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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 Aircraft Ser No: Date:				RAF Form 2988B (Revised Jan 85)	
I/C INSTALLATION NB: This Procedure is applicable only to Mk 7, 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 AC	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS						Code					
Special Tools and Equipment: Nil.															
BLOCK 1 AIR COMMS 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 AIR COMMS 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/ 178														Continued	

AIR COMMS
SP 271 (2)

SERVICING PROCEDURES
FUNCTIONAL CHECKS AND TESTS
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I/C 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 3	SUPERVISOR	
		MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1 AIR COMMS 2. <u>Facility</u> (Contd) 2.2 Normal/Emergency I/C switch. Set to 'EMERGENCY'. 2.3 I/C facility. Ensure available between pilot's and (Emergency). 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/ VFA

Continued

AIR COMMS SP 272 (1) (1 to 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)	
TELEBRIEFING 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	3		MAN HRS 4	INITS & TDM 5
TRADE AC	M/HRS	TRADE	M/HRS	ASSOCIATED PROCEDURE CARDS						Code					
Special Tools and Equipment:															
Test Set Type 395.															
BLOCK 1 AIR COMMS															
1. Preparation															
1.1 Test set Type 395. Connect to aircraft telebriefing plug.															
1.2 Telebriefing warning lamp. (Cockpit). Ensure lit.															
BLOCK 2 AIR COMMS															
2. Functional Check															
2.1 Headsets. (2 off). Plug into Pilot's and TS mic/tel sockets.															
2.2 TS 395. (a) On/Off switch. Set to 'ON'. (b) Warning lamp. Ensure lit.															
2.3 I/C check. Carry out two-way test between cockpit and test set.															
2.4 Pilot's Press-to-Talk switch. Operate.															
SMS/ 179														Continued	

AIR COMMS
SP 272 (2)

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TELEBRIEFING 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 3	SUPERVISOR	
		MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
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

HUN/5A3B/2.312

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	
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 1. <u>Audio Warning Facility (Contd)</u> 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. Connect to TS mic/tel socket and (2 off). 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/ 1001				Continued					

AIR COMMS SP 275 (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)		
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				Code	MAN HRS 1	INITS & TDM 2	3		MAN HRS 4	INITS & TDM 5
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. <div style="margin-left: 200px;"> (i) Momentarily set to 'EMERGENCY' and ensure meter indicates is in Green zone. (ii) Revert to 'NORMAL'. </div>										
2.9 TS 15077. <div style="margin-left: 20px;"> (a) Supply switch. Set to 'ON' and allow a 30 second warm-up period. (b) Meter switch. Ensure set to '1' and ensure meter indicates is in Green zone. </div>										
2.10 I/C facility. Ensure available between TS and Pilot's station.										
BLOCK 2 AIR COMMS										
3. <u>Receiver Sensitivity and Channel Selection</u>										
NB: In Sub-item 3.1 d(i) if meter indicates low momentarily disconnect headsets.										
3.1 TS 15077. <div style="margin-left: 20px;"> (a) Co-axial link. Ensure disconnected. (b) Meter switch. Set to '11' and ensure meter indication is less than 10 and record. (c) Co-axial link. Connect between Rx and Noise Gen sockets. </div>										

SMS/ 181

Continued

AIR COMMS SP 275 (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)	
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				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 5
BLOCK 1 AIR COMMS									
3. <u>Receiver Sensitivity and Channel Selection</u> (Contd)									
3.1 TS 15077. (Contd)									
(d) Power switch.									
(i) Set to 'LOW' and ensure meter indication is at least twice that recorded in para (b).									
(ii) Release High/Low Switch.									
3.2 Channel switch.									
(i) Set to 'ALTERNATIVE' and repeat Sub-item 3.1.									
(ii) Set to 'GUARD'.									
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.									
(i) Set to 'ALTERNATIVE' and ensure is inaudible in headset.									
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/ RJA

Continued

HUN/5A3B/2.316

AIR COMMS SP 275 (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)	
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				Code	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. Set to '6'.									
(b) Talk switch. Depress to 'ON'.									
(c) D.C. Cal switch. Adjust for meter indication of 'B'.									
(d) Meter switch. (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/ 183A

Continued

AIR COMMS SP 275 (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				Code	MAN HRS 1	INITS & TDM 2	3	MAN HRS 4	INITS & TDM 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.									
6.3 Channel switch.									
BLOCK 2 AIR COMMS									
7. <u>General</u>									
7.1 TS Supply switch.									
7.2 UHF - Main/S'by/S'by Emergency switch.									
7.3 Radio supplies circuit-breaker.									
7.4 Main UHF circuit-breaker.									
7.5 Headset.									
(2 off).									
7.6 TS 15077.									
7.7 TR aerial connector.									
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 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										MAN HRS 1	INITS & TDM 2					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. Preparation																					
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. Preparation																					
2.1 External power supply. (i) Connect. (ii) Switch on.																					
SMS/ 184																Continued					

AIR COMMS
SP 276 (2)

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ILS INSTALLATION-TEST

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 3	SUPERVISOR	
		MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1 AIR COMMS						
3. <u>Preparation</u>						
3.1 Inverter test switch. Set to 'TEST'. (2 off).						
3.2 ILS ON/OFF switch. Set to 'ON'.						
BLOCK 2 AIR COMMS						
4. <u>Ident Tone</u>						
4.1 CRM 555. (a) Function switch. Set to 'LOCALIZER'. (b) 1020 ON switch. Set to 'ON'. (c) RG attenuator dBm switch. Set to 'dBm'.						
NB: During Sub-item 4.1(d) local station frequencies are not to be selected.						
(d) LOC/VOR megahertz switch. Set to a frequency between 108.05 and 111.95 MHz corresponding to a XTAL frequency on ILS.						
4.2 ILS Station Selector. Set to XTAL position corresponding to CRM 555 frequency.						
4.3 Headset. Ensure 1020 Hz tone audible.						

SMS/

Continued

AIR COMMS
SP 276 (3)

SERVICING PROCEDURES
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ILS INSTALLATION-TEST

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 3	SUPERVISOR	
		MAN HRS 1	INITS & TDM 2		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).						

SMS/ 185

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AIR COMMS
SP 276 (4)

SERVICING PROCEDURES
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ILS INSTALLATION-TEST

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 3	SUPERVISOR	
		MAN HRS 1	INITS & TDM 2		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/ 18.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 Aircraft Ser No: Date:		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									
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. (a) DDM switch. Set to fly down/right 2dB.									
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. (a) DDM switch. Set to fly down/right 3.76 dB.									
6.7 Pilots Nav display. Ensure glidepath bar has moved below centre and beyond position noted at Sub-item 5.5 (iii).									
SMS/ 186				Continued					

AIR COMMS SP 276 (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)	
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									
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/ 1861				Continued					

HUN/5A3B/2.327

AIR COMMS
SP 277 (2)

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PTR 175 INSTALLATION

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		MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
BLOCK 1 AIR COMMS						
1. <u>Preparation</u> (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. Set to 'M'. (b) Manual selectors. (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/ 188 A

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AIR COMMS SP 277 (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)	
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 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 (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).			
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 4. <u>UHF Main Receiver Frequency 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.											
BLOCK 2 AIR COMMS 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	
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>Receiver Sensitivity and Squelch (Contd)</u>									
5.3 TS 15077. (Contd)									
(b) D.C. Cal Fine and Coarse controls.									
(c) Noise Gen switch.									
5.4 CU Manual selectors.									
BLOCK 2 AIR COMMS									
6. <u>Transmitter Power Output and Tone Checks</u>									
6.1 CU Manual selectors.									
6.2 TS 15077.									
(a) Co-axial link.									
(b) Meter switch.									
6.3 Pilot's Press-to-Transmit switch.									
6.4 CU Manual selectors.									
6.5 Channel switch.									

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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		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. (i) Set to 'ON' and ensure 1 KHz tone is heard. (If fitted). (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 Set to appropriate microphone simulator Output switch. 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 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 7. <u>Modulation Depth and Quality (Contd)</u> 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. Set to 'M'. (b) Manual selectors. 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. Connect between Tx and Aerial sockets. (b) Meter switch. Set to '6' and ensure frequency selector is not in use. (c) Talk switch. Depress to 'ON' and adjust d.c. Cal controls for meter indication of 'D'.											
SMS/ 1011						Continued					

HUN/5A3B/2.335

AIR COMMS
SP 277 (11)

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:

PTR 175 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 3	SUPERVISOR	
		MAN HRS 1	INITS & TDM 2		MAN HRS 4	INITS & TDM 5
<p>BLOCK 1 AIR COMMS</p> <p>11. <u>VHF Receiver Sensitivity and Squelch (Contd)</u></p> <p>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.</p>						
<p>BLOCK 2 AIR COMMS</p> <p>12. <u>VHF Transmitter Power Output Check</u></p> <p>12.1 CU manual selectors. Set to 119.35 MHz.</p> <p>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'.</p> <p>12.3 Pilot's Press-to-Transmit switch. (i) Depress and ensure TS meter reading exceeds 40. (ii) Release.</p> <p>12.4 TS High/Low power switch. Release.</p> <p>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.</p>						

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AIR COMMS SP 277 (13)		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											
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. Set to '6'.											
(b) Talk switch. Set to 'ON'.											
(c) D.C. Cal controls. Adjust for meter indication of 'B'.											
(d) Meter switch. Set to '7'.											
(e) Meter. Check indication exceeds '25'.											
(f) Talk switch. Release.											
(g) Tone Mod switch. Repeat Sub-item 14.3 (b) to (f) inclusive using Tone Mod switch in place of Talk switch.											
(h) Meter switch. Set to '9'.											
(j) D.C. Cal controls. Set fully clockwise.											
14.4 Pilot's headset. Set microphone switch to 'ON'.											
14.5 Pilot's Press-to-Transmit switch. Set to 'ON'.											
14.6 Headset. (2 off). 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'.											
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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)			
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 16. <u>General</u> (contd) 16.3 TS 15077. Disconnect from installation. 16.4 TR Aerial connectors. Reconnect to TR VHF aerial socket. 16.5 Headsets. Disconnect from Pilot's and TS mic/tel sockets. 16.6 Circuit-breakers. Trip. (As applicable).											
SMS/ 195						Continued					



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