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DETAILED INDEX TO THE STRUCTURE AND INDEX

- Notes:
1. This Issue 26, Pages 1-126 supersedes Issue 25, Pages 1-101 dated Jun 82 and all Accession Lists thereto.
 2. Reissue of this index will be made annually. Subsequent amendments will be issued on Accession Lists.
 3. Single Publications and complete decades which are marked * indicate that they are no longer in general demand and thus depleted stocks have not been renewed. Units should only demand these publications when their requirement is shown to be justified.
 4. Distribution class numbers, determined from Form EMER 51 (see EMER Gen A 052 are shown at the right-hand side of the 'Subject' column.
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B 820					1	0	Data summary 56G
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B 822	1				1	0-01	Technical description
	2				1	1-104	
			000		3	1	List of chapters
			200		3	1-4	Vehicle isolator unit
			201		1	0	Fault finding and repair data
					3	1-7	
			300		1	0	Transmitter radio SR
					3	1-20	
			301		3	1-6	Control - radio set - advance post
			302		3	1-2	Switching unit, remote SR
			303		1	0	Receiver common stages
					3	1-10	
			304		3	1-11	Receiver - radio SR - control link
			305		3	1-14	Receiver radio SR data
			306		3	1-14	Receiver radio SR, microphone position
			307		3	1-4	Operators test box
			308		3	1-8	Microphone, sound ranging
B 823					1	1-4	Unit repairs
					1	1001-1009	
B 824	1		000		1	1	List of chapters
			100		1	1-3	Field repairs
			101		1	1-18	Mechanical repairs and replacements
			102		1	1-6	Specification tests - general
			200		1	1-2	Vehicle isolator unit
			201		1	0	Recorder power supply and system selector

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
			300		1	1-4	Transmitter, radio, SR Control, radio set, advanced post Switching unit, remote, SR Receiver common stages Receiver radio, SR, control link Receiver radio, SR, data Receiver radio, SR, microphone position Operators test box Microphone, sound ranging Centremas Sub-unit 31, change in value of C7, C8, C11 and C12 Board C - change in value of RV2 and R21 Board A - change in value of R4 Change of transistor VT2 Sub-unit 23 - change in value of R7 Transmitter, radio, SR - addition of terminal post to PEC Sub-unit 5 - change in value of resistor R4 Sub-unit 30 - change in value of resistor R17 Sub-unit 23 - replacement of VT6 and VT7 Sub-unit 24 - replacement of VT2, VT4, and VT5 Sub-units 27 and 28 - replacement of valve electronic CV9351 Sub-unit 7 - change in value of R20 Transmitter, radio, SR - replacement of variable capacitors in sub-unit 8 Receivers, radio SR, sub-unit 23 - failure to meet noise quieting specification Receivers, radio SR, sub-unit 21 - replacement of headless grooved pin <u>Carrier link, S.R.</u> Technical description Unit repairs Detector units, Mk 1/1 Defective soldering <u>MISCELLANEOUS ELECTRO-ACOUSTIC EQUIPMENT</u> <u>General</u> Magnetic tape recorders Test tapes for tape recorders <u>Public address equipment</u> <u>Telephone, loudspeaking, No 2 (YA 2803)</u> <u>Telephone, loudspeaking, No 1</u> Data summary Technical description Inspection standard
B 826					1	0	
B 827			301		1	1-18	
			302		1	1-5	
			303		1	1	
					1	0	
					1	1-8	
			304		1	1-9	
			305		1	1-14	
			306		1	1-17	
			307		1	1-3	
			308		1	1-5	
					2	1-3	
				1*	1	1-3	
				2*	1	1-3	
				3*	1	1-2	
				4*	1	1-3	
				5*	1	1-3	
				6*	1	1	
				7*	1	1-3	
				8*	1	1-3	
				9*	1	1-4	
				10*	1	1-3	
				11*	1	1-4	
				12*	1	1-3	
				13*	1	1-5	
				14*	1	1-2	
B 829				1	1	1	
B 852					1	1-8	
B 853					1	1001-1002	
B 857				1*	1	1-2	
B 859				1*	1	1-5	
					1	1	
C 003					1	1-12	
C 004					1	1-3	
C 030*							
to							
C 039							
C 040					1	1-2	
C 042					1	1-10	
C 048					1	1001-1002	
					1	1-6	

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							<u>Megaphones, 12V</u>
C 110					1	1-2	Data summary
C 112					1	1-2	Technical description
					1	1001-1004	
C 113					1	1	Unit repairs
C 114					1	1-7	Field and base repairs
C 118					1	1-2	Inspection standards
							<u>ZB 15000/2</u>
							<u>Apparatus, loudspeaking, No 10</u>
C 210*							
to							
C 219							
							<u>Apparatus, loudspeaking, No 21</u>
C 300					1	1-3	Data summary
C 302	1				1	1-14	Technical description
	2				1	1001	
					1	0	Fault finding and repair data
					1	1001-1003	
					1	1003A-1003B	
					1	1004-1015	
C 303					1	2001	FORWARD coding
					1	1-2	Unit repairs
C 304					1	1001-1002	
					1	0-03	Field and base repairs
					1	1-7	
C 307					1	1001-1006	
					1	1-2	Index of modifications
			1*		1	0-01	Isolation of positive battery points from the chassis and improvement of characteristics
					2	1-2	
					1	3-5	
			2*		1	1	Improvement of operation of relays
			3		1	1	Improvement of stability of amplifier - control group
			4*		1	1	Reverse polarity protection for the amplifiers - control group
			5*		1	1-2	Strengthening of handset stowage box cover hinge on loudspeaker
			6*		1	1-3	Strengthening of terminal protection plate and fixing pillars
C 308					1	0-01	Inspection standards
C 309					1	1-6	
			1*		1	1	Case for telephone handset on the loudspeaker unit
			2*		1	1	Indicator lamp caps
			3*		1	1	Supersession of semiconductor diode CV5145
			4*		1	1	Replacement of capacitor C6
							<u>Apparatus, loudspeaking, No 23</u>
C 310					1	1-4	Data summary
C 312					1	0-01	Technical description
					1	1-13	
					1	1001-1003a	
					1	1004-1008	
					1	2001	FORWARD coding
C 313					1	1	Unit repairs
C 314					1	1	Field and base repairs
C 317			1*		1	0	Insulation failure and addition of R46
					1	1-3	
			2*		1	1-2	Amplifier AF 60W - replacement of RV1, RV2, or RV3
			3*		1	0	Standardisation of mains connectors and cable assemblies
					1	1-4	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
C 320					1	1-2	<u>Apparatus, loudspeaking, No 25</u> Data summary
C 322					1	1-3	Technical description
					1	1001-1003	
C 323					1	1-2	Unit repairs
C 324					1	1-6	Field and base repairs
C 327				1*	1	0-01	Amplifier and loudspeaker unit - repositioning of microphone plug and volume control
					1	1-5	<u>Apparatus, loudspeaking, No 26 (Light- weight)</u> 17K
C 330					1	1-2	Data summary
C 332	2				1	2001	FORWARD coding
C 339				1	1	1	Handset microphone - prevention of ice build-up under sub-zero conditions
							<u>Apparatus, loudspeaking No 24</u>
C 340					1	0	Data summary
					1	1-4	
C 342					1	0	Technical description
					1	1-19	
					1	1001-1006	
					2	1007-1008	
C 347				1*	1	0	Main hailer DC fuse - replacement
					1	1-3	
				2*	1	1-3	Amplifier loudspeaker - rating of R19 increased
				3*	1	1-4	Main hailer diaphragm assembly - improved sealing
				4	1	1-3	Replacement of obsolete capacitors (C1 and C2)
				5	1	1-4	Replacement of obsolete relays (RL1 and RL2)
							<u>Apparatus loudspeaking (UK Pic 360)</u>
C 350					1	1-2	Data summary
C 352					1	1-8	Unit and field repair
					1	1001-1005	
					1	2001	FORWARD coding
C 358	1				1	1-2	Inspection standard
C 359				1*	1	1	Pressel arm screws - application of locking compound
				2*	1	1	Battery holder clip - securing retaining screw
							<u>Miscellaneous i.f. amplifiers</u>
							<u>Amplifier, a.f., 2 watt, sealed, No 1, 12 volts and 24 volts</u>
C 400					1	0	Data summary
					1	1-2	
C 402	1 2				1	1-3	Technical description
					1	0	Fault-finding and repair data
					1	1001-1007	
					1	2001	FORWARD coding
C 403					1	1-2	Unit repairs
C 404					1	0	Field and base repairs
					2	1-6	
C 407				1*	1	0	Provision of call facility when used with radio control harness B
					1	1-2	
				2*	1	1-2	Remounting components to withstand shock and vibration
C 408					1	0-01	Inspection standards

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
C 409				1*	1	1-4	Redesignation of EMERs Redesignation of EMERs Use of 24V amplifier in 12V installation Wiring omission Replacement loudspeaker socket <u>Junction box, 2-set, aircraft, 12 and 24V</u>
				2*	1	1-2	
				3*	1	1-2	
				4*	1	1	
				5*	1	1-2	
C 410* to C 419*							<u>Junction box, intercommunications</u>
C 420 C 422	1 2				1 1 1 1	1-2 1-4 1001-1007 2001	Data summary 14F Technical description Fault-finding and repair data FORWARD coding <u>Intercom unit 6-way (Intercom set)</u>
C 430 C 432 C 437				1*	1 1 1	0 2001 0	Data summary 61F FORWARD coding Change of supply switch function
C 438					1 1	1-4 1-7	Inspection standard <u>Amplifier, AF (5 watt)</u>
C 450 C 452					1 1 1	1-2 1-3 1001-1005	Data summary 17K Technical description
C 454 C 457				1* 2* 3*	1 1 1	1-7 1-3 1-2	Field and base repairs Addition of surge limiting zener diode Amplifier housing assembly - provision of warning label
C 458					1	1-3	Chassis casting assembly - addition of resistor Inspection Standards <u>Recorder/reproducer sound Sony TC-55</u>
C 560					1 1	0 1-2	Data summary 17J <u>Recorder reproducer set, sound</u>
C 570 C 572					1 1 1	1-3 1-20 1001-1004	Data summary Technical description <u>Nagra recorder/reproducer series 4.2 model LSP</u>
C 580					1	1-3	Data summary <u>Recorder reproducer sound 640 agreed modification)</u>
C 590 C 598					1 1	1-2 1-5	Data summary Inspection standard

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
							<u>Sound recording equipment</u>
							<u>Record player Goodsell/Goldring - Lenco</u>
C 600					1	1-3	Data summary
C 602					1	1-6	Technical description
					1	1001-1008	
C 608	1				1	1-6	Inspection standard
							<u>Recorder/reproducer, sound, dual track type 731/A</u>
C 610					1	1-2	Data summary
C 612					1	0	Technical description
					1	1-18	
					1	1001-1002	
C 619				1*	1	1	<u>Removal of erase/record facility Equipment, recorder, sound ranging (Long and short base) No 5, Mk 1</u>
C 620					2	0-01	Data summary
					1	02	
					1	1-3	
C 622	1				1	0-01	Technical description
					1	1-18	
	2				1	0-01	Fault-finding and repair data
					1	1001-1020	
C 623					1	0-01	Unit repairs
					1	1-12	
					2	13-14	
C 624					1	0-02	Field and base repairs
					1	1-25	
					1	1001-1012	
C 628					1	1-4	Inspection standards
C 629				1	1	1-2	Mercury batteries - danger of explosion
							<u>Test unit, lines, S.R., Mk 1</u>
C 630					1	1-2	Data summary
							<u>Recorders reproducers sound, Tanberg</u>
C 647				1*	1	1-3	Power amplifier circuit protection for Tanberg recorder reproducers
							<u>Calibrator, paper speed, kit No 1</u>
C 652					1	1-10	Technical description
					1	1001-1014	
							<u>Recorder/reproducer, sound, REH1</u>
C 662					1	1-14	Technical description
					2	15-16	
					1	17-18	
					1	1001-1006	
C 669				1	1	1-2	Replacement valves, valveholders and screens
							<u>Recorder/reproducer, sound, REH3 and 4</u>
C 672					1	1-8	Technical description
					2	9-10	
					1	1001-1009	
C 679				1	1	1	Electric shock hazard

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C 687				1*	1	1-5	<u>Recorder/reproducer, sound, RE 301</u> Replacement of tape position indicator
				2*	1	1-2	Replacement of tape heads
				3*	1	1-6	Improvement of remote control facility
				4*	1	1-4	Recorder transportable cases - rubber mounting blocks
				5*	1	0	Replacement capstan motor
C 689					1	1-5	
				1*	1	1	Microphone hand - supersession
							<u>Recorder/reproducer set, sound, Philips type EL3302</u>
C 690					1	1-2	Data summary 17L <u>Microphone assemblies</u>
C 702					3	1-1A	Technical description
					2	2-9	
					2	1001-1010	
C 707				1*	2	1	Microphone hand SI No 9 - replacement switch wafer
				2*	1	0	Removal, on failure, of gas mask socket of microphone, magnetic, SI, No 5
				3*	1	1-3	Microphone magnetic SI No 6, 7 and 9 - removal of gas mask socket
				4*	1	1-3	Microphone hand SI No 7 - replacement switch wafer
				5*	1	1-6	Microphone, SI, tank mounting - prevention of switch stop failure
C 709				1*	1	1-2	Redesignation of EMERs
				2*	1	1	Microphone, hand, SI, No 3 - adjustment of grub screw
				3*	1	1	Securing of hangers and switch operating arm
				4*	1	1-2	Microphone, magnetic, SI u 7 - fitting replacement switches SA
				5*	1	1-2	Microphone hand SI No 5, 6, 7, and 9 - replacement of pressel switch
							<u>Handsets, headsets and loudspeakers</u>
							<u>Receiver assemblies</u>
C 712					3	1-1A	Technical description
					2	2-11	
					2	1001-1006	
C 717				1*	1	1-2	Replacement of headbands
				2*	1	0	Ear cushion - fitting of ear pad
					2	1-4	
C 719				1*	1	1-2	Redesignation of EMERs
				2*	1	1	Radiusing of shell cover
							<u>Microphone and receiver combined assemblies</u>
C 722					3	1-1C	Technical description
					2	2-15	
					2	1001-1035	
C 727				1*	1	1-2	Conversion for use with wireless set No 62, Mk 3, in Auster aircraft 17L
				2*	1	0-02	Modification to plug of telephone hand S.I. No 4G
					1	1-6	
				3*	1	0-02	Modification to plug of microphone and receiver headgear assembly, S.I. No 1A
					1	1-6	Headset, microphone, SI type Y1/5965-99-106-0401 and Y1/5965-99-949-8136
				4*	1	1	Headband attachment parts and earpads -
				5*	1	1-3	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
C 729				6*	1	1-4	replacement Peak limiting ear defender headset (632-9763) toggle switch and amplifier fixing screws- replacement
				1*	1	1-2	Redesignation of EMERs
				2*	1	1	Helmet headset electrical, A vehicle crewman's headgear
				3*	1	1-2	Back band securing screw, bush and washer
				4*	1	1	Earphone shell-securing spring contacts in amplifier battery compartment
				5*	1	1-2	Microphone hand SI No 2 - fitting of new carbon microphone elements
				6*	1	1	Boom microphone assembly - improved security
			7*	1	1	Handset microphone - prevention of ice build-up under sub-zero conditions <u>Clansman audio accessories</u>	
C 740					2	1-3	Data summary
C 742					1	0-01	Technical description
					2	1-10	
C 743					1	11-22	
					1	0	Unit repairs
C 747					2	01	Unit repairs
					2	1-29	
C 749				1*	1	1-5	IMMEDIATE - Helmet headset 'A' vehicle crewman - introduction of chinstrap.
				2*	1	0	Introduction of an improved connection to the Earshall assembly of the helmet, headset electrical.
					2	1-2	Headset microphone, (BV & I) Z42/5965- 99-620-8320) Introduction of an improved neckband assembly.
				3*	1	1-4	Headset microphone (BV & I) 5965-99- 620-8320 improved earshell contact Clansman audio accessories - use of thread locking agent.
				1*	1	0	Introduction of new main cable assemblies
					1	1	Headset microphone, AVSU (5965-99-620- 5668) - introduction of new boom micro- phone and main cable assemblies.
				2*	1	1	Helmet headset, electrical, 'A' vehicle crewman's headgear (5965-99-620-3251) - introduction of piece part socket and boom arm assembly.
				3*	1	1	Headset microphone (AVSU) Z4/5965-99-620-5688
				4*	1	1	failure of rivet securing stirrup to neckband
				5*	1	1	Cable assembly switch, electrical (Pressel box) assembly piece part socket and boom arm assembly.
				6*	1	1-2	
				7*	1	1-2	
				8*	1	1	
				9	1	1	
							<u>Electrical stethoscopes</u>
							<u>Stethoscope, electrical, model 4B</u>
C 850					1	1	Data summary
C 859				1*	1	1-2	Redesignation of EMERs

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
							<u>Stethoscope, electronic</u>
C 860					1	1-3	Data summary
C 862					1	1-11	Technical description
					1	1001	
C 867				1*	1	1-3	a. Case, electrical equipment - addition of warning label b. Reeling machine - addition of thrust washer
C 869				1*	1	1-2	Winch assembly - lubrication
							<u>TRANSMITTERS, RADIO</u>
							<u>Transmitter, radio, C11 (S.S.B.)</u>
D 110					1	0	Data summary
					1	1-2	
D 112	1				1	1-31	Technical description
	2				1	0-01	Fault finding and repair data
					1	1001-1004A	
					1	1005-1018	
					2	1019-1020	
					1	1021-1083	
D 114					1	2001	FORWARD coding
					1	0	Field and base repair
					1	1-32	
					2	33-34	
					1	35-36	
					2	37-38	
					1	39-46	
					1	1001-1008	
D 116					3	1-2	Centremes
D 117				1*	1	1	1st and 2nd r.f. amplifier stages C2 and C3 - prevention of instability 18V supply - stabilization Printed wiring board B2 - re-location of R17
				2*	1	1-4	Replacement of P.A. switch shaft
				3*	1	1-4	Fitting warning label
				4*	1	1-3	Replacement of RV1 on board B2
				5*	1	1-2	Five-gang variable capacitor coupling
				6*	1	1-3	Band change switch - improved coupling
				7*	1	1-3	Replacement of tuning drive assembly
				8*	1	0	
				9*	1	1-4	
				10*	1	1-2	Replacement of PWB retaining arms
				11*	1	1-3	Units C2 and C3 - addition of PCB
				12*	2	1-2	Addition of heat sink to VT7 on board 2
				13*	1	1-3	Power amplifier - low output at 4MHz on middle band
				14*	1	1-4	RF chassis - replacement of switch shaft assembly
D 119				1*	1	1	Printed circuit board C6, replacement of capacitor C1
				2*	1	1	Change of transistor VT1 (unit C4)
				3*	1	1	Defective magnetic clutch
				4*	1	1	Overheating of resistors R3 and R5
				5*	1	1	Multiplier A (B3) - addition of L3
				6*	1	1	Replacement of PA valve clip assembly
				7*	1	1	Replacement panel, electronic circuit B1
				8*	1	1	Switch AO-SB, replacement of obsolete type
				9*	1	1	Capacitor C1 on assembly B0 - method of fitting replacement
							<u>Transmitter, radio, C11</u>
D 120					1	0-01	Data summary
					1	1-2	
D 122					1	0-01	Technical description

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	2				1	1-14	Fault finding and repair data	
					2	15-18		
					1	19		
					2	0-03		
					1	04		
					1	1001-1002		
					2	1003-1006		
					1	1007-1030		
					2	1030A		
					1	1031-1033		
					2	1034-1037		
					1	1038-1049		
					1	2001-2002		
D 123					1	1-6		Unit repairs
					2	7		
D 124					1	1001		Field and base repairs
					1	0-07		
					1	1-20		
					2	21-25		
					1	1001-1033		
D 127					1	0	Mod instr index	
					2	1-2		
				1*	2	1-4	Replacement of reactor assembly	
				2*	1	1-4	Improved ventilation of modulator valves	
				3*	1	1-2	Correction of calibrator circuit operation	
				4*	1	1-2	Replacement of relay RLD	
				5*	1	1-2	Supply unit transformer, sleeving of capacitors	
				6*	1	1-2	Improvement of sidetone reception	
				7*	1	1-3	Replacement of C24 and two stand-off insulators on the r.f. chassis	
				8*	1	0	Supply unit, transformer, rotary, 24V, relays RLH	
				9*	1	1-5	Tuner, r.f. No 7, replacement of backplate	
				10*	1	1-2	A.F. chassis, addition of capacitor to improve starting of 100kc/s oscillator	
				11*	1	1-2	SUR 30 Mk 3 wiring changes to reduce hum	
				12*	1	1-2	A.F. chassis resistor R90 removal	
				13*	1	1-2	S.U.R. No 30 Mk 3, replacement of C125 to C127	
				14*	1	1	Oscillator sub-unit - removal of C1	
				15*	2	1-3	TRF No 7, removal of spigot	
				16*	2	1-3	SUT 24V replacement of obsolete relay (RLF)	
				17*	1	1-3	Ventilator guide, prevention of shorting	
				18*	1	1-6	RF Chassis - V5 and V6, increase of power output	
				19*	1	1-4	RF chassis semi-conductor device assembly - prevention of short-circuit	
D 129				1*	1	1-2	Change of distribution class	
				2*	1	1-2	Positioning of coaxial r.f. cable	
				3*	1	1-2	Adjustment of CALIBRATOR inductor tuning slug	
				4*	2	1-2	Supply unit, rotary, 24V, fuse FS102	
				5*	2	1	Supply unit, transformer, rotary - retaining knob bearing pin	
				6*	1	1	Prevention of heat damage to wiring of a.f. unit	
				7*	1	1-2	Antenna tuning unit No 7, soldered connection on variable inductor	
				8*	2	1-2	Modification record plate	
				9*	1	1	Repair policy	
				10*	1	1-3	M.O. compartment - adjustment of sealing gland	
				11*	1	1	Replacement of R65, R102 and R106 on failure	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				12*	1	1	Capacitor C43 - arcing ATU No 7 - use with C11 SSB ATU No 7 - Damage to terminal assy, screwed head
				13*	1	1	
				14*	1	1	
D 130					1	1-4	Transmitter, radio, D11
D 132	1				1	0-01	Data summary 150
					1	1-50	Technical description
	2				1	1001-1002	Fault finding and repair data
					4	1001-1011	
					5	1012-1013	
D 133					4	1014-1041	Unit repairs
					1	0-05	
					1	1-2	
					2	3-4	Field and base repair
					1	5-28A	
					1	29-41	
D 134					1	1001-1009	Field and base repair
					1	0-05	
					1	1-8	
					2	9-10A	Index of modifications 150
					1	11-122	
D 137					1	1001-1105	
					1	1-2	Safety interlock circuit
				1*	1	1	Premature tripping of overload relay
				2*	1	1-2	Elimination of signal lamp fluctuations
				3*	2	1-8	Power unit sub-assembly (HT2), removal of high potential from 6T1
				4*	2	1-6	Driver unit, r.f., elimination of instability at 21.999Mc/s
				5*	2	1-5	Reduction of spurious output of the r.f. oscillator
				6*	2	1-3	Meter fluctuation due to beating in the i.f. drive unit
				7*	1	0-01	Amplifier, r.f., locking of tuning control
					2	1-4	
					3	5-6	
				8*	2	1-3	Amplifier, r.f., elimination of overload trip at 10Mc/s
				9*	2	1-3	I.F. drive unit, change of keying relay
				10*	2	1-2	I.F. drive unit, reduction of input attenuation
				11*	2	1-4	I.F. drive unit, fitting of additional capacitor (C 77)
				12*	2	1-2	R.F. oscillator, improvement of c.r.o. trace
				13*	2	1-2	Modulator unit - increased range of output control
				14*	1	1-2	Drive unit, i.f. - elimination of instability
				15*	2	1	Power supply control unit - correction of error in fuse 2F55 wiring
				16*	2	1-2	Drive unit, i.f., reduction of positive feedback
				17*	1	0	R.F. oscillator unit - change to wiring of fuse holders FS1 and FS2
					2	1-7	
				18*	1	0	
					1	1-2	Modulator unit - improvement in hum level
				19*	1	1-2	Prevention of resistor R53 failure in r.f. driver unit
				20*	2	1-5	R.F. oscillator unit - changes to permit the use of low activity crystals
				21*	1	1-2	P.S.U. - prevention of tracking
				22*	1	0-01	Safety modification to cabinet wiring IF drive unit - improved locking of
					1	1-3	
				23*	1	1-2	
				24*	1	1-3	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				25*	1	1-2	inductor cores RF driver unit - replacement of capacitor C74
				26*	1	1-2	Power supply sub-assembly HT2 - Stabilizer valve 6V3
				27*	1	1-2	R.F. oscillator unit - elimination of instability
				28*	1	1	Drive unit, i.f. - variation in CV2209 valves
				29*	1	1-3	Amplifier r.f. - modification to overcome jamming of anode tuning controls
				30*	1	1-2	Power control unit, improvement of main contactor operation
				31*	1	1-2	I.F. drive unit, modification to compensate for variations in CV4014 valves
				32*	1	1-4	R.F. drive unit, change to drive cord mechanism
				33*	1	0-01	Modification to allow the intermodulation product specification to be met on s.s.b. and i.s.b.
				34*	1	0-01	Amplifier, r.f. improvement of r.f. output and earth connections
				35*	1	1-3	I.F. drive unit, improvement in reliability
				36*	1	1-3	I.F. drive unit, change necessary due to manufacturing and equipment tolerances
				37*	1	1-2	Cabinet electrical equipment, presence of dangerous voltage during maintenance
				38*	1	1-2	Oscillator r.f. crystal oven assemblies
				39*	1	1-2	Amplifier, r.f. - failure of tuning inductance tape
				40*	1	0	Alternative type of ventilating fan
				41*	1	1-5	
				41*	1	0	Power supply unit - reduction in transformer loading
				41*	1	1-4	
				42*	1	1-2	R.F. amplifier - repositioning and rewiring of C39
				43*	1	1-4	Elimination of hazard
				44*	1	1-7	Increase in hand keying speed
				45*	1	1-4	R.F. oscillator - phase locking improvement
				46*	1	1-3	HT1 rectifier unit - replacement of obsolete insulator
				47*	1	1-3	R.F. drive unit - premature failure of V5
				48*	1	1-6	Improvement in performance of drive unit i.f.
				49*	2	1-2	Drive, radio frequency - fitting improved anode connectors
				50*	1	1-2	R.F. oscillator - replacement of obsolete capacitor
				51*	1	1-5	Replacement of obsolete thermostat
				52*	1	1-4	Drive unit IF - replacement of RV7
				53*	1	1-4	Modulator unit - replacement of attenuator, fixed
D 138					1	1-24	Inspection standards
D 139				1*	1	1-2	Anode connectors
				2*	1	1-2	P.S.U., earthing of replacement capacitors
				3*	1	1	I.F./R.F. drive unit - earth bonding of connectors
				4*	1	1-2	I.F. drive unit, crystal oven thermostats
				5*	1	1	Inductor coil formers
				6*	1	1	R.F. oscillator unit - low activity crystals
				7*	1	1-2	Power supply control unit - fitting of replacement contactors
				8*	1	0	Trimming tool
					2	1-2	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				9*	1	1	Keyer frequency shift - shift convention of mark and space signals
				10*	1	1-2	Oscillator r.f. - re-routing of scale drive cord
				11*	1	1	Panel retaining screws - method of fitting
				12*	1	1	I.F. drive unit - connections to crystal oven ZA 56743
				13*	1	1-8	Sub units - re-positioning of modification labels
				14*	1	1-2	Safety interlock switches - regular checking and servicing
				15*	1	1	Driver, r.f. (Z1/ZA 56008)
				16*	1	1-3	R.F. driver unit - replacement of tuning scales and tuning drum
				17*	1	1	Replacement of resilient mountings
				18*	1	1	R.F. driver unit - breakage of switch
				19*	1	1	Drive unit IF: sideband crystal filters
				20*	1	0	Replacement of crystal oven in f.s.k. unit
					2	1-2	
				21*	1	1	Correction of error in ISPL
				22*	1	1	EMER amendments
							<u>Transmitter, radio, D13</u>
D 160					1	1-4	Data summary
D 162	1				1	0-01	Technical description
					1	1-89	
	2				1	0-02	Fault finding and repair data
					1	1001-1037A	
					1	1038-1117	
					1	2001	FORWARD coding
D 163					1	0-01	Unit repairs
					1	1-42	
					1	1001-1007	
D 164					1	0-03	Field and base repairs
					1	1-111	
					1	1001-1018	
D 167					1	1-2	Index of modification
				1*	1	1-2	Modulator unit - increase in range of output control
				2*	1	1-2	Safety modification to cabinet wiring
				3*	1	1-2	Power supply sub-assembly HT2 - stabilizer valve 6V3
				4*	1	1-2	R.F. oscillator unit - elimination of instability
				5*	1	1	Drive unit, i.f. - variations in CV2209 valves
				6*	1	1-2	Amplifier r.f., modification to overcome jamming of anode tuning control
				7*	1	1-2	I.F. drive unit, modification to compensate for variations in CV4014 valves
				8*	1	1-3	Power control unit, improvement of main contactor operation
				9*	1	1-2	I.F. drive unit - change of keying relay
				10*	1	1-3	Drive unit, i.f. - improvement in reliability
				11*	1	1-2	Oscillator, r.f., crystal oven assemblies
				12*	1	1	Amplifier r.f. - failure of tuning inductance tape
				13*	1	0	Alternative type of ventilating fan
					1	1-5	
				14*	1	1-2	Cabinet, electrical equipment, presence of dangerous voltage during maintenance
				15*	1	1-4	Power supply unit - prevention of tracking

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
D 169				16*	1	1-4	Power supply unit - reduction in transformer loading
				17*	1	1-2	R.F., amplifier - repositioning and rewiring of C39
				18*	1	1-4	Elimination of hazard
				19*	1	1-2	Replacement of i.f. choke in smoothing filter
				20*	1	1-2	Amplifier r.f. - replacement of p.a. filament wiring
				21*	1	1-4	RF oscillator - phase locked oscillator tuning
				22*	1	1-3	HTL rectifier unit - replacement of obsolete insulator
				23*	1	1-3	RF drive unit - premature failure of V5
				24*	1	1-9	Increase in handkeying speed
				25*	1	1-6	Improvement in performance of drive unit i.f.
				26*	1	1-2	Driver, r.f. - fitting improved anode connectors
				27*	2	0	RF oscillator - replacement of obsolete capacitor
				28*	1	1-5	Replacement for an obsolete thermostat
				29*	1	1-4	Drive unit IF - replacement of RV7
				30*	1	1-4	Modulator unit - replacement of attenuator, Fixed.
				1*	1	1-2	Power supply sub-assembly (H.T.2) - labelling of pre-set control 6RV1
				2*	1	1-2	Differences between TD13 and TD11
				3*	1	1	Keyer frequency shift - shift convention of mark and space signals
				4*	1	1-2	Safety interlock switches - regular checking and servicing
				5*	1	1	Driver radio frequency Z1/ZA 56008
				6*	1	1-3	RF driver unit - replacement of tuning scales and tuning drums
			7*	1	1	RF driver unit - breakage of switch	
			8*	1	1	Replacement of resilient mountings	
			9*	1	1	Drive unit IF: sideband crystal filters	
			10*	3	1-2	Replacement of crystal oven in f.s.k. unit	
			11*	1	1	Correction of error in ISPL	
						<u>Wireless sender C41</u>	
D 400					1	1-3	Date summary 15H
							<u>Transmitter, radio, 214E/F</u>
D 460					1	1-2	Data summary 15V
D 462					1	1-22	Technical description
					1	1001-1022	
					1	2001	FORWARD coding
							<u>RECEIVERS, RADIO</u>
							<u>Reception set R209</u>
E 260					1	1-2	Data summary 16I
E 262					1	1-9	Technical description
					2	1001	
					1	1002-1004	
E 263					1	1-9	Unit repairs
					1	1001-1002	
E 264					1	1-23	Field and base repairs
					1	1001	
E 269				1*	1	1	Rewiring connections to vibrator power supply unit
				2*	1	1-2	Alteration to loudspeaker cover retaining knob

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				3*	1	1	Redesignation of EMERs
				4*	1	1	Redesignation of EMERs
				5*	1	1	Warning notice
							<u>Reception set R 209, Mk 2</u>
E 270					1	1-2	Data summary
E 272					1	1-12	Technical description
					1	1001-1010	
					1	2001	FORWARD coding
E 274					1	0	
					1	1-25	
					1	1001	
E 277				1*	1	1-2	Change of dial locking device
				2*	2	1-2	Correction of operation of neon stabilizer
				3*	1	1-3	Coaxial cable terminations
E 279				1*	1	1-2	Redesignation of EMERs
				2*	1	1	Redesignation of EMERs
				3*	1	1	Redesignation of EMERs
				4*	1	1	Fitting of loudspeakers
				5*	1	1	Rough c.w. note
				6*	1	1-2	Fuse F1
							<u>Reception set R210</u>
E 280					1	0	Data summary
					2	1-2	
E 282	1				1	0	Technical description
					2	1-2	
	2				1	3-19	
					2	0-01	Fault finding and repair data
					2	1001-1002	
					2	1003-1003A	
					2	1004-1004A	
					2	1005-1005A	
					1	1006-1034	
					2	1035-1036	
					1	2001	FORWARD coding
E 283					1	1-2	Unit repairs
E 284					1	0-07	Field and base repairs
					2	1-4	
					1	5-36	
	3				1	1001-1034	
					1	0-01	Automatic testing, field and base
					1	1-19	
					1	1001-1004	
E 287					1	1-2	Index of modifications
				1*	2	1-2	Wiring of relay RLA/4
				2*	1	0	Replacement of feed-through capacitors in the d.c. p.s.u.
					1	1-3	Reduction in amplitude of spurious calibration signals
				3*	1	1-2	Conversion for single sideband operation
				4*	1	0	
					1	1-4	
				5*	1	0	Addition of three identification plates and a modification record plate
					1	1-4	R.F. unit change of inductor L19
				6*	2	1-3	R.F. unit - change of aerial coil, L33
E 288				7*	1	1	Inspection standards
					1	0	
					1	1-8	
E 289				1*	1	1-2	Redesignation of EMERs
				2*	1	1-2	Change of distribution class
				3*	1	1-2	Prevention of accidental damage to film scale
				4*	1	1	Film scale alignment
				5*	1	1-2	Desiccators
				6*	1	1-2	Relay RLB operation check

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
							<u>Receiver, radio, R213</u>
E 320					1	1-3	Data summary
E 322					1	0-01	Technical description
					1	1-6	
	2				1	1001-1030	
E 323					1	2001	FORWARD coding
E 324					1	1-5	Unit repairs
					1	0-01	Field and base repairs
					2	02	
					1	03	
					1	1-10	
E 328					1	1001-1008	
E 329					1	1-11	Inspection standards
				1*	1	1-2	Design variations in Mk 2 equipments
				2*	1	1	Capacitor replacements for i.f. and discriminator transformers
				3*	1	1-2	I.F. transformers - replacement types
				4*	2	1-2	DC supply plug and socket and a.c. shorting plug - replacement
				5*	1	1	Inductor units - 'Crazing' of transparent insulating material
				6*	1	1	Specification tests - use of signal generator No 18 (CT402)
							<u>Reception set R216</u>
E 380*							
to							
E 389*							
							<u>Reception set R222</u>
E 500*							
E 509*							
							<u>Receiver, radio, R230</u>
E 580					1	1-3	Data summary
E 582	1				1	0-02	Technical description
	2				1	1-82	
					2	1001-1026	Fault-finding and repair data
					3	1027-1028	
					2	1029-1045	
					3	1046-1047	
					2	1048-1060	
					3	1061-1062	
					2	1063-1064	
					3	1065-1068	
					2	1069-1082	
					1	2001	FORWARD coding
E 583					1	1-51	Unit repairs
E 584					1	1-92	Field and base repairs
					1	1001-1005	
E 587					1	1-2	Index of modifications
				1*	1	1-2	Fitting of instruction plate to SSB unit
				2*	2	1-5	S.S.B. unit - local carrier input attenuator
				3*	2	1-3	Power supply unit - strengthening of front panel
				4*	2	1-4	S.S.B. unit, discriminator tuning capacitor C76
				5*	1	0-01	Improved locking of dust iron inductor cores
					2	1-2A	
					1	3-5	
				6*	1	1-3	Fitting of socket to distribution unit and a lead to receiver cabinet
				7*	2	1-6	Modification to telegraph unit type

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
E 589				8*	1	1-4	5413A S.S.B. unit - change of value of local carrier input attenuator
				9*	1	1-5	SF/IF unit - addition of attenuator
				1*	2	1-2	Trimming tool
				2*	1	1-4	Sub-units, repositioning of modification labels
				3*	1	1-3	SF/IF unit - replacement variable capacitors
				4*	1	1	Replacement of resilient mountings
							<u>Receiver, radio, R234</u>
E 610					1	1-3	Data summary
E 612	1				1	1-101	Technical description
	2				2	0	Fault-finding and repair data
					1	1001-1091	
E 613					1	2001	FORWARD coding
					1	0	Unit repairs
					1	1-22	
					1	1001-1002	
E 614					1	0-03	Field and base repairs
					1	1-115	
					1	1001-1004	
E 617					1	1-2	Index of modification
				1*	1	1-2	Calibrator unit, resistor R111
				2*	2	1-3	Telegraph unit R234 - re-routing of grid lead of valve V3
				3*	2	1-3	S.F./I.F. unit - switch SB9
				4*	2	1-4	S.S.B. unit, discriminator tuning capacitor C76
				5*	2	1-4	Telegraph unit, fitting of resistors to prevent spurious oscillations
				6*	2	1-3	SF/IF unit - reduction of 4Mc/s crystal activity
				7*	1	1-4	S.S.B. unit - change of value of local carrier input attenuator
				8*	1	1-3	Telegraph unit - uprating resistors R96 and R97
				9*	1	1-6	Telegraph unit, transformer replacement
E 619				1*	1	1	Distribution unit and receiver cabinet modification
				2*	1	0-01	Sub-units- repositioning of modification labels
					1	1-4	SF/IF and telegraph units - improved reliability
				3*	1	0	Replacement of resilient mountings
					1	1-2	Fuses FS1 and FS2, replacement by anti-surge types
				4*	1	1	Harness cable ZA 56570
				5*	1	1	
				6*	1	1-2	
							<u>Receiver radio SR250B-1</u>
E 659				1*	1	1-2	SR250B-1 - RF tuner SH200-2, tuner drive shaft failure
							<u>Receiver radio SR-209 B/C</u>
E 667				1*	1	1-2	Frequency readout unit - improved ventilation and readout reliability
				2*	1	1	Tuning unit r.f. - reduction of l.o. harmonic content
				3*	1	1-2	Receiver power supplies - maximum current limiting
				4*	1	1	Improved ventilation of receiver chassis

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
							<u>Receiver radio RS 2090</u>
E 670					1	1-3	Data summary
E 672					1	2001-2002	FORWARD coding
E 676					1	1-12	Repair charts
E 677				1*	1	0	RF modules - fitting of improved mixer p.e.c.
					1	1	RF modules - fitting of improved mixer p.e.c.
				5*	1	1	The change of the carrier operated relay function and addition of muting facility
				6*	1	1	Head tuner assembly change of tuner box and coil, former dimension
				7*	1	1	Power supply - reduction of ripple on +5 supply line
				8*	1	1-6	Introduction of new standard NATO labels
E 679				2*	1	1-2	Switch rotary 323/5930-99-634-0376
				3*	1	1	Incorrect spindle length
							Receiver RA 2091A, introduction of a diode D12
							<u>Receiver, radio, R301</u>
E 680					1	1-3	Data summary
E 682					1	1-10	Technical description
					1	1001-1007	
					1	2001	FORWARD coding
E 689				1*	1	1	Replacement i.f. transformers
				2*	1	1-2	Anti-tamper strip simplification
							<u>Receiver system RS 160</u>
E 690					1	1-4	Data summary
E 696					2	0	Repair charts
					1	1-11	
							<u>Receivers, radio, Racal, type RA17</u>
E 720					1	1-3	Data summary
E 722	1				1	1-14	Technical description
	2				1	1001	
					1	0	Fault finding and repair data
					1	1001-1033	
E 723					1	2001	FORWARD coding
					1	0	Unit repairs
E 724					1	1-6	
					1	0	Field and base repairs
E 727					2	1-29	
					1	1-2	Index of modifications
				1*	2	1-2	Increase in rating of resistor R119A
				2*	2	1-2	Increase in rating of resistor R55
				3*	1	1-3	Isolation of plug PL5 from h.t. voltage
				4*	1	1-2	Variation of i.f. sensitivity
				5*	2	1-4	Isolation of h.t. from the tuning capacitor
				6*	1	1	Cancellation of nominated modification
				7*	1	1-4	Fitting of a mechanical stop to C18
				8*	1	1-2	Replacement of resistor R133
				9*	1	1-2	Improvement of noise factor above 24Mc/s and the audio response of 13kc/s bandwidth
				10*	1	1-2	2nd v.f.o. unit capacitor shield
				11*	1	1	Spurious response at 26Mc/s
				12*	1	1-2	Reduction of mains borne interference
				13*	1	1-3	Replacement of tuning dial brake shoes
				14*	1	1-3	Smoothing choke inductor L80
				15*	1	1-2	Replacement of switch SD
				16*	1	1-2	Fitting of a warning label

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				17*	1	1-2	Replacement of V24
				18*	1	1-2	Replacement of variable capacitors (C232-C237)
				19*	1	1	Replacement of R119A, R124 and R136 in future production only
				20*	2	1-2	Replacement of obsolete rectifier MR1
					1	3	
				21*	1	1-4	Fitting of anti-surge fuse in the h.t. line
				22*	1	1	Change of value of capacitor C25
				23*	1	1-2	Output transformer - sleeving of terminals
				24*	1	1	Change of rating of resistor R69
				25*	1	1	Change of transformer r.f. and resistors R63, 64 in crystal filter unit
				26*	1	1	Provision of mechanical end stop for the r.f. range switch
				27*	2	1-7	IF crystal filter - replacement of obsolete input transformer
				28*	2	1	Introduction of 12pF capacitor when Brookes crystals are fitted
				29*	1	1-5	Filters, band pass - replacement of unsatisfactory capacitors
				30*	1	1-5	Fitting of anti-surge fuses
E 728					2	0	Inspection standard
E 729					1	1-18	
				1*	1	1-2	Switch wafer securing nuts
				2*	3	1	Modification record plate numbers
				3*	1	1	Dial locking arm pads
				4*	1	1-2	Breakage of lead-out wires of L61 and L62
				5*	1	1	Removal of earth connections
				6*	1	1-2	Substitution of resistor R78
				7*	1	1	Blurring of film scale markings
				8*	1	1-2	Capacitor C18 in Mk 2 equipments
				9*	1	1	Change of filter covers
							<u>Receiver, radio, Telefunken, type PST6 38</u>
E 730					1	1-2	Data summary
E 734					1	0	Field and base repairs
					1	1-4	
E 737				1*	1	1	Protection against reverse d.c. voltage
				2*	1	1	Antenna cross-loop HF/DF No 2 - Failure of antenna-systems due to the ingress of moisture and icing
							<u>Reception set, Eddystone, 730/4 (Z4/ZA 51262)</u>
E 740					1	1-2	Data summary
E 742	1				1	1-11	Technical description
	2				1	0-01	Fault-finding and repair data
					1	1001-1017	
					1	2001	FORWARD coding
E 743					1	1-4	Unit repairs
E 744					1	0-02	Field and base repairs
					1	1-26	
					2	27	
E 748					2	1-9	Inspection standards
E 749				1*	2	1	750mA fuses
				2*	1	1-2	Adjustment and lubrication of tuning drive
				3*	1	1	Possible damage to cursor guide

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				4*	1	1	S-meter zero adjustment potentiometer
				5*	1	1	Distribution amendment
				6*	1	1	Change of part number
				7*	1	1-2	R64, resistor check
				8*	2	1-2	DC supply plug and socket and a.c. shorting plug - replacement
				9*	1	0	Rear panel - protection of plugs
					1	1	
							<u>Radio station UK/TRR-328</u>
E 780					1	1-3	Data summary
E 782					1	1-20	Unit and field repairs
					1	1001-1009	
					1	2001	
							<u>Receiver, radio, Racal RA329B</u>
E 790					1	1-3	Data summary
E 794					1	1-11	Field and base repairs
E 797				1*	1	1	Receiver, type RA 217D-parasitic oscillation suppression
				2*	1	1-3	Demodulation and terminating unit - removal of capacitor C6 and fitting ferrite beads
				3*	1	1-2	Receiver, radio, RA217D - change of lampholders
				4*	1	1-2	Frame, electrical equipment, MA322 - to minimise
				5*	1	1	RA217D - fitting of modified 2nd VFO PEC
				6*	1	1	RA217D - Detector board, provision of a 270pF capacitor
				7*	1	1	Receiver, radio, Racal RA217D
				8*	1	1-3	RA217D - replacement of DI and associated bracket assembly
				9*	1	1-3	Receiver radio RA217D - replacement of components VT3 and C10 on 1MHz amplifier board
				10*	2	1-3	RA217D - replacement of obsolete transistor CV10576
				11*	1	1	RA217D - rerouting of earth connection
				12*	1	1	RA217D - modification to i.f. unit
				13*	1	1-3	RA217D - access to RV1 for voltage adjustment
				14*	1	1	RA217D - addition of capacitors 2C9 and 2C10
				15*	1	1-3	3rd mixer stage - replacement of 1R1 on failure
				16*	1	1-5	2nd VFO buffer amplifier board - replacement of R14, R15, and R16
				17*	1	0	RA 217D fitting of new modification record plate
				18*	1	1-2	Radio-receiver RA217D - fitting a 1MHz oscillator/calibrator-board, indicator, and electronic-shielding- beads
					1	1-5	Receiver, radio RA217D - rationalisation of capacitor 1C7 fitting
				19*	1	1-3	Replacement of p.e.c. Z1/5820-99-198-1478 on failure of VT2
				20*	1	1-2	Replacement of p.e.c. Z1/5820-99-194-4898 on failure of VT1
E 799				1*	1	0	Receiver, radio RA217D
					1	1	
				2*	1	1	Receiver, radio R217D - replacement of CV9920
				3*	1	1	RA217D - replacement of VT2 and VT3 in radio frequency unit
				4*	1	1	Frame electrical equipment - re-location

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				5*	2	1	of serial number plate
				6*	1	1-2	Amendment to manufacturers handbook
				7*	2	1-3	RA 217D - removal of knobs
				8*	1	1	System maintenance manual amendment
				9*	1	1	PU410 - replacement of obsolete diode
				10*	1	1	MA323 - Replacement of obsolete capacitors
				11*	1	1-2	RA217D - Replacement of obsolete diode
							RA 217D - replacement of obsolete capacitor
							<u>Receiver, radio, Racal, type RA117</u>
E 800					1	1-4	Data summary
E 802					1	0-01	Technical description
					1	1-14	
					1	1001-1041	
	2				1	2001	FORWARD coding
E 803					1	1-6	Unit repairs
E 804					1	1-30	Field and base repairs
E 807				1*	1	1-2	Power supply - increased rating of R136
				2*	1	1-3	Replacement of V24
				3*	1	1-3	Fitting 500mA fuse in position FS2
				4*	1	1-3	Replacement of variable capacitors
				5*	1	1	Replacement of R119A, R124 and R136
				6*	1	1	Replacement of transformer, radio
							frequency and change of value of resistor
							R64 in the filter band pass.
				7*	1	1	Bonding of aerial in put socket
				8*	1	1	Change of C2A and C10A when Brookes
							crystals are fitted
				9*	1	1-4	Replacement of obsolete rectifier MRI *
E 809				1*	1	1	Z1/6130-99-943-6183
				2*	1	1	Change of filter covers
							Change of capacitor C197
							<u>Receiver RA 1772</u>
E 820					1	1-4	Data summary
E 826					1	1-7	Repair chart
							<u>RADIO STATIONS, A SERIES AND I</u>
							<u>NOMENCLATURE TRANSMITTER-RECEIVER</u>
							<u>Station, radio A13</u>
F 140					1	0	Data summary
F 142	1				2	1-5	Technical description
					2	0	
					3	1-78	
	2				3	1001-1004	Fault finding and repair data
					1	0-02	
					4	1001-1145	
F 143					1	2001-2002	FORWARD coding
					2	1-4	Unit repairs
F 144					2	1001-1011	Field and base repairs
					2	0 -02	
					1	03-07	
					2	1-4	
					4	5-6	
					2	7-85	
					3	86	
					1	87-109	
	3				3	1-26	Automatic testing, field and base
						1001-1006	
F 146					3	1-2	Centrem
F 147					2	1-3	Index of modification
				1*	1	1-3	Reduction of r.f. amplifier cross

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				2*	1	1-2	modulation
				3*	2	1-4	Wiring corrections to tag strip TS.0 correction of frequency instability in second local oscillator
				4*	1	1-2	Alteration in value of resistor 21R7
				5*	1	1-2	Change in value of resistor 24R5
				6*	1	1-2	Change of PLA and SKA spacers
				7*	1	1-6	Improvement of phase modulation sensitivity
				8*	1	1-3	Film scale unit - replacement of guide plate for mc/s film-blind
				9*	1	0	Replacement of capacitor 28C3 by diode, CV1040
					1	1-3	
				10*	1	1	Generator, d.c., addition of CV732A and CV7040
				11*	1	1-4	Addition of bushes to prevent movement of film scale
				13*	1	1-7	Panel electronic - improved power output
				14*	1	1-3	Board 18-A.M. distortion of 8M/cs
				15*	1	1-3	RFA No 12 Mk 2 - addition of CV7040
				16*	1	1-3	Fitting of heat shrunk sleeves
				17*	1	1-4	TRA 13 - roll pin replacement by spring pin
				18*	1	1	RFA No 12 Mk 1 and TRF - replacement of control knobs
				19*	1	1	Printed circuit, replacement of connectors
				20*	1	1-2	Replacement of adjustable tuning core in the m.o. coil
				21*	1	1	Replacement of battery securing straps
				22*	1	1-3	Printed circuit board No 22 - replacement of resistor 22R8
				23*	1	1-5	Panels, electronic circuit, addition of capacitors
				24*	1	0	Stabilizer voltage, improved stabilization and seating of TR5
					1	1-3	
				25*	1	1-5	Harness adaptor, change of fuse circuit
				26*	1	1-4	Fitting an instruction and extended mod record plates
				27*	1	0	Antenna and frame assembly, addition of strain relief device
					1	1-2	
				28*	1	1	Generator, d.c. fitting of collar, shaft assembly
				29*	1	1-2	Board No 18, exchange of 18C6
				30*	1	0	TRA13 - addition of resistor 27R25
					1	1-3	
				31*	1	1-3	Board 13 - replacement of transistor
				32*	2	1-2	Harness adaptor unit Mk 2 - addition of protective washers
				33*	1	1-3	Control knobs - replacement
				34*	1	1-3	Board 11 - replacement of CV 7050 on failure
				35*	1	1-3	Panel electronic circuit (board 12) - replacement of CV7238
				36*	1	1-3	Voltage stabilizer - addition of R11
				37*	1	0	Intermittent failure to capture at 8MHz - elimination
					1	1-8	
				38*	1	1-3	Replacement of capacitor 27C1
				39*	1	1-4	Board No 19 - replacement of transistors 19TR3 and 19TR4
				40*	1	1-3	Headset, microphone, SI type, junction box and switch unit-replacement of plunger bush and push-button
				41*	1	0	Relay and supply sub-assembly - voltage protection device
					1	1-9	
				42*	1	1-4	Boards 1,3,5 and 9 - replacement of CV7390
				43*	1	1-2	Board 19 - removal of D3
				44*	1	1-7	Panel, electronic circuit - addition of 2 resistors and 1 capacitor
				45*	1	1-3	Board 26 - replacement of capacitor 26C1

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
F 149				46*	1	1-4	Board 5 - reduction of instability in 2nd l.o.
				1*	1	1	Production changes
				2*	1	1	Undersize carrier locating dowel holes on transmitter-receiver, radio, A13 (TRA13)
				3*	1	1	Low output power on certain equipments
				4*	1	1	Panels, electronic circuit - marking after repair
				5*	1	1-2	Measurement of r.f. power at 8Mc/s
				6*	2	1	Introduction of an alternative band-pass filter
				7*	1	1	Chassis assembly - tab removal of relay washer
				8*	1	1	Key telegraph - failure to operate
				9*	1	1	Battery retaining clip - assembly method change
				10*	1	1-2	Cableform - damage due to incorrect supply voltage and/or handset
				11*	1	1-2	Carrying frame, electrical equipment - repositioning of shoulder straps
				12*	1	1	Board 21 - fitting of diodes
				13*	1	1-2	Board 16 - fouling of tag strip TSC
				14*	1	1-2	Tuner r.f. antenna
				15*	1	1-2	Board 19 - repositioning of R7
				16*	1	1	H.A.U. - failure of b.f.o. to provide specification voltage
				17*	2	1	Voltage stabilizer-dirty relay contacts
				18*	1	1	Incorrect marking of indicator plates
				19*	1	1	TRA13, board 1a - change of core adjuster
			20*	1	1-2	Distortion of main gang capacitor (CI)	
						<u>Station, radio, A14</u>	
F 160					1	1-4	Data summary
F 162	1				1	1-29	Technical description
	2				1	0-06	Fault finding and repair data
					2	1001-1002	
					1	1003-1039	
					1	1039A-B	
					1	1040-1041	
					1	1041A-1041B	
					1	1042-1043	
					1	1043A-1043B	
					1	1044-1045	
					1	1045A-1045B	
					1	1046-1047	
					1	1047A-1047B	
					1	1048-1049	
					1	1049A-1049B	
					1	1050-1053	
					1	1053A-1053B	
					1	1054-1057A	
					1	1058-1069	
					2	1070	
					1	2001	FORWARD coding
F 163					1	1-2	Unit repairs
F 164					2	0-01	Field and base repair
					1	02	
					1	1-58	
					3	59-60	
					2	61-62	
					1	63-88	
F 166					1	0-01	Centremms
					2	1	
F 167				1*	1	1-2	Module J-CW signal-to-noise ratio
				2*	1	0	Amplifier r.f. - use of alternative output transistor, VI1
				1	1	1-2	TRA14 - module L, improved performance
				3*	1	1	

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				4*	1	1-2	Antenna and support assembly-strengthening of terminations
				5*	1	1-6	Modules A, D, G and K - change of type and value of resistors
				6*	1	1	Amplifier r.f. - RLA type change
				7*	1	1-2	Amplifier r.f., capacitor C27 - addition
				8*	1	1-3	Hand generator-fitting higher working voltage capacitor C2
				9*	1	1-3	Headset, microphone, SI type, junction box and switch unit replacement of plunger bush and push button
				10*	1	0	Modulator circuits - component changes
					1	1-3	
				11*	1	0	Hand generator - r.f. interference suppression
					1	1-4	
				12*	1	0	Replacement of VT1, VT2, VT25 and VT26
					1	1-4	
				13*	1	0	Replacement of Modules M, G or J
					1	1	
				14*	1	1-2	Increased rating of fuses FS2 and FS3
				15*	1	1-2	Hand generator - change in value of R5
				16*	1	1-3	Amplifier r.f. - replacement of RV1
				17*	2	1-5	Replacement of self-adhesive modification/identification labels
				18*	1	1-2	Aerial tuning unit No 15 and 15/1
				19*	1	1-2	Crystal harness
				20*	1	1-2	Module 'N' - overriding of tab washers
				21*	1	1-3	Module 'L' - overheating of resistor R143
				22*	1	1-3	Improved method of securing coaxial sockets
				23*	1	1-4	Module 'C' - replacement of VT24 (2N696)
				24*	1	1	Hand generator - replacement of OC35 transistor
				25*	1	1-3	Replacement for CV8345 transistor
				26*	1	1	Module L; replacement of Wima capacitor (C66)
				27*	1	1-3	Improved reliability of float charge lead (5995-99-106-0646)
				28*	1	1	Toroidal sealing rings
				29*	1	1-3	Braid wearing on dipole aerial
				30*	1	1	Tuner radio frequency antenna - replacement - of obsolete indexing mechanism
F 169				1*	1	1-2	Sub-assembly modification state 14H
				3*	1	1	Amplifier r.f. - change to transistor VT6
				4*	1	1-2	Securing buckle - chapes on shoulder straps
				5*	1	1	Module A, insertion of crystal units
				6*	1	1	Module N, reversal of gear wheel
				7*	2	1-2	Module 'B' - fitting new type
				8*	1	1	Frequency scale drum-replacement of securing screws
				9*	1	1	Hand generator - fitting of adjustable lens cap for night operations
				10*	1	1-2	Fitting of new type flexible couplings
				11*	1	1	Instability of VT1 in the amplifier r.f.
				12*	1	1	Module 'N' - replacement of obsolete coupling shaft, flexible
				13*	1	1	Amplifier r.f. No 1 - replacement of capacitors
				14*	1	1-2	Module M, replacement of pin board by printed circuit type
				15*	1	1-2	Module K, replacement of pin board by printed circuit type
				16*	1	1-2	Module J, replacement of pin board by printed circuit type
				17*	1	1	Module G, replacement of pin board by printed circuit type
				18*	1	1-2	Module D, replacement of pin board by printed circuit type

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				19*	1	1-2	Module C, replacement of pin board by printed circuit type
				20*	1	1	Hand generator - change of dowel pins
				21*	2	1	Core retaining compound, MS2241
				22*	1	1	Faulty eyelets on terminal board
				23*	1	1-2	Interchangeability of printed boards and pin boards
				24*	1	1-2	Improvement of contact between plugs and battery sockets
				25*	1	1	Modules F and G - replacement of obsolete diode
				26*	1	1-2	Amp r.f. No 1 - replacement of obsolete variable resistor
				27*	1	1	Headset microphone - introduction of limit stop mechanism on microphone boom and strengthening of microphone shell
							<u>Station, radio, B.C.C., type HF 156</u>
F 190					1	1-3	Data summary
F 192	2				1	1-11	Technical description
					1	0-01	Fault-finding and repair data
					1	1001-1015	
					1	2001	FORWARD coding
F 193					1	1-3	Unit repairs
F 194					1	0-01	Field and base repairs
					1	1-10	
F 199				1*	1	1001-1008	
				2*	1	1-2	Prevention of battery spillage
						1	Power supply unit - capacitor C5 replacement
							<u>Station radio UK/PRC - 316</u>
F 200					1	0	Data summary
					1	1-3	
F 202	1				1	0	Technical description
	2				1	1-18	
					2	0-01	
					2	1001-1040	
					2	1040A-1040B	
					2	1041-1042	
					2	1042A-1042C	
					2	1043-1045	
					3	1046	
					2	1047-1050	
F 203					1	2001	FORWARD coding
F 204					1	1-8	Unit repairs
					1	0	Field and base repairs
					1	1-36	
					1	1001	
F 206					2	1	Centremes
F 207				1*	1	1	Production modifications
				2*	1	1-2	Change of sealing washer
				3*	1	0	D2 board - addition of de-coupling capacitor
					1	1-3	Changing crystal cassette assembly
				4*	1	1-3	Antenna - addition of marker straps
				5*	1	1-4	Panel electronic circuit capacitor change
				6*	1	1-3	Increasing height of telegraph key cap
				7*	1	1-3	Addition of protective external corner pillars
				8*	1	1-5	Antenna securing and strain relief
F 209				9*	1	1-5	Plate clamp - Z1/5820-99-193-5549
				2*	1	1	Offset unit; D2 board
				3*	1	1	Change of module D3ML - multivibrator in production only
				4*	1	1	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				5*	1	1	production only Battery, dry, 16V, Y3/6135 -99-106-1769 (Mallory type 401107)
				6*	1	1-2	RF screening cover - cut away locally to eliminate shorting
F 360*							<u>Wireless set No 31</u>
to							
F 369*							
F 380*							<u>Wireless set, No 31, Mk 2</u>
to							
F 389*							
F 460							<u>Station, radio, A40</u>
F 462	1					1-4	Data summary 14M
	2					1-12	Technical description
						0-01	Fault-finding and repair data
						1001-1002	
						2 1003-1004	
						1 1005-1024	
						2 1025-1028	
						1 1029-1030	
F 463						1 2001	FORWARD coding
						1 0	Unit repairs 14M
						1 1-8	
						1 1001	
F 464						3 0	Field and base repairs
						1 01	
						1 1-28	
	3					1 1001-1002	
						1 1-19	Automatic testing, field and base repairs
F 467						1 1001-1008	Index of modifications
						1 1-2	Retention device for audio plug
				1*	1	1-2	
						1 1-2	
				2*	2	1-3	Replacement of antenna socket
				3*	1	1-5	Modification of webbing harness
				4*	1	1-4	Coupler antenna - prevention of coil connection breakage
				5*	1	1-2	Replacement of certain enamelled leads
				6*	1	1-3	Main chassis-fitting of a No 8 BA crinkle washers
F 468						1 0	Inspection standards
						1 1-5	
F 469				1*	1	1-2	Redesignation of EMERs
				2*	1	1-2	Use of telephones and headset having modified plugs
				3*	1	1	Loosening of aerial socket
				4*	1	1	Alternative valves
				5*	1	1	Replacement front panel castings
				6*	1	1-2	Attachment of aerial socket cover
				7*	1	1-2	Insulation of plug-in units
				8*	1	1-2	Antenna socket maintenance
				9*	1	1-2	Coupler, antenna, 50 ohms - prevention of antenna socket post rotating
				10*	2	1	Wafer switch, screen and neutralizing assembly
				11*	1	1-2	Treatment of defective 'plug-in' units
				12*	1	1-5	Replacement of dual capacitors, C12, C13, C40, C42 and C109, C119
				13*	1	1	Capacitors semi-fixed - ZA 45807

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				14*	1	1	Mixer, i.f. limiter - replacement valves
				15*	1	1-3	Repair of antenna Z1/5820-99-117-4217
				16*	1	1	Front panel - replacement of co-axial socket
				17*	1	1	Audio amplifier - replacement of CV 4092
							<u>Station, radio, A41, No 1 and 2</u>
F 480					1	0	Data summary 14N
F 482	1				2	1-6	Technical description
					1	0-02	
					3	1-2	
					2	3-30	
	2				1	0-012	Fault finding and repair data
					3	1001-1002	
					2	1003-1055	
					3	1056-1057	
					2	1058-1059	
F 483					1	2001	FORWARD coding
					1	1-10	Unit repairs
F 484					1	1001	
					4	0-01	Field and base repairs
					1	02-05	
					4	1-4A	
					3	5-8	
					4	9-10	
					3	11-34	
					4	35-36	
					3	37-62	
					1	1001-1002	
					2	1003-1004	
					1	1005-1020	
					2	1021-1022	
					1	1023-1038	
					3	1039	
	3				1	0	Automatic testing, field and base
					1	1-16	
F 487					2	1001-1002	
					1	1-2	Index of modifications
				1*	2	1	Pinning of antenna socket
				2*	2	1-2	Replacement of antenna socket
				3*	1	1-3	Remote antenna cable assembly
				4*	1	0	Component changes to facilitate channel calibration
					2	1-2	
				5*	1	1-2	Introduction of improved inductor assembly
				6*	1	1-4	Changing to a 'fixed on set' type battery plug
				7*	1	1-2	Replacement of antenna socket spacer
				8*	1	0	TRA41, No 2 - Maintenance of calibration signal strength
					1	1-2	
				9*	1	1-3	Decoupling of r.f. pick up
				10*	2	1-2	Rebroadcast unit - improvement of sensitivity
				11*	2	0-01	Improved plug for 4 ft 6 in. cable assembly
					1	1-3	
				12*	1	1-4	Coupler, antenna, prevention of coil connection breakage
				13*	1	1-2	Crystal calibrator - change of resistor R166
				14*	1	1-3	Modification of battery case
				15*	1	0	Window assembly, reduction in height
					1	1-3	
				16*	1	1-3	Replacement of obsolescent capacitors C5/C6, C8/C9
				17*	1	1-2	Replacement of modification record

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				18*	1	0	labels SRA 41 No 2 - introduction of clamp on battery lead
					1	1-2	
				19*	1	1-3	Cable assembly special purpose electrical (Z1/5820-99-105-6134)
				20*	1	1-2	Replacement of calibrator board
					2	3-4	
				21*	1	1-4	Chassis sub-assembly, capacitor replacement
				22*	1	1-4	Concentric trimmer capacitor replacement
F 488					1	0-04	Inspection standards
F 489					1	1-10	
				1*	1	1-2	Plug-in i.f. units
				2*	1	1-2	Marking of certain valveholders
				3*	1	1-2	Battery plug
				4*	1	1	Battery plug rivets
				5*	1	1-2	Antenna cover chains
				6*	1	1	Avoidance of valve burn-out due to defective batteries
				7*	2	1-2	Indicators, condition, radio set A41/A42
				8*	1	1-2	Audio socket connections
				9*	1	1-2	R.F. sub-assemblies - prevention of possible short-circuit
				10*	1	1-2	Replacement of L5 (inductor, r.f.)
				11*	1	1-2	Prevention of antenna socket short circuits
				12*	1	1-2	Treatment of defective 'plug-in' units
				13*	1	1	Lubricant for rubber seals
				14*	1	0	Sensitivity testing, alternative method
					1	1	
				15*	1	1	Transmitter receiver - cursor indicator
				16*	2	1	Battle batteries, high usage
				17*	1	1-2	TRA41-Mechanical alignment on re-assembly
				18*	1	1	Plate instruction
				19*	2	1	Knobs - method of securing
				20*	1	1	Replacement of valve holder
				21*	1	1-2	Repair of antenna Z1/5820-99-117-4217
					2	3	
				22*	1	1	Front panel securing screws
				23*	2	1-3	Special tools for removal of aerial sockets
				24*	1	1	Rebroadcast unit - replacement of obsolete capacitor
				25*	1	1	Relay unit Z1/5820-99-949-7392 - replacement of obsolete capacitor
				26*	1	1-3	I.F. Amplifiers - replacement of obsolete capacitor
				27*	1	1-2	Replacement of obsolescent valves
				28*	1	1-3	A41 No 1 - Audio socket assembly repair
				29	1	1	Amplifier, intermediate frequency (Z1/5820-99-949-0129)
							<u>Station, radio, A42, No 1 and 2</u>
F 500					2	1-4	Data summary
F 502	1				2	1-2	Technical description
					1	3-24	
	2				3	0-01	Fault-finding and repair data
					1	02-06	
					2	1001-1002	
					1	1003-1024	
					2	1025-1042	
					2	2001	FORWARD coding
F 503					1	1-9	Unit repairs
					1	1001	
F 504					2	0-01	Field and base repairs

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
F 507	3				1	02-014	
					3	1-4A	
					1	5-6	
					2	7-8	
					1	9-12	
					2	13-14A	
					1	15-18	
					2	19-20	
					1	21-28	
					2	29-31	
					1	32-51	
					1	1001-1002	
					2	1003-1004	
					1	1005-1020	
					2	1021-1022	
					1	1023-1040	
					1	0-01	Automatic testing, field and base
					1	1-16	
					2	1001-1002	
					1	1-2	Index of modifications
				0	1	1	Suspension of EMER modification instruction
				1*	1	1-3	Pinning of antenna socket
				2*	2	1-2	Replacement of antenna socket
				3*	1	1-3	Remote antenna cable assembly
				4*	1	0	Component changes to facilitate channel calibration
			2	1-2			
		5*	1	1-2	Introduction of improved inductor assembly		
		6*	1	1-4	Changing to a 'fixed on set' type battery plug		
		7*	1	1-2	Replacement of antenna socket spacer		
		8*	1	1-2	Rebroadcast unit - improvement of sensitivity		
		9*	1	0-01	Improved plug for 4 ft 6 in. cable assembly		
			1	1-3			
		10*	1	1-4	Coupler, antenna - prevention of coil connection breakage		
		11*	1	0	Battery case modification for use in sub-zero temperatures		
			1	1-3			
		12*	1	1-3	Window assembly, reduction in height		
		13*	1	1-3	Replacement of obsolescent capacitors C5/C6, C8/9		
		14*	1	1-2	Replacement of modification record labels		
		15*	2	1-2	SRA 42 No 1 and 2 - introduction of clamp on battery lead		
		16*	1	1-3	Cable assembly, electrical (Z1/5820-99-105-6134)		
		17*	3	1-4	Replacement of calibrator board		
		18*	1	1-4	Chassis sub-assembly, capacitor-replacement		
F 508				1	0-05	Inspection standards	
				1	1-10		
F 509				1*	1	Plug-in i.f. units	
				2*	1	1-2	Marking of certain valve holders
				3*	1	1	Battery plug rivets
				4*	1	1-2	Antenna cover chains
				5*	1	1-2	Avoidance of valve burn-out due to defective batteries
				6*	2	1-2	Indicators, conditions, radio set A41/42
				7*	1	1	R.F. sub-assemblies, - prevention of possible short-circuit
				8*	1	1-2	Prevention of antenna socket short-circuits
				9*	1	1-2	Treatment of defective 'plug-in' units

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				10*	1	1	Lubricant of rubber seals
				11*	1	1	Sensitivity testing
				12*	1	1	Transmitter receiver - cursor indicator
				13*	2	1	Battle batteries, high usage
				14*	1	1	TRA42 - mechanical alignment on re-assembly
				15*	1	1	Plate instruction
				16*	2	1	Knobs - method of securing
				17*	1	1	Replacement of valve holder
				18*	1	1-2	Repair of antenna Z1/5820-99-117-4217
					2	3	
				19*	1	1	Front panel securing screws
				20*	1	1	Rebroadcast unit - replacement of obsolete capacitor
				21*	1	1	Relay unit Z1/5820-99-949-7392 - replacement of obsolete capacitor
				22*	1	1-3	I.F. Amplifiers - replacement of obsolete capacitor
				23*	1	1-2	Replacement of obsolescent valves
				24*	1	1-3	A42 No 1 - Audio socket assembly repair
				25*	1	1	Amplifier, intermediate frequency (Z1/5820-99-949-0129)
							<u>Station, radio, A43 R, Mk 2, manpack/ground</u>
F 530					1	1-4	Data summary
F 532	1				1	0-01	Technical description
					2	1-4A	
					1	5-6	
					2	7-8	
					1	9-24	
					2	25-29	
	2				1	0-01	Fault finding and repair data
					2	02-03	
					1	04-05	
					2	1001-1002	
					1	1003-1010	
					2	1011-1012	
					1	1013-1020	
					2	1021-1022	
					1	1023-1026	
					2	1027-1028	
					1	1029-1040	
					2	1041-1042	
					1	1043-1056	
					2	1057-1058	
					1	1059-1062	
					2	1063-1072	
F 533					1	2001-2002	FORWARD coding
					1	0-04	Unit repairs
					1	1-4	
					2	5-6	
F 534					1	7-18	Field and base repairs
					1	0-06	
					2	1-4	
					1	5-20	
					4	21-22	
					1	23-26A	
					1	27-50	
F 537					1	1001-1010	Mod Instr index
					1	1-2	Elimination of transmitter blocking
			1*		1	0	
					1	1-4	
			2*		1	0	Reduction of receive/send delay time

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
					1	1-2	Change in value of resistor R401 Battery charger - suppression of interference
				3*	1	1-2	
				4*	1	0	
					1	1-2	
				5*	1	0	
					3	1-12	
				6*	1	1	
				7*	1	1-2	
					2	3	
				8*	1	1-4	
				9*	1	1-2	
				10*	1	1-4	
				11*	1	0	
					1	1-5	
				12*	1	1-2	
				13*	1	1-3	
				14*	1	1	
				15*	1	1-3	
				16*	1	1-2	
				17*	1	1-2	
				19*	1	0-01	
F 539				1*	1	1-2	
				2*	1	1-2	
				3*	1	1-2	
				4*	1	1	
				5*	2	1-2	
				6*	1	1	
				7*	1	1-2	
				8*	1	1	
				9*	1	1-2	
				10*	1	1-2	
				11*	1	1	
				12*	1	1-2	
				13*	1	1	
				14*	1	1	
							Suppression of interference radiation P.U. assembly suppression of radiation from VT403 and VT404 Aerial, A6267 edition B - conversion to edition C P.U. assembly, change of type of transistors VT403 and VT404 Battery charger - embodiment of input protection circuit Battery charger - fitting potentiometer to protection circuit Battery charger, improvement of meter sensitivity Fitting warning label Battery charger, Mk 2 - addition of fuse Replacement on failure of transistor VT101 or VT102 Battery charger - adjustment of metering circuit for charging new 4Ah batteries Battery - fitting new label Battery charger - replacement of obsolete diode MR508 Component changes Battery charger repositioning of battery indicator plate Whip antennae Procedure to be followed on issue, or return to Ordnance of sets Incorrect fitting of cases Change of C135 to prevent instability Design differences Antenna, whip (Redifon) Z1/5820-99-949-1297 Supersession of semi-conductor diodes Change of cable assembly Power supply - checking of C401 and C408 connections Non interchangeability of components Battery charger - replacement of obsolete diodes Retention of inductor screening cans
							<u>Radio set CPRC-26</u>
F 540					2	1-2	Data summary
					3	3	
F 542					1	0-02	Technical description
					1	1-21	
					1	1001-1002	
					2	1003-1004	
					1	1005-1006	
					1	2001	FORWARD coding
F 543					1	1-10	Unit repairs
					1	1001-1004	
F 544					1	0-04	Field and base repairs
					1	1-13	
					1	1001-1008	
F 547				1*	1	1-2	Improvement of signal-plus-noise/

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
F 549				2*	2	1-2	noise ratio
				3*	1	1-5	Fitting of modification record plate
				4*	1	1	Modification of webbing harness
				5*	1	1	Headset socket-replacement
				1*	1	1-2	Replacement of aerial socket
							Replacement of audio socket jumper wires
							<u>Station radio UK/PRC 344</u>
F 550					2	1-4	Data summary
F 552					1	0	Technical description
					1	1-2	
					2	3-6	
					1	7-10	
					2	11-12	
					1	13-18	
					2	19-20	
					1	21-26	
					2	27-34	
F 553					1	2001	FORWARD coding
F 554					1	1-2	Unit repairs
					2	0-03	Field repairs
					2	1-33	
					2	1001-1012	
					1	1013	
F 556					2	1-6	Repair charts
F 557					1	1-2	Modification instruction index
				1*	1	1	S.E.F. (module 15) - Short circuit between top cover and P.E.C. (board)
				2*	1	1-9	Modifications required to raise modification strike off 5 (five) equipments to strike off 6 (six)
				3*	1	1	Power supply 80V (module 14) - change of transistors TR4, TR5 and change in value of resistors R7 and R8
				4*	1	1	Amplifier audio frequency (Mute) module 11 and amplifier (electronic switch) module 16
				5*	1	1	Oscillator RF (Module 9) - addition of link wire.
				6*	1	1	Synthesiser (Module 15) - addition of insulation
F 559					1	1-2	Miscellaneous instruction index
				1*	1	0	UK/RT 344 - changes in centre/sub-assemblies
					1	1-2	
				2*	1	1	UK/RT 344 - Beacon tone frequency specification limits
				3*	1	1	UK/RT 344 (Module 2) unobtainable transistor RCA type 2N5917
				4*	1	1	Amplifier - Demodulator (module 10) and amplifier, audio frequency (module 11)
				5*	1	1	production changes
							UK/RT - Recessed BNC antenna socket
							<u>Station radio UK/PRC-350</u>
F 570					2	1-4	Data summary
F 572					2	1-2	Technical description
					1	3-26	
					2	27-31	
					1	1001-1007	
					2	1008	
					2	2001	FORWARD coding
F 573					1	1-4	Unit repairs
F 574					5	0	Field repairs
					5	1-52	
					5	1001-1005	
				3	3	1-25	Automatic testing field

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F 576					5	0	Repair charts
					1	01	
					5	1-10	
F 577				1*	1	1-2	RT350 - recording of modification prior to delivery
				2*	1	1	RT 350 - modified battery clips and improved screening of the converter and smoothing assembly
				3*	1	1-2	RT 350 - Protection of fuse link
F 579				1*	1	1	UK/PRC 350 - change of grease on control dials
				2*	1	1	UK/PRC 350 - Converter and smoothing unit assembly No 16 (Z1/5820-99-622-5138)
				3*	2	1	SURF 2W - issue of additional test kit
				4*	1	1	SURF 2W -1 Ring sealing Toroidal, on meter, arbitrary scale
							<u>Clansman, radio, UK/PRC - 351 and 352</u>
F 580					1	0	Data summary
					2	1-6	
F 582					1	0-06	Technical description
					1	1-2	
					2	3-4	
					1	5-36	
					2	37-38	
					1	39-42	
					2	43-44	
					1	45-47	
					1	1001-1013	
					2	1014-1015	
					1	1016-1017	
					2	1018	
					1	1019	
	2				2	2001-2002	FORWARD coding
F 583					1	0	Unit repairs
					1	1-2	
					2	3-5	
F 584	1				1	83-88	Field repairs
		0			1	0	Index to sections
					2	1	
					2	0	General information
					2	1-5	
		2			1	0-08	RT 351
					2	1-14	
					3	15-16	
					4	17-18	
					3	19-20	
					2	21-24	
					3	25-26	
					2	27-28	
					3	29-30	
					2	31-57	
					2	1001-1006	
	1	3			4	1-15	Amplifier RF 20 Watt (AM 352)
		4			3	0	Selective unit R.F. 4 Watt (SURF 4W)
					3	1-10	
F 586	3				5	1-40	Automatic testing field
					1	0	Repair charts
					5	1-5	
					6	6-7	
					5	8-12	
F 587					1	1-2	Modification instruction index
				1*	1	1-2	RT351 - recording of modification prior to delivery
				2*	1	0	Amplifier RT 20 watt - change in value of 4R9 and 4R11 on PEC (Protection)
					1	1	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT	
F 589				3*	1	1-3	Amplifier, RF 20 watt - change in mounting of transistor 4TR1	
				4*	1	1-3	Carrying frame, electrical equipment - to prevent the pin falling out of the arm support assembly hinge	
				5*	2	1-2	Stripping of threaded hole inserts	
				6*	1	1-3	Strap assembly - design improvement	
				7*	1	1	RT 351 - Squelch failure to open at 40degC	
				8*	1	1	RT 351 - Converter and smoothing unit (19), change in value of 196L5	
				9	1	1-3	RT 351 - Addition of decoupling capacitors to pins 4 and 5 of unit 17	
				2*	1	1	UK/PRC-351 - change of grease on control dials 14W	
				3*	1	1	UK/PRC-351 - converter and smoothing unit assembly No 19 (Z1/5820-99-622-8365)	
				4*	2	1	Surf 4W - Issue of additional test kit	
				5*	1	1	RT 351 - Loading of remote lines for audio tests	
				6*	1	1	Distortion of plate adaptor carrier when clamped to frame pack board	
				7*	1	1	Surf 4W - high insertion loss	
			8	1	1	SURF 4W - Ring sealing toroidal, on meter arbitrary scale		
						<u>Station radio UK/PRC-320</u>		
F 590	1	0		2		1-5	Data summary 14S	
F 592				2		1	Index to sections	
				1		2	1-8	General information
				2		1	0	RT - 320
				2		2	1-40	
				2		2	1001-1002	
				3		1	0	Control radio set local/remote
				4		1	1-10	
				4		1	1-5	Selectivity unit radio frequency (SURF) 12W
				2		0	1	Index of sections
				2		1	0	Fault-finding and repair data
				2		2	1001	No Issue 2 Page 1002
				3		1	1003-1025	
F 593			3	2001	FORWARD coding			
			1	1001-1005	Control, radio set, local/remote (RCLU)			
					Unit repairs			
F 594	1	0		2		1-4		
				1		1	1	Index to sections
				1		1	1-3	
				2		2	0-01	RT 320
				4		4	1-4a	
				3		3	5-44	
				3		3	1001	
				3		1	1-7	Control, radio set, local/remote (RCLU)
				4		1	1-4	Selectivity unit, radio frequency (SURF) 12 watt
						4	1-36	Automatic testing field
F 596						3	1-16	Repair charts
F 597						1*	1	PEC(2g) - Elimination of pick up from earth circuits
						2*	1	1-3
			3*	1	1-3	PEC(2a) - Change in value of capacitors C1 and C5		
			4*	2	1-3	PEC 6 - Addition of resistor R16		

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
F 599				16	1	1-2	PEC 2a - Inability to meet 6V supply current consumption limits Change of 'Dipole elements' table of quarter metre markers Modification of antenna, wire type (177-7400) to incorporate a strain relief sleeve P.E.C. (2a) - change in value of capacitor C2 (compatibility with digital message handling device (DMHD) Panel electronic circuit (2g) - change of capacitor Miscellaneous instruction index Misc Instrs 1-6 (See page 1 para 7) UK/RT320 - cropping of synthesizer pins and addition of a split sleeve to protect the main wiring harness Change in value of METER CAL potentiometer R4 of PEC 6 UK/RT320 - Introduction of blackened BNC sockets Case assembly - use of protective covers during repair Antenna, wire type C/W reel - use of plastic markers during repair Low receiver sensitivity <u>UK/PRC-349</u> Data summary Technical description
				17*	1	1-3	
				18*	1	1-3	
				19	1	1-4	
				20	1	1-3/4	
					1	1-2	
				1*	1	0	
					1	1-2	
				2*	1	1	
				3*	1	1	
				4*	1	1	
				5*	2	1/2	
				6*	1	1	
				F 600	1		
F 602	2	1-6					
	1	7-16					
	2	17-18					
	1	19-34					
	2	35-38					
	2	1001-1006					
	1	1007-1008					
	2	1009-1010					
	3	1011-1012					
	1	1013/1014					
	3	1015-1018					
	2	1019-1020					
F 603		1	1	2001			
F 604		1	1	0			
		1	1	1-2			
		1	1	0			
		1	1	1-2			
		2	1	3-9/10			
		1	1	11-12			
		2	1	13/14			
		1	1	15-16			
		2	1	17/18			
		1	1	19-20			
		2	1	21-24			
		3	1	25-28			
		2	1	29-32			
		1	1	33-46			
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		1	1	49-52			
		2	1	53-56			
		1	1	57-62			
		2	1	63-64			
		1	1	65-68			
		2	1	69			
F 606	3			1	1-26	Automatic testing field Repair charts Modification instruction index Misc Instrs 1-6 (See page 1 para 7) Synthesiser - failure to lock at	
F 607				2	1-4		
				1	1-2		
				1*	1		1-3

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					2	53-56	
					1	57-62	
					2	63-64	
					1	65-68	
					2	69	
F 606	3				1	1-26	Automatic testing field
F 607					2	1-4	Repair charts
				1*	1	1-2	Modification instruction index
				2*	1	1-3	Synthesiser - failure to lock at frequencies ending in 50 kHz
							RT349 Panel Electronic Circuit Assembly 8
F 608	1				2	1-7	Inspection standards
F 609					1	1-2	Miscellaneous instruction index
				1*	1	1	RT349 Synthesiser assembly new replacement PEC 10a
				2*	1	1	Synthesiser (Unit 10) - failure to align Rx and Tx oscillators
							<u>UK/GRC 391 (Storno OQP 630 series)</u>
F 660					2	1-6	Data summary
F 662					1	0	Technical description
					2	1-8a	
					1	9-26	
					2	27-33	
					1	1001-1015	
F 664					2	2001	FORWARD coding
F 666					1	1-34	Field repairs
F 667					3	1	Centres
				1*	1	1-3	Handset loudspeaker/microphone LM601 - prevention of damage to loudspeaker
				2	1	1-4	L M 601 - replacement of microswitch assembly
F 669				1*	1	1-2	Loudspeaker ON/OFF switch - improved security
				2*	1	1	Vehicle mounted antenna - new base and whip
				3*	1	1-2	Exciter module - repositioning of components
				4*	1	1	Band-pass filter BP 600 and i.f. converter IC 600 - permissible combinations
							<u>Wireless set No 88 (types A and B)</u>
F 690* to F 699*							
							<u>Station, radio, 128B</u>
F 710					1	1-3	Data summary
F 712					1	1-10	Technical description
					1	1001-1010	
							<u>Station, radio, 123 and Transistorized p.s.u. 123V</u>
F 732					1	0	Technical description (Confidential)
					1	1-23	
					1	1001-1027	
					1	2001	FORWARD coding
F 737				1*	1	1-2	Component changes in PSU 123V (Confidential)

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
							<u>Station, radio, 128</u>
F 740					1	1-3	Data summary
F 742					1	1-10	
					1	1001-1015	
					1	2001	FORWARD coding
F 743					1	1	Unit repairs
F 744					1	1	Field and base repairs
							<u>Station, radio, 119B</u>
F 750					1	1-4	Data summary
F 752					1	1-24	Technical description
					1	1001-1019	
F 753					1	1	Unit repairs
F 754					1	1	Field and base repairs
							<u>Station, radio, Mk 121 and Mk 122</u>
F 760					1	1-3	Data summary
F 762	2				1	1001-1044	Fault finding and repair data
							<u>Transmitter-receiver LL46U</u>
F 790*							
to							
F 799*							
							<u>Radio station Pve PF2UB</u>
F 820					1	1-6	Data summary
F 822	1				1	0	Technical description
	2				1	1-25	
					1	1001-1004	Fault finding and repair data
					2	1005-1006	
					1	1007-1011	
F 824					1	0	Field repairs
					1	1-26	
					1	1001	
F 826					1	1-5	Repair charts
F 827					1	1-2	Modification instruction index
				1*	1	1-2	Receiver - increase of sensitivity
				2*	1	1-3	Microphone clip replacement
				3	1	0	Antenna and audio sockets - prevention of rotation
					1	1-6	
				4*	1	1-4	Transmitter-receiver - identity label replacement
					1	1-2	Receiver - improved squelch operation
				5*	1	1-2	PF2UB component changes
				6*	1	1-2	a. Receiver - improved crystal frequency adjustment
				7*	1	1-3	b. Transmitter - reduction of audio instability
				8*	1	1-4	Maintaining transmitter-receiver performance at low temperatures
				9*	1	1-3	Transmitter-receiver - introduction of a fuse-link
				10*	1	1-8	Transmitter-receiver introduction of squelch defect switch
				11	1	1-3	Receiver-relay socket replacement
F 828					1	1-7	Inspection standards
F 829					1	1-2	Miscellaneous instruction index
				1*	3	1-9	Conversion lists manufacturers Part numbers/JSN and JSN/manufacturers part numbers
				2*	1	1	Microphone cable and plug assembly
				3*	1	1	Earphone cord assembly - additional sleeves

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				4*	1	1	Redesignation of EMERs
				5*	1	1-2	Variable inductor core locking strip replacement
				6*	1	1-2	Microphone - securing unsupported component junction
				7*	1	1	Transmit/receiver relay - introduction of plug-in facility
				8*	1	1	Microphone/loudspeaker assembly - microswitch replacement
				9*	1	1	Transmitter - reduction of instability on T1 band
							<u>Station, radio, Pye U4501</u>
F 830					1	0	Data summary
					1	1-2	
							<u>Radio station UK/PRC 392 - Pye PF2FMB</u>
F 840					1	0	Data summary
F 842	1				3	1-7	
					1	0	Technical description
	2				1	1-19	
F 844					1	1001-1016	Fault finding and repair data
					2	1-30	Field repairs
F 846					2	1	Annex A and appendices 1 and 2
F 847					2	1-3	Repair charts
					1	1-2	Modification instruction index
				1*	1	1-2	Microphone clip replacement
				2*	1	1-4	Transmitter-receiver - identity label replacement
				5*	1	1-2	Transmitter - prevention of audio instability
				6*	1	1-2	Transmitter prevention of instability
				10*	1	1-2	Receiver - improved squelch operation
				11*	1	1-2	Receiver motherboard - improved earthing
				12*	1	1-3	Transmitter - r.f. instability
				13*	1	1-2	Receiver - improved crystal frequency adjustment
				14*	1	0	Antenna and audio sockets - prevention of rotation
					2	1-5	
				15*	1	0	Hand-held transmitter-receiver - introduction of more robust transmit switch
				16*	1	1-9	Transmitter-receiver - introduction of squelch defeat switch
				17*	1	1-4	Transmitter-receivers PF2FMB and PF2FMH - introduction of a fuse link
				18	1	1-4	Receiver-relay socket replacement
				19	1	1-4	PF FMB - Replacement of suspect fuse assembly - INTRINSICALLY SAFE SERIES ONLY
F 848	1				1	1-8	Inspection Standards
F 849				1*	2	1-4	Conversion lists - manufacturers part numbers/JSNS and JSNS/manufacturers part numbers
				4*	1	0	Microphone cable and plug assembly
					1	1	
				5*	1	1	EMER amendments
				6*	1	1-2	Variable inductor core locking strip replacement
				7*	1	1-2	Earphone cord assembly - additional sleeves
				8*	1	0	Microphone - securing unsupported component junction
					1	1-2	
				9*	1	1-2	Transmit-receiver relay - introduction of plug-in facility
				10*	1	1-2	Transmitter instability at low battery voltage

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				11*	1	1-2	Antenna - renewing protective sleeve Redesignation of EMERs Microphone/loudspeaker assembly - microswitch replacement Change of receiver frequency and use of alternative 2nd oscillator crystal frequency
				12*	1	1	
				13*	1	1-2	
				14*	1	1-2	
F 850					1	0	<u>Station, radio, Pye Bantam, type HP1 AM</u> Data summary
F 859				1*	1	1-3	Conversion lists: Manufacturers part numbers/JSNS and JSNS/manufacture s part numbers
					1	1-10	
				2	1	1	Battery extractor clip
							<u>Station, radio, Pye Bantam, type HP 1 FM</u>
F 860					1	0	Data summary
F 862					2	1-3	Technical description Bantam case - additional insulation Transmitter crystal chassis - introduction of retaining spring Pye Bantam - replacing microphone plug and socket Shoulder-strap antenna assembly
F 867				1*	1	1-2	
				2*	1	1-2	
				3*	1	1-4	
F 869				1*	1	0	Conversion lists - Part numbers
					1	1-3	
				2*	1	0	
					1	1-6a	
					1	7-10	Conversion lists - manufacturers part numbers/JSNs and JSNs/manufacturers part numbers
				3*	1	1-4	
				4*	1	1	Battery extractor clip
							<u>Station, radio, UK/PRC398</u>
F 870					1	1-4	Data summary Shoulder strap connecting components - strengthening
F 877				1*	1	1-2	
							<u>Radio station L470</u>
F 880					1	0	Data summary
					1	1-4	
							<u>Station radio mitre TR 1007C</u>
F 890					1	1-3	Data summary Technical description Transmitter - receivers TR 1007 and TR 1022 - i.f. unit replacement Inspection standards
F 892					1	1-8	
F 897				1*	1	1-11	
F 898					1	1-7	
							<u>Station radio, Storno CQP 562R</u>
F 917				1*	1	1	Shoulder strap connecting components - strengthening
							<u>Radio station Storno CQP 863 C2X8</u>
F 920					1	1-3	Data summary
F 926					1	0	Repair charts
					1	1-5	Modification instruction index
F 927					1	1-2	

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
F 929				1*	1	1-7	IMMEDIATE - Control unit CB803 - provision of muting 15Y
				2*	1	1-7	IMMEDIATE - Volume control - Provision of mechanical stops intermittent shorting - provision of insulating plate
				3*	1	1-4	Control unit CB 803 - provision of improved cable assembly
				4*	1	1-3	Headphone HP 801 - strengthening of cable assembly
				5*	2	1-2	Power amplifiers PA861 and PA862 - replacement
				6*	1	1-6	Control Unit CB 803 - replacement of PEC 637-9885
				7*	1	1-3	Control Unit CB 803 introduction of trilobular screws
				8	1	1-5	Design change of connector for ease of maintenance
				9	1	1-3	Addition of mounting bracket
				1*	1	1	Earphone cable assembly - securing outer barrel of coaxial connector
				2*	1	1-2	Channel selector - Identification of position by touch
				3*	1	1	Control box CB 803 - push to transmit button
				4*	1	0	CP 802 control head - Ingress of water
					1	1-2	
F 930 F 936 F 937							<u>Radio Station Storno CQP833 C2X8</u>
					1	1-3	Technical handbook - Data summary
					1	1-5	Technical handbook - Repair charts
					1	1-2	Modification instruction index
				1*	1	1-4	Control unit CB 803 - Provision of improved cable assembly
				2*	1	1-3	Headphone HP 801 - Strengthening of cable assembly
				3*	1	1-6	Control Unit - CB 803 - replacement of PEC 637-9885
				4*	1	1-3	Control Unit CB 803 - introduction of trilobular screws
				5	1	1-5	Design change of connector for ease of maintenance
				1*	1	1	Earphone cable assembly - securing outer barrel of coaxial connector
F 939				2*	1	1-2	Channel selector - Identification of position by touch
				3*	1	1-2	CP 802 Control head - Ingress of water
							<u>Radio Station Storno CQP 813 C2X8</u>
F 940 F 946 F 947					1	1-3	Technical handbook - Data summary
					1	1-5	Repair charts
					1	1-2	Modification instruction index 15Y
				1*	1	1-4	Control unit CB 803 - Provision of improved cable assembly
				2*	1	1-3	Headphone HP 801 - Strengthening of cable assembly
F 949				3*	1	1-6	Control Unit CB 803 - replacement of PEC 637-9885
				4*	1	1-3	Control Unit - CB 803 introduction of trilobular screws
				1*	1	1	Earphone cable assembly - securing outer barrel of coaxial connector
				2*	1	1-2	Channel selector - Identification of position by touch
				3*	1	1-2	CP 802 Control head - Ingress of water

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
G 300					1	1-2	<u>STATION, RADIO, B SERIES</u> <u>Station, radio, AN/PRC-47</u> Data summary <u>Remote mounted Pye Westmin series</u>
G 340					1	1-4	Data summary
G 347				1*	1	1-2	24/12V converter units - power rectifier change
				2*	1	1-3	W15UBL and W15UBTL - prevention of false squelch function
				3*	1	1-5	Receiver audio unit - Fitting heatsinks
				4*	1	1-4	UHF/VHF repeater station - antenna replacement
G 349				1*	1	0-02	Conversion lists; Manufacturers part numbers/JSNS and JSNS/manufacturers part numbers
					1	1-10	15Y
				2*	1	0	Conversion lists manufacturers part numbers/JSNS and/JSNS manufacturers part numbers
					1	1-8	Improved transmitter reliability and reduced r.f. feedback
				3*	1	1-2	Printed wiring boards - excessive wire length on underside
				4*	1	1-2	Keeping A band transmitter output within specified limits
				5*	1	1-2	Converter unit, W214 PU - change in resistor value
				6*	1	1	Receiver - improved 'A' band oscillator performance with low activity crystals
				7*	1	1-2	Radio station W15UBL (static/mobile) - Baseboard - replacement
				8*	1	1-2	
							<u>Station, radio, Pye Westminster W30AM</u>
G 350					2	0	Data summary
G 359				1*	1	1-6	Conversion lists - manufacturers part numbers/JSNS and JSNS/manufacturers part numbers
					1	0-01	
					1	1-7	<u>Station, radio, Pye Westminster W15 FM</u>
G 360					2	1-2	Data summary
					3	3-4	
					4	5-6	
G 362					1	0-05	Technical description
					1	1-4	
					2	5-6	
					1	7-24	
					2	25-26	
					1	27-44	
					2	45-46	
					1	47-50	
					2	51-52	
					1	53-61	
					1	2001-2003	FORWARD coding
G 367	2			1*	1	1-4	Battery box - relocation of fuseholder
				3*	1	1-4	IMMEDIATE - UK/VRC 399 (W15FM RG) motor-cycle installation - improved safety
				4*	1	1-2	24/12V converter units - power rectifier change
				5*	1	1-6	Manportable conversion unit P15PU

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
G 369				6*	1	1-3	change of replacement battery size Transmitter-receiver and power supply units fitting identity mod record and warning labels
				7*	1	1-3	Battery charger BC2 - change of resistor shunting charge indicator lamp
				8*	1	1-5	Receiver audio unit - fitting heatsinks
				1*	2	0	Conversion lists manufacturers part numbers/JSNS - and JSNS/manufacturers part numbers
				2*	1	1-2	Transmitter p.a. unit variants
				3*	1	1-3	Improved transmitter reliability and reduced r.f. feedback
				4*	1	1-2	Printed wiring boards - excessive wire length on underside
				5*	1	1-3	Keeping 'A' band transmitter output within specified limits
				6*	1	1-2	Manportable conversion unit P15PU - replacement of TAVR variant
				7*	1	1	Converter unit W24 PU - change in resistor value
				8*	1	1-2	Receiver - improved 'A' band oscillator performance with low activity crystals
G 379				9*	1	1-4	Transmitter-receiver W15FMDS - stronger mounting
				10*	1	1-2	W15FMDS start relay - replacement
				11*	1	1	Manportable conversion unit P15 PU - cable clamp replacement
							<u>Station, radio, Pye FM 10P</u>
				1*	1	1	Battery retainer strap, and lid for the spare battery box
				2*	1	1-2	Receiver r.f. unit, variants
				3*	1	1	Crystal data
							<u>Station, radio, AM10B (mobile)</u>
	G 380				1	0	Data summary
	G 382	2			2	1-3	
	G 384				1	2001-2002	FORWARD coding
G 387				1	1	Field and base repairs	
G 389				1*	1	1-3	TR AM10B - fitting of retaining bracket
				1*	1	1	Antenna, whip, fixed 41.1/4 in. lg. (Z1/5985-99-944-4307)
						<u>Station, radio, FM10B (mobile)</u>	
G 390				1	0-02	Data summary	
G 392				1	1-4		
				1	1-10	Technical description	
G 397				2	11-16		
				1	1001-1010		
G 399				1*	1	1-2	Converter whistle in Landrover Mk 9 installations
				2*	1	1-3	TR FM10B - fitting of retaining bracket
				1*	1	1-2	Antenna, whip, fixed 41.1/4 in. lg. (Z1/5985-99-944-4307)
				2*	1	1	Whip antenna replacement
							<u>Station, radio, Pye F10 FM (fixed)</u>
G 400				1	0-01	Data summary	
G 402				1	1-2		
				2	1-4	Technical description	
G 409				1*	1	Whip antenna replacement	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
G 410					1	0-01	<u>Station, radio, Pye FB10FM (fixed)</u> Data summary
G 412					1	1-2	Technical description
					2	3-5	FORWARD coding
					1	2001	<u>Station, radio, B43/R220, Mk 4 (mobile)</u>
G 440* to G 449*							<u>Station, radio, B43/R220, Mk 2</u>
G 472*					1	0	Technical description
					1	1-8	
					1	1001-1011	
G 474*					1	0	Field and base repairs
					1	1-12	
					1	1001-1008	
G 477				1*	1	0-01	Suppression of background noise
					1	1-2	
G 479				1*	1	1-2	Redesignation of EMERs
				2*	1	1	Redesignation of EMERs
				3*	1	1-2	Tripod leg clamping screws
							<u>Wireless station B44, Mk 3</u>
G 480* to G 489*							
G 530	1				1	1-2	Data summary
G 532	2				1	0	Technical description
					2	1-19	
					2	0-03	Fault-finding and repair data
					1	04-07	
					1	1001-1044	
					1	2001	FORWARD coding
G 533					1	1-2	Unit repairs
G 534					3	0-01	Field and base repairs
					1	02-04	
					2	1-4A	
					1	5-60	
	3				1	1001-1037	
					2	1-19	Automatic testing, field and base
						1001-1004	
G 537					1	1-2	Index of modifications
				1*	1	1-4	Removal of tuning clamping facility
				2*	2	1-3	Elimination of spurious outputs from 1Mc/s crystal
				3*	1	1-2	Correction of narrowed i.f. bandwidth
				4*	2	1	Control knobs
				5*	1	1-3	Improvement of local oscillator temperature compensating
				6*	1	1-2	Replacement of capacitor C69 by temperature compensated type
				7*	1	0-01	Improvement of local oscillator tracking
					1	1-3	
				8*	1	0-01	Redesign of calibrator circuit
					1	1-7	
				9*	1	1-2	Insulated sleeving in r.f. unit
				10*	1	1-2	Unit r.f. No 14 - fitting of additional

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT	
G 538 G 539				11*	1	1-2	resistor to m.o. Amplifier, a.f. - fitting of a decoupling capacitor	
				12*	1	1-3	R.F. unit - improvement of band-width and sensitivity	
				13*	1	1-2	R.F. unit - spurious oscillation	
				14*	1	1	SUV - replacement of resistor R 520	
				15*	1	1-2	Replacement of resistor R519	
					1	1-9	Inspection standards	
				1*	1	1-2	Change of capacitor C403	
				2*	1	1-2	Spurious oscillation	
				3*	1	1-2	Desiccators	
				4*	1	1-2	Reduction of tuning control backlash	
<u>Station, radio B48</u>								
G 550 G 552	1				1	1-2	Data summary	
					1	0	Technical description	
					1	1-19		
					2	1001		
					1	1002-1003		
G 553 G 554	2				1	0-01	Fault-finding and repair data	
					1	1001-1042		
					1	2001	FORWARD coding	
					1	1-2	Unit repairs	
					2	0-01	Field and base repairs	
G 557 G 558 G 559	3				1	02-03		
					2	1-4A		
					1	5-54		
					2	55-58		
					1	59-61		
					1	1001-1035		
					2	1-19	Automatic testing, field and base	
					2	1001-1005		
					1	1-2	Index of modifications	
					1*	1-3	Removal of tuning clamping facility	
					2*	1-2	Aerial tuning unit No 10 - series metering resistor	
					3*	2	1-2	Replacement of capacitor C129 by temperature compensated type
					4*	1	1-2	Amplifier, a.f. - fitting of a decoupling capacitor
					5*	1	1-3	R.F. unit - improvement of band- width and selectivity
					6*	1	1	SUV - replacement of resistor R520
	7*	1	1-3	Replacement of resistor R519				
	1	1-9	Inspection standards					
	1*	1-2	Amended part number of film scale					
	2*	1-2	Desiccators					
	3*	1	1	Tuner, radio frequency, No 10, replacement meters				
<u>Station, radio, B70</u>								
G 700					1	0	Data summary	
					2	1-2		
G 702	1				3	0	Technical description	
					2	1-27		
G 703	2				1	0-01	Fault-finding and repair data	
					1	02		
					1	1001-1025		
					1	2001	FORWARD coding	
					1	0	Unit repairs	
G 704					1	1-4		
					1	1001		
					2	0-01	Field and base repairs	
					1	02-04		
	2	1-4B						

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
G 707					1	5-41	Carrier failure unit
					2	42-47	
					1	1001-1011	
					2	1012-1015	
					1	1016	
				1*	1	0	
					1	1-3	
				2*	2	1-2	
					3*	1-2	
					4*	0	
G 708					1	1-4	Supply unit, rectifier, No 25 - replacement of fuses Change of metering resistor R73 Supply unit, rectifier, No 25 - replacement of capacitors I.F. unit - resistors R3 and R11 replacement Tree clamp assembly Power supply unit, dummy load Replacement of capacitor C45 Inspection standards
					1	1-4	
					1	1-2	
					1	0-01	
					1	1-8	
G 709				1*	1	1-2	Fracture of castings Limiter grid current Units, i.f. No 17, prevention of short circuits to earth
					2*	1	
					3*	1-2	
H 005					1	1-2	Stations, radio, C42 and C45 - sub-unit identification 15I
H 009				1*	1	1-2	Aerial base - defective material 020 Aerial bases - regulation forbidding painting Metric antenna elements - introduction of glass fibre top section Replacement of Base Antenna Support No 28 by Base Antenna Support No 31 Mark 3 17N
					2*	1	
					3*	1	
					4*	1	
H 140* to H 149*							<u>STATIONS, RADIO, C SERIES</u> <u>General</u> <u>Station, radio, C12</u> <u>Station, radio C13 (TRC13 Mk 1 and Mk 2, P.S.V. No 16, T.R.F. No 11)</u>
H 160 H 162	1				1	1-3	Data summary 15B Technical description
					1	0-01	
H 163 H 164	2				3	1-41	Fault finding and repair data FORWARD coding Unit repairs Field and base repairs
					3	1001-1003	
					1	0-04	
					3	1001-1091	
					1	2001	
					1	1-4	
					1	1001-1013	
					2	0-02	
					4	03	
					2	04	
	2	1-2					
	3	3-4A					
	1	5-14					
	2	15-16					
	1	17-32					
	2	33-34					
	1	35-72					
	1	4001-4007					

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
H 167	3				3	1-31 1001-1014	Automatic testing, field and base
					1	1-2	Index of modifications
				1*	1	0	Fitting of stand-off insulator
					2	1-2	
				2*	1	1	Tuner, radio frequency, No 11
				3*	1	1-3	Repositioning of resistor R31 in P.S.V., No 16
				4*	1	0-01	Provision of external discriminator output
					1	1-2	Fitting of retainer to P.A. valve
				5*	1	1-4	I.F./A.F. sub-assembly - reduction of sensitivity of preset quieter control
				6*	2	1-4	Replacement of flexible couplings on r.f. and mixer chassis
				7*	1	1-5	Prevention of frequency drift of variable frequency oscillator
				8*	1	0-01	PSV No 16 - fitting of polarized relay
					1	1-4	Mk 1 equipments - I.F./A.F. amplifier - improvements of b.f.o. stability
				9*	1	1-4	PSV No 16 - repositioning of resistor R10
				10*	1	0	Power supply, vibratory, No 16 - fitting of encapsulated capacitors
					1	1-3	Calibration unit - reduction of spurious oscillation and improvement of output level
				11*	1	1-3	P.S.V. No 16, increased power rating of resistor R23
				12*	2	1-5	P.S.V. No 16 - relocation of resistor R24
				13*	1	0-01	
					1	1-8	IF/AF unit - deviation control, RF unit - modulation control and a.f.c. 'capture'
				14*	1	1-2	IF/AF sub-assembly - slugging of relay
				15*	1	0	RLD
					1	1-5	PSV No 16 - replacement of vibrator clamp
				16*	1	1-6	Replacement of T101 and C134
	2	7-8A	PSV No 16 - replacement of voltage control relay				
	1	9-11	Obsolete relay (RLA) replacement				
17*	1	0	Obsolete relay (RLA) replacement				
	1	1-6	PSV No 16 - replacement of loose earth terminal				
19*	1	1-3	Deepening of flange cut-outs associated with antenna socket				
20*	1	1-2	Incorrect colour coding				
21*	2	1-3	Flexible shaft of antenna trimmer capacitor C140				
22*	1	1-3	I.R.F. No 11 - drilling of bolt holes in base				
23*	1	1-4	Resistor R154 and frequency pulling of master oscillator				
24*	1	1-3	Error in recording of modifications				
H 169				1*	1	1-2	PSV No 16 - clamping of capacitors
					1	1	Desiccators
				2	1	1	Ledex relays
				3*	1	1-2	Wavechange switch - coupling improvement
				4*	1	1-2	PSV No 16 - capacitor life
				5*	1	1-2	Tuning drives
				6*	1	1	
				7*	1	1-2	PSV No 16 - voltmeter failures
				8*	1	1	Replacement of preset resistors
				9*	1	1-2	Replacement of antenna trimmer coupling
				10*	3	1-2	Transformer assembly lead-out wires
				11*	1	1-2	Seizure of shaft assemblies
				12*	1	0	PSV No 16 - burning of wire
					1	1-4	
	1	1-2					
	1	1-2					
	1	1-5					
	1	1-2					
	1	1-2					
	1	1-2					
	1	1-2					
	1	1					

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				19*	1	1	Replacement of loop clamps
				20*	1	1	Replacement of L102
				21*	1	1	Spurious oscillation at 0.5 and 1 MHz points
				22*	1	0	Relays, replacement types
					1	1-2	
				23*	1	1	Obsolete, 0.01uF capacitor
				24*	1	1	Oversize crystals
				25*	1	1	Replacement of faulty valve base contents
				26*	1	1	Capacitor variable
				27*	1	1	Replacement for diode CV4073 in positions V304, V305 and V312
							<u>Station, radio, C14</u>
H 180					1	1-5	Data summary
H 184					1	1	Field and base repairs
H 187				1*	1	1-3	Change of R19 and addition of R121
				2*	1	1-2	Transmitter-receiver unit, addition of resistor (R25)
							<u>Station, radio, C15 (VC 102)</u>
H 200					1	1-5	Data summary
H 202					1	2001	FORWARD coding
H 204					1	1-2	Field and base repairs
H 207				1*	1	1-3	Antenna loading coil type 690D-1-improved antenna mounting
				2*	1	1-5	Control unit 313V-1 - fitting switch end-stop
				3*	1	1-4	Antenna loading coil type 690-1-replacement of antenna changeover - switch lever
				4*	1	1-10	Power supply A8 - addition of relay K3 and transient suppression
				5*	1	1-5	Power amplifier module All - PA valve screen supply changes and fitting of a modification record label
				6*	1	1-2	Embodiment of transient protection unit
				7*	1	1-2	Power amplifier module All - replacement of resistor R3
				8*	1	1-3	Transient protection unit - replacement of indicator lamp
				9*	1	1-7	Standardisation of circuits
				10	1	1-3	Disablement of squelch switch
				11*	1	1-14	Fitting identification and modification plates
H 209				1*	1	1	Error in makers instruction book
				2*	1	1	Relay assembly module - part of antenna coupler 490B1-poor contact between 50-way plug and its mating socket
				3*	1	1-2	Overload relay K2, check and adjustment
				4*	1	1	Antenna change-over switch burn out
				5*	1	1	RF power amplifier module All component changes - R26 and RLK3
				6*	1	1	Capacitor connections
							<u>Battalion master station, TAVR</u>
H 360					1	0-01	Data summary
					1	1-5	
H 367				1*	1	1-4	Transmitter unit - increased life of valve V1
H 369				1*	2	1-2	Loss of shell grips from antenna mounting
				2*	1	1-6	Conversion lists - manufacturers part

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H 370					1	0	Data summary
H 377				1*	1	1-4 1-3	Kingshill PSU S1510 - prevention of overheating
H 379				1*	2	1-2	Loss of shell grips from antenna mounting
				2*	1	1-5	Conversion lists-manufacturers part numbers/JSNs and JSNs/manufacturers part numbers <u>Station, radio, F60 FM (static)</u>
H 380					1	0-01	Data summary
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H 384					1	2001	FORWARD coding
H 389				1*	1	1	Field and base repairs Whip antenna replacement <u>Station, radio, F75 AM (static)</u>
H 390					1	0	Data summary
H 392	2				1	1-5	
H 394					1	2001-2002	FORWARD coding
					1	1	Field and base repairs <u>Station radio Pye F100FM</u>
H 400					1	0	Data summary
					2	1-4	
H 407				1	2	5 1-4	Transmitter unit increased life of valve V1
				2*	1	1-2	Remote controller PC1 - prevention of parasitic oscillation
				3*	1	1-2	Remote controller PC1 - improved performance
				4*	1	1-2	Remote controller PC1 - introduction of plug-in relay
H 409				1*	1	1-6	Conversion lists - manufacturers part numbers/JSNs and JSNs/ manufacturers part numbers
				2*	2	1-2	Remote controller PC1 reduction of hum and noise
				3*	1	1	Receiver R17FM power supply regulator assembly - improved filtering <u>Station, radio, C41/R222</u>
H 420					2	1-4	Data summary
H 422	1				1	0	Technical description
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H 424					1	1020-1045	Field and base repairs
					2	1046-1051	
H 427					1	1052-1053	Index of modifications Sender crystal oscillator- change of cathode resistor Increase of rating of resistor R57
					1	2001	
H 428	1				1	1-2	Line output control Antenna feeders Replacement of 25-pt plug Transmitter r.f. unit - fitting dial stops Replacement of feed-through capacitors Change of i.f. unit discriminator transformer RF unit - change of cable assemblies
					1	1001-1004	
H 429					2	0-03	Receiver, radio, R222 - addition of capacitors Supply unit rectifier No 23 - introduction of a modification record plate SUR 22 - replacement of 25-pt socket SUR 22 Mk 1 - introduction of a modification record plate SUR 22 Mk 1 - increase in rating of R207 and R208 C41 Mk 1/1, introduction of modification record plate R222 Mk 1/1 introduction of modification record plate Replacement of thermal cut-out Inspection standards Redesignation of EMERs Anode connector springs Fan motors - replacement by alternative type Equipment cases Replacement for resistor R30
					1	04	
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					1	1001-1022	
					2	1023-1024	
					1	1025-1030	
					2	1031-1032	
					1	1-2	
					1*	1-2	
					2*	0	
					1	1-4	
					3*	1-4	
					4*	1-3	
					5*	1-2	
					6*	1-4	
					7*	1-3	
					8*	0	
					9*	1-2	
					1	1-2	
					2	3-4	
					10*	1-3	
					11*	1-3	
					12*	1-2	
					13*	1-3	
					14*	1-2	
					15*	1-4	
					16*	1-2	
					2	3	
					18*	1-4	
					1	1-9	
					1*	1-2	
					2*	1	
					3*	1-2	
					4*	1-2	
					5*	1-2	

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				6*	1	1	TRC41 Mk 1/1 - RF monitor unit carrier fail alarm system
				7*	1	1-2	Slow-motion drive adjustment
				8*	1	1	Connector ZA 51398 and 5995-99-102-4724
				9*	1	1	R.F. unit - replacement for SSK1 and SK2
				10*	1	1-2	Replacement for grommet, plastic
				11*	1	1	Transformer assembly RF No 14 - incorrectly wired
							<u>Station, radio, C42, No 3</u>
H 430					1	1-4	Data summary
H 432	1				1	1-20	Technical description
					1	1001	
	2				1	0-04	Fault-finding and repair data
					1	1001-1055	
					1	2001	FORWARD coding
H 434	1				1	0-02	Field repairs
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H 437					1	1-2	Index of modifications
				1*	1	1-4	Control modulator-reduction of sidetone hum on transmit
				2*	1	1-2	Prevention of damage to wiring harness
				3*	1	1-2	Amplifier a.f. - change of value of R135
				4*	1	0	First i.f. unit - replacement of V11-12 by semi-conductors
					1	1-2	
					2	3-4	
					1	5-7	
				5*	1	0	2nd i.f. amplifier - replacement of V18 and V19 by semiconductor diodes
					1	1-2	
					2	3-4	
					1	5-6	
				6*	1	0	Squelch unit - valve V23 replacement by semiconductor diode
					1	1-5	Control modulator - V29 replacement
				7*	2	1-5	Voltage stabilizer - change in value of C1010 addition of (MR1014)
				8*	1	1-5	Control, modulator - replacement of CV 8852 by three semiconductor diodes
					1	1-5	Amplifier, i.f. - replacement of V1002 and change of PVC sleeving
				10*	2	1-3	Antenna simulator - replacement of obsolete resistors
				11*	1	1-3	Control, modulator - resistor change to permit use of sub-standard CV 4015
				12*	1	1-4	Frequency calibrator - addition of capacitor to facilitate crystal tuning
				13*	1	1-3	1st i.f. unit - replacement of crystal unit
				14*	1	1-4	Repair policy
H 439				1*	1	1	Prevention of failure due to carbon dust
				2*	1	1-2	Efficiency of damping diode MR 1007
				3*	1	1	Failure of MR30 in DM box
				4*	1	1	Antenna simulator - replacement of resistor R2
				5*	1	1	I.F. unit - replacement of valve shield spring
				6	1	1	
							<u>Station, radio, C42, No 1</u>
H 440					3	1-4	Data summary
H 442	1				1	0-01	Technical description

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				H 447	1			
	1	0-06	Field repairs					
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	1	1001-1032	Base repairs					
	5	1-22	Automatic testing, field and base					
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	1	1-2	Index of modifications					
	1	1	Serial number plate rivets					
	2*	1	0-01	Fitting of modification record plate				
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	3*	1	1-2	Operation of squelch relay at low battery voltage				
	4*	1	1-2	Units, r.f., No 8 - improvement of performance				
	5*	1	1-2	Change of capacitor C51				
	6*	1	1-3	Replacement of capacitor C48				
	7*	3	1-2	Control knobs				
	8*	2	1	Tuning knob of simulator unit				
	9*	1	1-2	Reduction of harmonic strength in second local oscillator				
	2	3						
	10*	2	0-01	Temperature compensation of a.f. discriminator				
	1	1-3						
	11*	1	1-3	Improvement of r.f. unit temperature compensation				
	12*	1	1-2	Correction of sidetone circuit instability				
	13*	1	1-4	Frequency stability of c.f.o. unit				
	14*	1	1-4	Control modulator, reduction of sidetone hum on transmit				
	15*	1	1-2	Prevention of damage to wiring harness				
	16*	1	1-2	Amplifier, a.f. - change of value of R135				
	17*	3	1-6	Improvement of power output				
	18*	1	1-2	Identification plates				
	19*	1	0	Squelch unit - replacement of V23 by a semi conductor				
	1	1-5						
	20*	1	0	Second i.f. unit - replacement of V18-19 by semi conductors				
	1	1-2						
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	1	5-6						
	21	1	0	First i.f. unit - replacement of V11-12 by semi conductors				
	1	1-2						
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	22*	2	1-5	Control, modulator - replacement of V29 by a semi conductor diode				
	23*	1	0	Addition of a capacitor and a mod record plate				
	1	1-6						
	24*	1	1	Dummy load electrical (5985-99-949-1025)				
	25*	1	1-5	Control, modulator - replacement of CV8852 by three semi conductor diodes				
	26*	1	1-3	Antenna simulator - replacement of				

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				27*	1	1-4	obsolete resistors
				28	1	1-4	Control, modulator - resistor change to permit use of sub-standard CV4015
H 448					2	0-01	1st i.f. unit - replacement of crystal unit
					1	02-04	Inspection standards
H 449				1*	2	1-12	Redesignation of EMERs
				2*	1	1-2	Cracked meter windows
				3*	2	1	Defective contact on variable inductance unit
				4*	1	1-2	Removal of locking device
				5*	2	1	Breakage of capacitor shaft
				6*	1	0	Replacement of sleeving in 2nd i.f. discriminator
					1	1-3	
				7*	1	1-2	Antenna lead termination - stiffener
				8*	1	1	Motor, electric, PMIA, 24V
				9*	1	1	Change of distribution of Tels H 443
				10*	1	1-2	Protection of NOISE-ON-OFF switch knob
				11*	1	1-2	A.M.C. unit - nipple
				12*	1	1-2	Desiccators
				13*	1	1	Tuning drive shaft
				14*	1	1-4	Replacement of discriminator tag panels
				15*	1	1	Testing ancillories, vehicle and man-pack sets
				16*	1	1	Repair policy
				17*	1	1-2	Prevention of failure due to carbon dust
				18*	1	1-2	A.F.C. Check
				19*	1	1	Front panel meter M1 - standardisation
				20*	1	1	Antenna simulator - replacement of resistor R2
				21	1	1	I.F. unit - replacement of valve shield spring
							<u>Station, radio, C42, No 2</u>
H 450					1	1-4	Data summary
H 452	1				1	0-01	Technical description
					1	1-12	
					2	13-14	
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					1	1001	
	2				1	0-01	Fault-finding and repair data
					2	02-03	
					1	04-07	
					1	1001-1040	
					1	1040a-1040b	
					1	1041-1052	
H 453					1	2001	FORWARD coding
					2	1-4	Unit repairs
					2	1001	
H 454	1				1	0-04	Field repairs
					1	05	
					2	1-4A	
					1	5-12	
					2	13-14	
					3	15-16	
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					1	45-75	
					1	1001-1002	
	3				5	1-23	Automatic testing, field and base
					5	1001-1004	

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H 457					2	1-2	Modification instruction index
				1*	1	0	Calibrator, frequency - capacitor C 353
					2	1-4	
				2*	1	1-4	Control modulator - reduction of side-tone hum on transmit
				3*	1	1-3	Transmitter-receiver sub-assembly, fitting of a ferrite bead
				4*	1	1-4	Reduction of power fall-off under low power conditions
				5*	1	1-2	Prevention of mechanical damage to wiring harness
				6*	1	1-2	Amplifier, a.f. - change of value of resistor R135
				7*	1	1-4	2nd i.f. unit - change of capacitor C384
				8*	1	1-3	Frequency calibrator - addition of capacitor to facilitate crystal tuning
				9*	1	1	Calibrator frequency, replacement of transformer assembly L113/L114
				10*	1	1	2nd i.f. unit, inductor and transformer replacement
				11*	1	0	Improvement of a.f.c. capture operation
					1	1-2	
					2	3-4	
					1	5-9	
				12*	1	1-3	Transmitter receiver sub-assembly, increase in value of R302
				13*	1	0	First i.f. unit - replacement of V11-12 by semi conductors
					1	1-2	
					2	3-4	
					1	5-7	
			14*	1	0	Squelch unit - V23, replacement by a semi conductor	
				1	1-5		
			15*	1	0	2nd i.f. unit - replacement of V114 and V115 by semi conductor diodes	
				1	1-2		
				2	3-4		
				1	5		
			16*	2	1-6	Control, modulator - replacement of V29 by a semi conductor diode	
			17*	1	1-6	Addition of a capacitor and a mod record plate	
			18*	1	1-5	Control, modulator - replacement of CV8852 by three semi conductor diodes	
			19*	1	1-3	Antenna simulator - replacement of obsolete resistors	
			20*	1	1-4	Control, modulator - resistor change to permit use of sub-standard CV4015	
			21*	1	1-4	1st i.f. unit replacement of crystal unit	
H 459				1*	1	1-2	Transformer assembly L122
				2*	1	1-2	Puncturing of cableform insulation
				3*	1	1	Testing ancillaries, vehicle and manpack sets
				4*	1	0	2nd i.f. unit - access for adjustment capacitor C384
					1	1	Repair policy
				6*	1	1-2	Prevention of failure due to carbon dust
				7*	1	1	Replacement of capacitor C474
				8*	1	1	Antenna simulator - replacement of resistor R2
				9	1	1	I.F. unit - replacement of valve shield spring

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							<u>Station radio, C45, No 1</u>
H 510					1	0-01	Data summary
					2	1-4	
H 512	1				1	1-12	Technical description
	2				1	0-01	Fault-finding and repair data
					1	1001-1046	
H 513					1	2001	FORWARD coding
					2	1-4	Unit repairs
H 514					2	1001	
					1	0	Field and base repairs
					2	1-4A	
					1	5-58	
					2	59-60	
					1	61-74	
					1	1001-1035	
	3				4	1-24	Automatic testing, field and base
					4	1001-1005	
H 517				1*	2	1	Control knobs
				2*	2	1	Control knob of simulator unit
				3*	1	0	Reduction of harmonic strength in second local oscillator
				4*	1	1-2	Temperature compensation of a.f. discriminator
				5*	1	1-3	Control modulator - reduction of sidetone hum on transmit
				6*	1	1-4	Amplifier a.f. - change of value of R135
				7*	1	0	Squelch unit - replacement of V23 by a semi conductor
				8	1	1-5	First i.f. unit - V11-12 replacement by semi conductor
				1	0	0	
				1	1	1-2	
				2	1	3-4	
				1	1	5-6	
				9*	1	0	2nd i.f. unit - replacement of V18-19 by semi conductor
				1	1	1-2	
				2	1	3-4	
				1	1	5-6	
				10*	2	1-5	Control, modulator - replacement of V29 by a semi conductor diode
				11*	1	1-2	Wiring harness, prevention of mechanical damage
				12*	1	1	Dummy load electrical 5985-99-949-9619
				13*	1	1-5	Control, modulator - replacement of CV8852 by three semi conductor diodes
				14*	1	1-6	Squelch unit - addition of a capacitor
				15*	1	1-4	Control, modulator - resistor change to permit use of sub-standard CV4015
				16*	1	1	Antenna simulator - replacement of obsolete resistors
				17*	1	1-4	1st i.f. unit - replacement of crystal unit
H 518				1	1	1-12	Inspection standards
H 519				1*	1	1-2	Redesignation of EMERs
				2*	2	1	Defective contact on variable inductance unit
				3*	1	1	Motor, electric, PM1A, 24V
				4*	1	1-2	Protection of NOISE-ON-OFF switch knob
				5*	1	1-2	Desiccators
				6*	1	1-4	Replacement discriminator tag panels
				7*	1	1	Testing ancillaries, vehicle and manpack sets
				8*	1	1	Repair policy
				9*	1	1	Prevention of failure due to carbon dust
				10*	1	1-2	Sealing of squelch control

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				11*	1	1	Antenna simulator - replacement of resistor R2 <u>Station, radio, C45, No 2</u>
H 520					1	0-01	Data summary
					1	1-4	
H 522	1				1	1-2	Technical description
	2				1	0	Fault finding and repair data
					1	1001-1048	
					1	2001	FORWARD coding
H 523					1	1	Unit repairs
					1	1001	
H 524	1				1	0	Field repairs
					2	1-2A	
					1	3-55	
					1	1001	
	3				4	1-21	Automatic testing, field and base
					4	1001-1005	
H 527				1*	1	1-2	2nd i.f. amplifier-capacitor C384
				2*	1	1-2	Amplifier a.f. - change of value of resistor R135
				3*	1	0	1st i.f. unit - replacement of V11-12 by semi conductors
					1	1-2	
					2	3-4	
					1	5-7	
				4*	1	0	Squelch unit - V23, replacement by a semi conductor
					1	1-5	R.F. unit - addition of diode to improve stability
				5*	1	1-3	2nd i.f. unit - replacement of V114 and V115 by semi conductor diodes
				6*	1	0	
					1	1-2	
					2	3-4	
					1	5-6	
				7*	2	1-5	Control, modulator - replacement of valve V29 by a semi conductor diode
				8*	1	1	Calibrator, frequency, replacement of transformer assembly L113/L114
				9*	1	1	2nd i.f. unit - inductor and transformer replacement
				10*	1	1-2	Wiring harness, prevention of mechanical damage
				11*	1	1-2	1st local oscillator - replacement of V31 (CV4014) by CV4040
				12*	1	1-5	Control, modulator - replacement of CV8852 by three semi conductor diodes
				13*	1	1-2	Calibrator unit - replacement of mod label
				15*	1	1-6	Squelch unit - addition of capacitor
				16*	1	1	Antenna simulator - replacement of obsolete resistors
				17*	1	1-4	Control, modulator - resistor change to permit use of sub-standard CV4015
				18	1	1-4	1st i.f. unit-replacement of crystal unit
H 529				1*	1	1-2	1st local oscillator unit - securing of CHANNEL drive shaft
				2*	1	1	2nd i.f. amplifier - drilling of capacitor access hole
				3*	1	1	Testing ancillaries vehicle and manpack sets
				4*	1	1	Prevention of cableform damage
				5*	1	1	Repair policy
				6*	1	1-2	Prevention of failures due to carbon dust
				7*	1	1	Antenna simulator - replacement of resistor R2

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							<u>Station, radio, C45, No 3</u>
H 530					1	0-01	Data summary
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H 532	1				1	1-2	Technical description
	2				1	0	Fault finding and repair data
					1	1001-1050	
					1	2001	FORWARD coding
H 534	1				1	0-01	Field repairs
					2	1-2	
					1	3-45	
H 537					1	1-2	Index of modifications
				1*	1	1-2	Prevention of damage to wiring harness
				2*	1	1-2	I.C. unit - change of R135 to improve sensitivity
				3*	1	0	1st i.f. unit - replacement of V11-12 by semi conductors
					1	1-2	
					2	3-4	
					1	5-7	
				4*	1	0	2nd i.f. unit - replacement of valves V18 and V19 by semi conductor diodes
					1	1-2	
					2	3-4	
					1	5-7	
				5*	1	0	Squelch unit - replacement of valve V23 by a semi conductor diode
					1	1-5	Control, modulator - semi conductor diode replacement for valve V29
				6*	2	1-7	Voltage stabilizer - change in value C1010 and addition of MR1014
				7*	1	1-5	Control, modulator - replacement of CV8852 by three semi conductor diodes
				8*	1	1-6	Antenna simulator - replacement of obsolete resistor
				9*	1	1	Control, modulator - resistor change to permit use of sub-standard CV4015
				10*	1	1-4	1st i.f. unit replacement of crystal unit
				11	1	1-4	Tuner, radio frequency, No 9 replacement meter
H 539				1*	1	1	Repair policy
					2*	1	Prevention of failure due to carbon dust
					3*	1	Efficiency of damping diode MR 51
					4*	1	Antenna simulator - replacement of resistor R2
					5*	1	I.F. unit - replacement of valve shield spring
					6*	1	
							<u>Station radio UK/VRC 310</u>
H 560					1	1-5	Data summary
H 566					1	1-2	Centrem
							15N
							<u>Station, radio, C50</u>
H 580					2	1-5	Data summary
H 582	1				1	0-02	Technical description
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					2	3-4A	
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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT	
	2				1	69-74A	Fault finding and repair data	
					1	75-76A		
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					1	0-07		
					3	1001-1004A		
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					2	1048A-1048B		
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					1	1059A		
					1	1060-1063		
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					1	1066-1108		
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					1	1111-1117		
					1	1117A		
					1	1118-1123		
					2	1124-1124A		
					1	1125-1137		
H 583					2	2001-2002		FORWARD coding
H 584					2	1-39		Unit repairs
					2	0-05		Field and base repairs
					3	1-8A		
					1	9-26		
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					1	104-137		
					1	1001-1004		
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H 586					1	1007-1015		
H 587					2	1-2	Centres	
					2	1-10	Mod instr index	
				1*	1	1-3	C50 improved earthing	
				2*	1	1	Receiver R236, fitting transistor clips in place of heat sinks on printed board 11	
				3*	1	1-3	TC50 - removal of resistors 2R3 and 2R4	
				4*	1	1-11	C50 - reduction of residual reverse power and mod level meter readings	
				5*	1	1-2	Increase in value of resistor 8R21	
				6*	1	1-4	R236 PEC (board 7) change of R18, R19, R20 change of system switch wiring	
				7*	1	1	Modification of R236 tuning mechanisms to obviate drive failure	
				8*	1	1-3	Transmitter, radio, C50, increase in value of IC90	
				9*	1	1-2	Amp r.f. No 13 - replacement of	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
H 587				10*	1	1-3	wiring links
				11*	1	1-3	R236 - addition of 8R28, 2.4Kohms
				12*	1	1-3	R236 - securing capacitor C11 on printed circuit board 6
				13*	1	1-3	R236 - resistor 17R11 change in value
				14*	2	1-6	R236 - earthing centre spigot of 2V3 valve holder
				15*	1	1-4	R236 board 7: addition/replacement of 13C12
				16*	1	0	Stray pick-up minimization
				17*	1	1-4	TRC50 shock hazard - elimination
				18*	1	1-3	Sub-unit inter-wiring links - replacement
				19*	1	0	Transmitter C50 - change in value of resistors 1R35 and 1R36
				20*	1	1-2	Transmitter C50 - resistors 3R2 and 3R4 replacement by 8W components
				21*	1	1-3	R236 - prevention of instability
				22*	1	1-2	R236 - change in value of 8R11
				23*	1	1-5	
				24*	1	1-2	R236 board 8 - change of type and value of 14C3
				25*	1	1-8	Improvements to antenna framework
				26*	1	1	PSR49, modified fixing of resistor R11
				27*	1	1-3	R236 - Intermittent contact of RDM attenuator and fitting extended modification record plate
				28*	1	1-2	R236, oscillator unit, elimination of mechanical weakness and removal of self-oscillation
				29*	1	1	R236 oscillator unit, alignment difficulties
				30*	1	1-3	Adaptor, antenna to mast
				31*	1	0	Increase reliability of switch SA
				32*	1	1-4	
				33*	1	1-2	R236 - Change of value of resistor 7R10
				34*	1	1-3	R236 - replacement of 12RV1
				35*	1	1-4	Introduction of flexible cable retainers
				36*	1	1-2	Replacement of circlip with a collar
				37*	1	0	RFA 13 - replacement of centrifugal fan
				38*	1	1-7	
				39*	1	1-10	RFA 13, change of cable assemblies
				40*	1	1-6	Fan replacement to improve C50 Mk 1 cooling
				41*	1	1-3	RF drive unit - prevention of co-axial cable breakage
				42*	1	1-3	Change of capacitor 8C3
				43*	1	1-4	PS 49 - addition of protection bars to the chassis
				44*	1	0	Board 3 - instability of a.f. stages when 'Mute' is on
				45*	1	1-8	Board 3 - replacement of 7TR4 and 7TR5
				46*	1	1-4	RFA No 13 - replacement of screen grid ring and capacitor rings
				47*	1	0	RFA No 13 - replacement of anode retainer ring
				48*	1	1-4	R236, Board 1, prevention of instability
				49*	1	1-5	Antenna log - stabilisation of the arrays
				50*	1	0	R236 - modification of PCM circuits
				51*	1	1-5	
				52*	1	0	RF driver unit assembly - conversion for use in TRC50 Mk 2
				53*	1	1-5	TRC50 - Conversion of transmitter to include new modulation metering cct and outstanding modifications to the TRC50 Mk 2 specification
				54*	1	1-9	
				55*	1	1-4	
				56*	1	1-22	

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				50*	1	1-3	PS sub-assemblies - conversion for use in TRC50 Mk 2
				51*	1	1-2	Receiver R236 - board 1 - adjustment of 6L1 and 6L2
				52*	1	1-4	TRC50 Mk 1, 2 - replacement of fan axial (X2/4140-99-112-9085)
				53*	1	1	Change of MR2, MR3 and R31 and R33 in RFA 13
				54*	1	1	RFA 13 - production changes to paddle switch
				55*	1	1-4	TRC50 Mk 1 and 2 - replacement of capacitor 3C6
				56*	2	1	TRC50 Mk 1 and 2 - increase in value 3C3, 3C4 and 3C5
				57*	1	1-4	Amplifier RF No 13 - Introduction of mounting brackets for trimming capacitors C4 and C5
				58*	1	1-3	Power supply No 49 - repositioning of capacitor C2
				59*	1	1-4	PSR No 49 - transposition of L1 and 2 wiring
				60*	1	1-10	Amplifier r.f. No 13 - failure of valves CV6137
				61*	1	1-2	Power supply rectifier No 49, addition of insulator plate to isolate RLB/3 contact B3 and removal of resistor R13 and capacitor C18
				62*	1	1-2	Amplifier RF No 13, addition of insulator plate to isolate RLD/2 and removal of resistor R39 and capacitor C31
				63*	1	1-3	Receiver R236 - board 8 - change in value of C3
				64*	1	1-3	TRC50 Mk 2 - high reverse power meter readings
				65*	1	1-8	PS No 49. To prevent loss of transmission when mains supply breaks for less than 2 seconds.
				66*	1	1-3	Board 10 - change in value of capacitor C6
				67*	1	1-3	Board 3 change in value of resistor R3
				68*	1	1-2	Replacement of obsolete transistor (5961-99-037-3135) AFZ 12
H 588	1			1	1	1-19	Inspection standards
H 589				1*	1	1-2	Amplifier, r.f. No 13 - air control switch assembly
				2*	1	1-2	TRC50 - failure of IL3 to resonate
				3*	1	1	Amplifier r.f. No 13 - correct orientation of slow motion drive securing plate
				4*	1	1	Transmitted - fouling of fan blades
				5*	1	0	Receiver radio R236 - incorrect FDM input attenuator markings
				6*	1	1-2	Amplifier r.f. No 13 - breakdown of in-build capacitors
				7*	1	1	Replacement of C50 Mk 2 fan unit
				8*	1	1	Replacement of function switch SA tension spring
				9*	1	1	Interference on engineering channel
				10*	1	1	TRC50 and amplifier r.f. No 13 - valve electronic CV2799
				11*	1	1	Amplifier RF No 13 - replacement of valve electronic CV8348 and change of retainer
				12*	1	1	Receiver radio R236 - ferro magnetic cores loose
				13*	1	0	Failure of receiver R236 to meet 400kHz bandwidth
					1	1	

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				14*	1	1	Adaptor radio frequency cable Z32/5935-99-220-7218 component failure Replacement of captive nuts
				15*	1	1	
H 590 H 592	1 2				2	1-5	Data summary
					1	1-100	Technical description
					1	1-9	Fault location and repair data
					1	2001	FORWARD coding
H 593 H 594		0 1			1	1-5	Unit repairs
					1	1	Index
					1	01-07	RT 321
					2	1-16	
					3	17-24	
					2	25-30	
					3	31-34	
					2	35-44	
					3	45-46	
					2	47-52	
					3	53-54	
		2			3	0	TURF 25W
					2	1-10	
	3	3			1	1-4	Selector unit radio frequency 25W
					3	1-41	Automatic testing field
					2	1-13	Repair charts
H 596 H 597				1*	1	1-7	Lowering of automatic level control (ALC) threshold voltage
				2*	1	1-4	Provision of satisfactory interface with ARF 250W
				3*	1	1	To prevent coaxial connectors on the oscillator local 2nd (area ref 8) fouling the RT 321 case on entry
				4*	1	1-5	Reduction in RF emissions
				5*	1	1-5	Incorporation of capacitor mounting board in TURF 25W
				6*	1	1-4	Addition of antenna tuning data labels to Turf 25W
				7*	1	0	Addition of shield to magnetically screen 1st and 3rd local oscillator, area ref 7, and its leads
					1	1-4	To prevent coaxial connectors on Oscillator local 2nd (area ref 8) of the RT 321 fouling case on entry
				8*	1	1-3	Prevention of a.l.c. instability
				9*	2	1	Prevention of ripple in the 5V line of the RT 321
				10*	1	1	Increase in a.m. modulation depth under RTT conditions on RT 321
				11*	1	1	Reduction in adjacent channel blocking of the RT 321 receiver
				12*	1	1	Adjustment of ALC operating levels at -40°C on the RT 321
				13*	1	1	Elimination of the requirement to fit selected matched pairs of tran- sistors in positions 1da TR6 and 1da TR8
				14	2	1	Improved intermodulation products (IPs) with two tone output on transmit
				15*	1	1	Lowering of ALC threshold at RF wideband amplifier of the RT 321
				16*	1	1	Improved AGC performance
				17*	1	1	Addition of inductor to permit the use of slow switch off transistors in the PSU assembly of the RT 321
				18*	1	1	Renewal of elapsed time indicators (ETIs)
H 599				1*	1	1-2	Replacement Cap for the 28 V push
				2*	1	1	

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
				3*	1	1	button switch Correct orientation of connector panel assembly on the Turf 25W
							<u>Station radio VRC 322</u>
H 600					1	0	Data summary
					1	1-4	
H 602	1	0			1	1	Index of sections
		1			1	1-5	General information
		2			1	1-62	Amplifier, radio frequency, 250 W
		3			1	1-33	Tuning unit, radio frequency, 250 W
	2	2			1	0-01	Amplifier, radio frequency 250 W
					2	1	
					1	2-6	
					1	2001	FORWARD coding
		3			1	1-10	Tuning unit, radio frequency, 250 W
					1	2001	FORWARD coding
H 603		0			1	1	Index of sections
		1			1	1-6	Amplifier RF 250 W
		2			1	1-4	Tuner unit RF 250 W
H 604	1	0			1	1	Index to sections
		1			1	1-18	General information
		2			1	1-68	Field repairs
		3			1	1-35	Tuner unit radio frequency 250 W
H 606					2	1-11	Repair charts
H 607				1*	1	1	Provision of a circuit for setting up current and voltage detectors in the Turf 250 W
				2*	1	1-3	Prevention of Turf 250 W fan operation in receive mode
				3*	1	1	Improved diode operating margins on Fins 2-5 of the ARF 250 W
				4*	1	1	Satisfactory operation of the ARF 250 W EHT drive at low battery voltage
				5*	1	1	Reduction in temperature of grid drive assembly (area ref 2k) of ARF 250 W
				6*	1	1	Change to circuit time constant (area ref 3h) on the ARF 250 W
				7*	1	1	Improved diode operating margins on the bias and screen assembly (area ref 3g) of the ARF 250 W
				8*	1	1	Prevention of false operation of the metering and logic assembly (area ref 2g) on the ARF 250 W
				9*	1	1	Thermal uprating of inductors on the vericoil assembly (area ref 2c) of the ARF 250 W
				11*	1	1-4	Reduction in sensitivity of airflow sensor operation on ARF 250 W
				12*	1	1-4	Reduced current surge when 'READ Ia' is selected on ARF 250 W
				13*	1	1-4	Easier adjustment of automatic level control (a.l.c.) on ARF 250 W
				14*	1	1-3	Elimination of false trips of metering and logic (area ref 2g) on ARF 250 W
				15*	1	1-4	Correct operation of ARF 250 W VSWR detector trip
				16*	1	1-4	Elimination of voltage ripple on the input relay assembly (area ref 3k) of ARF 250 W
				17*	1	1-5	Change of starter capacitors when replacing blower fans on the ARF 250 W
				18*	1	1-3	Removal of filter and capacitor assembly (1d) lid of the TURF 250 W
				19*	1	0	Up-rating of fuse valve on Fins 2-5

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
H 609				20*	1 1	1-3 1	of the ARF 250 W Improved method of mounting 3j TRI-4 on the Bias and screen assembly of the ARF 250 W
				21*	1	1	Prevention of damage during switch off ARF 250 W
				1	1	1-2	Miscellaneous instruction index
				1*	2	1-3	Conditioning of ARF 250 W valve area ref 2aV1
				2*	1	1	IMMEDIATE Installation of ARF 250 W
H 610 H 612							<u>Station, radio, UK/VRC 353</u> Data summary Technical description
							15K
H 613	2						FORWARD coding Unit repairs
H 614	1						Field repairs
H 616	3						Automatic testing field Repair charts
H 617							Modification instruction index IMMEDIATE - Transmitter/receiver units - package modification Extended version of unit 2 printed circuit board cover Receiver, front end protection circuit change of resistor value Front Panel and Chassis Wired Assembly - IF unit, connector type change Amplifier IF - Unit 5 - connector type change (MOD STRIKE 1) SYNTHESISER - Electrical Frequency, elimination of possible short circuit condition between PEC 6d and cover (MOD STRIKE 1) Power supply unit - introduction of CMOS integrated circuits to reduce power consumption Power supply unit Spike suppression
				1*	1	1-2 1-4	
				2	1	1-2	
				3*	1	1-3	
				4*	1	0	
				1	1	1-5	
				5*	1	1	
				6*	1	1	
				7*	1	0	
				1	1	1-4	
				8*	1	1-3	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
H 619				9*	1	1-3	capacitors Power supply unit - increased blower drive decoupling capacitance
				10*	1	1	Transmitter assembly 4g - introduction of diodes
				11*	1	1	Synthesiser - change of resistor value to prevent out of lock condition
				1*	1	1	IMMEDIATE - Alignment of 2b board discriminator
				2*	1	1	Prevention of electrical short circuiting between unit 2(a) PEC and cover
				3*	1	1	Elimination of possible short circuit hazard on PEC 7b
				4*	1	1	Mechanical security of remote terminals
				5*	1	1-2	Frequency selector switch (FSS) central control knob locking pin, removal and re-assembly
				6*	1	1	Fitting of sub assembly 1b/1d
				7*	1	1	Refitting of plugs into rear of case
				8*	1	1	Panels electronic circuit - serial numbers
				9*	1	1	Radiation at UHF frequencies
				10*	1	1	Case locating blocks - treatment of surface corrosion
				11	1	1	Failure of ML1 and ML3 on 2C board
				12	1	1	Bonding of components on blower motor section
			13	1	1	Excessive residual deviation caused by cooling fans	
			14	1	1	Stains on transmitter valve (5960-99-038-0786)	
			15	1	1	Receiver assembly-modification label	
						<u>UK/FRC 390 (Storno CQF 630 series)</u>	
H 660					2	0	Data summary
H 662					2	1-7	
					1	0-01	Technical description
					2	1-10b	
					1	11-14	
					2	15-18	
					1	19-20	
					2	21-53	
					1	1001-1017	
					2	1018-1022	
					2	2001-2002	Forward coding
H 666					4	1-2	Centres
H 667				1*	1	1-3	Power amplifier PA 632 - improved reliability
				2*	1	0	Kits, electronic equipment CAF 635-7369 1 1-5 and CAF 672-7369 - incorporation of desk microphone and footswitch
					1	1-5	Power amplifier Pa 632 - frequency range identification
H 669				1*	1	1-2	Exciter module - repositioning of components
				2*	1	1	Band-pass filter BP 600 and i.f. converter IC 600 - permissible combinations
				3*	1	1	

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							<u>UK/VRC 391 (Sterno CQM 630 series)</u>
H 670					1	0	Data summary
					2	01	
					2	1-2	
					1	3	
					2	4	
					1	5-6	
					2	7-9	
H 672					1	0-02	Technical description
					1	1-2	
					2	3-8a	
					1	9-30	
					1	1001-1012	
					1	2001	FORWARD coding
H 676					2	1	Centres
H 677					1	1-2	Modification instruction index
				1*	1	1-3	Kit control unit - introduction of improved audio amplifier
				2	1	1-3	Replacement of obsolete speaker plug
				3	1	1-3	Replacement of obsolete socket on speakers
H 679					1	1-2	Miscellaneous instruction index
				1*	1	1	Vehicle mounted antenna - new base and whip
				2*	1	1	Antenna plug - replacement
				3*	1	1	Exciter Module-repositioning of components
				4*	1	1	Band-pass filter BP 600 and i.f. converter IC 600 - permissible combinations
							<u>Station, radio, C70</u>
H 700					1	1-3	Data summary
H 702	1				1	0-01	Technical description
					1	1-34	
					2	35-36	
					1	37-38	
H 702	2				1	0-01	Fault finding and repair data
					1	1001-1122	
					2	1123-1124	
					1	1125-1127	
					2	1128-1129	
					1	1130-1165	
					1	2001-2002	FORWARD coding
H 703					1	0-01	Unit repairs
					1	1-42	
					2	43-44	
					1	45-59	
					1	1001-1015	
H 704	1				2	0-03	Field repairs
					1	1-18	
					2	19-22	
					1	23-128A	
					1	129-132	
					2	133	
H 707				1*	1	1	Provision of self restoring push-button speak switch
				2*	1	1-3	Adaptor, antenna to mast
				3*	2	1-2	Circuit breaker trip button - replacement cover
				4*	1	1-2	Handset S1 No 7B pressel switches
				5*	1	1-2	Replacement of control knobs on u.h.f. section
				6*	2	1-2	Change of antenna couplers to 'C' screwlock
					1	3-4	

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EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
H 708	1				1	0	Inspection standards
H 709				1*	1	1-14	Termination u.h.f. (Siemens Rel stv 322a) overloading
				2*	1	1-2	Refitting of valve screening can retainer collar
				3*	1	1-4	Correction of frequency setting errors
				4*	1	1	Iron dust cores
				5	1	1	Replacement item for obsolete diode
							<u>Radio terminal set, UK/TSC500</u>
H 810					1	1-5	Data summary 61H
							<u>STATIONS, RADIO, D AND E SERIES</u>
							<u>Station, radio D11/R230</u>
I 040	1				1	1-5	Data summary 150
I 042	2				1	0-02	Technical description
					1	1-86	
					1	0-03	Fault-finding and repair data
					1	1001-1028	
					2	1029-1030	
					1	1031-1044	
					1	2001-2002	FORWARD coding
I 043					1	0-01	Unit repairs
					1	1-58	
I 044					1	0-01	Field and base repairs
					1	1-22	
					2	23-26	
					1	27-31	
					1	1001-1012	
I 047				1*	1	1-2	Index of modifications
					1	1-7	Adaptor, antenna to transmitter - replacement of R.F. contacts and tape guides
				2*	1	0	Conversion for single current teleprinter operation
				3*	1	1-3	Teleprinter switchbox - single cut-off switch
				4*	2	1-3	Adaptor, antenna to transmitter - locking of tuning control
				5*	2	1-2	Operator's control unit - reverse current elimination
				6*	1	1-2	Operator's c.u. - replacement of telegraph relay
					2	3	
				7*	1	1-3	Control indicator, type 5421A, earthing of front panel
				8*	1	0-01	Antenna system - plug and socket
					1	1-4	
				9*	1	1	Adaptor aerial-to-transmitter, failure of tape
				10*	1	1	Control indicator, changes to increase hand keying speed
				11*	1	1-3	Adaptor, aerial to transmitter - damage at 7MHz
				12*	1	1-2	Transmitter adaptor replacement insulator
I 049				1*	1	1-2	Adaptor, antenna to transmitter
				2*	1	1-2	Mast baseplate - provision for mounting 27 ft mast
				3*	1	1	Unmodified cables
				4*	1	1-4	Sub-units - re-positioning of modification labels
				5*	1	1-2	Safety interlock switches - regular

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				6*	1	0	checking and servicing Mk 4 plugs and sockets - limited replacement by Pattern 104
				7*	1	1-2	
				7*	1	1	Fitting anti-surge fuse on AC power distribution panel
							<u>Station, radio, D11/R234</u>
I 052	2				1	2001-2002	FORWARD coding
I 057					1	1-2	Index of modifications
				1*	1	1-2	Operator's c.u. replacement of telegraph relay
				2*	1	3	Control indicator, type 5421A - earthing of front panel
				3*	1	0-01	Directional coupler, antenna c/o system and connectors, modification plugs and sockets
				4*	1	1-4	Adaptor, aerial to transmitter - replacement of r.f. contacts and tape guides
				5*	1	1	Conversion to single current tele- printer operation
				6*	1	1	Teleprinter switchbox - signal cut- off switch
				7*	1	1	Adaptor, aerial to transmitter - locking of tuning control
				8*	1	1	Operator's control unit-reverse current elimination
				9*	1	1	Adaptor, aerial-to-transmitter, failure of tap
				10*	1	1	Control indicator, changes to increase hand keying speed
I 059				1*	1	1-2	Mast baseplate - provision for mounting 27 ft mast
				2*	1	1	Unmodified cable
				3*	1	1-4	Sub-units - re-positioning of modification labels
				4*	1	1	Station in 3 ton transportable container truck mounting
							<u>Station, radio, D13/R234 (2 Dual, diversity)</u>
I 060					1	1-6	Data summary
I 062	1				1	1-96	Technical description
	2				1	1001-1045	Fault-finding and repair data
					1	2001-2003	FORWARD coding
I 063					1	0	Unit repairs
					1	1-42	
I 064					1	1-29	Field and base repairs
I 067				1*	1	1-3	Control indicator type 6639A - earthing of front panel
				2*	1	1-3	Control indicator type 6640A - earthing of front panel
				3*	2	1-3	Operator's control unit, type 6639A - fitting a switch label
				4*	1	1-3	Control indicator - increased tele- printer keying distance
				5*	1	1	Control indicator ZA 56971 - increase of handkeying speed
I 069				1*	1	1-2	Safety interlock switches - regular checking and servicing
				2*	1	0	Mk 4 plugs and sockets - limited replacement by pattern 104
				3*	1	1-2	Re-orientation of plugs and sockets and corrections to labelling
				4*	1	1	Repositioning of modification record plates

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
K 019				10*	1	1	regulator board assembly
				11*	1	1	Battery charger AC - Change of integrated circuit on control boards
					1	1-2	Battery charge 28V DC - PEC (2)
				1*	1	1-2	replacement of resistors R15, R16 and capacitors C8 and C9
					2*	1	Miscellaneous instruction index
					1	1	Battery charger 14V and 28V DC - improvement of charging indicator lamp operation
K 020					1	0	Battery charger 14V and 28V DC - shortage of regulator board
					1	1	6130-99-646-6638
				3*	1	1	Battery chargers 14V DC 28V DC and battery charger AC: Alternative indicators
				4*	1	1	Battery charger and Battery defects
				5*	1	1-2	IMMEDIATE Clansman secondary batteries - explosions
						<u>Sine wave static inverter, transipack 606/ST/600M, Mk 2</u>	
K 060					2	1-3	Data summary
							17B
							<u>Conversion units for DC input</u>
						<u>Inverter, 200VA</u>	
K 062					1	0	Data summary
K 063					1	1-2	65C
					1	0	
K 064					1	0	Technical description
K 067					1	1-27	Unit repairs
					1	1001-1004	
K 068					1	1	Field and base repairs
K 069					1	0-01	
					1	1-20	
					1	1001-1005	
K 070				1*	1	1-2	Insulation of Diode 2D24
K 078				1*	1	1-5	Inspection standards
					1	1	DC input - reverse polarity and wrongly orientated plug
							<u>Sine wave static inverter (Transipack 606/ST/600M)</u>
K 077					1	1-2	Data summary
					1	1-4	Inspection standards, warning
							<u>Sine wave static inverter (Transipack 606/ST/1250/B)</u>
K 080					1	1-2	Data summary
K 088					1	1-4	Inspection standard
K 089				1*	1	1	Replacement module TP-TR3-STQ
							<u>Supply unit, vibratory, No 12, 12V input</u>
K 102					1	1-5	Technical description
					2	0	15I
					2	1001-1002	
					1	1003-1015	
					1	2001	FORWARD coding
K 103					1	1-3	Unit repairs
K 104					1	1-10	Field and base repairs
					1	1001-1006	
K 107				1*	2	1-2	Correction of operation on harness types A and B

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT	
K 109				2*	1	1	Serial number plate rivets	
				3*	1	1-3	Relay RLJ - replacement	
				1*	1	1-2	Relay contact connections	
				2*	1	1	Precautions necessary when connecting batteries	
				3*	1	1-2	Provision of a test vibrator	
				4*	1	1-2	Desiccators	
			5*	1	1-2	Replacement for relay RL-K		
			6*	1	1	Resistor R3 - replacement		
						<u>Supply unit, vibratory, No 12, 24V input</u>		
K 140					1	1-2	Data summary	
K 142	1				1	0	Technical description	
		2			1	1-5		
K 143					1	1-5	Fault-finding and repair data	
K 144					1	1-3	Unit repairs	
					1	0-01	Field and base repairs	
					1	1-9		
					1	1001-1011		
K 147				1*	1	1-2	Serial number plate rivets	
K 149				1*	2	1-2	Redesignation of EMERs	
				2*	1	1-2	Earth lead to negative battery socket	
							<u>Supply units, vibratory, No 12, Mk 2, 24V input ZA 50544</u>	
K 150					1	1-2	Data summary	15I
K 152	1				1	0	Technical description	
		2			1	1-8		
					1	0-04	Fault-finding and repair data	
					3	1001-1002		
					1	1003-1007		
					1	2001	FORWARD coding	
K 153					1	1-2	Unit repairs	
K 154					2	0	Field and base repairs	
					1	1-14		
					1	1001-1007		
K 157				1*	1	0	Fitting of polarized relay	
					1	1-8		
				2*	1	1-4	Change of Relay RLB	
				3*	1	1-3	Replacement of capacitors	
				4*	1	1	Replacement of capacitors C4a,b,c and d	
				5*	1	1-5	Replacement of PEC 6130-99-630-4814 and addition of four new diodes	
K 158					1	0	Inspection standards	
					1	1-9		
K 159				1*	3	1	Improvement of relay operation	
				2*	1	1-2	Precautions necessary when connecting batteries	
				3*	1	1-2	Provision of a test vibrator	
				4*	1	1-2	Deficient earth lead	
				5*	1	1-2	Desiccators	
				6*	1	1-2	Replacement of resistor R6	
				7*	1	1	Renewal of resistors R4, R17A and R17B	
				8*	1	1-2	Replacement of mechanical vibrator by solid state converter	
				9*	1	1	Replacement of obsolete capacitor	
							<u>Power supply 50A, and filter, radio frequency interference</u>	
K 370					1	1-4	Data summary	15G
K 372	1	0			1	1	Index to sections	
		1			1	1-12	Power supply 50A	
		2			1	1-2	Filter, radio frequency interference	
					1	1001-1002	Power supply 50A	
					1	2001	FORWARD coding	

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
K 373		2			1	1001-1003	Filter, radio frequency interference
		0			1	1	Index to sections
		1			1	1-4	Power supply 50A
K 374		2			1	1	Filter, radio frequency interference
		0			1	1	Index to sections
		1			1	1-19	Power supply 50A
K 376		2			2	1-4	Filter, radio frequency interference
K 377					1*	1	Repair charts
					1*	1	Power Supply 50A prevention of tripout when used with a UKK/VRC 322 station
					2*	1	Introduction of improved transformer
K 379					3*	1	Addition of resistor to damp primary of 3T1
					1*	1	Local manufacture of test cables
							<u>Battery superseders</u>
							<u>Power supply set, rectifier type, input 240/1/50, output 12/24V, 20/10A, No 2, Mk 1</u>
K 560					1	1-2	Data summary 87V
K 561					1	1-7	Technical description
K 562	1				1	1-7	Technical description
	2				1	1001-1006	Fault-finding and repair data
							<u>Power supply set, rectifier type, input 240/1/50, output 24V, 3.3A, No 1, Mk 1, Westalite type 107</u>
K 590					1	1-3	Data summary 65M
K 592					2	1-2	Technical description
					1	1001-1002	
							<u>Power supply transistorized, No 1, 24V</u>
K 700					1	1-2	Data summary 151
K 702					1	0-02	Technical description
					1	1-6	
					5	1001-1002	
					1	1003-1007	
					1	2001	FORWARD coding
K 703					1	0	Unit repairs
					1	1-2	
K 704					1	0-01	Field and base repairs
					1	1-11	
					1	1001	
K 707				1*	2	1-2	Fuses FS2 and FS3 - change of values
				2*	1	1-3	Change of relay RLB
				3*	1	1-2	Replacement of transistors
				4*	1	1-2	Change in value of capacitor C5
				5*	1	1-3	Replacement of capacitors
				6*	2	0	Replacement of VT1 to VT4 - value change of R3 to R6 and fitting C8 and C9
				7*	1	1	Replacement of capacitors C3a, b, c and d
K 708					1	1-5	Inspection standards
K 709				1*	1	1-2	Identification labels
				2*	1	1-2	Prevention of heat damage to printed circuit board
				3*	1	1	Replacement of captive screws
				4*	1	1-2	Measurement of heater supplies
				5*	1	1-2	CV7029 diodes, wrong polarity connections
							<u>Power supply, electronic type rectification, full-wave, 24V DC output</u>
K 720					1	1-2	Data summary 65N
K 722					1	0	Technical description
					1	1-12	
					1	1001	
K 727				1*	1	1-3	Replacement, on failure, of obsolete

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
K 728 K 729				1*	1 1	1-6 1	Inspection standard Replacement of zener diodes
<u>RADIO AND LINE ACCESSORY EQUIPMENT</u>							
<u>General</u>							
L 001					1	1	Summary of aerial tuning units 17G <u>Mast, telescopic, 12 metre, type 639</u>
L 010 L 012					1 1 1	1-2 1-7 1001-1003	Data summary Technical description <u>Antenna, discone, type L458</u>
L 027				1*	1	1-3	Replacement of antenna head body and locking bolt <u>Elevated antenna, 23-38M Hz Kit No 1, Z1/ZA 53379</u> <u>Elevated antenna, 36-60M Hz Kit No 1, Z1/ZA 53380</u>
L 030 L 032					1 1 1	1-2 1-4 1001	Data summary Technical description FORWARD coding
L 034					1	2001	Field and base repairs
L 037				1*	1	1-2 1001-1003	Base antenna element - addition of resistor
L 039				1*	1	1-3	Mounting, antenna and plug assembly <u>Mast, telescopic, 27 ft, No 1</u>
L 040 L 042					1 1	1-2 1-3	Data summary Technical description
L 044					1	1001	FORWARD coding
L 050* to L 059*					1	1-2	Field and base repairs <u>Mast, lightweight, C & S type SP48</u>
L 060* to L 069*					1	1-3	 <u>Mast, lightweight, C & S type SPM45</u>
L 070 L 072					1 1	1-2 1-10	Data summary Technical description
L 077				1*	1	1001-1010 1-3	1001-1010 Addition of guy collar, 80 ft guys and carrying handles
				2*	1	1-3	Valve, safety relief
				3*	1	1-3	Fitting of sleeve for adaptors antennae C50/C70

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
L 079				4*	1	1-5	Inflating pump - improved valve assembly
				5*	1	1-2	Stay adjuster replacement
				6*	1	1-2	Fitting of azimuth ring and indicator
				7*	1	1-3	Top section - new collar
				1*	1	1	Lubricating grease - recommended type
				2*	1	1	Cable guide - Z1/5820-99-106-0271 and 0276
				3*	1	1	Selection and fitting of seals on mast sections
							<u>Mast, antenna, pneumatic, 40 ft</u>
L 080					2	0	Data summary
L 082					1	1-3	Technical description
					1	0	
					1	1-4A	
					1	5-6A	
L 087					1	7-18	FORWARD coding Clamp loop - material changed to LMBWP for increased strength Valve, safety relief Modification to drain plug assembly Inflating pump - improved valve assembly Stay adjuster replacement Fitting of azimuth ring and indicator Mast clamps Lubricating grease - recommended type Cable guide - Z1/5820-99-106-0271 and 0276 Selection and fitting of seals on mast sections
				1*	1	2001	
					1	1-2	
				2*	1	1-3	
				3*	1	1-2	
				4*	1	1-5	
L 089				5*	1	1-2	Antenna group AS-2236/GRC (VHF log periodic) MK 1 and MK 2
				6*	1	1-3	
				1*	1	1-2	
				2*	1	1	
				3*	1	1	
				4*	1	1	
					1	1	
L 090					1	1-2	Data summary
							<u>Rejector unit B47 and B48</u>
L 100					1	1-3	Data summary
L 102					1	1-2	Technical description
					1	1001-1004	FORWARD coding Unit repairs Field and base repairs
L 103					1	2001	
L 104					1	1-2	
					1	1-7	<u>Rejector unit, V.H.F., No 3</u>
					1	1001-1002	
L 110					1	1-2	Data summary
L 112					1	1-2	Technical description
	2				1	1001-1004	FORWARD coding Unit repairs Field and base repairs
L 113					1	2001	
L 114					1	1	
					1	1-13	
							<u>Coupler, antenna, multi-channel</u>
L 140					1	1-2	Data summary
L 142					1	1-11	Technical description
					1	2001	FORWARD coding
L 144					1	1-2	Field and base repairs
L 147				1*	1	1-2	Coupling capacitors-change of value
				2*	1	1-2	Decoupling capacitors-replacement

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
							<u>Mast, telescopic, 12M (40ft), (AN Clark type PU12)</u>
L 200					3	1-3	Data summary
L 202					2	1-5	Technical description, Maintenance, Inspection
L 207				1*	1	1001-1004 1-3	Improved antenna mounting device
							<u>Clansman V.H.F. antenna systems</u>
L 210					3	1-7	Data summary 17N
L 212		0			3	1	Index of sections
		2			1	1-22	Tuning unit automatic antenna matching
					2	23-24	
					1	25-30	
					1	2001	FORWARD coding
		3			1	0	Adaptor R.F. antenna tuning ARFAT
					1	1-5	
					1	2001	FORWARD coding
		4			1	0	Initiate box
					1	1-10	
					1	2001	FORWARD coding
		5			1	1-9	Kit antenna, ground mounted monopole
		6			1	1-5	Kit, antenna, inverted Vee (30-76MHz)
		7			1	1-11	Kit antenna ground spike VHF (30-76MHz)
		8			1	1-10	Conversion kit antenna VHF (30-76MHz) ground spike to elevated
L 214		9			1	1-11	Antenna, elevated, wideband (VHF), 30-76MHz
		0			1	1	Index of sections
		2			1	1-22	Tuning unit automatic antenna matching
		3			1	1-9	Adaptor radio frequency antenna tuning (ARFAT)
		6			1	1-2	Kit Antenna inverted vee 30-76MHz
L 216		9			1	1-8	Antenna, elevated, wideband (VHF) 30-76MHz
		0			1	1	Index of sections
		2			1	1-4	Tuning unit automatic antenna matching
		3			1	1-3	Repair charts
		4			1	1-4	Initiate box
L 217		11		1*	1	1-3	Base antenna element
				1*	1	1-2	T.U.A.A.M. Recording of modifications prior to delivery
				2*	1	1	T.U.A.A.M. - Improve high temperature power handling capabilities
				3*	1	1	T.U.A.A.M. - Improvement of impedance tuning capabilities
				4*	1	0	T.U.A.A.M. - Power supply removal of synchronization circuit
				1	1	1-3	T.U.A.A.M. - Change in value of R9, R11 and addition of capacitor in power supply
				5*	1	1	T.U.A.A.M. - Change in value of R18 and R20 on logic 2 P.E.C.
				6*	1	1	Kit, antenna ground spike - change in value of C1
				7*	1	1	IMMEDIATE - Removal of diode DI to prevent power radiation in the tune mode
				8*	1	1-3	T.U.A.A.M. - Replacement of obsolete integrated circuit ML3 on logic 2 board (unit 6) L
L 219				1*	1	1	T.U.A.A.M. - change in value of resistors
				2*	1	1	T.U.A.A.M. - change to logic 2 PEC
							242/5999-99-635-1176
				3*	1	1	T.U.A.A.M. - changes to power supply
				4*	1	1	T.U.A.A.M. - run up procedure to overcome stiction in motors
				5*	1	1	T.U.A.A.M. - interim RF power drive source

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
							<u>Mast telescopic 8 metre</u>
I 227				1*	1	0	Nylon pistons - replacement 17N
				2*	1	1-3	Antenna adaptor and downlead assembly - strain relief
I 229				1*	1	1-2	Method of distinguishing between Nylon and Noryl pistons
				2*	1	1	Locking of screws in base
				3	1	1-2	Potential safety hazard when lowering the mast
							<u>Antenna tuning unit No 6 and No 8</u>
L 300/1					1	1-2	Data summary
L 302/1					1	0	Technical description
					1	1-2	
					1	1001-1003	
L 307/1				1*	2	1	Tuning knobs
L 309/1				1*	1	1-2	Redesignation of EMERs
				2*	1	1-2	Variable capacitors in Aerial tuning unit No 6
							<u>Miscellaneous</u>
							<u>Amplifier, r.f., No 9</u>
L 367				1*	1	1-2	Tuner, radio frequency - change of taper pin material 14Z
				2*	1	1	Tuner, radio frequency - change of coaxial cable
							<u>Station kit, radio, amplifier, r.f., No 7</u>
L 390					1	1-4	Data summary 158
L 392	1				1	1-19	Technical description
	2				1	0	Fault finding and repair data
					1	1001-1024	
					1	1024A	
					1	1025-1044	
					1	2001	FORWARD coding
L 393					1	1-2	Unit repairs
L 394					2	0-01	Field and base repairs
					1	1-24	
					1	24A	
					1	25-37	
					1	1001-1007	
L 397				1*	2	1-3	Amplifier, r.f. No 7 - prevention of over-run on aerial and PA tune drive assemblies
				2*	1	1-2	Captive cover on 70 ohms plug - replacement
				3*	1	1-2	Fitting of a captive nut to retain wire antenna mating screw
				4*	1	1-2	Modified clamp and coupling
L 399				5*	2	1-2	PSR47 - RLA contacts welding
				1*	1	1	PSR47 - RLA contacts welding
				2*	1	1	Obsolete relays RLC, RLD
				3*	1	1-2	Amplifier r.f. No 7 - carrying handles
							<u>Drive and monitor unit, SSB, No 1</u>
L 410* to L 419*							
							<u>Drive and monitor unit, SSB, No 2</u>
L 420* to L 429*							

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L 430 L 438					1 1	1-2 1-4	<u>Converter frequency Racal RFA 70D</u> Technical handbook - data summary 16C Inspection standard
L 442					2 1 1	1-2 3 1001-1003	<u>Keying unit, carrier frequency shift, No 1 with Reactance unit, carrier frequency shift, No 1</u> Technical description 15W
L 443*					1	1-3	Unit repairs
L 444*					1	1001-1002	
L 449				1*	1	1-5 1	Field and base repairs Redesignation of EMERs
L 450* to L 459*							<u>Keying unit, carrier frequency shift, No 2 (ZA 33600)</u>
L 460* to L 469*							<u>Modulator unit, No 20</u>
L 470 L 474 L 477					1 1 1*	1-2 1-2 1-3	<u>Frequency shift keying adaptor (H5011)</u> Data summary 65L Field and base repairs Fitting record plate and additional panel markings
L 490 L 492					1 1 1 1	1-2 0 1-7 2001	<u>Facsimile set, Muirhead, type D900/901 - AM/DJ</u> Data summary 65K Technical description
L 497				1*	2	1-2	FORWARD coding Fitting of high voltage warning labels
L 498 L 499					1 1* 2* 3* 4*	3 1-7 1-4 1-2 1 1	Inspection standard Amendments to manufacturer's handbooks Printed circuit interconnecting board Manufacturers handbooks - amendments Phasing timer adjustment
L 500* to L 509*							<u>Oscillator rack 188-LRE-2JA (used with Transmitter, radio E11)</u>
L 510* to L 519*							<u>Drive and monitor rack, F.S.K. (used with Transmitter, radio, E11)</u>

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
							<u>Drive and monitor equipment i.s.b./d.s.b.</u>
L 520	1				1	1-4	Data summary 15W
L 522					1	1-36	Technical description
	2				1	1	Fault-finding and repair data
L 523					1	1-2	Unit repairs
L 524					1	1-2	Field and base repairs
L 527				1*	1	1-3	Wiring changes to prevent overloading of 38V f.s.k. reversal relay supply
				2*	1	1-4	Improvement of h.t. decoupling
							<u>Tape maker 622 and power supply unit 863</u>
L 532					1	1-12	Technical description 47R
					1	1001-1006	(Confidential)
							<u>Adaptor telegraph radio low/high level</u>
L 540					2	1-4	Data summary 65J
L 542					1	1-38	Technical description
					1	1001-1023	
					1	2001	FORWARD codes
L 543	1				1	1-2	Unit repairs
L 544					1	1-8	Field repairs
					2	9-10	
					1	11-26	
L 546					2	1-6	Repair charts
							<u>Synthesizer, electrical frequency, set</u>
L 550					1	1-4	Data summary 14B
L 552	2				1	1-38	Technical description
					1	0	Fault finding and repair data
					2	1001-1067	
					2	2001	FORWARD coding
L 553	1				1	1-2	Unit repairs
L 554					1	0-01	Field repairs
					1	1-6	
					2	7-8	
	2				1	1001-1002	
					1	0	Intermediate and base repairs
					1	1-35	
L 556					1	1	Centremes
L 557				1*	1	1-2	Board 11, change of value of R31 and R34
				2*	1	1-3	Boards 5 to 9, fitting of a spacer
				3*	1	1-3	Fitting board protection covers
				4*	1	1-3	Board 10, change of value of 10C6
				5*	1	1-3	Change of rectifier MR1
				6*	1	1-3	Electric shock hazard
				7*	1	1	Change of capacitor C3
				8*	1	1-2	PEC board 10 - addition of capacitor C7
				9*	1	1-2	Alternative replacement for valve electronic CV 8711 and change in value of capacitor C12
L 558	1				1	1-4	Inspection standards
L 559					1*	1	1-4
					2*	1	Power supply unit - short circuiting of capacitor C3
					3*	1	Replacement of capacitor fixed (Z1/5910-99-106-1216) 33pf N 560 on boards 7 and 9
							<u>Facsimile set, Muirhead type D900/901-PD</u>
L 560					1	1-2	Data summary 65K
L 562					1	2001-2002	FORWARD coding
L 567				1*	1	0	Line switching unit - local testing facility

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L 569				2*	1 1	1-3 0	Facsimile transmitter - replacement of resilient mounts 3 re-designed items and fitting a cover support bar Receiver electronic unit - circuit modification Transmitter, electronic unit - circuit modification Fitting of high voltage warning labels Electronic unit, part of transmitter, facsimile Y2/5815-99-901-4398 - change of resistor R34 Drum assembly, part of transmitter, facsimile Y2/5815-99-901-4398 - drum discolouration <u>Radio telegraph adapter No 1 and No 2</u>	
				3*	1	1-2		
				4*	1	1-2		
				5	2 1	1-2 3		
				1*	2	1		
				2*	1	1		
				L 570				
L 572				1	1-2	Technical description		
	2			2	0			
				2	1-17			
				2	1001-1016			
				2	2001		FORWARD coding	
L 573				1	1		Unit repairs	
L 574				1	0-01		Field and base repairs	
L 576				2	1-30			
L 577				1	1		Centremes	
				1*	1	1-3	Printed wiring board G - change of R41	
				2*	1	1-3	Tape preparation facility	
				3*	1	1	Valve electronic CV7086 - prevention of breakdown	
				4*	1	1-4	Alternative board C - addition of diode	
				5*	1	1-3	New type Board A - removal of resistor to zero meter when testing and aligning	
L 579				1*	1	1	Edge-connectors <u>Burst coder equipment, AN/GRA-71</u>	
L 580				1	1-2	Data summary	47R	
						<u>Remote control units</u>		
						<u>Relay unit No 12</u>		
L 630				1	1-2	Data summary	14F	
L 632				1	1-3	Technical description		
				1	1001-1004			
L 634				1	1-4	Field and base repairs		
L 639				1*	1	Redesignation of EMERs <u>System control box No 2 (for station, radio, B70)</u>		
L 670				1	1-2	Data summary	14X	
L 672				1	1-6	Technical description		
				1	1001-1018			
				1	2001	FORWARD coding		
L 673				1	0	Unit repairs		
				1	1-3			
L 674				1	1-8	Field and base repairs <u>VHF applique unit (Larkspur)</u>		
L 690				1	1-2	Data summary	15I	
L 692				1	0-01	Technical description		
				1	1-8			
				1	1001			

EMER	PART	SECT	CHAP	INSTR	ISSUE	PAGES	SUBJECT
L 697				1*	1	0	Monitoring facilities of receive paths re-broadcast station Alternative base and belting fixing Cancellation Alternative meter mounting Replacement of obsolete relay <u>Bruin-nato tactical communication system interface equipment</u>
					1	1-5	
				2*	1	1	
				3*	2	1	
				4*	1	0	
					1	1-4	
				5*	1	0	
					1	1-7	
L 700					1	0	
					1	1-3	
L 702					1	0	Technical description
					1	1-30	
					1	1001-1002	
					2	1003-1004	
					1	1005-1006	
					2	1007-1012	
					1	1013-1019	
					1	2001	Forward coding
L 703					1	0	Unit repairs
					1	1-6	
L 704	1				1	1-13	Field repairs
					1	1001-1002	
L 706					2	1-3	Repair charts
							<u>Radio control harness, type A</u>
L 770					1	1-2	Data summary 14C
L 772	1				2	1-2A	Technical description
					1	3-42	
	2				1	0-01	Fault finding and repair data
					2	1000-1000A	
					2	1001	
					1	1002-1041	
					2	2001	FORWARD coding
L 773					1	1-3	Unit repairs
					1	1001	
L 774					3	1-2	Field and base repairs
L 777				1*	1	1	C.U. 31 indicator lamp
				2*	1	1-3	Improvements to microphone, hand, SI, No 3
				3*	2	1-4	Conversion of C.U.34, Mk 1 to give Mk 2 facilities
				4*	1	1-3	JD9, incorrect operation of relays
				5*	2	1-2	IMMEDIATE - JD9 - provision of voices call and crew monitor facilities
					1	3-6	
				6*	2	1-2	IMMEDIATE - JD8 - provision of drivers
					1	3	LT supply
				7*	2	1-2	IMMEDIATE - CU31 - provision of amplified IC
					1	3-4	
				8*	2	1-2	IMMEDIATE - CU34 - provision of commanders
					1	3	LT Supply
				9*	1	1-4	Interconnecting box (JD9) Mk 1, 24V - replacement of capacitor C1
				10*	1	0	IB Mk 1, 24V (JD9) Replacement of relay armature
					1	1-3	
				11*	1	0-01	JD9 Mk 1, 24V - fitting of PEC
					1	1-5	
				13*	1	1-5	Handsets SI 3A, 3B and 3C - Improved securing of the cord assembly
L 779				1*	1	1-2	Redesignation of EMERs
				2*	1	1	Remote handset - breakage of insulated terminal caps
				3*	1	1	Call circuit on initial equipments
				4*	1	1	Junction distribution No 9 - tray hinge
				5*	1	1-2	Microphone, magnetic, SI, tank mounting -

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				6*	1	1	prevention of switch failure Junction distribution No 9, relay RLC/1 operate current
				7*	1	1-2	Adaption of harness to provide extra facilities
							<u>Radio control harness, type B</u>
L 780					1	0-01	Data summary
					2	1-5	
L 782	1				0		Technical description
					2	01	
					3	1-2b	
					1	3-16	
					2	17-18	
					1	19-30	
					2	31-32	
					1	33-46	
	2				2	0-02	Fault-finding and repair data
					3	03	
					4	1001-1002A	
					1	1003-1006	
					2	1007-1008	
					1	1008A-1008E	
					1	1009-1012	
					1	1012A-1012D	
					1	1013-1016	
					2	1017-1018	
					1	1019-1026	
					2	1027-1032	
					1	1033-1038	
					2	1039-1040	
					1	1041-1062	
					2	2001	FORWARD coding
L 783					2	1-6	Unit repairs
L 784					3	1-2	Field and base repairs
L 787				1*	1	1-2	Incorrect wiring in boxes, junction 3-way, No 2
				2*	2	1-3	Fitting of switch stop to junction and control boxes
				3*	1	1-2	Interconnecting box, adapter, unit A, reception set - wiring change
				4*	1	0	Increase keying speed
					1	1-5	
				5*	2	1-6	Interconnecting box J2 - call circuit change to eliminate hazard in Ferret/ Vigilant installation
				6*	1	1-2	Interconnecting box - 3-set, J3 wiring changes
				7*	1	1-2	Telephone handset SI remote control
				8*	1	1-3	No 1 - insulation of terminals Interconnecting box, 3-set, J3 - switches replaced by an improved type
				10*	1	1-4	Amplifier, audio frequency (1 box) - replacement of obsolete transistor VT3
				12*	1	0	Interconnectinb box J1, improved calling system
					1	1-2	
					2	3-4	
					1	5	
				13*	1	1-2	Interconnecting boxes J1 24V No 1, 2 and 3 - replacement of RLA
					3	3-4	
				14*	1	1-4	Interconnecting box J2, 24V - replace- ment of RLA
				15*	2	0	1B J1 - prevention of arcing of RLC
					1	1-5	
				16*	1	1-4	Junction box J2 - fitting of reverse polarity diode (D1)
				17*	1	0	J1 No 1, 2 and 3 box - fitting of diode

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L 789				18*	1	1-5	I-box a.f. amplifier, reverse input polarity protection Interconnecting box 3-set J3-replacement of relay RLM Crewman personal unit - introduction of dust caps Crewman personal unit - introduction of switch guard Commander personal unit - introduction of switch guard Commander personal unit - introduction of dust cap Crewman personal unit - introduction of insulator plate Amendment to distribution Remote handset - breakage of insulated terminal caps Remote control unit R, 24V Adapter unit A reception set Interconnecting box lampholders Allocation of NATO part numbers to units Base and belting assemblies Interconnecting boxes J1, J3 and remote control unit R - relay replacement Interconnecting box J1 24V - relay RLC/1 operate current Retainer, transistor - replacement Fracture of the fuse holder interconnecting box J1 Ad aptation of harness to provide extra facilities Junction box J1 No 3 change of diode D1 Commander's personal unit assembly and crewman's personal unit assembly - securing of switch guard <u>Abbot communication system harness</u>	
				1	0			
				1	1-4			
				19*	1	1-4		
				20*	1	1-3		
				21*	1	1-3		
				22*	1	0		
				1	1-3			
				23*	1	1-3		
				24*	1	1-2		
				1*	1	1-2		
				2*	1	1		
				3*	1	1-2		
				4*	2	1-2		
5*	4	1						
6*	1	1						
7*	2	1-2						
8*	1	1						
9*	1	1						
10*	1	1						
11*	1	1						
12*	1	1-2						
13*	1	1						
14*	1	1						
L 790	1			1	1-6	Data summary	14E	
L 792				2	1-4	Technical description		
				1	5-10			
				2	11-13			
				1	1001-1003			
				2				
				1	0-01	Fault finding and repair data		
				2	02			
				1	03-04			
				1	1001-1010a			
				2	1010B-1010C			
				2	1011-1014			
				1	1015-1024			
				1	2001	FORWARD coding		
L 793	2			1	1-4	Unit repairs		
L 794				1	0	Field and base repairs		
				1	1-37			
L 797				1*	1	0		Receiver induction, improved switch actuator
				1	1-4			
				2*	1	1-3		Radio-line interconnecting box - switch SB replaced by an improved type
				3*	1	1-5		Interconnecting box, gun control-switched replaced by an improved type
				4*	1	1-7		Cable reel assembly - fitting improved brush and slip-ring and a new shaft
				5*	2	1		Cable reel handle assembly - production changes
				6*	1	0		Replacement of obsolete relays RLA, RLB, RLC and RLD
				1	1-3			

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L 799				7*	1	0	Replacement of obsolete relays RLA, RLB, RLC and RLD Interconnecting box, gun control. Replacement of resistors Cable reel assembly continuous connection (Y3/YC/00433) - refitting contact strips Cable reel assembly - replacement of mild steel shaft Interconnecting box, gun control - replacement of switches Cable reel contact strips - modification and replacement
					1	1-4	
				8*	1	1-7	
				1*	1	1	
				2*	1	1	
				3*	1	1	
			4*	1	1-3		
L 800	1				2	1-4	Data summary 17N
L 802				1	0-02	Technical description 17N	
	2				1	1-2	Fault finding and repair data
				2	3-10a		
				1	11-85		
				2	86-89		
				1	90-93		
				2	94-105		
				1	106		
				1	0-05		
				3	1001-1002		
				4	1003-1004a		
				1	1005		
				2	1006-1007		
				1	1008-1023		
				2	1024-1025		
				1	1026-1035		
				1	1035A		
				1	1036-1037		
				2	1038-1039		
				1	1040-1043		
				1	1043A-1043B		
				1	1044-1045A		
				2	1046-1049		
				1	1049A-1051A		
				2	1052-1055		
				1	1055A-1057		
				2	1058-1059A		
				2	1059B		
				2	1060-1061		
				1	1062-1072		
				2	1073-1074		
				1	1075-1080		
				2	1081-1082		
	1	1083-1092					
	2	2001-2002					
L 803					1	1-4	FORWARD coding
L 804				2	0	Unit repairs	
				3	01	Field and base repairs	
				1	02-06		
				2	1-2		
				3	3-6b		
				2	7-12		
				4	13-16		
				2	17-22		
				4	23-24		
				2	25-26		
				3	27-28		
				2	29-30		
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				2	33-36		
				3	37-38		
	4	39-40					

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L 806					2 3 1 1 3 2 4	41-54 55 57-67 0 1-2 3-18 19-25	<p>Commanders personal unit - fitting a switch guard to the Presel switch (1S2)</p> <p>Interconnecting box - 2 radio - reduction of signal from microphone amplifier when switched to radio</p> <p>Crew box 2 set - elimination of switch/transformer foul</p> <p>Interconnecting box - 2 radio (IBS2) - headphone amplifier gain improvement</p> <p>C.P.U. or R.P.U. failure of frequency response tests at 3 kHs</p> <p>CBF and CB2 monitor radio gain improvement</p> <p>Audio extension lead (AEL) (5820-99-117-6142) - omission of pin C from IPL1</p> <p>Loudspeaker free standing (LSF) (Z1/5965-99-117-6264 - substitution of a panel electronic circuit for the resistor block assembly (5905-99-631-7455)</p> <p>Repair/modification of early production equipments ("Yellow-banded" models)</p> <p>R eplacement of wafer switches on failure</p> <p><u>Clansman secure speech harness</u></p> <p>Data summary</p> <p>List of chapters</p> <p>Introduction</p> <p>Brief system description (Phase 1)</p> <p>System interface (Phase I)</p> <p>Digital master unit</p> <p>Interconnecting box rebroadcast unit</p> <p>DM box (Clansman)</p> <p>Control, radio set, RCDM unit</p> <p>Warning unit, audible</p> <p>Commanders box fixed (Digital) CBF(D)</p> <p>List of chapters</p> <p>Digital master unit</p> <p>Interconnecting box rebroadcast unit</p>	
L 807				1*	1	0-01		
				2*	1	1-3 1-5		
				3*	1	1-2		
				4*	1	1-3		
				5	1	1-2		
				6	1	1-3		
L 809				1*	1	1		
				2*	1	1-2		
				3*	1	1-2		
				4*	1	1-7		
L 820 L 822	1		000 100 101 102 300 304 307 308 309 310 000 300		1 2 2 1 1 1 1 1 2 1 1 1 2 1 2 1 1 2 1 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2	1-4 1 1-2 3-6 1-5 1-5 0 1-34 35-36 37-46 1-21 1-7 0 1-2 3-4 5-8 1-3 1-14 1 1-2 3-4 5-8 9-16 17-20 21-22 23-24 25-34 35-36 37-38 39-46 47-48 49-50 1-14 15-18		<p>17N</p>

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					2	27-28	
					1	29-30	
			307		1	1-10	DM box (Clansman)
			308		1	1001-1005	Control, radio set, RCDM unit
			309		1	1-4	Warning unit, audible
			310		1	1-4	Commanders box fixed (Digital) CBF(D)
					2	5-8	
L 823			999		1	2001-2002	FORWARD coding
					2	1-2	Unit level repairs
L 824	1		000		1	3-5	
			300		2	1	List of chapters
					1	0-01	Digital master unit
					2	1-2A	
					1	3-4	
					2	5-6a	
					1	7-36	
					2	37-40a	
					1	41-52	
					2	53-54C	
					2	55-56a	
					1	57-72	
			304		1	0-01	Interconnecting box rebroadcast unit
					2	1-2A	
					1	3-20	
					3	21-22	
					2	23-25	
			307		1	1-7	D M Box (clansman)
			308		1	1-5	Control, radio set, RCDM unit
			309		1	1-4	Warning unit audible
			310		1	1-4	Commanders box fixed Digital CBF(D)
					2	5-16	
					1	17-20	
L 826					1	1-11	Repair charts
L 827				1*	1	1-3	DMU Line reception and sidetone gain increase
L 828	1		000	2	1	1	DMU - Obsolete Capacitor C5
			300		1	1	List of chapters
			304		1	1-29	Inspection standards
L 829				1*	1	1-7	Interconnecting box rebroadcast unit
					1	0	Audio input p.e.c. - change of resistor style (R28 and R61)
				2*	1	1	Fitting of transistor VT 100 (BD 132)
				3	1	1	Fitting of a longer securing screw
				4	1	1	D.M.U. handle fastener - alignment
				5	1	1-2	Panel electronic circuit, (Radio)
				6	1	1	P.S.U. filter board - bypassing of transistor TR1
				7	1	1	D.M.U. handle hinge pins - securing
				8	1	1-2	Physical size of capacitor C5 on DMU audio P.E.C.
							<u>TOOLS AND MISCELLANEOUS TELECOMMUNICATIONS ENGINEERING EQUIPMENT</u>
							<u>Irons, soldering, electric miniature</u>
M 027				1	1	1-2	Replacement of mains lead
							84K
							<u>Test kits</u>
							<u>Functional test unit No 3</u>
M 130					1	1-2	Data summary
M 132					1	1-22	Technical description operating instructions and unit and field repairs
M 138	1				1	1-4	Inspection standard
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M 140					1	0	<u>Test kit, Abbot communication system</u> Data summary
M 142					1	1-3	
					1	1-5	Technical description
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							<u>Kits, testing, vehicle and man-pack radio sets</u>
M 150					2	1-2	Data summary
M 152	1				1	0-02	Technical description
					1	1-12	
					2	13-14	
					2	1001-1002	
	2				2	1001-1002	Fault-finding and repair data
					1	1003-1018	
					2	1019-1020	
					1	1021-1031	
M 154					2	2001-2002	FORWARD coding
					1	0	Field and base repairs
M 157					2	1-2	
				1*	1	1	VCR control switch
				2*	1	1-2	Connection boxes, testing, vehicle and manpack radio sets
				3*	1	1-2	18- and 25-point connections - fitting cable clamps
				4*	1	1-4	Connection boxes, testing S, provision of additional facilities
				5*	1	0-01	Interconnecting box testing C42/C45 No 3
					1	1-8	
				6*	1	1-3	Aerial, dummy, relay switched ZD 04002 - replacement of obsolete relay
				7*	1	0	Fitting keying-jack and alteration to microphone circuit
					1	1-5	Cable assembly, special purpose, branched - obsolete sleeving
M 159				1*	2	1-2	Use of signal generator, video frequency connection box, testing vehicle and manpack radio stations
				2*	1	1	Warning when used with TRC 42 or TRC 45
				3*	1	1-2	Incorrect position of VCR high/low switch
				4*	1	1	Test lead - increased length
				5*	1	1	Branched connector (ZD 04013) - replacement
							B7G adaptor
				6*	1	1	Branched connector (ZD 04013) replacement
							<u>Test rig, electrical, manpack radio, A40/41/42</u>
M 160					1	1-3	Data summary
							<u>Test rig, electronic vehicle radio sub units</u>
M 170					1	1	Data summary
M 171					1	0-02	Operators instructions
					1	1-58	
M 172					1	0	Technical description
					1	1-13	
					1	1001-1020	
					1	2001	FORWARD coding
M 179				1*	1	1	Monitor unit - failure of meter M1
							<u>Test kit, radio, SRA13</u>
M 180					1	1-3	Data summary
M 182					1	0-03	Technical description
					1	1-9	
					1	1001-1010	

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M 184					1	2001	FORWARD coding
					1	0	Field and base repairs
M 189				1*	1	1-3	Cable assembly (Z4/5995-99-103-4050)
				2*	1	1-2	change of Mk 4 plug
						1	Jack tip (socket electrical)
							<u>Test kit, radio, transmitter-receiver A43R Mk 2</u>
M 190					1	0	Data summary
					1	1-2	
M 192	1				1	1-3	Technical description
	2				1	1001-1013	Fault-finding and repair data
M 194					1	1	Field and base repairs
							<u>Kit, testing, station, radio, C41/R222</u>
M 202	1				1	0	Technical description
	2				1	1-9	
					1	1001-1016	Fault-finding and repair data
					1	2001	FORWARD coding
							<u>Test kit, radio, SRD11-SRD13/R230-R234</u>
M 210					1	1-3	Data summary
M 212					1	0	Technical description
					1	1-11	
					1	1001-1020	
							<u>Test kit, radio SRC70</u>
M 220					1	1	Data summary
M 222					1	1-6	Technical description
					1	1001-1017	
M 224					1	0	Field and base repairs
					1	1-12	
M 229				1*	1	1-2	Test lead assembly details
							<u>Test kit, radio, SRC50/R236/AMP, RF No 13</u>
M 230					1	1-2	Data summary
M 232					1	1-13	Technical description
					1	1001-1015	
M 237				1*	1	1-2	Synthesiser electrical frequency (Z1/5820-99-104-4613) - addition of items required for testing
				2*	1	1-4	MDU - earthing system
							<u>Kits, testing, radio, installation, FT1</u>
M 250					1	1-3	Data summary
M 252	1				1	1-11	Technical description
	2				1	0	Fault-finding and repair data
					1	1001-1011	
					1	2001	FORWARD coding
M 253					1	0	Unit repairs
					1	1-4	
M 254					1	0-01	Field and base repairs
					1	1-10	
					1	1001-1003	
M 257				1*	1	1-4	Modification of earthing arrangements in test unit
				2*	1	1-2	Removal of adaptor pins
				2*	2	1-2	Removal of adapter pins
				3*	1	1-2	Amendments to test cards
				4*	1	1-4	Adaptors, 12/18-way - additional wiring

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				5*	1	1-2	Replacement of resistor R8
				6*	1	0	Additional test cards and adapters
					1	1-5	
				7*	1	1-3	Addition of shorting plug
				8*	1	0	Sealing cover replacement
M 258					1	1-3	
					1	0	Inspection standards
M 259					1	1-8	
				1*	1	1-2	Earthing of test set, radio
				2*	1	1	Test card pegs and main selector switch
				3*	1	1	Printing error on instruction card 36
				4*	1	1	Replacement of rectifiers MR1 and MR2
				5*	1	1	Replacement of resistors R1, R2, R3, R5 and R7
				6*	1	1	200W dummy load replacement when lamp unobtainable
							<u>Test set FT2</u>
M 260					1	1-2	Data summary
M 262	1				1	1-10	Technical description
	2				1	1001	
					1	1001-1005	Fault-finding and repair data
					2	1006-1007	
					1	1008-1009	
					1	2001	FORWARD coding
M 263					1	1-2	Unit repairs
M 264					1	1-8	Field and base repairs
M 267				1*	1	1-3	Replacement of instruction plate and provision of adapter
							<u>Test kit, sound ranging No 2 Mk 1</u>
M 280					1	1-2	Data summary
M 282					1	1-52	Technical description
					1	1001-1017	
M 287				1*	1	1-2	Sub-unit 31 - change in value of C7, C8, C11 and C12
				2*	1	1-4	Sub-unit 52 - increase rating of R1
				3*	1	1-4	Conversion of the calibrator unit to a positive earth system
				4*	1	1-3	Sub-unit 28 - replacement of transistors VT5, 12 and 19
							<u>Test kit, radio amplifier, r.f., No 7</u>
M 290					1	1	Data summary
M 292	1				1	1-16	Technical description
	2				1	0	Fault finding and repair data
					1	1001-1027	
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M 294					1	0	Field and base repairs
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M 297				1*	1	1-2	Simulator - replacement of defective coil L4
							<u>Test rig, electronic, SRA13 sub-units</u>
M 300					1	1-2	Data summary
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M 319				1*	1	1	Module K - additional RLA tests

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M 321					1	1-6	Operators instructions
M 322					1	1-5	Technical description
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M 324					2	0-01	Field and base repairs
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M 327				1*	1	1-2	Board 2 - change in value of R27
							<u>Test kit, radio, SRA14</u>
M 330					1	1-2	Data summary
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				3*	1	1-3	Test set, radio, SRA14 - replacement of resistors when fitting new type power supply modules
							<u>Test set, radio, type 678P-1</u>
M 340					1	0	Data summary
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M 350					1	1	Data summary
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M 380					1	1-3	Data summary
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				3*	1	1-5	Interface Clansman module, reduction of audio frequency instability
				4*	1	1-5	Interface PRC-320-RCLU module, new wires for additional test facility
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				6*	1	0	Modification instructions
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				7*	1	1-5	Immediate-Control supply module, re-siting of R6 to reduce overheating
				8*	1	1-8	Control test condition - fitting of an elapsed time indicator
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M 389					1	1-8	Inspection standard
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				4*	1	1	Replacement type collet knobs on front panel
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				6*	1	1	Incorrect use of the Voltmeter Digital CT 577/3
				7*	1	1	Interoperability of Voltmeter Digital CT 577/3 in the Clansman TRE and ATE
				8*	2	1	Use of Datron D.V.M. 1041M in t.r.e.
				9*	1	1-2	Control test condition - provision of AF and remote terminals loads for the RT 351
				10*	1	1-2	Test controllers No 1 and No 2 - R.F. loads in test condition
				11*	1	1	Test controllers No 1 and No 2 - side on all modules
				12*	1	1-2	Fitting of oscilloscope type D in TRE double racks
				13*	1	1	Use of RT 353 data test set in conjunction with the frequency extender 9064 in the TREE
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M 390					1	1-8	Technical handbook-data summary
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				4*	1	1	Printer test data introduction of buffer amplifiers to input data lines
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							<u>D.C. TELEGRAPH MACHINES</u>
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				2*	1	1	Lamp transformer - primary tapping
				3*	1	1-2	Power supply cable connections
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							<u>Teleprinter T100/R Mk 2</u>
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							<u>Perforators and reperforators</u>	
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				21*	1	1-3	Drive unit - alternative ball thrust bearing
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				23*	1	1-4	Fitting of new motor control switch bracket
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				25*	1	1-2	Separation of alarm wires from main cableform and introduction of earthing improvements to overcome electrical interference
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S 279				1*	1	1-16	Provision of access to the electronic unit fuses
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							<u>Printing reperforator 50/75 bauds type EPRI/RAF</u>
S 287				1*	1	1-5	Time base printed wiring board replacement
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				2*	1	1-11	Translator unit - improvement to reset arm
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				4*	1	1-15	Time base printed wiring board replacement
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							<u>Auto-transmitters</u>
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				11*	1	1-2	Electronic distributor - 6V or 80V operation
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				13*	2	1-5	Fitting screened interconnection cable
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				1*	1	1	Channel No coder unit peckers
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						<u>TELEPHONES, TELEPHONE LINES, SWITCH- BOARDS AND EXCHANGES</u>	
						<u>Dials, telephone, automatic</u>	
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							<u>Magneto switchboards</u>
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U 040					1	1	Data summary 17M
U 042					1	1-2	Technical description
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U 043					1	1-2	Unit repairs
U 044					2	1	Field and base repairs
U 046					2	1-2	Identification list and repair schedule
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U 070					1	1-2	Data summary
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U 197				1*	1	0	Desk light - fitting improved type of captive screws
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				4*	1	1-6	Protective cover for indicators
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U 198	1			6*	1	1-3	Inspection standards
U 199					1	1-5	Relay assembly units, end units excessively tight
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				6*	2	1-2	Contact assembly electrical, 2-contact, inner springs fouling jack plug tips
				7*	1	1	Replacement of obsolete telephone jack
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U 222					1	0	Technical description
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				3*	1	1	Replacement of obsolete regulator unit
						1-8	Reduction of crosstalk in the switch-board
							Inspection standard
							<u>Circuit distribution aids</u>
U 230					1	1-3	Data summary
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U 239				1*	1	1	Cable telephone, 10-pair - protection of rubber tail bushings
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U 242					2	1	Technical description
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U 247				1*	1	1-2	Insulating diode MR3 in transistor
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							Additional support for plinth mounted capacitors
U 248				3*	1	1	Replacement of obsolete regulator unit
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							<u>Teleprinter monitor unit</u>
U 440					1	1-3	Data summary
U 442					1	1-3	Technical description
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							<u>Teleprinter conference unit</u>
U 450					1	1-3	Data summary
U 452					1	1-5	Technical description
U 457				1*	1	1-10	Provision of additional facilities
U 458					1	1-6	Inspection standard
							<u>Ancillaries</u>
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				2*	1	1-3	Power unit - rectifier failure
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				11*	1	1-3	Time base generator - resistor RF18
				12*	1	1-5	Reader control circuit repositioning diodes
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							<u>Convertor, signal data</u>
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U 527				1*	1	1-3	Line isolator sub-assembly - fitting of protective diode
				2*	1	1-3	Improvements to power supply mains input plug
				3*	1	1-5	Time base printed wiring board replacement
U 528					1	1-6	Inspection standard
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							<u>Telegraph automatic routing in the field (Tariff) (and field pressurization kit)</u>
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U 532	1	2			1	1-15	Technical description
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				6*	1	1-3	Introduction of new identification plate
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				2*	1	1-3	Introduction of a temporary alarm system to indicate low battery terminal voltage
				3*	1	1	Reduction of spatial radiation in the line monitor unit
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U 578					1	1-6	Inspection standard
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				2*	2	1-3	Replacement of resistors in tie line relay sets
U 608					1	1-13	Inspection standard
U 609				1*	1	1	Bobbin resistors on relay sets working loose due to vibration
					2*	1	Loosening of components due to vibration
					3*	1	Faulty diodes
							<u>Exchange, telephone, automatic, 40-line</u>
U 610					1	1	Data summary
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U 617				1*	1	1-4	Relay sets - introduction of modified locking bars
					2*	1	Relay sets - protective guard brackets
					3*	2	Replacement of resistors in tie line relay sets
					4*	1	Provision for access jack and indicator unit
					1	1-3	
					5*	1	Provision for access jack and indicator unit (additional wiring)
U 618					1	1-14	Inspection standard
U 619				1*	1	1	Bobbin resistors on relay sets working loose due to vibration
							<u>Exchange, telephone, automatic, 100/150-line and 48/64 line</u>
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					2*	1	Preparation to accept a directory translator

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U 629					1	1-25	Inspection standard
				1*	1	1	Repositioning transistor in RING and TONE relay sets
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							<u>Telephone sets</u>
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							<u>Telephone set F, Mk 1, 1/1 and 2</u>
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U 693					2	1-4	Unit repairs
U 694					2	1-4	Field and base repairs
					2	1001-1003	
U 697				1*	1	1	Disconnection of capacitor C1
U 699				1*	1	1	Redesignation of EMERs
							<u>Telephone set J</u>
U 720					1	1-2	Data summary
U 722					1	1-3	Technical description
					1	1001	
					1	2001	FORWARD coding
U 723					1	1-4	Unit repairs
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				2*	1	1	Redesignation of EMERs
				3*	1	1	Improved capacitor tag panel
							<u>Telephone set L (YA 3717)</u>
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U 732					1	1-2	Technical description
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U 733					1	1-2	Unit repairs
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U 734					1	1-2	Field and base repairs
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U 739				1*	4	1-2	Fitting a strengthening bracket
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				3*	1	1	Generator supporting plate rustproofing
							<u>Telephone 332 CB</u>
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U 797				1*	1	1	Plastic mouthpiece - replacement
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							<u>Telephone set 706 BPO (MOD)</u>
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							<u>Telephone set, 3 telephones, 1 wall control unit</u>
U 820					1	1-2	Data summary
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U 827				1*	1	1-3	Replacement of lamps
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							<u>Dosimeter tactical</u>
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V 024					1	1	Field and base repairs
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							<u>Charging unit, No 1, dosimeter, quartz fibre</u>
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							<u>Meters, contamination, No 1</u>
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				3*	1	0	Replacement of plugs and sockets Mk 4 by plugs and sockets rubber moulded
				4*	1	1-4	Fitting of Helicoil inserts to the desiccator fixing hold of the instrument case
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							<u>Ratemeter RM5 with probes and reference sources</u>
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V 286					1	1-5	Repair charts
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				4*	1	0	Fitting of Helicoil inserts to desiccator fixing hole
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