

AIR COMMS

SERVICING PROCEDURES  
FUNCTIONAL CHECKS AND TESTS  
HUNTER ALL MARKS

AP101B-1300-5A3B  
Sect 2  
Chap 8

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PF 200

HUN/5A3B/2.307

AIR COMMS SP 271 (1) (1 to 2)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD RAF Form 2988B (Revised Jan 85)			
<u>I/C INSTALLATION</u>  NB: This Procedure is applicable only to Mk 7, 7A and 8B Aircraft				Aircraft Ser No: Date:						
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR		
TRADE AC	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code	MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5	
<u>Special Tools and Equipment:</u> Nil.										
BLOCK 1  1. <u>Preparation</u>										
1.1 Normal/Emergency I/C switch. Set to 'NORMAL'.										
1.2 VHF or UHF On/Off switch. Set to 'ON'.										
1.3 D.C supply. Check supply voltage at A1961 is between 27 and 29 V d.c.										
1.4 I/C On/Off switch. Set to 'ON'.										
1.5 Headsets. Plug into Pilot's and Pupil's mic/tel sockets.										
BLOCK 2  2. <u>Facility</u>										
2.1 I/C facility. (Normal).  (i) Ensure available between Pilot's and Pupil's Stations. (ii) Ensure undue background noise is not present. (iii) Ensure system is stable.										
SMS/ <b>178</b>		Continued								

AIR COMMS SP 271 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)		
<u>I/C INSTALLATION</u>				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS 2	3	MAN HRS 4	INITS 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1		AIR COMMS							
2. <u>Facility</u> (Contd)									
2.2 Normal/Emergency I/C switch.		Set to 'EMERGENCY'.							
2.3 I/C facility. (Emergency).		Ensure available between pilot's and Pupil's Stations.							
BLOCK 2		AIR COMMS							
3. <u>General</u>									
3.1 Normal/Emergency I/C switch.		Set to 'NORMAL'.							
3.2 VHF or UHF On/Off switch.		) Set to 'OFF'.							
3.3 I/C On/Off switch.		)							
3.4 Headsets.		Disconnect.							
SMS/ <i>V.B.A.</i>								Continued	

<p>AIR COMMS SP 272 (1) (1 to 2)</p> <p>SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS</p> <p>TELEBRIEFING INSTALLATION</p>					<p>AP101B-1300-5A3B Sect 2 Chap 8</p> <p>SERVICING RECORD Aircraft Ser No: Date:</p>		<p>RAF Form 2988B (Revised Jan 85)</p>					
<p>SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD</p>					<p>TRADESMAN</p> <table border="1"> <tr> <td>MAN HRS 1</td> <td>INITS &amp; TDM 2</td> </tr> </table> <p>Brief Details of Suspected Defect and SNOW When Applicable 3</p>		MAN HRS 1	INITS & TDM 2	<p>SUPERVISOR</p> <table border="1"> <tr> <td>MAN HRS 4</td> <td>INITS &amp; TDM 5</td> </tr> </table>		MAN HRS 4	INITS & TDM 5
MAN HRS 1	INITS & TDM 2											
MAN HRS 4	INITS & TDM 5											
TRADE AC	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code							
<p><u>Special Tools and Equipment:</u> Test Set Type 395.</p>												
<p><b>BLOCK 1</b> <span style="float: right;">AIR COMMS</span></p> <p>1. <u>Preparation</u></p> <p>1.1 Test set Type 395. Connect to aircraft telebriefing plug.</p> <p>1.2 Telebriefing warning lamp. (Cockpit). Ensure lit.</p>												
<p><b>BLOCK 2</b> <span style="float: right;">AIR COMMS</span></p> <p>2. <u>Functional Check</u></p> <p>2.1 Headsets. (2 off). Plug into Pilot's and TS mic/tel sockets.</p> <p>2.2 TS 395. (a) On/Off switch. (b) Warning lamp. Set to 'ON'. Ensure lit.</p> <p>2.3 I/C check. Carry out two-way test between cockpit and test set.</p> <p>2.4 Pilot's Press-to-Talk switch. Operate.</p>												

AIR COMMS SP 272 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)	
TELEBRIEFING INSTALLATION				Aircraft Ser No: Date:			
				TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable 3	SUPERVISOR	
						MAN HRS 1	INITS & TDM 2
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD		Code					
BLOCK 1		AIR COMMS					
2. <u>Functional Check</u> (Contd)							
2.5 TS Green lamp.		Ensure lit.					
2.6 Pilot's Press-to-Talk switch.		Release.					
BLOCK 2		AIR COMMS					
3. <u>General</u>							
3.1 TS 395 On/Off switch.		Set to 'OFF'.					
3.2 TS.		Disconnect from aircraft.					
3.3 Headsets.		Disconnect.					

SMS/ 179A

**Continued**

AIR COMMS SP 275 (1) (1 to 7)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS			AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:			RAF Form 2988B (Revised Jan 85)		
UHF STANDBY INSTALLATION						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 3	INITS & TDM 4	MAN HRS 5	
TRADE AC	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS		Code					
Special Tools and Equipment:											
Test Set Type 15077											
BLOCK 1 AIR COMMS											
1. <u>Audio Warning Facility</u>											
1.1 Filter unit. (Post Mod 1226). Ensure fitted to T/R power supply connector.											
1.2 Headset. Connect to Pilot's mic/tel socket.											
1.3 Radio supplies circuit breaker. ) Reset. 1.4 Main UHF circuit-breaker. )											
1.5 Hydraulic pressure indicator lamp. Ensure lit.											
1.6 UHF - Main/S'by/S'by Emergency switch. Set to 'S'BY'.											
1.7 Audio Warning facility. Ensure note heard in headset.											
1.8 Audio Warning Cut-out switch. (i) Set to 'OUT' and ensure note ceases. (ii) Release.											
1.9 UHF - Main/S'by/S'by Emergency switch. Set to 'MAIN'.											
SMS/ <b>180</b>										Continued	

AIR COMMS SP 275 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)		
UHF STANDBY INSTALLATION				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1 AIR COMMS									
1. <u>Audio Warning Facility</u> (Contd)									
NB: The operation in Sub-item 1.10 must be carried out to enable Audio Warning Cut-out switch to re-set.									
1.10 Radio supplies circuit-breakers. Set to 'OFF'.									
BLOCK 2 AIR COMMS									
2. <u>Preparation</u>									
2.1 TS aerial connector. Disconnect from TR.									
2.2 Connector Type 5995-99-9434142. Connect between TS radio test socket and installation Test socket.									
2.3 Connector Type 5995-99-9434145. Connect between TS radio and TR aerial sockets.									
2.4 Headset. (2 off). Connect to TS mic/tel socket and pilot's mic/tel socket.									
2.5 Radio supplies circuit-breaker. Reset.									
2.6 UHF - Main/S'by/Emergency switch. Set to S'BY' and allow a 30 second warm up period.									
2.7 TS 15077 Meter switch. Set to '1'.									
SMS/ [Signature]								Continued	

AIR COMMS SP 275 (3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
UHF STANDBY INSTALLATION		Aircraft Ser No: Date:		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
		Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5		
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1		AIR COMMS							
2. <u>Preparation</u> (Contd)									
NB: Sub-item 2.8 is applicable only to installations operable from an emergency battery supply.									
2.8 Aircraft power supply.		(i) Momentarily set to 'EMERGENCY' and ensure meter indicates is in Green zone. (ii) Revert to 'NORMAL'.							
2.9 TS 15077. (a) Supply switch. (b) Meter switch.		Set to 'ON' and allow a 30 second warm-up period. Ensure set to '1' and ensure meter indicates is in Green zone.							
2.10 I/C facility.		Ensure available between TS and Pilot's station.							
BLOCK 2		AIR COMMS							
3. <u>Receiver Sensitivity</u> and Channel Selection									
NB: In Sub-item 3.1 d(i) if meter indicates low momentarily disconnect headsets.									
3.1 TS 15077. (a) Co-axial link. (b) Meter switch. (c) Co-axial link.		Ensure disconnected. Set to '11' and ensure meter indication is less than 10 and record. Connect between Rx and Noise Gen sockets.							
SMS/ 181									

AIR COMMS SP 275 (4)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)	
<u>UHF STANDBY INSTALLATION</u>		Aircraft Ser No: Date:					
		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
		Code	MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD							
BLOCK 1		AIR COMMS					
3. <u>Receiver Sensitivity</u> <u>and Channel Selection</u> (Contd)							
3.1 TS 15077. (Contd)							
(d) Power switch.		<p>(i) Set to 'LOW' and ensure meter indication is at least twice that recorded in para (b).</p> <p>(ii) Release High/Low Switch.</p>					
3.2 Channel switch.		<p>(i) Set to 'ALTERNATIVE' and repeat Sub-item 3.1.</p> <p>(ii) Set to 'GUARD'.</p>					
3.3 TS 15077.							
(a) Attenuator.		Connect between TS Rx and Sig Gen sockets.					
(b) Sig Gen switch.		Set to 'X'.					
(c) Meter switch.		Set to '5' and ensure tone is audible in headset.					
3.4 Channel switch.		<p>(i) Set to 'ALTERNATIVE' and ensure is inaudible in headset.</p>					
3.5 TS 15077 attenuator.		Disconnect.					
BLOCK 2		AIR COMMS					
4. <u>Transmitter Power</u>							
4.1 TS 15077.							
(a) Co-axial link.		Connect between TS Tx and Load sockets.					
(b) Meter switch.		Set to '5'.					
SMS/ <i>WTA</i>							
Continued							

AIR COMMS SP 275 (5)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)		
UHF STANDBY INSTALLATION				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS 2	MAN HRS 4	INITS 5	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1				AIR COMMS					
4. <u>Transmitter Power</u> (Contd)									
4.2 Pilots Press-to-Transmit switch. Depress.									
NB: During Sub-item 4.3(i) if meter indication is low ensure TR supply voltage is not less than 24V. If voltage is low set voltage to 24V and repeat Operation (i).									
4.3 TS 15077 power switch.				(i) Set to 'LOW' and ensure meter indication is not less than 'B', note indication. (ii) Release.					
4.4 Channel switch.				Set to 'ALTERNATIVE'.					
4.5 TS 15077 power switch.				(i) Set to 'LOW' and ensure meter indication is not less than '40', note indication. NOTE: If meter indication noted in Sub-item 4.3 Operation (i) and Sub-item 4.5 Operation (i) are identical it is probable that a crystal selection fault exists. (ii) Release.					
4.6 Pilot's Press-to-Transmit switch.				Release.					
4.7 Channel switch.				Set to 'GUARD' position and lock.					
SMS/ 182								Continued	

AIR COMMS SP 275 (6)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)		
UHF STANDBY INSTALLATION		Aircraft Ser No: Date:						
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		SUPERVISOR	
			MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5	
BLOCK 1		AIR COMMS						
5. <u>Modulation Depth and Sidetone</u>								
NB: Sub-item 5.1 is applicable only to test set 15077 Post Mod A3327.								
5.1 TS SIG GEN/Microphone Simulator Output switch.		Set to appropriate microphone simulator output required.						
5.2 Pilot's microphone.		Switch off.						
5.3 TS 15077. (a) Meter switch. (b) Talk switch. (c) D.C. Cal switch. (d) Meter switch.		Set to '6'. Depress to 'ON'. Adjust for meter indication of 'B'. (i) Set to '7' and ensure meter indicates not less than 'A'. (ii) Set to '5'.						
5.4 TS Headset.		Speak into microphone and ensure Pilot's sidetone is clear.						
5.5 TS Talk switch.		Release.						
5.6 Channel switch.		Set to 'ALTERNATIVE' position.						
BLOCK 2		AIR COMMS						
6. <u>Aerial Reflection Coefficient</u>								
6.1 Connector Type 5995-99-9434144.		Connect between TS Aerial socket and TR Aerial connector.						
SMS/ 18.3A						Continued		

AIR COMMS SP 275 (7)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
UHF STANDBY INSTALLATION		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		SUPERVISOR	
					MAN HRS 1	INITS 2	3	MAN HRS 4	INITS 5	
BLOCK 1		AIR COMMS								
6. <u>Aerial Reflection Coefficient</u> (Contd)										
6.2	TS 15077.	(a) Co-axial link. (b) Meter switch. (c) Talk switch. (d) D.C. Cal switch. (e) Meter switch. (f) Talk switch.		Connect between TS Tx and Aerial sockets. Set to '6'. Depress to 'ON'. Adjust for meter indication of 'B'. Set '8' and ensure meter indication does not exceed 10 divisions on scale. Release.						
6.3	Channel switch.			Set to 'GUARD' position.						
BLOCK 2		AIR COMMS								
7. <u>General</u>										
7.1	TS Supply switch.			Set to 'OFF'.						
7.2	UHF - Main/S'by/S'by Emergency switch.			Ensure set to 'MAIN'.						
7.3	Radio supplies circuit-breaker.	)		Trip.						
7.4	Main UHF circuit-breaker.	)								
7.5	Headset.	)								
7.6	(2 off).	)		Disconnect.						
7.7	TS 15077.	)								
7.7 TR aerial connector.				Reconnect to TR Aerial socket.						
SMS/ 183								Continued		

AIR COMMS SP 276 (1) (1 to 8)				SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS				AP101B-1300-5A3B Sect 2 Chap 8		SERVICING RECORD RAF Form 2988B (Revised Jan 85)			
<u>ILS INSTALLATION-TEST</u>				SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
								MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5	
TRADE AC Elect	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS				Code					
<u>Special Tools and Equipment:</u>				Test Set CRM 555.									
BLOCK 1				AIR COMMS									
1. <u>Preparation</u>													
1.1 CRM 555.				(a) Aerial cable. Connect to RF attenuator output and place free end in a suitable position for transmission. (b) External 28V/OFF/BATTERY switch. (i) Set to 'BATTERY'. (ii) Ensure power on lamp illuminated. (c) BATT/RF MON switch. (i) Set to 'BATT'. (ii) Ensure meter indication in 'RED' area. (d) 'SET CARRIER' control. (iii) Set to 'RF MON'. Adjust to give centre scale reading on meter.									
1.2 Headset.				Connect to pilot's MIC/TEL socket.									
BLOCK 2				ELECTRICAL									
2. <u>Preparation</u>													
2.1 External power supply.				(i) Connect. (ii) Switch on.									
SMS/ 184												Continued	

AIR COMMS SP 276 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)	
ILS INSTALLATION-TEST		Aircraft Ser No: Date:					
		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
		MAN HRS 1	INITS & TDM 2	3		MAN HRS 4	INITS & TDM 5
BLOCK 1  3. <u>Preparation</u>  3.1 Inverter test switch. (2 off).  3.2 ILS ON/OFF switch.		AIR COMMS					
BLOCK 2  4. <u>Ident Tone</u>  4.1 CRM 555. (a) Function switch. (b) 1020 ON switch. (c) RG attenuator dBm switch.  NB: During Sub-item 4.1(d) local station frequencies are not to be selected.  (d) LOC/VOR megahertz switch.  4.2 ILS Station Selector.  4.3 Headset.		AIR COMMS					
SMS/						Continued	

AIR COMMS SP 276 (3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)	
ILS INSTALLATION-TEST				TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR
		Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1		AIR COMMS					
5. <u>Localizer Channel Deviation and Flag Checks</u>							
5.1 GRM 555.		(a) 1020 ON switch. Set to 'OFF'. (b) DDM switch. Set to 'OC(B)'. (c) LOC/VOR megahertz switch. Set to frequency which corresponds to ILS XTAL frequency.					
5.2 ILS Station Selector.		Set to XTAL position corresponding to CRM 555 frequency.					
5.3 Pilots nav display.		(a) Mode selector. Set to 'ILS'. (b) Beam window. Ensure window is shuttered. (c) Heading control. Pull out and rotate to set localizer datum marker at compass lubber line. (d) Localizer beam. Check that beam is central about localizer datum.					
5.4 CRM 555.		(a) DDM switch. Set to fly down/right 4dB.					
5.5 Pilots Nav display.		(i) Ensure beam window is shuttered. (ii) Ensure localizer beam has moved to right of datum. (iii) Note position of beam.					
5.6 CRM 555.		(a) DDM switch. Set to fly down/right 6.6dB.					
5.7 Pilots Nav display.		Ensure localizer beam has moved to right of datum and beyond position noted at Sub-item 5.5 (iii).					

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Continued

AIR COMMS SP 276 (4)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD				RAF Form 2988B (Revised Jan 85)	
ILS INSTALLATION-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		AIR COMMS							
5. <u>Localizer Channel Deviation and Flag Checks (Contd)</u>									
5.8	CRM 555.	(a) DDM switch.		Set to fly up/left 4dB.					
5.9	Pilots Nav display.			(i) Ensure beam window is shuttered. (ii) Ensure localizer beam has moved to left of datum. (iii) Note position of beam.					
5.10	CRM 555.	(a) DDM switch.		Set to fly up/left 6.6dB.					
5.11	Pilots Nav display.			Ensure localizer beam has moved to left of datum and beyond position noted at Sub-item 5.9 (iii).					
5.12	CRM 555.	(a) Aerial cable.		Disconnect.					
5.13	Pilots Nav Display.			Ensure beam window no longer shuttered.					
5.14	CRM 555.	(a) Aerial cable.		Reconnect to RF attenuated output.					
5.15	CRM 555.			Repeat Sub-items 5.1 to 5.3 inclusive for each XTAL frequency.					
SMS/ 16 A									

Continued

AIR COMMS SP 276 (5)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)	
ILS INSTALLATION-TEST		SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD		Aircraft Ser No: Date:				
				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR
		Code	MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5	
BLOCK 1		AIR COMMS						
6. <u>Glidepath Channel Deviation and Flag Checks</u>								
6.1 CRM 555.								
(a) Function switch.		Set to 'GLIDEPATH'.						
(b) Glidepath megahertz.		Set to frequency corresponding to XTAL frequency.						
(c) DDM switch.		Set to '0dB'.						
6.2 ILS Station Selector.		Set to XTAL position corresponding to CRM 555 frequency.						
6.3 Pilots Nav display.		(i) Ensure glidepath window shuttered. (ii) Ensure Glidepath bar shows centre reading.						
6.4 CRM 555.		Set to fly down/right 2dB.						
(a) DDM switch.								
6.5 Pilots Nav display.		(i) Ensure glidepath window shuttered. (ii) Ensure glidepath bar has moved to below centre. (iii) Note position of bar.						
6.6 CRM 555.		Set to fly down/right 3.76 dB.						
(a) DDM switch.								
6.7 Pilots Nav display.		Ensure glidepath bar has moved below centre and beyond position noted at Sub-item 5.5 (iii).						

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Continued

AIR COMMS SP 276 (6)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)	
<u>ILS INSTALLATION-TEST</u>		Aircraft Ser No: Date:					
		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable 3		SUPERVISOR	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD		Code	MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS 5
BLOCK 1		AIR COMMS					
6. <u>Glidepath Channel Deviation and Flag Checks (Contd)</u>							
6.8 CRM 555. (a) DDM switch.		Set to fly up/left 2dB.					
6.9 Pilots Nav display.		(i) Ensure glidepath window shuttered. (ii) Ensure glidepath bar moved above centre. (iii) Note position of bar.					
6.10 CRM 555. (a) DDM switch.		Set to fly up/left 3.76 dB.					
6.11 Pilots Nav display.		Ensure glidepath bar has moved above centre and beyond position noted at Sub-item 6.9 (iii).					
6.12 CRM 555. (a) Aerial cable.		Disconnect.					
6.13 Pilots Nav display.		Ensure glidepath window no longer shuttered.					
6.14 CRM 555. (a) Aerial cable.		Reconnect to attenuated output.					
6.15 CRM 555.		Repeat Sub-items 6.1 to 6.3 inclusive for each XTAL frequency.					
SMS/ 181/		Continued					

AIR COMMS SP 276 (7)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
<u>ILS INSTALLATION-TEST</u>						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
BLOCK 1		AIR COMMS									
7. <u>Marker Receiver and Camp Checks.</u>											
7.1 ILS On/Off switch.		Set to 'OFF'.									
7.2 CRM 555. (a) Aerial cable.		(i) Disconnect from RF attenuator. (ii) Connect to High Level Marker Output.									
7.3 ILS On/Off switch.		Set to 'ON'.									
7.4 CRM 555 function switch.		(i) Set to 'MARKER 400Hz'. (ii) Ensure 400Hz present.									
7.5 Pilots Nav display.		Ensure marker lamp illuminated.									
7.6 CRM 555 function switch.		(i) Set to 'MARKER 1300Hz'. (ii) Ensure 1300Hz present.									
7.7 Pilots Nav display.		Ensure marker lamp illuminated.									
7.8 CRM 555 function switch.		(i) Set to 'MARKER 3000Hz'. (ii) Ensure 3000Hz present.									
7.9 Pilots Nav display.		Ensure marker lamp illuminated.									

SMS/ 187

|Continued

AIR COMMS SP 276 (8)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)	
ILS INSTALLATION-TEST		Aircraft Ser No: Date:				
		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable 3		SUPERVISOR
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD		Code	MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
BLOCK 1 AIR COMMS						
8. <u>Completion</u>						
8.1 CRM 555. (i) Switch off. (ii) Disconnect.						
8.2 ILS On/Off switch. Set to 'OFF'.						
8.3 Headset. Disconnect.						
8.4 Invertor test switch. (2 off). Set to 'NORMAL'.						
BLOCK 2 ELECTRICAL						
9. <u>Completion</u>						
9.1 External power supply. (i) Switch off. (ii) Disconnect.						
SMS/ 15.1A						Continued

AIR COMMS SP 277 (1) (1 to 15)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS			AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)		
PTR 175 INSTALLATION					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 AC	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS	Code					
Special Tools and Equipment:										
<p>Test Kit Type 15056 (10S/9434149).      Gauge Pressure Checking 0-30 lbf/in.2; 4G/6526.      Trolley Nitrogen Charging; 4G/6259.      Unit Pressure Regulating; 6D/2351.      Test Set Radio; 10S/9568854.</p>										
BLOCK 1		AIR COMMS								
1. <u>Preparation</u>										
1.1 PTR 175 or PTR 175A.		Ensure pressurised to 5 lbf/in.2 with nitrogen.								
1.2 TS connector Type 5995-99-945-4142.		Connect between TS test socket and test socket on interconnecting box.								
1.3 TR aerial connection (UHF).		Disconnect from TS UHF socket P1402.								
1.4 TS connector Type 5995-99-943-4144.		Connect between TS aerial socket and TS UHF aerial connector.								
1.5 TS connector Type 5995-99-943-4145.		Connect between TS radio socket and TR UHF aerial socket P1402.								
1.6 Headsets. (2 off).		Connect to TS and pilot's mic/tel sockets.								
SMS/ 188							Continued			

AIR COMMS SP 277 (2)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)	
<u>PTR 175 INSTALLATION</u>				Aircraft Ser No: Date:			
				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable	
				MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				Code			
BLOCK 1		AIR COMMS					
1. Preparation (Contd)							
1.7 Main UHF/Standby UHF switch.		Set to 'MAIN UHF'.					
1.8 UHF/VHF switch.		Set to 'UHF'.					
1.9 Circuit-breakers. (As applicable).		Reset.					
1.10 CU C1607/4 Function switch.		Set to 'TR + G'.					
1.11 TS Meter switch.		Set to '1' and check meter indicates Blue zone.					
NB: Sub-item 1.12 is applicable only to PTR 175A. (a.c. version).							
1.12 TS meter switch.		Set to '2' and check meter indicates Yellow zone.					
1.13 Cockpit Dimmer control.		Operate.					
1.14 CU C1607/4. (a) Channel switch. (b) Manual selectors.		Set to 'M'. (i) Set to 235.10. (ii) Set to 235.00 and simultaneously start stop watch. Check mechanical drive ceases within 6 seconds. (iii) Set to 300.00.					
1.15 TS Supply switch.		Set to 'ON' and allow a 30 second warm-up period.					
SMS/ 18.2.1							

Continued

AIR COMMS SP 277 (3)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)					
PTR 175 INSTALLATION				Aircraft Ser No: Date:		TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS & TDM 2		MAN HRS 3	INITS & TDM 4	MAN HRS 5	
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD											
BLOCK 1 AIR COMMS											
1. <u>Preparation (Contd)</u>											
1.16 I/C facility.		Ensure available between pilots and TS headsets.									
1.17 CU C1607/4 Volume control.		Set fully clockwise.									
BLOCK 2 AIR COMMS											
2. <u>Guard Receiver Sensitivity Check</u>											
NB: During Sub-item 2.1(c) if indication is low momentarily disconnect pilot's headset.											
2.1 TS 15077.											
(a) Attenuator.		Connect between TS Rx and Sig Gen sockets.									
(b) Sig Gen Freq switch.		Set to 'X' and ensure tone is audible in TS headset.									
(c) Meter switch.		Set to '3' and check meter indication exceeds 'A', ensure tone is heard in pilot's headset.									
(d) Attenuator.		Disconnect.									
(e) Co-axial link.		Connect between TS Rx and Sig Gen sockets.									
(f) Meter.		Ensure reading exceeds 'B'.									
SMS/ 189										Continued	

AIR COMMS SP 277 (4)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
<u>PTR 175 INSTALLATION</u>				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS 2	3	MAN HRS 4	INITS 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1		AIR COMMS							
3. <u>UHF Main Receiver, Audio Output, Auxiliary Audio Output and Mute Checks</u>									
3.1 CU C1607/4. (a) Function switch. Set to 'T/R'. (b) Manual selectors. Set to 243.0.									
NB: During Sub-item 3.2 if meter indicates low momentarily disconnect pilot's headset.									
3.2 TS Meter switch. Set to '3' and check meter indication exceeds 'B', ensure a tone is heard in pilot's headset.									
3.3 Pilot's Press-to-Mute switch. (i) Depress and ensure pilot's tone is muted. (ii) Release.									
3.4 TS Meter switch. Set to '10' and check meter indication is between 25 and 55.									
BLOCK 2		AIR COMMS							
4. <u>UHF Main Receiver Frequency Accuracy Checks</u>									
4.1 TS 15077 meter switch. Set to 5.									
4.2 CU Manual selectors. Set to following frequencies in turn and ensure tone is audible: 230.85, 243.00, 255.15, 267.30, 279.45, 303.75, 364.50, 376.65 and 388.60 MHz.									
SMS/						Continued			

AIR COMMS SP 277 (5)	SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD				RAF Form 2988B (Revised Jan 85).	
			Aircraft Ser No: Date:					
<u>PTR 175 INSTALLATION</u>			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		MAN HRS 4	INITS & TDM 5
<b>BLOCK 1</b> <b>AIR COMMS</b>								
4. <u>UHF Main Receiver Frequency</u> <u>Accuracy Checks (Contd)</u>								
4.3 TS Sig Gen Freq switch. Set to 'Y'.								
4.4 CU Manual selectors. Set to following frequencies in turn and ensure tone is audible: 249.55, 271.25, 282.10, 292.95, 336.35, 347.20, 358.05, 368.90 and 390.60 MHz.								
4.5 TS Sig Gen Freq switch. Set to 'Z'.								
4.6 CU Manual selectors. Set to following frequencies in turn and ensure tone is audible: 226.00, 316.40 and 327.70.								
<b>BLOCK 2</b> <b>AIR COMMS</b>								
5. <u>Receiver Sensitivity and Squelch</u>								
5.1 CU C1607/4 Manual selectors. Set to 225.00 MHz.								
5.2 TS 15077. (a) Co-axial link. Connect between TS Rx and Noise Gen sockets. (b) Meter switch. Set to '4'.								
5.3 TS 15077. (a) Noise Gen switch. Hold to 'MOD ON' for each pre-set channel.								
SMS/ 190							Continued	

AIR COMMS SP 277 (6)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8		SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)	
PTR 175 INSTALLATION				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1 AIR COMMS									
5. <u>Receiver Sensitivity and Squelch</u> (Contd)									
5.3 TS 15077. (Contd)									
(b) D.C. Cal Fine and Coarse controls.		Adjust for meter indication of 'C'.							
(c) Noise Gen switch.		Release and check meter indicates less than 'A'.							
5.4 CU Manual selectors.				Set to 314.50 and 399.90 MHz in turn and repeat Sub-item 5.3 (a) to (c) inclusive.					
BLOCK 2 AIR COMMS									
6. <u>Transmitter Power Output and Tone Checks</u>									
6.1 CU Manual selectors.				Set to 225.0 MHz.					
6.2 TS 15077.				Connect between Tx and Load sockets.					
(a) Co-axial link.		Set to '5'.							
6.3 Pilot's Press-to-Transmit switch.				(i) Depress and ensure TS meter indication exceeds 'B'. (ii) Release.					
6.4 CU Manual selectors.				Set to 314.50 and 399.90 MHz in turn and repeat Sub-item 6.3.					
6.5 Channel switch.				(i) Select each pre-set channel in turn and repeat Sub item 6.3. (ii) Reset to 'M'.					
SMS/ [Signature]		Continued							

AIR COMMS SP 277 (7)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)		
PTR 175 INSTALLATION				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 AIR COMMS									
6. <u>Transmitter Power Output and Tone Checks (Contd)</u>									
6.6 Manual selectors. Set to 314.50 MHz.									
6.7 Tone On/Off switch. (If fitted). (i) Set to 'ON' and ensure 1 KHz tone is heard. (ii) Set to 'OFF'.									
BLOCK 2 AIR COMMS									
7. <u>Modulation Depth and Quality</u>									
NB: Sub-item 7.1 is applicable only to test set 15077 Post Mod A3327.									
7.1 TS SIG GEN/Microphone Simulator Output switch. Set to appropriate microphone simulator output required.									
7.2 Pilot's microphone switch. Set to 'OFF'.									
7.3 TS 15077. (a) Meter switch. Set to '6'. (b) Talk switch. Depress to 'ON' and adjust d.c. Cal controls for meter indication 'D'. (c) Meter switch. Set to '7' and ensure meter indication exceeds 'B'. (d) Talk switch. Release. (e) Tone Mod switch. Repeat Sub-items 7.2 (a) to (d) inclusive using Tone Mod switch instead of Talk switch. (f) Meter switch. Set to '9'. (g) D.C. Cal control. Set fully clockwise.									
SMS/ 191								Continued	

AIR COMMS SP 277 (8)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD RAF Form 2988B (Revised Jan 85)			
PTR 175 INSTALLATION		Aircraft Ser No: Date:					
		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		AIR COMMS					
7. <u>Modulation Depth and Quality</u> (Contd)							
7.4 Pilot's microphone switch.		Set to 'ON'.					
7.5 Pilots Press to Transmit switch.		Depress and speak into microphone, ensure sidetone in TS headset is clear.					
7.6 Pilots microphone switch.		Set to 'OFF'.					
7.7 CU C1607/4. (a) Channel switch. (b) Manual selectors.		Set to 'M'. Set to 235.0 and 395.0 in turn and repeat sub-items 7.2 (a) to (c) inclusive.					
BLOCK 2		AIR COMMS					
8. <u>UHF Aerial Reflection Coefficient Check</u>							
8.1 Aerial changeover switch.		Set to 'UPPER'.					
8.2 CU manual selectors.		Set to any little used UHF frequency around 300.00 MHz. NB: 243.00 MHz must not be used.					
8.3 TS 15077. (a) Co-axial link. (b) Meter switch. (c) Talk switch.		Connect between Tx and Aerial sockets. Set to '6' and ensure frequency selector is not in use. Depress to 'ON' and adjust d.c. Cal controls for meter indication of 'D'.					
SMS/						Continued	

AIR COMMS SP 277 (9)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
PTR 175 INSTALLATION				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1		AIR COMMS							
8.	<u>UHF Aerial Reflection Coefficient Check (Contd)</u>								
8.3	TS 15077. (Contd)	(d) Meter switch.	Set to '8' and ensure meter indication is less than 'B'. Release.						
8.4	Aerial changeover switch.	(e) Talk switch.	Set to 'LOWER' and repeat Sub-items 8.3 (b) and (e) inclusive.						
BLOCK 2		AIR COMMS							
9.	<u>VHF Receiver A.F. Power and Mute Check</u>								
9.1	CU Manual selectors.		Set to 121.50 MHz.						
NB:	During Sub-item 9.2 (d) if meter reading is low momentarily disconnect Pilot's headset.								
9.2	TS 15077.	(a) Connector Type 5995-99-943-4145.	(i) Disconnect from TR UHF aerial socket P1402. (ii) Connect to TR VHF aerial socket P1403.						
	(b) Co-axial link.	Connect between Rx and Sig Gen sockets.							
	(c) Sig Gen Freq switch.	Set to 'X'.							
	(d) Meter switch.	Set to '3' and ensure meter reading exceeds 'B'.							
	(e) Headset.	Ensure tone is audible.							
	(f) Pilot's Press-to-Mute switch.	(i) Depress and ensure tone is muted. (ii) Release.							

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Continued

AIR COMMS SP 277 (10)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)			
<u>PTR 175 INSTALLATION</u>				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS 2	3	MAN HRS 4	INITS 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
<b>BLOCK 1</b> <b>AIR COMMS</b>									
<b>10. VHF Frequency Accuracy Checks</b>									
<b>10.1 TS 15077.</b> (a) Meter switch. Set to '5'. (b) Sig Gen Freq switch. Set to 'X'.									
<b>10.2 CU manual selectors.</b> Set to 133.65 MHz and ensure tone is audible.									
<b>10.3 TS Sig Gen Freq switch.</b> Set to 'Y'.									
<b>10.4 CU manual selectors.</b> Set to 119.35 MHz and ensure tone is audible.									
<b>10.5 TS Sig Gen Freq switch.</b> Set to 'Z'.									
<b>10.6 CU Manual selectors.</b> Set to 124.30 MHz and ensure tone is audible.									
<b>BLOCK 2</b> <b>AIR COMMS</b>									
<b>11. VHF Receiver Sensitivity and Squelch</b>									
<b>11.1 CU manual selectors.</b> Set to 119.35 MHz.									
<b>11.2 TS 15077.</b> (a) Meter switch. Set to '4'. (b) Co-axial link. Connect between Rx and Noise Gen sockets. (c) Noise Gen switch. Set to 'MOD ON'. (d) D.C. Cal controls. Adjust for meter reading of 'C'. (e) Noise Gen switch. Set to 'OFF' and ensure meter reading falls to less than 'A'.									
SMS/								Continued	

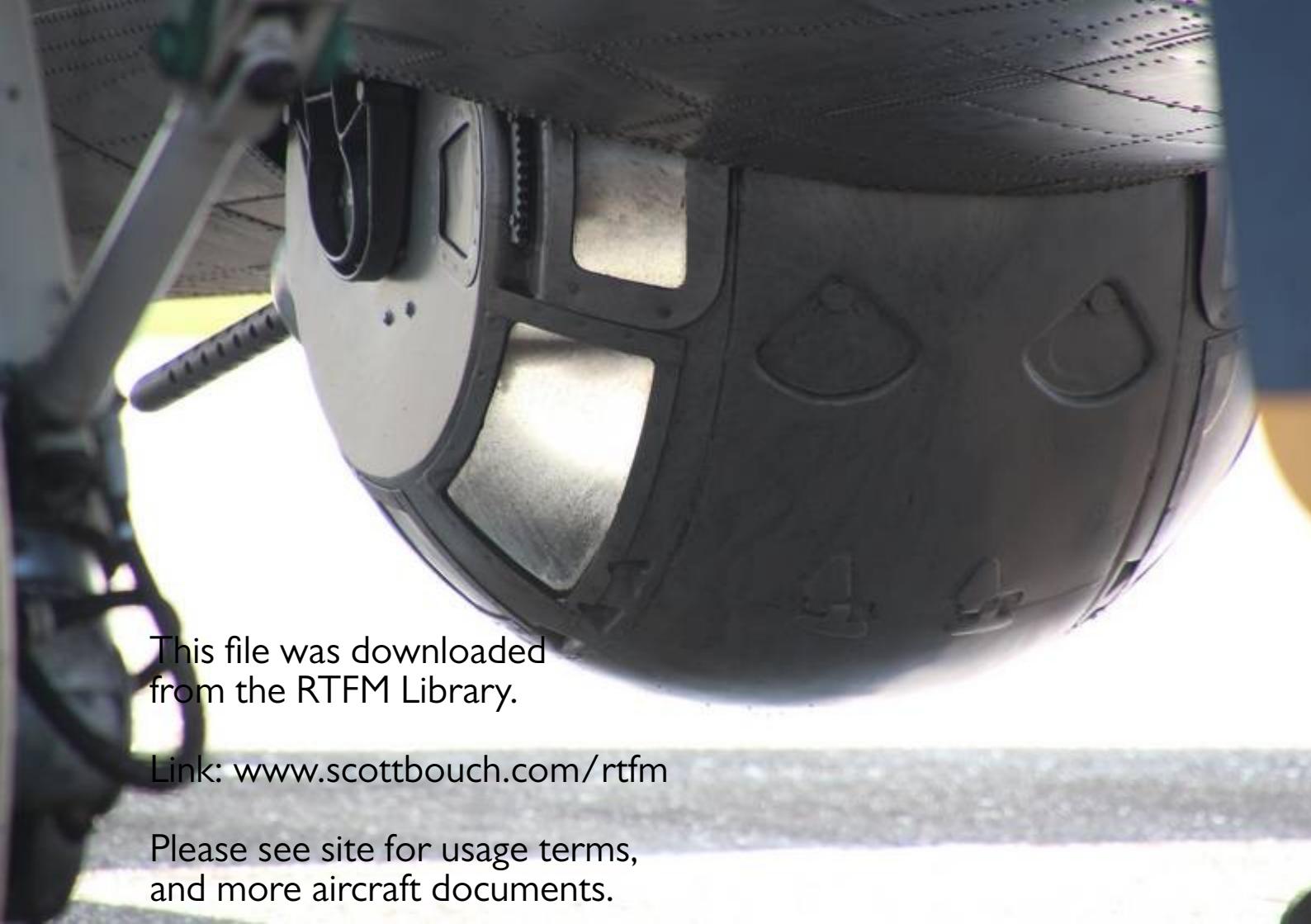
AIR COMMS SP 277 (11)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD Aircraft Ser No: Date:		RAF Form 2988B (Revised Jan 85)		
PTR 175 INSTALLATION				TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
					MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD				Code				
BLOCK 1 AIR COMMS								
11. <u>VHF Receiver Sensitivity and Squelch (Contd)</u>								
11.3 CU manual selectors. Set to 124.30 and 133.65 MHz in turn and repeat Sub-items 11.2 (c) to (e) inclusive.								
BLOCK 2 AIR COMMS								
12. <u>VHF Transmitter Power Output Check</u>								
12.1 CU manual selectors. Set to 119.35 MHz.								
12.2 TS 15077. (a) Meter switch. Set to '5'. (b) Co-axial link. Connect between Tx and Load sockets. (c) High/Low power switch. Depress to 'LOW'.								
12.3 Pilot's Press-to-Transmit switch. (i) Depress and ensure TS meter reading exceeds 40. (ii) Release.								
12.4 TS High/Low power switch. Release.								
12.5 CU manual selectors. Set to 124.30 and 133.65 MHz in turn and repeat Sub-items 12.2 (c) to 12.4 inclusive.								
SMS/ 93						Continued		

AIR COMMS SP 277 (12)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8		SERVICING RECORD		RAF Form 2988B (Revised Jan 85)		
PTR 175 INSTALLATION						Aircraft Ser No: Date:				
				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR		
				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5	
BLOCK 1		AIR COMMS								
13. <u>50 KHz Channel Spacing Check</u>										
13.1 Connector Type 5995-99-943-4145.		(i) Disconnect from TS Radio socket. (ii) Reconnect via 'T' adapter and connector.								
13.2 Meter Frequency Absorption. (Part of 10S/956854).		Connect to branch of 'T' adapter.								
13.3 CU manual selectors.		Set to 125.00 MHz.								
13.4 TS Talk switch.		Set to 'ON'.								
13.5 Meter Frequency Absorption meter control.		Adjust for full scale indication on MFA meter.								
13.6 CU manual selectors.		Set to 125.05 MHz.								
13.7 Meter Frequency absorption.		Ensure indication falls.								
13.8 CU manual selectors.		(i) Set to 125.00 MHz and ensure meter rises to full scale. (ii) Set to 125.05 MHz and ensure meter indication falls.								
13.9 TS Talk switch.		Release.								
13.10 Meter Frequency Absorption. 13.11 'T' adapter. 13.12 Connector.		)		)		Disconnect and stow.				
13.13 Connector Type 5995-99-943-4145.						Connect to TS Radio socket.				
SMS/ <i>VJL</i>										Continued

AIR COMMS SP 277 (13)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)			
PTR 175 INSTALLATION				Aircraft Ser No: Date:					
				TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD									
BLOCK 1				AIR COMMS					
14. <u>VHF Modulation Depth and Quality Checks</u>									
14.1 CU manual selectors.				Set to 124.30 MHz.					
14.2 Headset. (2 off).				Ensure microphone switches set to 'OFF'.					
14.3 TS 15077. (a) Meter switch. (b) Talk switch. (c) D.C. Cal controls. (d) Meter switch. (e) Meter. (f) Talk switch. (g) Tone Mod switch.				Set to '6'. Set to 'ON'. Adjust for meter indication of 'B'. Set to '7'. Check indication exceeds '25'. Release. Repeat Sub-item 14.3 (b) to (f) inclusive using Tone Mod switch in place of Talk switch.					
14.4 Pilot's headset.				Set to '9'. Set fully clockwise.					
14.5 Pilot's Press-to-Transmit switch.				Set microphone switch to 'ON'.					
14.6 Headset. (2 off).				Set to 'ON'. Speak into Pilot's microphone and ensure that sidetone heard at TS headset is clear.					
14.7 Pilot's Press-to-Transmit switch.				Release.					
14.8 Pilot's headset.				Set microphone switch to 'OFF'.					
SMS/ 194								Continued	

AIR COMMS SP 277 (14)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS	AP101B-1300-5A3B Sect 2 Chap 8	SERVICING RECORD		RAF Form 2988B (Revised Jan 85)		
PTR 175 INSTALLATION				Aircraft Ser No: Date:				
				TRADESMAN	Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
				Code	MAN HRS 1	INITS & TDM 2	MAN HRS 4	INITS & TDM 5
BLOCK 1		AIR COMMS						
15. <u>VHF Aerial Reflection Coefficient Check</u>								
15.1 Connector Type 5995-99-943-4144.		(i) Disconnect from UHF aerial connector. (ii) Connect to VHF aerial connector.						
NB: During Sub-item 15.2 121.50 MHz is not to be used.								
15.2 CU manual selectors.		Set to any little used VHF frequency around 125.00 MHz.						
15.3 Aerial changeover switch.		Set to 'UPPER'.						
15.4 TS 15077. (a) Co-axial link. (b) Meter switch. (c) Talk switch. (d) Meter switch. (e) Talk switch.		Connect between Tx and Aerial sockets. Set to '6' and ensure frequency selected is not in use. Depress to 'ON' and adjust d.c. Cal controls for meter indication of 'B'. Set to '8' and ensure indication is less than '12'. Release.						
15.5 Aerial changeover switch.		Set to 'LOWER' and repeat Sub-items 15.4 (b) to (e) inclusive.						
BLOCK 2		AIR COMMS						
16. <u>General</u>								
16.1 TS Supply switch.		) Set to 'OFF'.						
16.2 CU C1607/4 Function switch.		)						
SMS/ 194A						Continued		

AIR COMMS SP 277 (15)		SERVICING PROCEDURES FUNCTIONAL CHECKS AND TESTS HUNTER ALL MARKS		AP101B-1300-5A3B Sect 2 Chap 8		SERVICING RECORD Aircraft Ser No: Date:				RAF Form 2988B (Revised Jan 85)	
<u>PTR 175 INSTALLATION</u>						TRADESMAN		Brief Details of Suspected Defect and SNOW When Applicable		SUPERVISOR	
						Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
<p>SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD</p>											
<p><b>BLOCK 1</b></p> <p><b>AIR COMMS</b></p> <p>16. <u>General</u> (contd)</p> <p>16.3 TS 15077. Disconnect from installation.</p> <p>16.4 TR Aerial connectors. Reconnect to TR VHF aerial socket.</p> <p>16.5 Headsets. Disconnect from Pilot's and TS mic/tel sockets.</p> <p>16.6 Circuit-breakers. (As applicable). Trip.</p>											
<p>SMS/ 195</p>											



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