Chapter 1 GENERAL INFORMATION

LIST OF CONTENTS

		Para					1	Para	
Introduction	 	7	Access to comp	onen	ts	 		12	
			Illustrations			 		13	
Description			Modifications			 		14	
Airborne radio installations	 	3							
Intercommunication	 	4							
Telebrief	 	5	Servicing						
HF (SSB) installation	 	6	General			 		15	
UHF installation	 	7	Wiring			 		16	
Radio altimeter	 	17	Bonding			 		17	

LIST OF TABLES

Table

Wireless equipment		 1
Terminal blocks		 2
Panels and junction boxe	5	 3
Cable types		 4
Circuit references	••• •••	 5

LIST OF ILLUSTRATIONS

Fig

Wireless equipment location - general ... 1 Wireless equipment in fuselage nose and accessories bay 2 ... Wireless equipment in cockpit - general ... 3 Wireless equipment in pilot's cockpit port 4 Wireless equipment in pilot's cockpit central display 5

Wireless equipment in observer's cockpit - port 6 Wireless equipment in observer's 7 cockpit - stbd Wireless equipment in bomb bay and undercarriage bays... 8 Wireless equipment in rear fuselage 9 ...

Fig

Introduction

1. The wireless installation on this aircraft comprises five distinct airborne radio installations (ARIs) and an intercommunication and telebrief system. This chapter only describes the salient features of the individual installations, more detailed information on each being provided, under the appropriate heading, in the succeeding chapters of this Section. Since the layout of this Section closely follows the pattern established in Section 6, Chap. 1 of this Book, further introductory and descriptive information is similar and is not, therefore, repeated in this Chapter.

2. Most terminal blocks, panels and junction boxes referred to and listed in Sect. 7, Chap. 1 serve a variety of circuits including some concerned with the wireless installation. Therefore, when such items have already been listed, they are not repeated in the Tables and location illustrations in this Chapter.

DESCRIPTION

Airborne radio installations

3. A brief description of the function of each of the radio installations which form the wireless installation on this aircraft is given, under the appropriate heading, in the following paragraphs.

Intercommunication

4. This service enables the pilot and observer to communicate with each other during flight and on the ground, at the same time maintaining radio silence. Intercom sockets are also provided in each undercarriage wheel bay to enable ground crew to contact and communicate with the aircrew. The audio-frequency amplifier of the A R I 18124/1, A R I 18179 or the A R I 23057 is used for this service.

Telebrief

5. The telebrief link enables the aircraft, when on the ground or carrier deck, to be connected by a land line to a ground or ship control point for two-way communication between the aircrew and the control point personnel. Communication can be maintained until the moment of take-off. The telebrief uses an amplifier located at the control point.

HF (SSB) installation

6. This equipment (ARI 18179) caters for wireless transmission and reception over long distances. Under the control of the observer, the equipment can be used by the pilot or the observer, as occasion demands, in a similar manner to the ARI 18124/1.

UHF installation

7. Composed of three interconnected ARIs, each of which is dealt with under the appropriate heading in the following paragraphs, the UHF installation is under the control of the pilot only.

8. ARI 18124/1. This equipment forms the normal two-way wireless communication facility of the aircraft up to a range of approximately 200 miles. Either crew member is able to transmit to, or receive from, other aircraft and/or ground stations, as occasion demands.

9. A R1 23057. This equipment forms the standby communications facility, should A RI 18124/1 become unserviceable. In this event, however, the transmission and reception capabilities are restricted to two frequency channels; the guard (distress) channel of 243 Mc/s is always one of these.

10. A RI 18120/4. This is a navigational aid for homing which can be switched into service by the pilot. It utilizes the signals

RESTRICTED

received from a transmitting station to which the ARI 18124/1 is tuned, to indicate on the attitude indicator in the IFIS, the bearing of the aircraft in relation to the transmitting station.

Radio altimeter

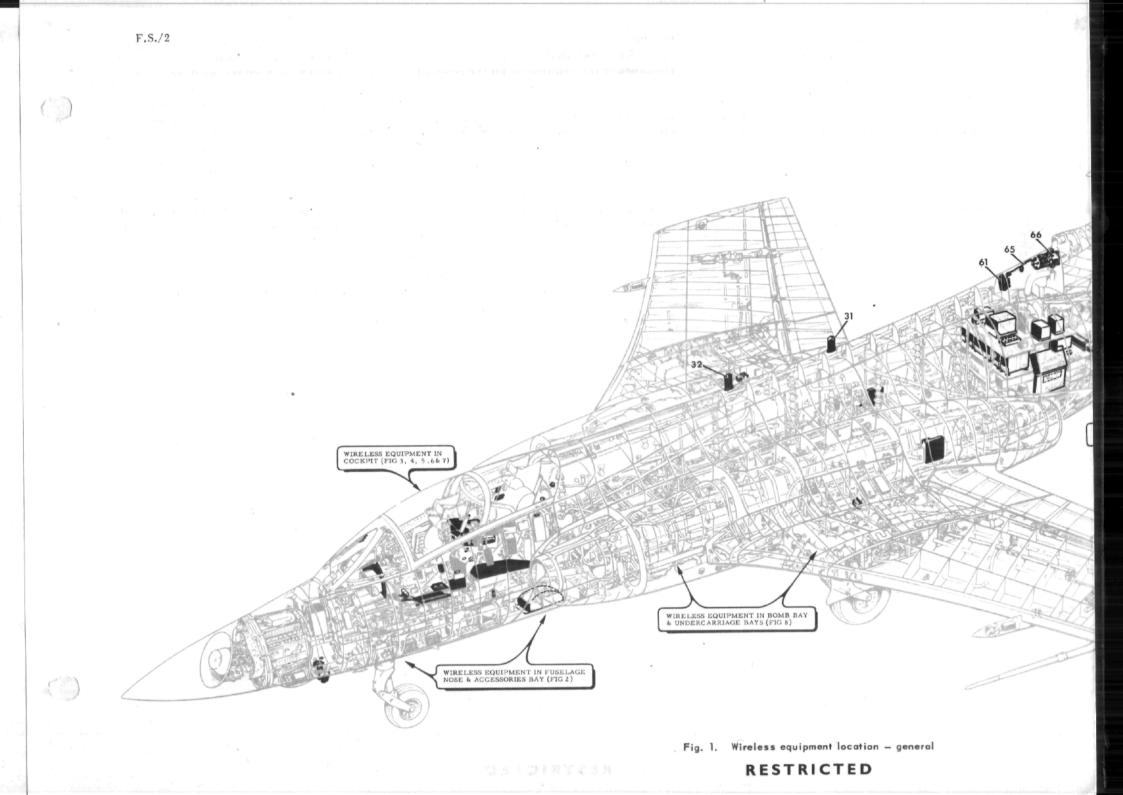
11. This equipment (ARI 23061) will, when brought into operation by the pilot's control unit, register the height of the aircraft above surface level, in either of two ranges. The ranges are 0 to 500 feet, and 0 to 5000 feet respectively; indication is displayed on a dial-type indicator which can be supplemented by a system of limit lamps, working in conjunction with the pilot's control unit. Provision is made for the radio altimeter to supply the autopilot with a radio height signal.

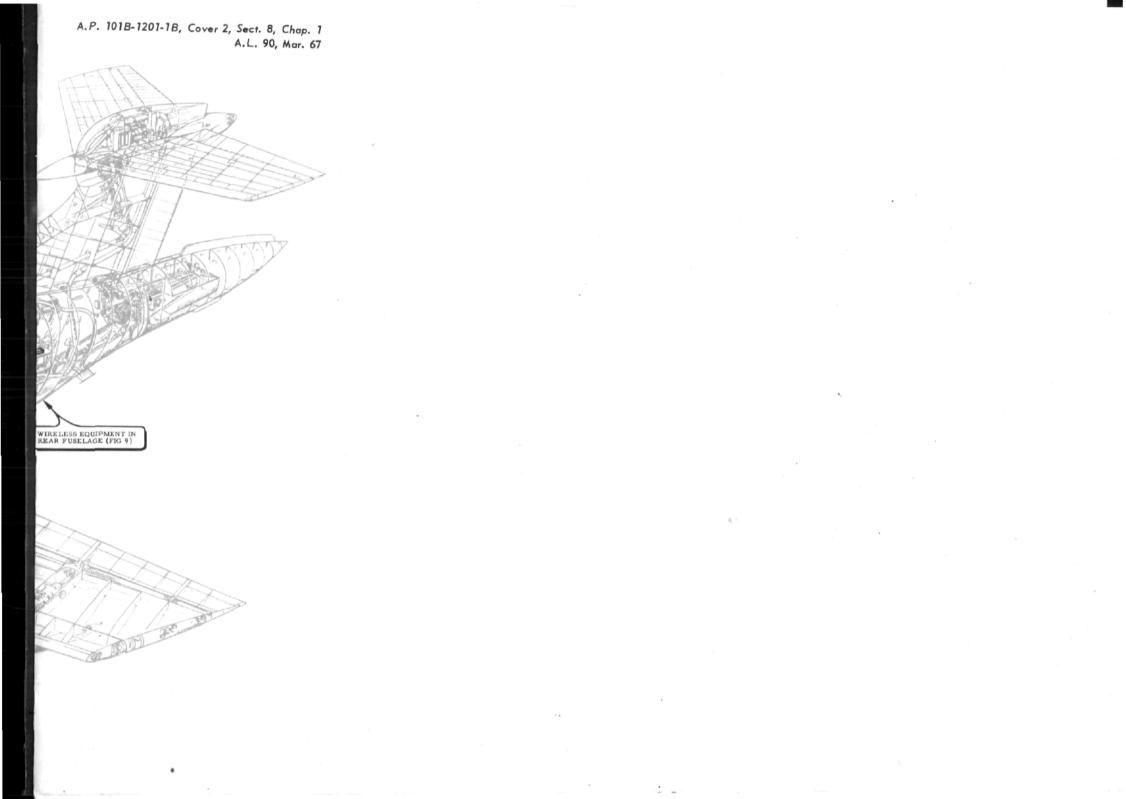
Access to components

12. Access to the majority of components and equipment of the wireless installation is by removing an access door or panel. The location of particular doors or panels referred to in Tables 1, 2 or 3 is illustrated in Sect, 7, Chap. 1.

Illustrations

13. Circuit routeing charts, theoretical diagrams, and component location diagrams, as used to describe the wireless installation, are identical in character with those in the preceding Sections of this Book. The conception and presentation of such illustrations is fully explained in Cover 1, Sect. 6, Chap. 1 and, hence, it is unnecessary to repeat the descriptive information in this Chapter. A noteworthy point regarding the wireless installation, however, is the omission of circuit theoretical diagrams from all chapters except that dealing with the intercommunication and telebrief system. Although each of the ARIs is individually described in a relevant publication, the above mentioned equipment has been designed for this aircraft and, because of





this, a circuit theoretical diagram is included in the chapter concerned.

Modifications

14. The circuits described in the succeeding chapters of this Section are to a minimum modification standard. Further modifications to the circuits will be described in the form of an appendix to the relevant chapters. The text and illustrations in the appendixes will show the post modification state of the circuits. The chapters and associated appendixes will be periodically revised.

SERVICING

General

15. Servicing instructions, and standard serviceability test requirements, for com-

ponents and associated equipment used in the ARIs described in this Section are contained in the publication for the relevant ARI. A reference to these publications is included in Table 1 of this chapter. Detailed instructions concerning the isolation of electrical services and the methods of making electrical power available to the aircraft are contained in Cover 1, Sect. 6, Chap. 1. These instructions are equally applicable to equipment constituting the wireless installation and will not, therefore, be repeated in this Chapter.

Wiring

16. Information relating to servicing of the aircraft wiring system is contained in Cover 1, Sect. 6, Chap. 1 and is equally applicable to cables associated with the wireless installation. The majority of connections to items of wireless equipment are made by plug and socket-type connectors with screwed attachment shells. Periodically these connections must be examined for cleanliness and the shells for freedom from damage. Screw threads must be lubricated and screwed tight when the plugs and sockets are connected. When disconnected, protective caps must be fitted to the exposed ends to prevent ingress of foreign matter on or around the contacts and the end of the cable loom must be secured with string or tape to a convenient part of the aircraft structure until required for connecting again.

Bonding

17. The importance of bonding in wireless circuits requires the bonding connections and earth points to be examined and maintained to the standard laid down in Cover 1, Sect. 6, Chap. 1.

A.P. 101B-1201-1B, Cover 2, Sect. 8, Chap. 1 A.L. 90, Mar. 67

TABLE 1 Wireless equipment

ltem	Fig	Component	Type or Part No.	Ident	Access panel	A.P. Ref
NTER	сомми	JNICATION AND TELEBRIEF (CHA	P. 2)			
1	8-C	Connector	3570	WS-AW		2876G, Vol. 1
2	4	Intercom socket	YB3-82-907	C-ET	_	
3	7	Intercom socket	YB3-82-908	C-EU		_
4	8-B	Intercom socket	YB3-82-376	WP-AV	_	_
5	8-B	Intercom socket	YB3-82-376	WS-AV	_	-
6	9-C	Intercom socket	YB3-82-740	H (panel R-F)	238	
7	7	Push-switch (foot-operated)	YB3-82-339	C-BX	_	_
8	9-C	Receptacle	CZ 56745	G (panel R-F)	238	4343P, Vol. 1, Bk. 1
9	7	Rectifier	GEX 541 (Germanium)	(Relay A on panel C-DJ)		_
10	9-C	Rectifier (2 off)	GEX 541 (Germanium)	RTB9 (panel R-F)	238	_
11	7	Relay	10B. No (pre-Mod 809, 1077 and 699) 20B. No. 1 (post-Mod 809, pre-Mod 1077 and 699)	×)	
12	4	Relay	and 699) 20B. No.3 (post-Mod 1077, pre-Mod 699) BS-115-B1B-2C/1 (post-Mod 699) 10B. No (pre-Mod 809, 1077 and 699) 20B. No.1 (post-Mod 809, pre-Mod 1077 and 699)	A (panel C-DJ) A (panel C-S)	_	
13	4	Relay	20B. No.3 (post-Mod 1077, pre-Mod 699) BS-115-B1B-2C/1 (post-Mod 669) 10B. No (pre-Mod 809, 1077 and 699) 20B. No.1 (post-Mod 809, pre-Mod 1077 and 699)	B (panel C-S)	_ {	4343C, Vol. 1, Bk. 2
14	9-C	Relay	20B. No.3 (post-Mod 1077, pre-Mod 699) BS-115-B1B-2C/1 (post-Mod 699) 10B. No (pre-Mod 809, 1077 and 699) 20B. No.1 (post-Mod 809, pre-Mod 1077 and 699)	C (panel R-F)	238	
15	4	Resistor, 240 or 250 ohms, 4W	20B. No.3 (post-Mod 1077, pre-Mod 699) BS-115-B1B-2C/1 (post-Mod 699) MV1	T.B. D (panel C-S)	J	

RESTRICTED

.

tem	Fig	Component	Type or Part No.	l dent	Access A.P. Ref
Iб	4	Rotary switch	36823/MHLC2	K (panel C-DG)	-]
17	6	Rotary switch	36823/MHLC2	F (panel C-K/1)	-
18	9-C	Rotary switch	36823/MHLC2	E (panel R-F)	238
19	4	Throttle grip switch	DN 1231 Z	G (panel C-E)	_
20	4	Toggle switch	Pye No. 535/1	C (panel C-U)	
21	4	Tumbler switch	XD 781/4	F (panel C-G/2)	$\frac{1}{2}$ { 4343C, Vol. 1, B
22	6	Tumbler switch	XD 781/4	G (panel C-K/1)	_
23	8-B	Tumbler switch	XD 782/4	WP-AU	-
24	8-B	Tumbler switch	XD 782/4	WS-AU	_
25	9-C	Tumbler switch	XD 777/4	B (panel R-F)	238
26	6	Warning lamp	A915/D/1	E (panel C-K/1)	$ \{$ 4343E, Vol. 1, Bl
27	4	Warning lamp	A915/D/1	A (panel C-U)	$-\int 4343E, \text{ vol. 1, Di}$
$\frac{31}{32}$	1 1	Aerial Aerial	EDC 18136 EDC 18136	D-AG D-AJ	
		LLATION (CHAP. 3)			
33	2	Aerial	EDC 18136	N-AA	116D-0105-1
34	2	Aerial	EDC 18136	N-AB	
	-		YB3-82-680	N-AC	
35	2	Aerial switching unit assembly		N-AL	~ -
	2 9	Aerial switching unit assembly AF unit			238 116B-0301-1
36		0	9635	R-DZ	238 116B-0301-1
36 37	9	AF unit		R-DZ L (panel C-G/2)	238 116B-0301-1 ~ 116D-0105-1
36 37 38	9 4	AF unit Control unit	9635 C1607-ARC52 or C1607/4-ARC52	R-DZ	238 116B-0301-1 ~ 116D-0105-1 238 116D-0110-1 & 6
36 37 38	9 4 9	AF unit Control unit Filter	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA	238 116B-0301-1 ~ 116D-0105-1 238 116D-0110-1 & 6 238 116B-0301-1
36 37 38 39	9 4 9	AF unit Control unit Filter RF unit	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA G (panel R-F)	238 116B-0301-1 ~ 116D-0105-1 238 116D-0110-1 & 6 238 116B-0301-1
36 37 38 39 40	9 4 9 9	AF unit Control unit Filter RF unit Receptacle	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037 See item 8	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA	238 116B-0301-1 ~ 116D-0105-1 238 116D-0110-1 & 6 238 116B-0301-1 238 - 238 - 238 -
36 37 38 39 40	9 4 9 9 9-C	AF unit Control unit Filter RF unit Receptacle Rectifier	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037 See item 8 GEX 541 (Germanium)	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA G (panel R-F) L (panel R-F) N-DU	238 116B-0301-1 ~ 116D-0105-1 238 116D-0110-1 & 6 238 116B-0301-1 238 -
36 37 38 39 40 41	9 4 9 9 9-C	AF unit Control unit Filter RF unit Receptacle Rectifier Relay	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037 See item 8 GEX 541 (Germanium) F1741	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA G (panel R-F) L (panel R-F)	238 116B-0301-1 ~ 116D-0105-1 238 116D-0110-1 & 6 238 116B-0301-1 238 - 238 - 4343C, Vol. 1, B
36 37 38 39 40 41 42	9 4 9 9 9-C 2	AF unit Control unit Filter RF unit Receptacle Rectifier Relay Relay	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037 See item 8 GEX 541 (Germanium) F1741 See item 14	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA G (panel R-F) L (panel R-F) N-DU C (panel R-F)	238 116B-0301-1 - 116D-0105-1 238 116D-0110-1 & 6 238 116B-0301-1 238 - 238 - 4343C, Vol. 1, B 238 -
35 36 37 38 39 40 41 42 43 44	9 4 9 9 9-C 2 9-C	A F unit Control unit Filter R F unit Receptacle Rectifier Relay Relay Resistor 0.5 ohm	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037 See item 8 GEX 541 (Germanium) F1741 See item 14 P 2000	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA G (panel R-F) L (panel R-F) N-DU C (panel R-F) D (panel R-F)	238 116B-0301-1 ~ 116D-0105-1 238 116D-0110-1 & 6 238 116B-0301-1 238 - 238 - 4343C, Vol. 1, B 238 - 238 - 238 -
36 37 38 39 40 41 42 43	9 4 9 9 9-C 2 9-C 9	A F unit Control unit Filter R F unit Receptacle Rectifier Relay Relay Resistor 0.5 ohm Rheostat 2.2 ohm	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037 See item 8 GEX 541 (Germanium) F1741 See item 14 P 2000 SDS 1293	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA G (panel R-F) L (panel R-F) N-DU C (panel R-F) D (panel R-F) R-JA	238 116B-0301-1 ~ 116D-0105-1 238 116B-0301-1 238 - 238
36 37 38 39 40 41 42 43	9 4 9 9 9-C 2 9-C 9	A F unit Control unit Filter R F unit Receptacle Rectifier Relay Relay Resistor 0.5 ohm Rheostat 2.2 ohm Transmitter-receiver (standby)	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037 See item 8 GEX 541 (Germanium) F1741 See item 14 P 2000 SDS 1293 TR 10056	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA G (panel R-F) L (panel R-F) N-DU C (panel R-F) D (panel R-F)	238 116B-0301-1 ~ 116D-0105-1 238 116D-0110-1 & 6 238 116B-0301-1 238 - 238 - 4343C, Vol. 1, B 238 - 238 - 238 -
36 37 38 39 40 41 42 43	9 4 9 9 9-C 2 9-C 9	A F unit Control unit Filter R F unit Receptacle Rectifier Relay Relay Resistor 0.5 ohm Rheostat 2.2 ohm Transmitter-receiver (standby)	9635 C1607-ARC52 or C1607/4-ARC52 5915-99-970-0362 11037 See item 8 GEX 541 (Germanium) F1741 See item 14 P 2000 SDS 1293 TR 10056 M4	R-DZ L (panel C-G/2) (Fitted on R-EB) R-EA G (panel R-F) L (panel R-F) N-DU C (panel R-F) D (panel R-F) R-JA	238 116B-0301-1 ~ 116D-0105-1 238 116B-0301-1 238 - 238

A.P. 101B-1201-1B, Cover 2, Sect. 8, Chap. 1 A.L. 90, Mar. 67

TABLE 1 (continued)

49 4 Tumbler switch XD 778/4 Q 50 4 Tumbler switch XD 778/4 R UHF AUTO TONE (CHAP. 3) C-GG - 43 54 3 Flasher unit B C-GG - 45 55 3 Switch unit 5930-99-914-1941 C-GE - - 56 3 Switch unit 5930-99-914-1941 C-GF - - - 42 F 7 4 Toggle switch 4TLI-2D R (panel C-DG) - 42 60 7 Control unit 13027 A (panel C-M) - - - 42 61 1 Impedance matching unit 13038 D-AM 20 - - 238 44 - - 208 - - 208 - - 201 - - 201 - - 201 - - 201 - - 202 - - 202 - - 202 - 203 - -	A.P. Ref	Access panel	ldent	Type or Part No.	Component	Fig	ltem
49 4 Tumbler switch XD 778/4 Q 50 4 Tumbler switch XD 778/4 R UHF AUTO TONE (CHAP. 3) C-GG - 43 54 3 Flasher unit B C-GG - 45 55 3 Switch unit 5930-99-914-1941 C-GF - - 56 56 3 Switch unit 5930-99-914-1941 C-GF - - 42 F 7 4 Toggle switch 4TLI-2D R (panel C-DG) - 42 60 7 Control unit 13027 A (panel C-M) - - - 42 61 1 Impedance matching unit 13038 D-AM 20 - - 42 62 9 Junction box 13026 R-CA 238 - - 20 - - 20 - 238 47 47 - 20 - 208 - 201 - 202 - 203 - 201 - 201<	343C, Vol. 1, Bk.	49	N	XD 778/4	Tumbler switch	4	47
54 3 Flasher unit B C-GG - 43 55 3 Switch unit 5930-99-914-1941 C-GE -	J+0C, V0I, I, DK.	- 10	Q	XD 778/4	Tumbler switch	4	49
55 3 Switch unit 5930-99-914-1941 C-GE - 56 3 Switch unit 5930-99-914-1941 C-GF - 57 4 Toggle switch 4TLI-2D R (panel C-DG) - 43 50 7 Control unit 13027 A (panel C-M) - - - 51 1 Impedance matching unit 13038 D-AM 20 - - 238 -					TONE (CHAP. 3)	Αυτο	JHF
56 3 Switch unit 5930-99-914-1941 C-GF $-$ 57 4 Toggle switch 4TLI-2D R (panel C-DG) $-$ 4 HF (SSB) (CHAP. 4) 50 7 Control unit 13027 A (panel C-M) $-$ 4 50 7 Control unit 13027 A (panel C-M) $ -$ 4 61 1 Impedance matching unit 13038 D-AM 20 $ -$	343C, Vol. 1, Bk.	- 43		В	Flasher unit	3	54
57 4 Toggle switch 4TLI-2D R (panel C-DG) - 4 $4F$ (55B) (CHAP. 4) 50 7 Control unit 13027 A (panel C-M) - - 4 51 1 Impedance matching unit 13038 D-AM 20 20 - - - 238 -	-	-					
HF (SSB) (CHAP. 4) 50 7 Control unit 13027 A (panel C-M) - 51 1 Impedance matching unit 13038 D-AM 20 52 9 Junction box 13026 R-CA 238 53 9 Power supply unit 13025 R-BB 238 53 9 Power supply unit 13025 R-BB 238 54 9 R F amplifier 13024 R-BA 238 55 1 R F connector 13414 - 20 56 1 R F tuner unit 13037 D-AN 20 56 1 R F tuner unit 13037 D-AN 20 57 9 Reference signal generator 9493 R-GM 238 47 58 9-A Relay BS-115-B1B-2C/1 J (panel R-A) 238 43 59 9 Selector unit 13036 R-BC 238 44		-					
507Control unit13027A (panel C-M) $ 61$ 1Impedance matching unit13038D-AM20 62 9Junction box13026R-CA238 53 9Power supply unit13025R-BB238 54 9R F amplifier13024R-BA238 55 1R F connector13414 $-$ 20 56 1R F tuner unit13037D-AN20 56 1R F tuner unit13037D-AN20 57 9Reference signal generator9493R-GM238 58 9-ARelayBS-115-B1B-2C/1J (panel R-A)238 59 9Selector unit13036R-BC238	540 G, 10 G, 1 , D K		n (parer 0-00)	-10-20	roggie switch	7	,,
511Impedance matching unit13038D-AM20 52 9Junction box13026R-CA238 53 9Power supply unit13025R-BB238 54 9R F amplifier13024R-BA238 55 1R F connector13414-20 56 1R F tuner unit13037D-AN20 57 9Reference signal generator9493R-GM238 58 9-ARelayBS-115-B1B-2C/1J (panel R-A)238 59 9Selector unit13036R-BC238					CHAP. 4)	5 S B) (C	HF (
51IImpedance matching unit13038D-AM20 52 9Junction box13026R-CA238 53 9Power supply unit13025R-BB238 54 9R F amplifier13024R-BA238 55 1R F connector13414-20 56 1R F tuner unit13037D-AN20 57 9Reference signal generator9493R-GM238 58 9-ARelayBS-115-B1B-2C/1J (panel R-A)238 59 9Selector unit13036R-BC238		– ¹	A (panel C-M)	13027	Control unit	7	50
529Junction box13026R-CA238 53 9Power supply unit13025R-BB238 54 9R F amplifier13024R-BA238 55 1R F connector13414-20 56 1R F tuner unit13037D-AN20 56 9Reference signal generator9493R-GM238 58 9-ARelayBS-115-B1B-2C/1J (panel R-A)238 59 9Selector unit13036R-BC238		20		13038	Impedance matching unit	1	51
649R F amplifier13024R-BA23844 65 1R F connector13414-20 66 1R F tuner unit13037D-AN20 66 1R F tuner unit13037D-AN20 67 9Reference signal generator9493R-GM238 68 9-ARelayBS-115-B1B-2C/1J (panel R-A)23843 69 9Selector unit13036R-BC23843		238	R-CA	13026	Junction box	9	52
549R F amplifier 13024 R-BA 238 55 1R F connector 13414 - 20 56 1R F tuner unit 13037 D-AN 20 57 9Reference signal generator 9493 R-GM 238 58 9-ARelayBS-115-B1B-2C/1J (panel R-A) 238 43 59 9Selector unit 13036 R-BC 238 43	736A, Vol. 1	2 1		13025	Power supply unit	9	53
56 1 R F tuner unit 13037 D-AN 20 57 9 Reference signal generator 9493 R-GM 238 58 9-A Relay BS-115-B1B-2C/1 J (panel R-A) 238 43 59 9 Selector unit 13036 R-BC 238 43	100/1, 101. 1	238	R-BA		RF amplifier	9	54
57 9 Reference signal generator 9493 R-GM 238 568 9-A Relay BS-115-B1B-2C/1 J (panel R-A) 238 43 59 9 Selector unit 13036 R-BC 238 43			—		RF connector	1	55
58 9-A Relay BS-115-B1B-2C/1 J (panel R-A) 238 43 59 9 Selector unit 13036 R-BC 238 43							
59 9 Selector unit 13036 R-BC 238 4							
	343C, Vol. 1, Bk						
	736A, Vol. 1	(A.					
70 9 Transmitter-receiver 13023 R-BG 238	343C, Vol. 1, Bk	238	R-BG	13023 ND 550/4	Transmitter-receiver	9	70

RESTRICTED

÷.

•

ltem	Fig	Component	Type or Part No.	l den t	Access panel	A.P. Ref
RADI	O ALTI	METER (CHAP. 5)				
76	2-A	Aerial assembly, comprising:- Delay unit	16119	A-CH	n n	
77	2-A	Receiver aerial	16088	A-BD	1 1	
78	2-A	Switch and coupling unit	10B/19673	_	98	
79	2-A	Switch and coupling unit	10B/19673	_	ſ	
80	2-A	Transmitter aerial	16088	A-BB		
81	9	Amplifier unit	16089	R-GW] }	116B-0203-1
82	4	Control unit	16095	P (panel C-G/1)	_	
83	5	Indicator	16094	H (panel C-B)	-	
84	9	Junction box	16507	R-GW	238	
85	9	Junction box	YB3-82-516	R-GR	238	
86	2-A	Transmitter-receiver	16098	A-BC	98	
87	5	Warning lamp	C500/A/7	DH (panel C-B)(pre-Mod 332)	-)	
				C-FT (post-Mod 332)	-	
88	5	Warning lamp	C500/B/7	DG (panel C-B) (pre-Mod 332)	- }	4343E, Vol. 1, Bk
	_		C = 00 / C / =	C-FS (post-Mod 332)		, , , , , , , , , , , , , , , , , , , ,
89	5	Warning lamp	C500/C/7	DF (panel C-B)(pre-Mod 332) C-FR (post-Mod 332)	_]	

F	S	/5	

INDEL I TEIMINUT DIOCKS	TAB	LE 2	Termina	IЬ	locks	
-------------------------	-----	------	---------	----	-------	--

ltem	Fig	ldent	Panel or J.B.	Access panel
95	4	С	C-S	_
96	3	C-GJ	_	_
97	3	C-GK	_	—
98	4	D	C-S	_
		\mathbf{E}	N-B	(See item 486 of Table 2 in Sect. 7, Chap. 1)
99	8-A	N	B-A	244
100	8-A	N	B-B	244
101	2	N-AJ	-	-
102	2	N-CU	_	_
103	2	N-DV	_	_
104	9-B	Р	R-C	238
105	3	RTB1	C-E	_
		RTB2	(See item 525 of Table 2	Fwd floor panel,
			in Sect. 7, Chap. 1)	observer's station
106	7	RTB4	_	_
107	7	RTB5	_	_
108	2	RTB6		26
109	8-C	RTB7	_	_
110	9-C.	RTB9	R-F	238
111	8-B	RTB12	_	_
112	8-B	RTB13	_	_
113	8	RTB14	_	244

TABLE 3 Panels and junction boxes

ltem	Fig	ldent	Access panel
116	4	C-G/1	_
117	4	C-G/2	-
118	9-C	R-F	238

Note...

For panels and junction boxes used in the aircraft wireless installation but not listed in this Table refer to Table 3 of Sect. 7, Chap. 1.

20

TABLE 4 Cable types

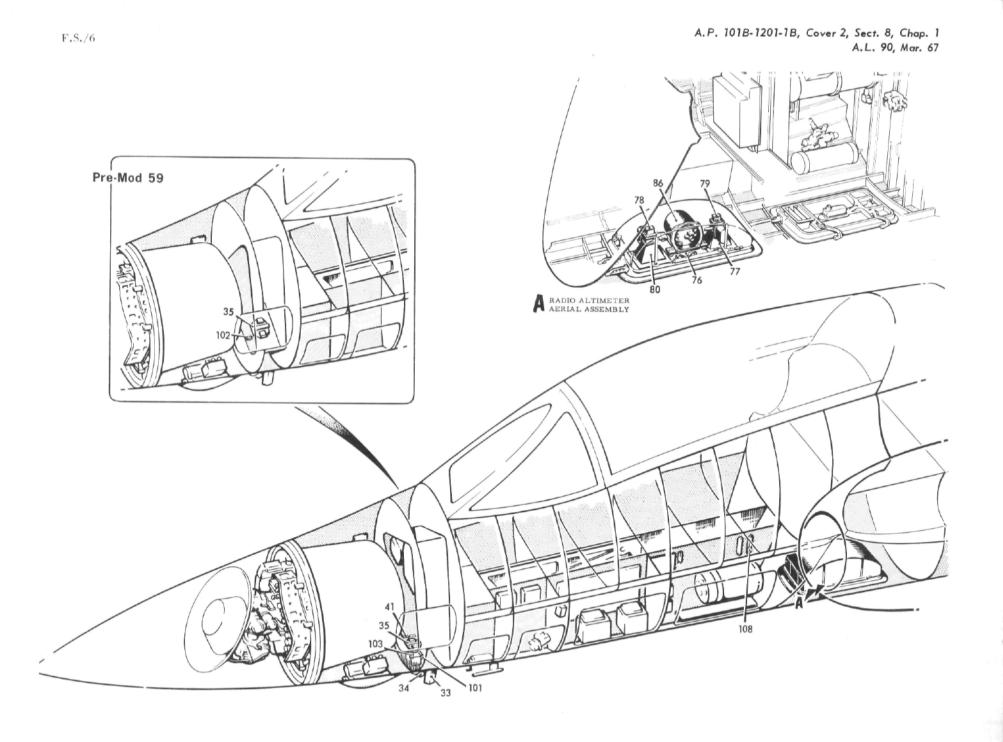
Cable nomenclature	Spec	Description	Abbrev
CO-AXIAL			
Uniradio 72	DEF 14	Silver-plated copper wire conductor with a PTFE dielectric and an outer layer of silver-plated wire braid, protected overall by an outer covering of glass fibre braid and silicone varnish	-

WARNING...

When polytetrafluoroethylene (PTFE) is heated above 200 deg C, toxic compounds are evolved which can result in serious injury or death to personnel who do not treat this material with proper respect. Precautions as detailed in A.P. 4343C, Vol. 1, Book 3, Sect. 5, Chap. 12 must be observed.

TABLE 5 Circuit references

Code	Service	Circuit Ref
R	RADIO (WIRELESS)	
	HF (SSB) communications installation	R1
	Radio altimeter and limit light indication	R2
	Intercommunication and telebrief	R3
	UHF communications installation	R6
	Standby UHF communications facility	R6
	UHF homer facility	R6
	UHF auto-transmission facility	R11



.

Fig. 2. Wireless equipment in fuselage nose and accessories bay

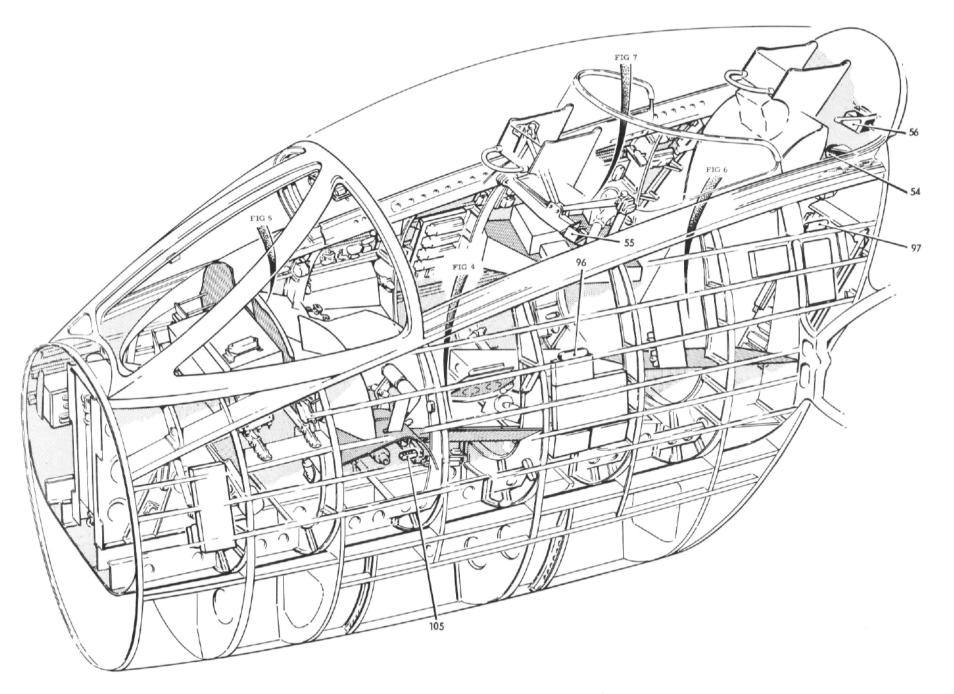


Fig. 3. Wireless equipment in cockpit – general

A.P. 101B-1201-1B, Cover 2, Sect. 8, Chap. 1 A.L. 90, Mar. 67

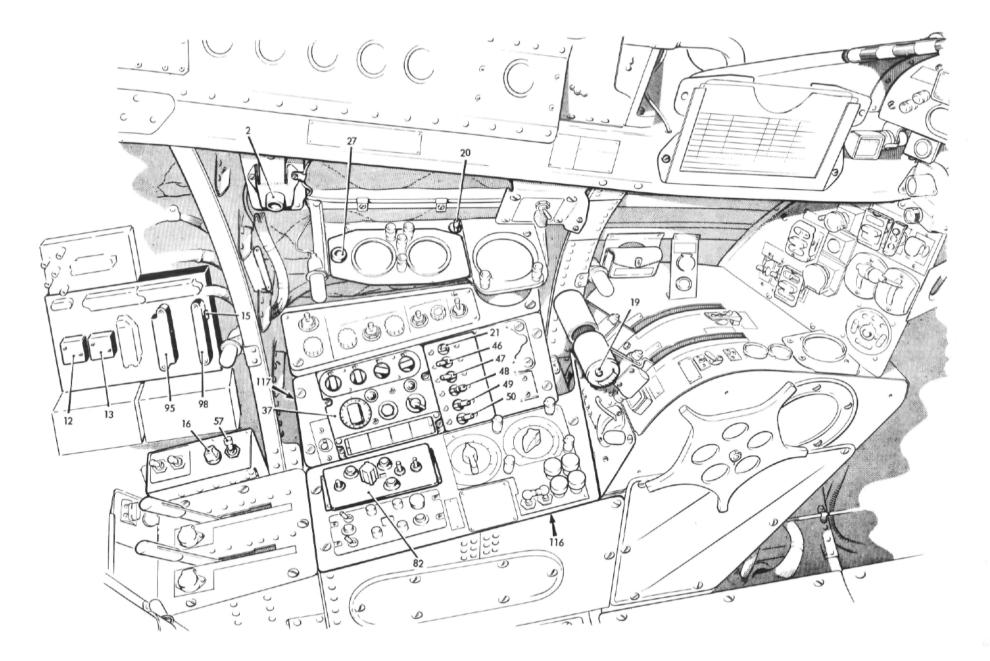


Fig. 4. Wireless equipment in pilot's cockpit - port

F.S./7

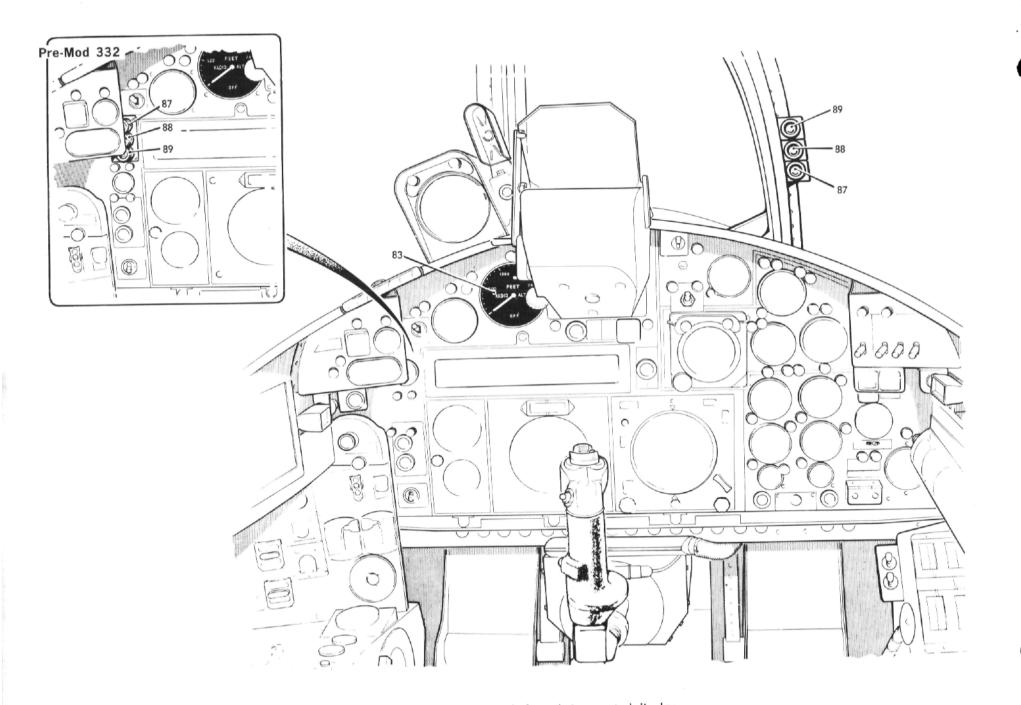


Fig. 5. Wireless equipment in pilot's cockpit - central display

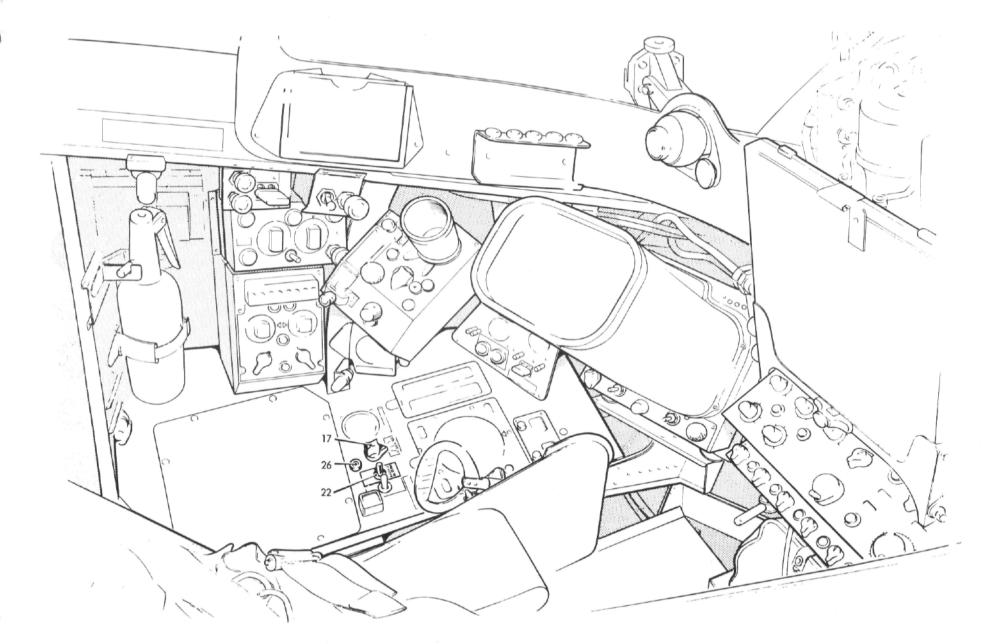


Fig. 6. Wireless equipment in observer's cockpit - port **RESTRICTED**

F.S./8

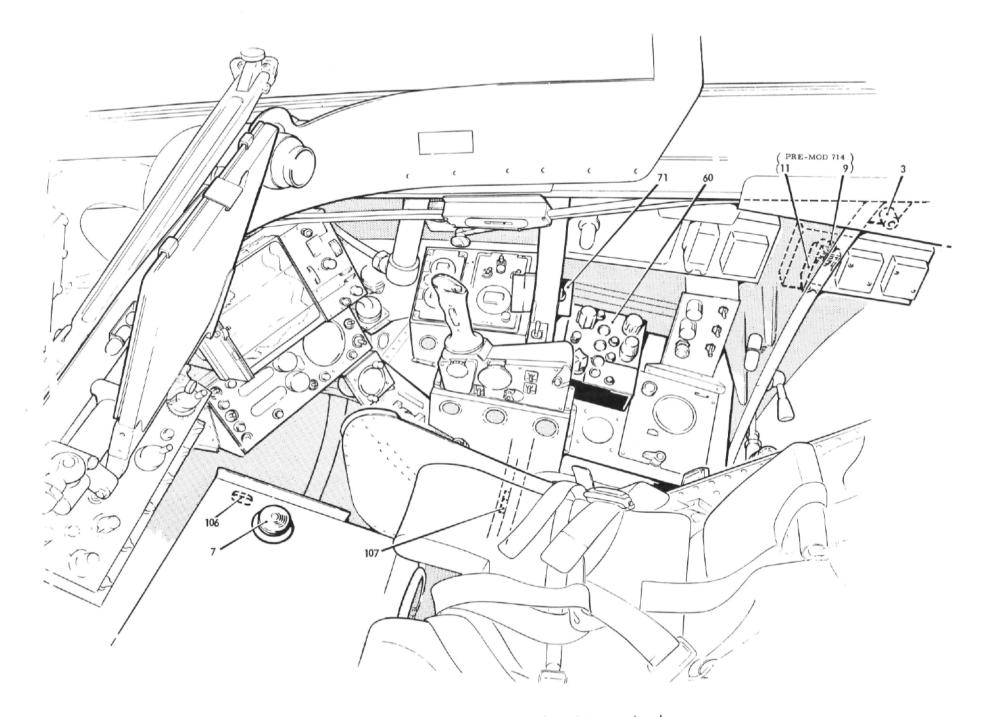


Fig. 7. Wireless equipment in observer's cockpit – starboard

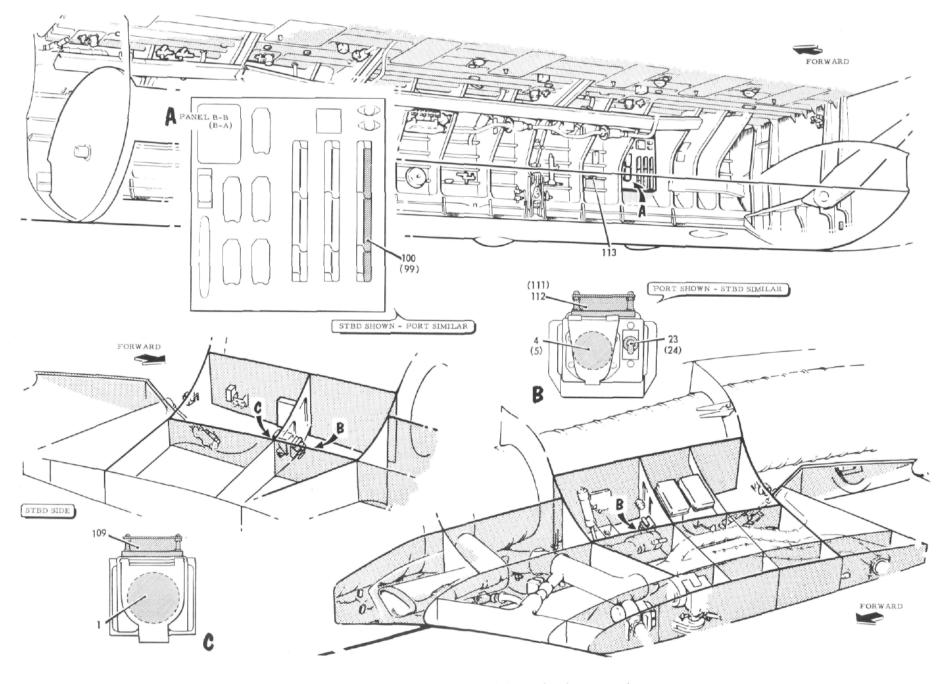


Fig. 8. Wireless equipment in bomb bay and undercarriage bays

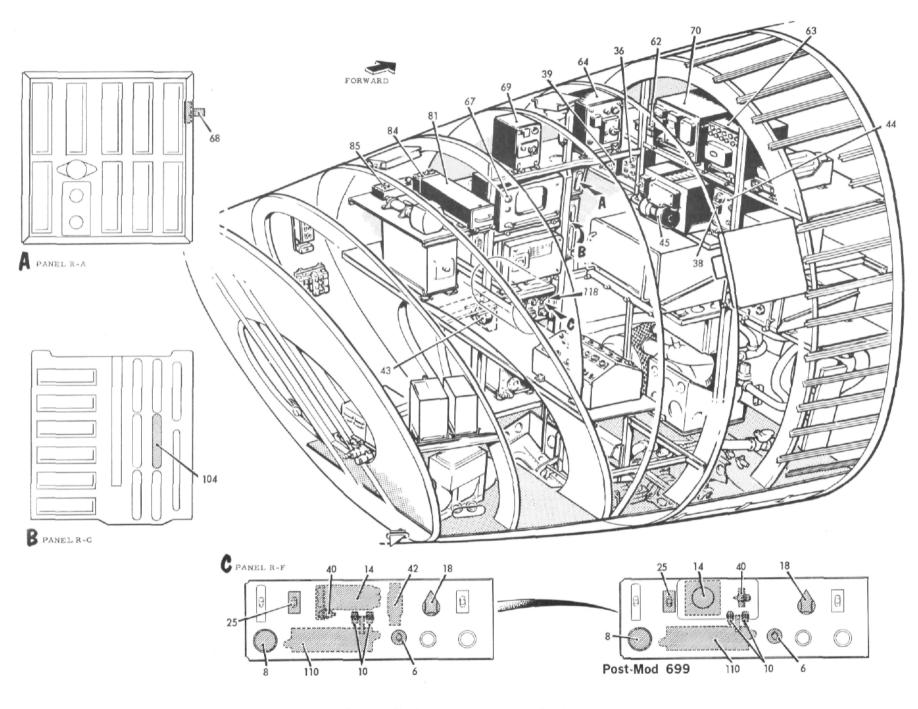


Fig. 9. Wireless equipment in rear fuselage

.