(0)	dial.	C. C. Exposured same	To the same of					
	(f)	SW10 Motor	Inch (NU) to zero meter.						
	(g)	Off. SW1 Meter	Set to 'ELEV POT'.						
	(8)	Function.	Set to Ellev 101						
	(h)	Meter.	Ensure reads PLUS 0.1		N. De	PERMIT			
			PLUS OR MINUS 0.025.			rio Lro			
9.3	Att	itude	Ensure indicates			10.765			
	Ind	licator.	approximately 10 Degrees			1			
			Nose up.						
9.4		st set.	Set to 'SYNCHS'.						
	(a,) SW 1 Meter Function.	set to sinding.						
	(b)) Meter.	Ensure pointer moves					1.	
1			slowly negative at						
			ECB rate (1/4 degree/minute).						
	(0)) SW6 Erection	Set to 'ECB Override'.						
		Mode.							
	(d)) Meter.	Ensure pointer moves						
			negative at normal erection rate (1.5						13.
			degrees/minute).						
DM	52010	0/23		Co	ntinu	.ed	N. C.	444	ALVIET I

etailed on this card.		(1)	0	(1st Edi	DATE . RECORD	(4)	(5)
otoring Off Eleva- NATORING DOWN) (Control est set. a) SW 1 Meter Function. b) SW4 Synchros. c) Meter. A) SW6 Erection Mode. b) Meter.	V INSTRUMENTS tion d) Set to 'SYNCHS'. Set to 'ELEV'. Ensure moves slowly positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree /minute). Set to 'FAST ERECT'.	(1)	SE	RVICING (3	RECORD 3)	alel 3	yarî arê
otoring Off Eleva- NATORING DOWN) (Control est set. a) SW 1 Meter Function. b) SW4 Synchros. c) Meter. A) SW6 Erection Mode. b) Meter.	V INSTRUMENTS tion d) Set to 'SYNCHS'. Set to 'ELEV'. Ensure moves slowly positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree /minute). Set to 'FAST ERECT'.				THE LETTER AND A SECOND CO.	(4)	(5)
otoring Off Eleva: Nose Down) (Contonest set. a) SW 1 Meter Function. b) SW4 Synchros. c) Meter. A) SW6 Erection Mode. b) Meter. C) SW6 Erection Mode.	Set to 'SYNCHS'. Set to 'ELEV'. Ensure moves slowly positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree/minute). Set to 'FAST ERECT'. Ensure pointer moves		LOCK MORE	TO THE STATE OF TH	TATALES OF THE PARTY OF THE PAR	(4)	
otoring Off Eleva: Nose Down) (Contonest set. a) SW 1 Meter Function. b) SW4 Synchros. c) Meter. A) SW6 Erection Mode. b) Meter. C) SW6 Erection Mode.	Set to 'SYNCHS'. Set to 'ELEV'. Ensure moves slowly positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree/minute). Set to 'FAST ERECT'. Ensure pointer moves		Lord Lord	oerië i			-11
Nose Down) (Contonest set. a) SW 1 Meter Function. b) SW4 Synchros. c) Meter. A) SW6 Erection Mode. c) Meter.	Set to 'SYNCHS'. Set to 'ELEV'. Ensure moves slowly positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree /minute). Set to 'FAST ERECT'. Ensure pointer moves		oran	oerië i			
est set. a) SW 1 Meter Function. b) SW4 Synchros. c) Meter. d) SW6 Erection Mode. e) Meter.	Set to 'SYNCHS'. Set to 'ELEV'. Ensure moves slowly positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree /minute). Set to 'FAST ERECT'. Ensure pointer moves		rois	oerië i			
A) SW 1 Meter Function. b) SW4 Synchros. c) Meter. A) SW6 Erection Mode. c) Meter. F) SW6 Erection Mode.	Set to 'ELEV'. Ensure moves slowly positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree /minute). Set to 'FAST ERECT'. Ensure pointer moves		ord roid	oerië i			
a) SW4 Synchros. b) Meter. d) SW6 Erection Mode. e) Meter. f) SW6 Erection Mode.	Ensure moves slowly positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree/minute). Set to 'FAST ERECT'. Ensure pointer moves		nois	oerië i			
c) Meter. a) SW6 Erection Mode. b) Meter. a) SW6 Erection Mode.	positive at ECB rate (1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree/minute). Set to 'FAST ERECT'. Ensure pointer moves		nois mis	oerië i			
Mode. Meter. SW6 Erection Mode.	(1/4 degree/minute). Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree/minute). Set to 'FAST ERECT'. Ensure pointer moves		mis				
Mode. Meter. SW6 Erection Mode.	Set to 'ECB OVERRIDE'. Ensure pointer moves positive at normal erection rate (1.5 degree /minute). Set to 'FAST ERECT'. Ensure pointer moves		noi i				
e) Meter. S) SW6 Erection Mode.	positive at normal erection rate (1.5 degree /minute). Set to 'FAST ERECT'. Ensure pointer moves		101				
f) SW6 Erection Mode.	positive at normal erection rate (1.5 degree /minute). Set to 'FAST ERECT'. Ensure pointer moves		mi				
Mode.	/minute). Set to 'FAST ERECT'. Ensure pointer moves		(n-1.1				
Mode.	Set to 'FAST ERECT'. Ensure pointer moves		mil				
			1				
	positive at fast erection			,73.0		1.1	
		No.					
	rate (20 degrees/minute) and then stops.						
n) SW6 Erection Mode.	Set to 'NORMAL'.		Lati	Cruis		þ	
otoring Off Bank Right Wing Low)		11-	COL	Erou!			
			Franci	1110 n			59
est set.	Set to 'BANK'.		In				
							1.8
	lamp illuminates with			Plator		4)	
\ 2			1				
c) Synchro dial.			Tie to	e verice			
	recorded in Sub-			12			
	PLUS OR MINUS 3		100				
	degrees.						100
- \		•				1	
	inch to zero meter.			valentinesid			
e) SW 1 Meter	Set to 'BANK POT'.			to the his		F)	
f) Meter.	Ensure reads positive 0.1 PLUS OR MINUS 0.025.			. Ext. 1		3)	
ttitude	Ensure indicates 10						
ndicator.	degrees right wing low.						
	a) SW4 Synchros. b) SW9 Motor Off. c) Synchro dial. d) SW9 Motor off. e) SW 1 Meter Function. f) Meter. ttitude ndicator.	a) SW4 Synchros. Set to 'BANK'. Inch (RWL) until ECB lamp illuminates with switch released. (i) Adjust to zero meter reading. (ii) Ensure reads figure recorded in Subitem 6.1 (g) (iii) plus 10 degrees PLUS OR MINUS 3 degrees. (iii) Set to '10 degrees' Inch to zero meter. off. e) SW 1 Meter Function. f) Meter. Ensure reads positive 0.1 PLUS OR MINUS 0.025. ttitude indicator. Ensure indicates 10 degrees right wing low.	a) SW4 Synchros. Set to 'BANK'. Inch (RWL) until ECB lamp illuminates with switch released. (i) Adjust to zero meter reading. (ii) Ensure reads figure recorded in Subitem 6.1 (g) (iii) plus 10 degrees PLUS OR MINUS 3 degrees. (iii) Set to '10 degrees'. Inch to zero meter. off. e) SW 1 Meter Function. f) Meter. Ensure reads positive 0.1 PLUS OR MINUS 0.025. ttitude ndicator. Ensure indicates 10 degrees right wing low.	a) SW4 Synchros. Set to 'BANK'. Inch (RWL) until ECB lamp illuminates with switch released. a) Synchro dial. (i) Adjust to zero meter reading. (ii) Ensure reads figure recorded in Subitem 6.1 (g) (iii) plus 10 degrees PLUS OR MINUS 3 degrees. (iii) Set to '10 degrees'. Inch to zero meter. off. e) SW 1 Meter Set to 'BANK POT'. Function. f) Meter. Ensure reads positive 0.1 PLUS OR MINUS 0.025. ttitude Ensure indicates 10 degrees right wing low.	a) SW4 Synchros. Set to 'BANK'. b) SW9 Motor Off. Inch (RWL) until ECB lamp illuminates with switch released. c) Synchro dial. (i) Adjust to zero meter reading. (ii) Ensure reads figure recorded in Subitem 6.1 (g) (iii) plus 10 degrees PLUS OR MINUS 3 degrees. (iii) Set to '10 degrees'. d) SW9 Motor Inch to zero meter. off. e) SW 1 Meter Set to 'BANK POT'. Function. f) Meter. Ensure reads positive O.1 PLUS OR MINUS O.025. ttitude Ensure indicates 10 degrees right wing low.	a) SW4 Synchros. Set to 'BANK'. b) SW9 Motor Off. Inch (RWL) until ECB lamp illuminates with switch released. c) Synchro dial. (i) Adjust to zero meter reading. (ii) Ensure reads figure recorded in Subitem 6.1 (g) (iii) plus 10 degrees PLUS OR MINUS 3 degrees. (iii) Set to '10 degrees'. d) SW9 Motor Inch to zero meter. off. e) SW 1 Meter Set to 'BANK POT'. Function. f) Meter. Ensure reads positive O.1 PLUS OR MINUS 0.025. ttitude Ensure indicates 10	a) SW4 Synchros. Set to 'BANK'. b) SW9 Motor Off. Inch (RWL) until ECB lamp illuminates with switch released. c) Synchro dial. (i) Adjust to zero meter reading. (ii) Ensure reads figure recorded in Subitem 6.1 (g) (iii) plus 10 degrees PIUS OR MINUS 3 degrees. (iii) Set to '10 degrees'. d) SW9 Motor Inch to zero meter. off. e) SW 1 Meter Function. f) Meter. Ensure reads positive O.1 PIUS OR MINUS 0.025. ttitude Ensure indicates 10 degrees right wing low.

CHAP SP NO	102	NAV INST	SERVICING PROCEDURES LIGHTNING			101B-1000-5A3] Section 1 (1st Edition)	ti SOT I	
SHEET	10	man and the second		AC N		DATE .		
-	and G	omriging Notes and t	o be complied with throughout	AU I	water the state of	RVICING RECORD		•
		ailed on this card.	o be compiled with throughout	(1)	(2)	(3)	(4)	(5)
		NΔV	INSTRUMENTS		(-)		1	121
	70/1		TIO THO THE TO					100
11.		oring Off Bank ght Wing Low) (Contd)			Ames and		
11.3	Tes	t set.				158,70		.OF
	(a)	SW1 Meter	Set to 'SYNCHROS'.		36	test f. WE-(
	(- i	Function.				an trough		
		SW4 Synchros.	Ensure set to 'BANK'.					
	(c)	Meter.	Ensure moves negative at ECB rate (1/4 degree/					
	(d)	SW6 Erection Mode.	minute). Set to 'ECB OVERRIDE'.		BOX.) DWG Daed Yoday	d)	
	(e)	Meter.	Ensure pointer moves			ratel (
	(-)		negative at normal					144
			erection rate (1.5					
	(-)		degrees/minute).					1
	(f)	SW6 Erection	Set to 'FAST ERECT'.		RGLI	DAY CHU	-	
	(~)	Mode. Meter.	Ensure pointer moves			TO A COUNTY		
	(g)	Merer.	negative at fast			The second second		1
			erection rate (20 degrees					
			/minute) and then stops.					
	(h)	Synchro dial.	Adjust to zero meter reading.		NO R	pendiows t. Malek	n().	
	(j)	SW6 Erection	Set to 'NORMAL'.		alamai .	220 natroi		- FF
		Mode.			NO.	The state of the state of		
12.	Mot	oring Off Bank		1		. for le		1.17
	(Le	ft Wing Low)	THE PARTY OF THE		100	SWA Synal		
12.1	Tes	t set.			Eto 1	POTON CUB (
	(a)	SW9 Motor	Inch (LWL) until ECB					
		Off.	lamp illuminates with	1		1		
			switch released.		125			
	(b)	Synchro dial.	(i) Adjust to zero					
			meter reading. (ii) Ensure reads figure					
			recorded in Sub-					
			item 6.1 (g) (iii)					
			minus 10 degrees		1			
			PLUS OR MINUS 3					
	()		degrees.			The same of the last		1
	(c)	•	Set to read '350 degrees' Inch to zero meter			100		
	(a)	SW9 Motor Off.	reading.		1	etali. 1 Mate	10	
	(e)	SW1 Meter	Set to 'BANK POT'.			Punctions		
		Function.	ovirided almest extra			Later L	70	
100	(f)	Meter.	Ensure reads negative					
			0.1 PLUS OR MINUS 0.025.			in a shurt	TO A	1
				1		- Totale U	January 1	
	M FOO	010/24A		-	ontinu		1 7 7	

CHAP	2	NAV INST	SERVICING PROCEDURES		AP1	01B-1000-5A3 Section1	E	
SP NO	102	CONTINUED	LICHTNING		(1st Edition)	991	
SHEET	11		A CONTRACTOR OF THE STATE OF TH	AC N	MANAGEMENT OF THE OWNER.	DATE .	AND DESCRIPTION OF THE PARTY NAMED IN	
		ervicing Notes are tailed on this card.	o be complied with throughout	100.0		VICING RECOR		
tue wor	k det			(1)	(2)	(3)	(4)	(5
		NAV I	NSTRUMENTS	100				
12.		oring Off Bank ft Wing Low) (Contd)					
12.2	Att	itude	Ensure indicates 10					
	ind	icator.	degrees left wing low.					
12.3	Пос	t set.			Lehry		42 1	
12.5		SW 1 Meter Function.	Set to 'SYNCHROS'.					
	(b)	SW4 Synchros.	Ensure set to 'BANK'.					
	(c)	Meter.	Ensure pointer moves				17	
			positive at ECB rate					
	(d)	SW6 Erection Mode.	(1/4 degrees/minute). Set to 'ECB OVERRIDE'.					
	(e)	Meter.	Ensure pointer moves					
			positive at normal					
			erection rate (1.5					
	(f)	SW6 Erection Mode.	degrees/minute). Set to 'NORMAL'.					
12.4	MRG	Pilot's	Press.					
		t erection ton.						
12.5	Tes	t set.	Ensure pointer moves		- 1			
			positive at fast					
			erection rate (20		-			
			degrees/minute) and then stops.					
12.6	MDC	.Pilot's	Release.					
12.0		t erection	nelease.					
		ton.						
12.7	Tes	t set.					3.77	
	(a)	Synchro dial	Adjust to zero meter					
	(b)	SW4 Synchros.	reading. Set to 'OFF'.					
13.	Amp	lifier Outputs				reindreight f		
13.1	Tes	st set.		1,00		, they		
		SW1 Meter Function.	Set to 'AMPS'.			MANAGER D		
	(b)	SW5 Servo	Set to the following			intell religi	40	
		Amp O/Ps.	positions and ensure meter reading does not			Transport to		1.
			exceed 0.75 in each case:		no.	to make the state of		13
			(i) 'HDG F.U.'					
			(ii) 'INTEGRATOR'.					
			(iii) 'TRUE NORTH'. (iv) 'Set to OFF'.		Towns.			

CHAP SP NO	102	NAV IN		SERVICING PROCEDURES LIGHTNING			101B-1000-5 Section (1st Edition	1	
SHEET	12		Total Co		AC N	-	DATE		
		owei oing Note	00 000 +	be complied with throughout	AU I	managed the con-	RVICING REC	CHARLES THE PROPERTY OF THE PARTY OF THE PAR	·
		ailed on this		be compiled with throughout	(1)	(2)	(3)	(4)	(5)
****	-		TAT	INSTRUMENTS	1	(2)	(3)	(4)	10,
				INSTITUTENTS					
14.	Mag	netic Slav	ving		100				151
14. 14.1	Tes (a) (b) (c) (d) (f)	t set. SW1 Meter Function. SW4 Synch Synchro d SW7 Mag Mon. Synchro d Sw7 Mag Mon. Synchro d	r hros. dial.	Set to 'SNYCHROS'. Set to 'HDG X1'. (i) Adjust to zero meter reading. (ii) Record synchro dial reading. (i) Set to '+3 degrees/minute'. (ii) After 3 minutes set to centre. (i) Adjust to zero meter reading. (ii) Ensure synchro dial reads figure recorded in Subitem 14.1 (c) (ii) plus 9 degrees PIUS or MINUS 3 degrees. (ii) Record synchro dial reading. (i) Set to -3 degrees/minute. (ii) After 3 minutes set to centre. (i) Adjust to zero meter reading. (ii) Ensure synchro dial reads figure recorded in Subitem 14.1 (e) (iii) Minus 9 degrees PIUS OR MINUS 3			TABLES OF THE PARTY OF THE PART		
14.2		Master		degrees. Set to 'OFF'.					
14.3	con	Pilots trol Unit		Set to 'OFF'.			Burrketet Renedlete Mis Berge	(a) (e)	
		trument		Set to 'OFF'.			PAYCE CHAR		

CHAP	2	NAV INST	SERVICING PROCEDURES		AP	101B-	-1000-51 ection	A3 E	
SP NO	102	CONTINUED	LICHTNING				Edition		THE THE
SHEET	13		07	AC N	го . а		• DATE		
Safety	and S	Servicing Notes are	to be complied with throughout		SE	RVICI	NG RECO	ORD	Salar.
the wo	rk de	tailed on this card	· 61	(1)	(2)		(3)	(4)	(5)
		NAV	INSTRUMENTS	100					
15.	A12	3B Checks Prep	aration		100	0.6			181
15.1	ass	st set cable sembly /10238.	(i) Connect to test sockets C,H and J on the FSDB. (ii) Connect plug P2 to socket J2 on the test set.		TE TE SENSE SALLE SOURCE	debl o El orysi orod object		(a) (b) (c) (b)	81
15,2		strument ster switch.	Set to 'ON'.	.,	e sei s	e cangli			
15.3		G Master	Set to 'ON'.		ones	Inco			
15.4	Te	st set.	Allow system to complete starting cycle.		A Pilo	arto setelli	intry &		
		RA	DAR meetingal ONE food het		, par	heari			1
NB 2 16. 16.1	wi <u>Pr</u>		for more than 10 minutes cooling trolley. Switch on and run up.	1,31	ergis.	rigil opryd			
1001			I ISNTRUMENTS	+		+			1
4.77	ΛТ				but				
17.		23B Voltage C	THE CK			operate and the second			
17.1	(a	st set.) SW1 Meter Function.) SW2 Select A.c. Volts.	Set to 'AC'. Set to the following positions in turn and check that the meter reads within the Green band in each instance. (i) '115 BANK AI'. (ii) '40 ELEV AI'.		A si	2 Lot 2 Lot		Tient (
				CLUTP CONTRACTOR	1 湯				

CHAP	2	NAV INST	SERVICING PROCEDURES		AP1	01B-1000-5A3 Section 1	E	
SP NO	102	CONTINUED	LIGHTNING		(1st Edition)		
SHEET	14			AC N	Laurence and Color	DATE .		
		ervicing Notes are to	be complied with throughout	(.)		RVICING RECORD	1 (4)	(5)
one we			NOMDI IMEMMO	(1)	(2)	(3)	(4)	(5)
•			NSTRUMENTS					
18.	Ele	vation Output to	AI 23B	201			-	
18.1	(a)	st set. SW1 Meter Function.	Set to 'SNYCHS'.					
	(c)	SW4 Synchs. Synchro dial. SW10 Motor Off.	Set to 'ELEV'. Set to '20 degrees'. Inch nose up to zero meter.					
	(f)	SW4 Synchros. Meter.	Check meter reads 0.5 PLUS OR MINUS 0.1.			nd Mar adduen		
	(g, (h) (j)		Set to 'ELEV'. Set to 'ZERO'. Set to 'FAST ERECT'.			. Landen	1	et
	(k) (1)) SW6 Erection Mode.	Set to 'NORMAL'.) im	nggad Feft c		10.00 10.00 10.00
	(n)	Off. Off. SW4 Synchros. Meter.	Inch nose down to zero meter. Set to 'AI ELEV'. Check reads 0.5 PLUS OR	Orbin	mann.	sinch danbillu <u>an Marsha</u> e		l de
	(q)) Synchro dial.) SW4 Synchros.	MINUS 0.1. Set to 'AERO'. Set to 'ELEV'. (i) Set to 'FAST ERECT' to zero meter. (ii) Set to 'NORMAL'.	T. Y		Miles NE (a)		
19.	Bar	nk Output to AI2	3B		100	TRE DES L		
19.1	(a (b (c (d	st set.) SW4 Synchros.) Synchro dial.) SW10 Motor) SW4 Synchros.) Meter.	Set to '10 degrees'. Inch RWL to zero meter. Set to 'AI BANK'. Check that meter reads zero.		m (4.)			
	(g (h	Mode.	(i) Set to 'FAST ERECT and zero meter. (ii) Set to 'NORMAL'.	Ŷ				
) SW10 Motor Off.	Set to 350 degrees. Inch LWL to zero meter.					
	(m) Sw 4 Synchros.) Meter.) Synchro dial	Set to 'AI BANK'. Check reads zero. Set to 'ZERO'.					
		0/26A		L	ntinu		1	

19. <u>Bar</u>	NAV nk Output to AI23 st set.) SW4 Synchros.	Set to 'BANK'.		0	1st Edition) DATE VICING RECOR		(5)
afety and She work det 19. Bar 19.1 Tes	NAV nk Output to AI23 st set.	INSTRUMENTS (Contd) Set to 'BANK'.		SER	VICING RECOR	RD C	
19. <u>Bar</u> 19.1 Tes	NAV nk Output to AI23 st set.	INSTRUMENTS (Contd) Set to 'BANK'.	(1)		-		(5)
19. <u>Bar</u> 19.1 Ter (p	NAV nk Output to AI23 st set.	Set to 'BANK'.					
19.1 Te:	nk Output to AI23 st set.) SW/ Synchros.	Set to 'BANK'.					
19.1 Te:	st set.	Set to 'BANK'.					
(p) SWA Synchros.	Set to 'BANK'.					
		(i) Set to 'FAST ERECT' and zero meter. (ii) Set to 'NORMAL'.					
	R	ADAR					
20. Co:	mpletion						
	23B	Set to 'OFF'.					
		V INSTRUMENTS					
21. Co	mpletion						
	G Master witch.	Set to 'OFF'.					
Ma	strument ster vitch.	Set to 'OFF'. Set to 'OFF'.					
21.3 Te	est cables.	Remove.		14			
	est sockets H,J.J205	Fit blanks and shorting plugs.					
21.5 Te	est set.	Remove from aircraft.					-
SU	kternal power applies (AC nd DC).	(i) Switch off. (ii) Disconnect.					
	ccess panel	Refit.					-

Ten inst. (c) Std Symptom. (d) Std Ephotics			
	(ii) But to MONNAL'.		
Seminary .			

