

List of Contents																SP No.
E2B Compass Pivot Friction Test	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	246
Compass System Test	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	247
Not allocated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	248-251
Master Reference Gyro Mk1D and Associated Displays - Mk7A	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	251A
Master Reference Gyro Mk1E and Associated Displays - Mk8B	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	251B
Navigational Display System, Tacan Mode Functional Test - Mk7A and 8B	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	252
Navigational Display System, ILS Mode Functional Test - Mk7A and 8B	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	253
Air Data System Calibration Test - Mk7A and 8B	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	254
Not Allocated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	255

HUN/5A3B/2.220

FLT SYST SP 247 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
COMPASS SYSTEM TEST						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 2. <u>System</u> (Contd) 2.3 Compass card. Ensure time taken to precess from 5 degrees to within 1/2 degree (2.5V on voltmeter) of synchronized heading does not exceed 3 minutes. 2.4 System. Repeat Sub-items 2.1 to 2.3 inclusive in opposite direction.											
BLOCK 2 FLIGHT SYSTEMS 3. <u>General</u> 3.1 Test set jack plug lead. Remove from deviation control panel. 3.2 External power supplies. Set to 'OFF'.											
SMS/ 1354						Continued					

FLT SYST SP 251A (1) (1 to 8)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS				AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:				RAF Form 2988B (Revised Jan 85)	
MASTER REFERENCE GYRO MK1D AND ASSOCIATED DISPLAYS NB: This Procedure is applicable only to Mk7A Aircraft.										TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD										MAN HRS 1	INITS & TDM 2			MAN HRS 4	INITS & TDM 5
TRADE FS Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS						Code					
Special Tools and Equipment:															
Air Data Test Set Type 8A 6C/4369642.															
NB: Aircraft fast erection switches are not to be operated when test set type 8A is connected to aircraft.															
BLOCK 1 ELECTRICAL 1. <u>Preparation</u> 1.1 External power supplies. (d.c.). Connect to aircraft															
BLOCK 2 FLIGHT SYSTEMS 2. <u>Preparation</u> 2.1 Aircraft test sockets. (a) J (Frame 11-12 Starboard). Remove shorting plug. (b) L (Side of cockpit). Remove blanking cap. 2.2 Test set type 8A. (i) Connect test cable CA 6 between test set socket J and aircraft test socket J. (ii) Connect test cable CA 5 between test set socket L and aircraft test socket L. 2.3 Test set type 8A motor Off MRG switch. (S4). Set to 'ERECTION ON'.															
SMS/ 133										Continued					

FLT SYST SP 251A (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1D AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 2 ELECTRICAL											
3. <u>Preparation</u>											
3.1 External power supplies. Set to 'ON'.											
3.2 Inverter test switches. Set to and maintain the 'Test' position.											
BLOCK 2 FLIGHT SYSTEMS											
4. <u>Test</u>											
4.1 Attitude indicator. (i) Ensure power failure warning flag clears in 17 to 35 seconds. (ii) Ensure display is indicating aircraft attitude PLUS OR MINUS 2 degrees within 2 minutes.											
BLOCK 3 FLIGHT SYSTEMS											
5. <u>Test</u>											
5.1 Navigation display unit. Ensure compass card rotates swiftly, to align with the MRG azimuth gyro simultaneously with the power failure warning flag clearing on the attitude indicator.											
5.2 Nav display unit comp/DG selector. (i) Set to 'Compass Mode'. (ii) Check that compass card moves towards aircraft heading at approximately 3 degrees/minute.											
SMS/ 133A						Continued					

FLT SYST SP 251A (3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1D AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 6. <u>Test Set Type 8A</u> 6.1 Motor Off MRG switch. (S4). <ul style="list-style-type: none"> (i) Select 'LWL' and ensure attitude indicator moves steadily to indicate LWL. (ii) When display is approximately 35 degrees LWL select 'ERECTION OFF'. (iii) Select 'ERECTION FAST' and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds. (iv) When display indicates less than 10 degrees LWL select 'ERECTION ON' and ensure display continues to return towards the aircraft attitude at a rate of 1 degree in 14 to 36 seconds. 											
BLOCK 2 FLIGHT SYSTEMS 7. <u>Test</u> 7.1 Attitude indicator. <ul style="list-style-type: none"> (i) Ensure elevation angle has not changed by more than PLUS OR MINUS 2 degrees. (ii) Allow display to erect to indicate aircraft attitude. 											
SMS/ 134						Continued					

FLT SYST SP 251A (4)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1D AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 8. <u>Test Set Type 8A</u> 8.1 Motor Off MRG switch. (S4). <ul style="list-style-type: none"> (i) Select RWL and ensure display moves steadily to indicate RWL. (ii) When display is approximately 35 degrees RWL, select 'ERECTION OFF'. (iii) Select 'ERECTION FAST' and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds. (iv) When the display is indicating less than 10 degrees RWL select 'ERECTION ON' and ensure display continues to return towards aircraft attitude at a rate of 1 degree in 14 to 36 seconds. 											
BLOCK 2 FLIGHT SYSTEMS 9. <u>Test</u> 9.1 Attitude indicator. <ul style="list-style-type: none"> (i) Ensure elevation angle has not changed by more than PLUS OR MINUS 2 degrees. (ii) Allow display to erect to indicate aircraft attitude. 											

SMS/ 131A

Continued

FLT SYST SP 251A (5)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)	
MASTER REFERENCE GYRO MK1D AND ASSOCIATED DISPLAYS				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 10. <u>Test Set Type 8A</u> 10.1 Motor Off MRG switch. (S4). <ul style="list-style-type: none"> (i) Select 'NU' and ensure display moves steadily to indicate a nose up elevation angle. (ii) When display is approximately 30 degrees nose up, select 'ERECTION OFF'. (iii) Select 'ERECTION FAST' and ensure display returns towards the aircraft attitude at a rate of 10 degrees in 11 to 14 seconds. (iv) When the display indicates less than 4.5 degrees nose up, select 'ERECTION ON' and ensure display continues to return towards the aircraft attitude at a rate of 1 degree in 14 to 36 seconds. 									
BLOCK 2 FLIGHT SYSTEMS 11. <u>Test</u> 11.1 Attitude indicator. <ul style="list-style-type: none"> (i) Ensure bank angle has not changed by more than PLUS OR MINUS 2 degrees. (ii) Allow display to erect to indicate aircraft attitude. 									
SMS/ 135									

SMS 53B

Continued

HUN/5A3B/2.227

FLT SYST SP 251A (6)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1D AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 12. <u>Test Set Type 8A</u> 12.1 Motor Off MRG switch. (S4). <ul style="list-style-type: none"> (i) Select 'ND' and ensure display moves steadily to indicate a nose down elevation angle. (ii) When display is approximately 30 degrees nose down, select 'ERECTION OFF'. (iii) Select 'ERECTION FAST' and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds. (iv) When display indicates less than 4.5 degrees nose down select 'ERECTION ON' and ensure display continues to return towards aircraft attitude at a rate of 1 degree in 14 to 36 seconds. 											
BLOCK 2 FLIGHT SYSTEMS 13. <u>Test</u> 13.1 Attitude indicator. <ul style="list-style-type: none"> (i) Ensure bank angle has not changed by more than PLUS OR MINUS 2 degrees. (ii) Allow display to erect to indicate aircraft attitude. 											
SMS/135A						Continued					

FLT SYST SP 251A (7)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1D AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 14. <u>Test Set Type 8A</u> 14.1 Motor Off MRG switch. (S4). Select 'ND' and when display is approximately 30 degrees nose down select 'ERECTION OFF'.											
BLOCK 2 FLIGHT SYSTEMS 15. <u>Completion</u> 15.1 Test set type 8A. (i) Disconnect test cable CA 5 from aircraft test socket L. (ii) Disconnect test cable CA 6 from aircraft test socket J. 15.2 Aircraft test sockets: (a) J. Refit shorting plug. (b) L. Refit blanking cap. 15.3 Aircraft fast erection switches. (i) Operate and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds. (ii) When display indicates less than 4.5 degrees release fast erection switch and ensure display returns to aircraft attitude at a rate of 1 degree in 14 to 36 seconds.											

SMS/ 136

Continued

FLT SYST
SP 251A (8)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 6

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

MASTER REFERENCE GYRO MK1D AND ASSOCIATED DISPLAYS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD	Code	TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR	
		MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1 ELECTRICAL 16. <u>Completion</u> 16.1 Inverter test switches. Set to 'OFF'. 16.2 External power supplies. (i) Set to 'OFF'. (ii) Disconnect and remove.						

SMS/ 136A

Continued

FLT SYST SP 251B (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)	
MASTER REFERENCE GYRO MK1E AND ASSOCIATED DISPLAYS				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 4. <u>Test</u> 4.1 Attitude indicator. <div style="float: right;"> (i) Ensure power failure warning flag clears in 17 to 35 seconds. (ii) Ensure display indicates aircraft attitude PLUS OR MINUS 2 degrees within 2 minutes. </div>									
BLOCK 2 FLIGHT SYSTEMS 5. <u>Test</u> 5.1 Navigation display unit. <div style="float: right;"> Ensure compass card rotates swiftly, to align with MRG azimuth gyro simultaneously with power failure warning flag clearing on the attitude indicator. </div> 5.2 Navigation display unit Comp/DG selector. <div style="float: right;"> (i) Set to compass mode. (ii) Ensure compass card moves towards aircraft heading at approximately 3 degrees/minute. </div>									
BLOCK 3 FLIGHT SYSTEMS 6. <u>MRG Motoring Off Switch</u> 6.1 Selector. <div style="float: right;"> (i) Select 'PRECESS BANK LWL' and ensure attitude indicator moves steadily to indicate LWL. (ii) When display is approximately 35 degrees LWL select 'ERECTION OFF'. </div>									

SMS/ 137A

Continued

FLT SYST SP 251B (3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6.		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1E AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS											
6. <u>MRG Motoring Off Switch</u> (Contd)											
6.1 Selector. (Contd)											
(iii) Select 'ERECTION FAST' and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds.											
(iv) When display indicates less than 10 degrees LWL select 'ERECTION ON' and ensure display continues to return towards the aircraft attitude at a rate of 1 degree in 14 to 36 seconds.											
BLOCK 2 FLIGHT SYSTEMS											
7. <u>Test</u>											
7.1 Attitude indicator.											
(i) Ensure elevation angle has not changed by more than PLUS OR MINUS 2 degrees.											
(ii) Allow display to erect to indicate aircraft attitude.											
BLOCK 3 FLIGHT SYSTEMS											
8. <u>MRG Motoring Off Switch</u>											
8.1 Selector.											
(i) Select 'PRECESS BANK RWL' and ensure attitude indicator moves steadily to indicate RWL.											
(ii) When display is approximately 35 degrees RWL select 'ERECTION OFF'.											
SMS/ 138		Continued									

FLT SYST SP 251B (4)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1E AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS											
8. <u>MRG Motoring Off Switch</u> (Contd)											
8.1 Selector. (Contd)											
(iii) Select 'ERECTION FAST' and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds.											
(iv) When display indicates less than 10 degrees RWL select 'ERECTION ON' and ensure display continues to return towards aircraft attitude at a rate of 1 degree in 14 to 36 seconds.											
BLOCK 2 FLIGHT SYSTEMS											
9. <u>Test</u>											
9.1 Attitude indicator.											
(i) Ensure elevation angle has not changed by more than PLUS OR MINUS 2 degrees.											
(ii) Allow display to erect to indicate aircraft attitude.											
BLOCK 3 FLIGHT SYSTEMS											
10. <u>MRG Motoring Off Switch</u>											
10.1 Selector.											
(i) Select 'PRECESS ELEVATION NU' and ensure display moves steadily to indicate a nose up elevation angle.											
(ii) When display is approximately 30 degrees nose up, select 'ERECTION OFF'.											
SMS/ 128A									Continued		

FLT SYST SP 251B (5)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1E AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 10. <u>MRG Motoring Off Switch</u> (Contd) 10.1 Selector. (Contd)											
(iii) Select 'ERECTION FAST' and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds. (iv) When display indicates less than 4.5 degrees nose up, select 'ERECTION ON' and ensure display continues to return towards the aircraft attitude at a rate of 1 degree in 14 to 36 seconds.											
BLOCK 2 FLIGHT SYSTEMS 11. <u>Test</u> 11.1 Attitude indicator.											
(i) Ensure bank angle has not changed by more than PLUS OR MINUS 2 degrees. (ii) Allow display to erect to indicate aircraft attitude.											
BLOCK 3 FLIGHT SYSTEMS 12. <u>MRG Motoring Off Switch</u> 12.1 Selector.											
(i) Select 'PRECESS ELEVATION ND' and ensure display moves steadily to indicate a nose down elevation angle. (ii) When display is approximately 30 degrees nose down select 'ERECTION OFF'.											
SMS/ 139						Continued					

FLT SYST
SP 251B (6)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B
Sect 2
Chap 6

SERVICING RECORD

RAF Form 2988B
(Revised Jan 85)

Aircraft Ser No:
Date:

MASTER REFERENCE GYRO MK1E AND ASSOCIATED DISPLAYS

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD		Code	TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR	
			MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1	FLIGHT SYSTEMS						
12.	MRG Motoring Off Switch (Contd)						
12.1	Selector. (Contd)						
	(iii) Select 'ERECTION FAST' and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds.						
	(iv) When display indicates less than 4.5 degrees nose down, select 'ERECTION ON' and ensure display continues to return towards the aircraft attitude at a rate of 1 degree in 14 to 36 seconds.						
BLOCK 2	FLIGHT SYSTEMS						
13.	Test						
13.1	Attitude indicator.						
	(i) Ensure bank angle has not changed by more than PLUS OR MINUS 2 degrees.						
	(ii) Allow display to erect to indicate aircraft attitude.						
BLOCK 3	FLIGHT SYSTEMS						
14.	MRG Motoring Off Switch						
14.1	Selector.						
	(i) Select 'PRECESS ELEVATION ND' and when display is approximately 30 degrees nose down select 'ERECTION OFF'.						

SMS/ 159A

Continued

FLT SYST SP 251B (7)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
MASTER REFERENCE GYRO MK1E AND ASSOCIATED DISPLAYS						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS											
15. <u>Completion</u> 15.1 MRG motoring off switch. Disconnect from aircraft test socket. 15.2 MRG test socket shorting plug. Refit. 15.3 MRG distribution box. Refit cover. 15.4 Aircraft fast erection switches. (i) Operate and ensure display returns towards aircraft attitude at a rate of 10 degrees in 11 to 14 seconds. (ii) When display indicates less than 4.5 degrees release fast erection switch and ensure display returns to aircraft attitude at a rate of 1 degree in 14 to 36 seconds.											
BLOCK 2 ELECTRICAL											
16. <u>Completion</u> 16.1 Inverter test switches. Set to 'OFF'. 16.2 External power supplies. (i) Set to 'OFF'. (ii) Disconnect and remove.											
SMS/ 140						Continued					

FLT SYST SP 252 (1) (1 to 7)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS				AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:				RAF Form 2988B (Revised Jan 85)	
NAVIGATIONAL DISPLAY SYSTEM, TACAN MODE FUNCTIONAL TEST NB: This Procedure is applicable only to 7A and 8B Aircraft.										TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD										MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5	
TRADE FS Elect	M/HRS	TRADE AR	M/HRS	ASSOCIATED PROCEDURE CARDS				Code							
Special Tools and Equipment: Nil.															
BLOCK 1 <div style="text-align: center;">ELECTRICAL</div> 1. <u>Preparation</u> 1.1 External power supplies. Set to 'ON'. 1.2 AC junction box No.1. (1) Remove cover. (ii) Set Ground Test switch to 'ON'. 1.3 No.1 inverter test switch. Set to and maintain in 'ON' position.															
BLOCK 2 <div style="text-align: center;">AIR RADAR</div> 2. <u>Preparation</u> 2.1 Test kit Type 6996. (a) RF cover Type 4345. Secure over aerial. (b) Connector. Connect to RF cover and test set RF socket. 2.2 Test set Type 10166. (a) Power connector. Connect to 115V a.c. (b) On/Off switch. Set to 'ON'. 2.3 Head set. Connect to Pilot's mic/tel socket. 2.4 JB 148. Set to 'BEAC' or 'MIX'.															
SMS/ 141										Continued					

HUN/5A3B/2.239

NAVIGATIONAL DISPLAY SYSTEM, TACAN MODE FUNCTIONAL TEST

ITEM	CONTROL UNIT TYPE 9273		TEST SET TYPE 10166			HEAD SET	TACAN OFFSET COMP		TACAN COUPLING UNIT		NAVIGATIONAL DISPLAY UNIT			
	CONTROL	SELECTION	CONTROL	SELECTION	METER		CONTROL	SELECTION	RANGE INDICATION	BEARING INDICATION	CONTROL	SELECTION	PRESENTATION	OPERATION
1.	On/Off switch. Function switch. Channel switch.	On. BRG. 39.												
2.			Meter switch Attenuator Set Zero.	'TX' Power Red/ Green. Junction Adjust as required.	'0'									
3.			Meter switch HF Level	'RX' Sens Adjust as required	30									
4.	Volume	Operate				Ensure Ident Tone is audible								
5.			Meter switch.	'TX' Power.										
6.						Range Bearing	'000'							
7.	Function switch.	Dist. BRG												

NAVIGATIONAL DISPLAY SYSTEM, TACAN MODE FUNCTIONAL TEST

ITEM	CONTROL UNIT TYPE 9273		TEST SET TYPE 10166			HEAD SET	TACAN OFFSET COMP		TACAN COUPLING UNIT		NAVIGATIONAL DISPLAY UNIT			
	CONTROL	SELECTION	CONTROL	SELECTION	METER		CONTROL	SELECTION	RANGE INDICATION	BEARING INDICATION	CONTROL	SELECTION	PRESENTATION	OPERATION
8.											Mode Selector	TAC.	Roller Blind Range counter	Check Tacan range display appears within 10 seconds. Ensure flags clear.
9.													Roller Blind. Range counter	Ensure range scale alternately increases slowly to 200 nm then moves rapidly back to zero. Ensure indication approximates that of roller blind.
10.													Roller Blind Carriage.	Ensure bearing display rotates slowly anti- clockwise.
11.			RF Level Range switch. Bearing switch. Meter switch.	Adjust as reqd. 105 nm 140. 'RX' Sense										
12.									Check indication is 105 nm \pm 3 nm.	Check indication is 140 degrees \pm 5 degrees.			Roller Blind Carriage.	Check bearing is between 135 degrees and 147 degrees.
13.			Bearing switch.	'323'										

NAVIGATIONAL DISPLAY SYSTEM, TACAN MODE FUNCTIONAL TEST

ITEM	CONTROL UNIT TYPE 9273		TEST SET TYPE 10166			HEAD SET	TACAN OFFSET COMP		TACAN COUPLING UNIT		NAVIGATIONAL DISPLAY UNIT			
	CONTROL	SELECTION	CONTROL	SELECTION	METER		CONTROL	SELECTION	RANGE INDICATION	BEARING INDICATION	CONTROL	SELECTION	PRESENTATION	OPERATION
14.									Check indication is 105 nm. +3 nm.	Check indication is 323 degrees + 5 degrees.			Roller Blind Carriage.	Check bearing is between 318 degrees and 328 degrees.
15.			RF Level Attenuator Range switch.	Adjust as reqd. Green 4. 5 nm.	30									
16.									Check indication is 5 nm. ±2.5 nm.				Range counter Roller blind)	Check indication is between 2 nm and 7.5nm.
17.			Range switch.	105 nm.										
18.									Check indication is: 105 nm ±5 nm.				Range counter Roller blind)	Check indication is between 100 nm and 110 nm.
19.			Bearing switch.	140										
20.								Bearing Range.	Adjust to that of Tacan Coupling unit + 90 degrees. Adjust to that of Tacan Coupling unit.					

NAVIGATIONAL DISPLAY SYSTEM, TACAN MODE FUNCTIONAL TEST

ITEM	CONTROL UNIT TYPE 9273		TEST SET TYPE 10166			HEAD SET	TACAN OFFSET COMP		TACAN COUPLING UNIT		NAVIGATIONAL DISPLAY UNIT			
	CONTROL	SELECTION	CONTROL	SELECTION	METER		CONTROL	SELECTION	RANGE INDICATION	BEARING INDICATION	CONTROL	SELECTION	PRESENTATION	OPERATION
21.													Roller blind carriage.	Check that bearing is that of Tacan coupling unit ± 5 degrees ± 2 degrees.
22.													Range counter. Roller blind.	Check that range indication is that of the Tacan coupling unit $\pm 1.414 \pm 3$ nm.
23.											Mode Selector	DL.	Roller blind carriage.	Check bearing is between 133 degrees and 147 degrees.
24.			Meter switch. Attenuator	TX Power Adjust as reqd.	30									
25.			Attenuator	Ensure that Green appears under cursor.										
26.	On/Off switch. Function switch.	Off. ERG												
27.											Mode Selector	Comp.		

FLT SYST SP 252 (7)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
NAVIGATIONAL DISPLAY SYSTEM, TACAN MODE FUNCTIONAL TEST						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITIS & TDM 2	3	MAN HRS 4	INITIS & TDM 5
BLOCK 1 AIR RADAR											
4. <u>General</u>											
4.1 Test set Type 10166 power connector. Disconnect 115V a.c.											
4.2 Test kit Type 6996. (a) RF cover Type 4345. Remove from aerial. (b) Connector. Disconnect from RF cover and test set RF socket.											
4.3 Head set. Disconnect and remove from Pilot's mic/tel socket.											
BLOCK 2 ELECTRICAL											
5. <u>General</u>											
5.1 External power supplies. (d.c.). (i) Set to 'OFF'. (ii) Disconnect. (iii) Remove.											
5.2 AC junction box No.1. Refit cover.											
5.3 No.1 inverter test switch. Set to 'OFF'.											
SMS/ <i>144</i>						Continued					

FLT SYST SP 253 (1) (1 to 6)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS				AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:				RAF Form 2988B (Revised Jan 85)	
NAVIGATIONAL DISPLAY SYSTEM, ILS MODE FUNCTIONAL TEST NB: This Procedure is applicable only to 7A and 8B Aircraft.										TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD										MAN HRS 1	INITS & TDM 2	3		MAN HRS 4	INITS & TDM 5
TRADE FS Elect	M/HRS	TRADE AC	M/HRS	ASSOCIATED PROCEDURE CARDS				Code							
Special Tools and Equipment: Nil.															
BLOCK 1 ELECTRICAL 1. <u>Preparation</u> 1.1 External power supplies. (d.c.). 1.2 No.1 inverter test switch.															
(i) Connect to aircraft. (ii) Set to 'ON'. Set to and maintain in the 'ON' position.															
BLOCK 2 AIR COMMS 2. <u>Preparation</u> 2.1 Localizer and glidepath receiver pre-set control seals. 2.2 Test set Type 391. (a) Test set. (b) Power connector. (c) Localizer aerial. (d) On/Off switch. (e) Supply/Operate.															
Ensure intact. Position as near to localizer aerals as possible. Connect to 28V d.c. supply. Extend. Set to 'ON'. Depress and ensure that the meter indicates in the Red sector, then release.															
SMS/ 145										Continued					

HUN/5A3B/2.246

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

NAVIGATIONAL DISPLAY SYSTEM, ILS MODE FUNCTIONAL TEST

ITEM	TEST SET TYPE 391			HEAD SET	NAVIGATIONAL DISPLAY UNIT			
	CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	PRESENTATION	OPERATION
1.					Mode selector.	Comp.	Compass card.	Ensure that it motors to random heading in 2-3 seconds.
2.					Comp/DG selector.	Compass.	Annunciator flag.	Ensure that it remains central for 2-3 seconds and then either oscillates slowly or indicates dot or cross.
3.					Syn knob.	Adjust as reqd	Compass card.	Synchronize and check heading approximates that of E2B compass.
4.					Mode selector.	ILS.	GP bar. Roller blind.	Check that it is driven to zero datum in less than 10 seconds. Check that it is driven to localizer zero datum in less than 10 seconds.
5.					Heading knob.	Pull out and turn as reqd.	Selected heading pointer. Localizer. Localizer datum.	Ensure no movement occurs. Ensure that it can be set to any desired heading. Set to lubber mark.
6.	Function switch. Tuning switch. Deflection.	Local Xtal. Adjust as reqd.	'0'					
7.							Localizer warning flag. Localizer beam bar.	Ensure flag clears. Ensure that it takes up a position with the localizer datum midway between the lines.
8.	Deflection	Adjust as reqd.	Max left.					
9.							Localizer beam bar.	Check that it moves left of datum by approximately 3/4 in.
10.	Deflection.	Adjust as reqd.	Max right.					

NAVIGATIONAL DISPLAY SYSTEM, ILS MODE FUNCTIONAL TEST

ITEM	TEST SET TYPE 391			HEAD SET	NAVIGATIONAL DISPLAY UNIT			
	CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	PRESENTATION	OPERATION
11.							Localizer beam bar.	Check that it moves right or datum by approximately 3/4 in.
12.	Function switch. Freq Mod switch.	Loc Audio. 1300						
13.				Ensure that 1300 Hz note is audible				
14.	(a) Position test set as near to aircraft GP aerial as possible. (b) Extend test set GP aerial.							
15	Function switch. Tuning switch. Deflection.	Glide path Xtal. Adjust as reqd.	'0'					
16.							GP warning flag. Glide path bar.	Ensure flag clear. Ensure that it is coincident with the central index mark.
17.	Deflection.	Adjust as reqd.	Max left					
18.							Glide path bar.	Check that the bar moves to the upper limit. (Approximately 0.55 in. from datum).
19.	Deflection.	Adjust as reqd.	Max right.					
20.							Glide path bar.	Check that the bar moves to the lower limit. (Approximately 0.55 in. from datum).

NAVIGATIONAL DISPLAY SYSTEM, ILS MODE FUNCTIONAL TEST

	TEST SET TYPE 391			HEAD SET	NAVIGATIONAL DISPLAY UNIT			
ITEM	CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	PRESENTATION	OPERATION
21.	(a) Position test set as near to marker aerial as possible. (b) Extend test set marker aerial.							
22.	Function switch. Tuning switch. Modulation switch.	Marker. Xtal. 1300 Hz.						
23.			Ensure that 1300 Hz note is audible					
24.						Marker lamp.	Ensure lit.	

FLT SYST SP 253 (6)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
NAVIGATIONAL DISPLAY SYSTEM, ILS MODE FUNCTIONAL TEST						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS											
4. <u>General</u>											
4.1 Navigational display unit. Set Mode selector to 'COMP'.											
BLOCK 2 AIR COMMS											
5. <u>General</u>											
5.1 Test set Type 391. (a) On/Off switch. Set to 'OFF'. (b) Power connector. Disconnect from 28V d.c. supply.											
5.2 ILS master switch. Set to 'OFF'.											
5.3 Head set. (i) Disconnect. (ii) Remove.											
BLOCK 3 ELECTRICAL											
6. <u>General</u>											
6.1 External power supplies. (d.c.). (i) Set to 'OFF'. (ii) Disconnect. (iii) Remove from aircraft.											
6.2 No.1 inverter test switch. Set to 'OFF'.											
SMS/ 14-7/8						Continued					

FLT SYST SP 254 (1) (1 to 21)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS				AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:				RAF Form 2988B (Revised Jan 85)	
AIR DATA SYSTEM CALIBRATION TEST NB: This Procedure is applicable only to 7A and 8B Aircraft.										TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD										MAN HRS 1	INITS & TDM 2	3		MAN HRS 4	INITS & TDM 5
TRADE FS Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS					Code						
Special Tools and Equipment:															
Nil.															
NB This servicing is applicable only to systems with Air Data Computer (Post Mod ADS89) and Static Transducer (Post Mod ADS88).															
BLOCK 1 ELECTRICAL															
1. Preparation															
1.1 External power supplies. (d.c.). Connect to aircraft.															
BLOCK 2 FLIGHT SYSTEMS															
2. Preparation															
2.1 Pitot/Static test set Mk3.									(i) Connect external supply lead to the external supply.						
									(ii) Connect tubing to pitot probe.						
									(iii) Close pitot and static controls.						
2.2 P-V test set.									(i) Connect supply outlets to appropriate connectors on Mk3 test set.						
									(ii) Close pressure and vacuum controls.						
									(iii) Connect electrical supply lead to external supply.						
SMS/ 148													Continued		

FLT SYST SP 254 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
AIR DATA SYSTEM CALIBRATION TEST						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 FLIGHT SYSTEMS 2. <u>Preparation</u> (Contd) 2.3 Independent control valve. (i) Tee valve inlet into pitot line between pitot probe and Mk3 test set. (ii) Ensure valve outlet is open to atmosphere. 2.4 Test set Type 8A. Connect PL1 to AD4 on the air data computer.											
BLOCK 2 ELECTRICAL 3. <u>Test</u> 3.1 External power supplies. (d.c.). Set to 'ON'. 3.2 Inverter test switches. Set to and maintain in the 'ON' position.											
BLOCK 3 FLIGHT SYSTEMS 4. <u>Test</u> NB: During Sub-item 4.1 if runaway pointer occurs the electrical power is to be set to 'OFF' immediately. 4.1 Height and speed display units - power failure warning flags. Ensure show 'BLACK'.											
SMS/ 14.11						Continued					

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
						P-S mbs	S mbs					
1.	Pressure Vacuum, Pump, Source.	Close Close Off, Pressure	Close.	Equalising.	Open.			ADS O/P	Test 2.	Check that servo indicator shows 00000 ± 00002.		
2.											(a) Set Millibar scale to 1013.25 mbs. (b) Check VSI pointer indicates 0 ± 120 ft/min.	Ensure pointer is located on left hand side.
3.				Pitot/Static change over. Supply change over. Pitot Static.	Adjust as required. Adjust as required. Adjust as required. Adjust as required.	0°	1013.25	ADS O/P	Off.			
4.											Check indication is:- 0 ft ± 90 ft.	
5.				Equalising Supply change over. Pitot/Static change over Pitot. Static.	Close. Ex-Press. Pitot Input. Close. Close.							
6.	Pump Pressure.	On. Open.		Pitot.	Adjust with care.		1013.25					Check that pointer starts to move.
7.				Pitot	Adjust with care.	10.43	1013.25					

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
						P-S mbs	S mbs					
8.												Check that airspeed pointer is visible at:- 80 kt \pm 5 kt.
9.				Pitot.	Adjust with care.	50.59	1013.25					
10.												Check airspeed indication is:- 175 kt \pm 3 kt.
11.				Pitot.	Adjust with care.	128.18	1013.25					
12.												(a) Check airspeed indication is:- 275 kt \pm 3 kt. (b) Check Mach No. indication is 0.415 \pm 0.02M.
13.				Pitot.	Adjust with care.	284.36	1013.25					
14.												(a) Check airspeed indication is:- 400 kt \pm 4 kt. (b) Check Mach No. indication is 0.605 \pm 0.02M.
15.				Pitot.	Adjust with care.	488.83	1013.25					
16.											Check indication is:- 0 \pm 90 ft.	(a) Check airspeed indication is:- 510 kt \pm 4 kt. (b) Check Mach No indication is 0.77 \pm 0.02M.

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
17.				Pitot.	Adjust with care.	P-S mba 632.85	S mba 1013.25					
18.												(a) Check airspeed indication is:- 570 kt \pm 5 kt. (b) Check Mach No. indication is:- 0.86 \pm 0.02M.
19.				Pitot.	Adjust with care.	746.70	1013.25					
20.												(a) Check airspeed indication is:- 611 \pm 5 kt. (b) Check Mach No. indication is:- 0.925 \pm 0.02M.
21.				Pitot	Adjust with care.	746.70	1013.25					
21A				Pitot.	Adjust with care.	810.37 to 904.68	1013.25					
22.				Pitot.	Adjust with care.	1043.55	1013.25					
23.				Pitot. Pitot/Static change-over.	Close. Pitot vent.	1131.60	1013.25					
24.	Pump. Pressure.	Off. Close.		Pitot.	Adjust with care.	1043.55	1013.25					

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
25.				Pitot.	Adjust with care	P-S mbs	S mbs					
26.						746.70	1013.25					(a) Check airspeed indication is:- 611 kt \pm 5 kt. (b) Check Mach No. indication is:- 0.925 \pm 0.02M.
27.				Pitot.	Adjust with care	632.85	1013.25					
28.												(a) Check airspeed indication is:- 570 kt \pm 5 kt. (b) Check Mach No. indication is:- 0.86 \pm 0.02M.
29.				Pitot.	Adjust with care.	488.83	1013.25					
30.											Check indication is:- 0 \pm 90 ft.	(a) Check Airspeed indication is:- 510 kt \pm 4 kt. (b) Check Mach No. indication is:- 0.77 \pm 0.02M.
31.				Pitot.	Adjust with care.	284.36	1013.25					
32.												(a) Check airspeed indication is:- 400 kt \pm 4 kt. (b) Check Mach No. indication is:- 0.605 \pm 0.02M.

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRSPEED STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
33.				Pitot.	Adjust with care.	P-S mba 128.18	S mba 1013.25					
34.												(a) Check airspeed indication is:- 275 kt \pm 3 kt. (b) Check Mach No. indication is:- 0.415 \pm 0.02M.
35.				Pitot	Adjust with care.	50.59	1013.25					
36.												Check airspeed indication is:- 175 kt \pm 3 kt.
37.				Pitot.	Adjust with care.	10.43	1013.25					
38.												Check that air- speed pointer disappears at:- 80 kt \pm 5 kt.
39.				Pitot	Adjust with care.	'0'	1013.25					
40.											Check indication is:- 0 ft \pm 90 ft.	Ensure that pointer is located on the left hand side.
41.	Vacuum.	Open.		Pitot. Pitot/Static change over. Supply change over. Equalizing	Close. Static input Ex Suct. Open.							
42.	Pump.	On.		Statio.	Adjust with care.	'0'	696.814					

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRSPEED STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
						P-3 mbs	S mbs					
43.											Check indication is:- 10000 ft \pm 90 ft.	Ensure that pointer is located on the left hand side.
44.				Static.	Adjust with care.	'0'	465.630					
45.											Check indication is:- 20000 ft \pm 120 ft.	
46.				Static.	Adjust with care.	'0'	300.893					
47.											Check indication is:- 30000 ft \pm 180 ft.	Ensure that pointer is located on the left hand side.
48.				Equalizing	Close with care.	'0'	300.893					
49.			Adjust with care.			110.43	300.893					
50.											Check indication is 30000 ft \pm 180 ft.	(a) Check airspeed indication is:- 256 kt \pm 3 kt. (b) Check Mach No. indication is:- 0.685 \pm 0.02M.
51.			Adjust with care.			148.43	300.893					
52.												(a) Check airspeed indication is:- 295 kt \pm 3 kt. (b) Check Mach No. indication is:- 0.78 \pm 0.02M.

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRSPEED STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
53.			Adjust with care.			P-S mbs 188.05	S mbs 300.893					
54.												(a) Check airspeed indication is:- 330 kt \pm 3 kt. (b) Check Mach No. indication is:- 0.86 \pm 0.02M.
55.			Adjust with care.			236.00	300.893					
56.												(a) Check airspeed indication is:- 367 kt \pm 4 kt (b) Check Mach No indication is:- 0.95 \pm 0.02M.
57.			Adjust with care.			340.87	300.893					
58.												(a) Check airspeed indication is:- 435 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.1M \pm 0.025M.
59.			Adjust with care.			423.5	300.893					
60.												(a) Check airspeed indication is:- 477 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.2M \pm 0.025M.
61.			Adjust with care			515.6	300.893					

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRSPEED STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
						F-3 mbs	S mbs					
62.											Check indication is:- 30000 ft.	a) Check airspeed indication is:- 520 kt \pm 5 kt. b) Check Mach No. indication is:- 1.3M \pm 0.025M.
63.			Adjust with care.			540.00	300.893					
64.			Close.	Equalizing Static.	Open gradually. Adjust as required to maintain height.	515.6	300.893					
65.												a) Check airspeed indication is:- 520 kt \pm 5 kt. b) Check Mach No. indication is:- 1.3M \pm 0.025M.
66.				Equalizing Static.	Open gradually. Adjust as required to maintain height.	423.5	300.893					
67.												a) Check airspeed indication is:- 477 kt \pm 4 kt. b) Check Mach No. indication is:- 1.2M \pm 0.025M.
68.				Equalizing Static.	Open gradually. Adjust as required to maintain height.	340.87	300.893					

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRSPEED STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
						P-S mbs	S mbs					
69.												(a) Check airspeed indication is:- 435 kt \pm 4 kt. (b) Check Mach No indication is:- 1.1M \pm 0.025M.
70.				Equalising. Static.	Open gradually. Adjust as required to maintain height.	236.00	300.893					
71.												(a) Check airspeed indication is:- 367 kt \pm 4 kt. (b) Check Mach No indication is:- 0.95 \pm 0.02M.
72.				Equalising. Static.	Open gradually. Adjust as required to maintain height.	188.05	300.893					
73.												(a) Check airspeed indication is:- 330 kt \pm 3 kt. (b) Check Mach No indication is:- 0.86 \pm 0.02M.
74.				Equalising. Static.	Open gradually. Adjust as required to maintain height.	148.43	300.893					

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
75.						P-S mba	S mba					(a) Check airspeed indication is:- 295 kt \pm 3 kt. (b) Check Mach No. indication is:- 0.78 \pm 0.02M.
76.				Equalizing. Static.	Open gradually. Adjust as required to maintain height.	110.43	300.893					
77.												(a) Check airspeed indication is:- 256 kt \pm 3 kt. (b) Check Mach No. indication is:- 0.685 \pm 0.02M.
78.				Equalizing. Static.	Open fully. Adjust as required to maintain height.	*0°	300.893					
79.											Check indication is:- 30000 ft \pm 180 ft.	Ensure pointer is located on the left hand side.
80.				Static.	Adjust with care.	*0°	187.538					
81.											Check indication is:- 40000 ft \pm 300 ft.	
82.				Static.	Adjust with care.	*0°	152.00 to 143.00					

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOZ/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
83.				Static.	Adjust with care.	P-S mbs '0'	115.972					
84.											Check indication is:- 50000 ft \pm 650 ft.	Ensure pointer is located on the left hand side.
85.				Equalising.	Close with care.	'0'	115.972					
86.			Adjust with care.			237.65	115.972					
87.												(a) Check airspeed indication is:- 368 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.4M \pm 0.025M.
88.			Adjust with care.			279.87	115.972					
89.												(a) Check airspeed indication is:- 397 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.5M \pm 0.025M.
90.			Adjust with care.			325.3	115.972					
91.												(a) Check airspeed indication is:- 425 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.6M \pm 0.025M.
92.			Adjust with care.			373.87	115.972					

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PILOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
						P-S mbs	S mbs					
93.												(a) Check airspeed indication is:- 453 kt \pm 4 kt. (b) Check Mach No indication is:- 1.7M \pm 0.025M.
94.			Adjust with care.			425.56	115.972					
95.												(a) Check airspeed indication is:- 480 kt \pm 4 kt. (b) Check Mach No indication is:- 1.8M \pm 0.025M.
96.			Adjust with care.			480.32	115.972					
97.												(a) Check airspeed indication is:- 506 kt \pm 4 kt. (b) Check Mach No indication is:- 1.9M \pm 0.025M.
98.			Adjust with care.			538.15	115.972					
99.											Check indication is:- 50000 ft \pm 650 ft.	(a) Check airspeed indication is:- 532 kt \pm 5 kt. (b) Check Mach No indication is:- 2.0M \pm 0.025M.
100.			Close.	Equalising Static.	Open gradually. Adjust as required to maintain height.	480.09	115.972					

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
101.						P-S mbs	S mbs					(a) Check airspeed indication is:- 506 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.9M \pm 0.025M.
102.				Equalizing. Static.	Open gradually. Adjust as required to maintain height.	425.56	115.972					
103.												(a) Check airspeed indication is:- 480 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.8M \pm 0.025M.
104.				Equalizing. Static.	Open gradually. Adjust as required to maintain height.	373.87	115.972					
105.												(a) Check airspeed indication is:- 452 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.7M \pm 0.025M.
106.				Equalizing. Static.	Open gradually. Adjust as required to maintain height.	325.29	115.972					

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
107.						P-S mba	S mba					(a) Check airspeed indication is:- 425 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.6M \pm 0.025M.
108.				Equalizing. Static.	Open gradually. Adjust as required to maintain height.	279.87	115.972					
109.												(a) Check airspeed indication is:- 397 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.5M \pm 0.025M.
110.				Equalizing. Static.	Open gradually. Adjust as required to maintain height.	237.65	115.972					
111.												(a) Check airspeed indication is:- 368 kt \pm 4 kt. (b) Check Mach No. indication is:- 1.4M \pm 0.025M.
112.				Equalizing.	Open fully gradually.	'0'	115.972					
113.											Check indication is:- 50000 ft \pm 650 ft.	Ensure pointer is located on the left hand side.

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
114.				Static.	Adjust with care.	P-S mba	S mba					
115.						'0'	71.716				Check indication is:- 60000 ft \pm 650 ft.	
116.				Static.	Adjust with care.	'0'	68.350					
117.				Static. Pitot/Static change over.	Close. Static vent.	'0'	68.350					
118.				Static.	Adjust with care.	'0'	71.716					
119.											Check indication is:- 60000 ft \pm 650 ft.	
120.				Static.	Adjust with care.	'0'	115.972					
121.											Check indication is:- 50000 ft \pm 650 ft.	
122.				Static.	Adjust with care.	'0'	143.00 to 152.00					
123.				Static.	Adjust with care.	'0'	187.538					
124.											Check indication is:- 40000 ft \pm 300 ft.	
125.				Static.	Adjust with care.	'0'	300.893					

AIR DATA SYSTEM CALIBRATION TEST

ITEM	P-V TEST SET MK 1		INDEPENDENT CONTROL VALVE	MK 3 PITOT/STATIC TEST SET				TEST SET TYPE 8A			AIRCRAFT HEIGHT DISPLAY	AIRCRAFT STRIP SPEED DISPLAY
	CONTROL	SELECTION		CONTROL	SELECTION	METER INDICATION		CONTROL	SELECTION	OPERATION		
						P-S mba	S mba					
126.											Check indication is:- 30000 ft \pm 180 ft.	
127.				Static.	Adjust with care.	'0'	465.630					
128.											Check indication is:- 20000 ft \pm 120 ft.	
129.				Static.	Adjust with care.	'0'	696.814					
130.											Check indication is:- 10000 ft \pm 90 ft.	
131.				Static.	Adjust with care.	'0'	1013.25					
132.											(a) Check indication is 0 \pm 90 ft. (b) Check VSI pointer indicates:- 0 \pm 120 ft/min.	
133.				Static. Pitot/Static change over.	Close. Static input.							
134.				Static.	Adjust as required by Man.						(a) Maintain VSI pointer at + 3000 ft/min. (b) Check height changes by 3000 ft in 60 sec \pm 6 secs.	
135.				Static.	Close when requested by Man.							

FLT SYST
SP 254 (20)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
HUNTER ALL MARKS

AP101B-1300-5A3B

Sect 2

Chap 6

AIR DATA SYSTEM CALIBRATION TEST

[illegible]

SMS/ 157A

Continued

FLT SYST SP 254 (21)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 6		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
AIR DATA SYSTEM CALIBRATION TEST						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 ELECTRICAL											
7. <u>Post Servicing</u>											
7.1 External power supplies. (i) Set to 'OFF' (a.c. and d.c.). (ii) Disconnect (iii) Remove.											
7.2 Inverter test switches. Set to 'OFF'.											
BLOCK 2 FLIGHT SYSTEMS											
8. <u>Post Servicing</u>											
8.1 Pitot/Static test set Mk3. (i) Disconnect external supply. (ii) Disconnect from pitot probe.											
8.2 P-V test set. (i) Disconnect external supply. (ii) Disconnect from Mk3 test set.											
8.3 Independent control valve. (i) Disconnect. (ii) Remove.											
8.4 Test set Type 8A. Disconnect PL1 from AD4 on air data computer.											
SMS/ 158						Continued					

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

