

CHAPTER 8

ARI-18235

LIST OF CONTENTS

DESCRIPTION	Para.
Introduction	1
Aerials	2
Radio receiver analyzer Type 17397	3
Radio receiver Type 17388	4
Control indicator unit Type 17391	5

DESCRIPTION

Introduction

1. The ARI-18235 may be fitted in the Vulcan B Mk.2 aircraft and comprises the following Major units:

- (1) Aerials (2)
- (2) Radio receiver analyzer, Type 17387 (Master)
- (3) Radio receiver, Type 17388 (Slave)
- (4) Control indicator unit Type 17391.
- (5) Blanking unit, Type 17389.
- (6) Junction boxes, Type 9775A and 17390.

Aerials

2. The aerials are Chelton-type blade and cover polarized signal reception.

	Para.
Junction boxes Types 9775A and 17390	6
Audio switching	7
Power supplies	8

SERVICING

Fitting of units	9
Servicing procedure	10

Radio receiver analyzer, Type 17387

3. The radio receiver analyzer Type 17387 is termed the master receiver and works in concord with the radio receiver, Type 17388.

Radio receiver, Type 17388

4. The radio receiver, Type 17388 is termed the slave receiver and works in concord with the radio receiver analyzer, Type 17387.

Control indicator unit, Type 17391

5. The control indicator unit, Type 17391 is a combined control and display panel. The unit supplies control signals to and conversely accepts signals from the radio receiver analyzer.

Junction boxes, Type 9775A and 17390

6. Two junction boxes are used for system interconnection and supply distribution purposes.

Audio switching

7. The equipment audio selection switch is a three position switch marked C, C-J and E-J, it is located adjacent to the conference

Para.

LIST OF ILLUSTRATIONS

	Fig.
Location of equipment	1
Crew station	2
ARI-18235 system block diagram	3

intercomm ON/OFF switch at the AEOs station. The three switch positions are:

- (1) Upper (C) – ARI-18235 audio to intercomm.
- (2) Middle (C-J) – ARI-18228 and ARI-18235 audio to intercomm.
- (3) Lower (E-J) – ARI-18228 audio to intercomm.

Power supplies

8. Input power supplies are described in Sect. 6 of this publication.

SERVICING

Fitting of units

9. The units are to be fitted in accordance with current servicing procedures.

Servicing procedures

10. A full description of the ARI together with testing and setting up instructions will be found in CD 116F-0202-1A.

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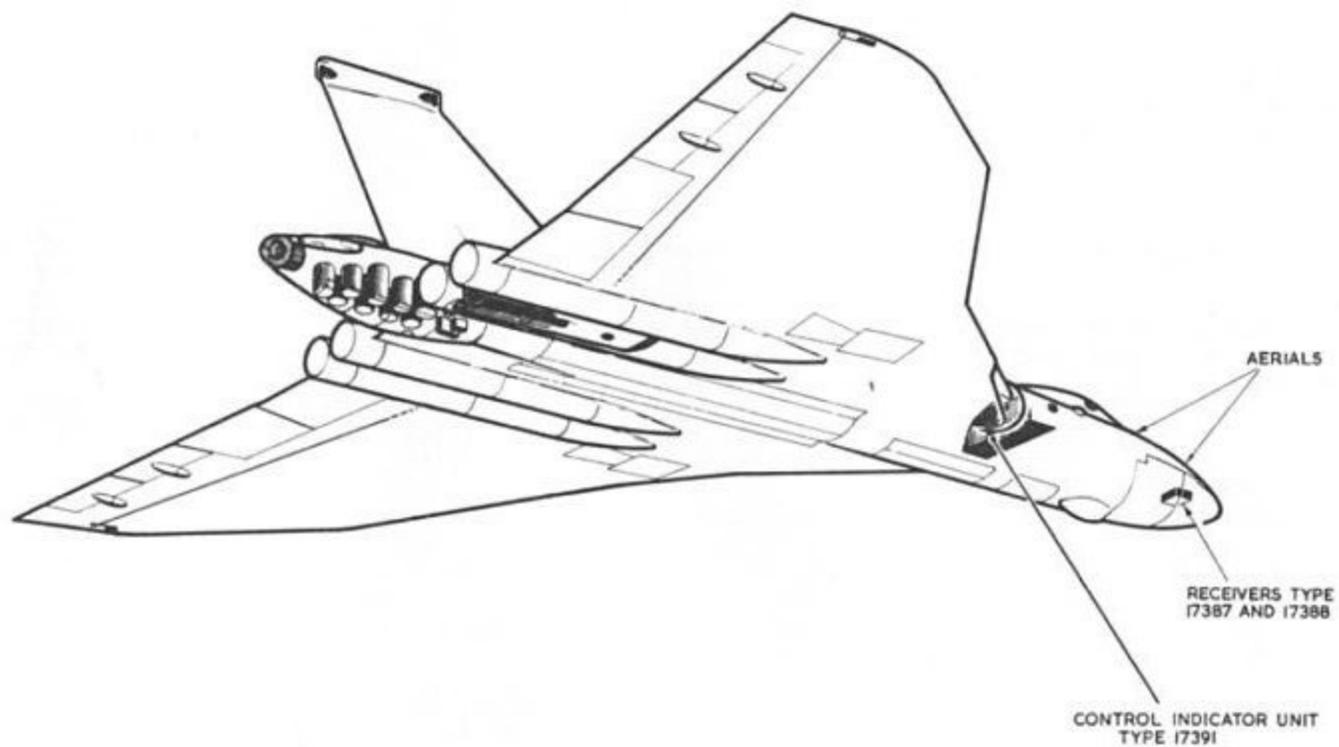


Fig.1 Location of equipment

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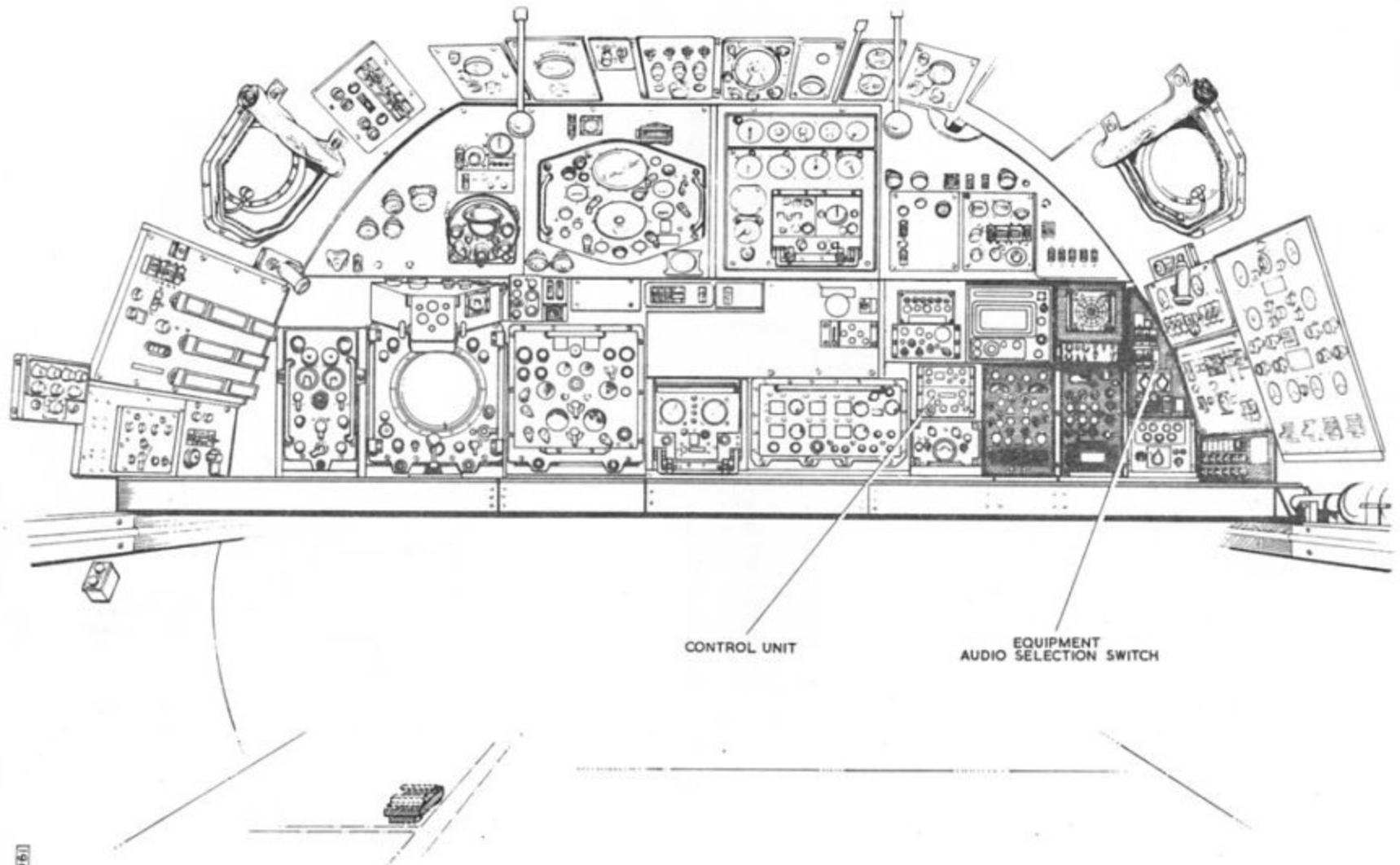


Fig. 2 Crew station equipment

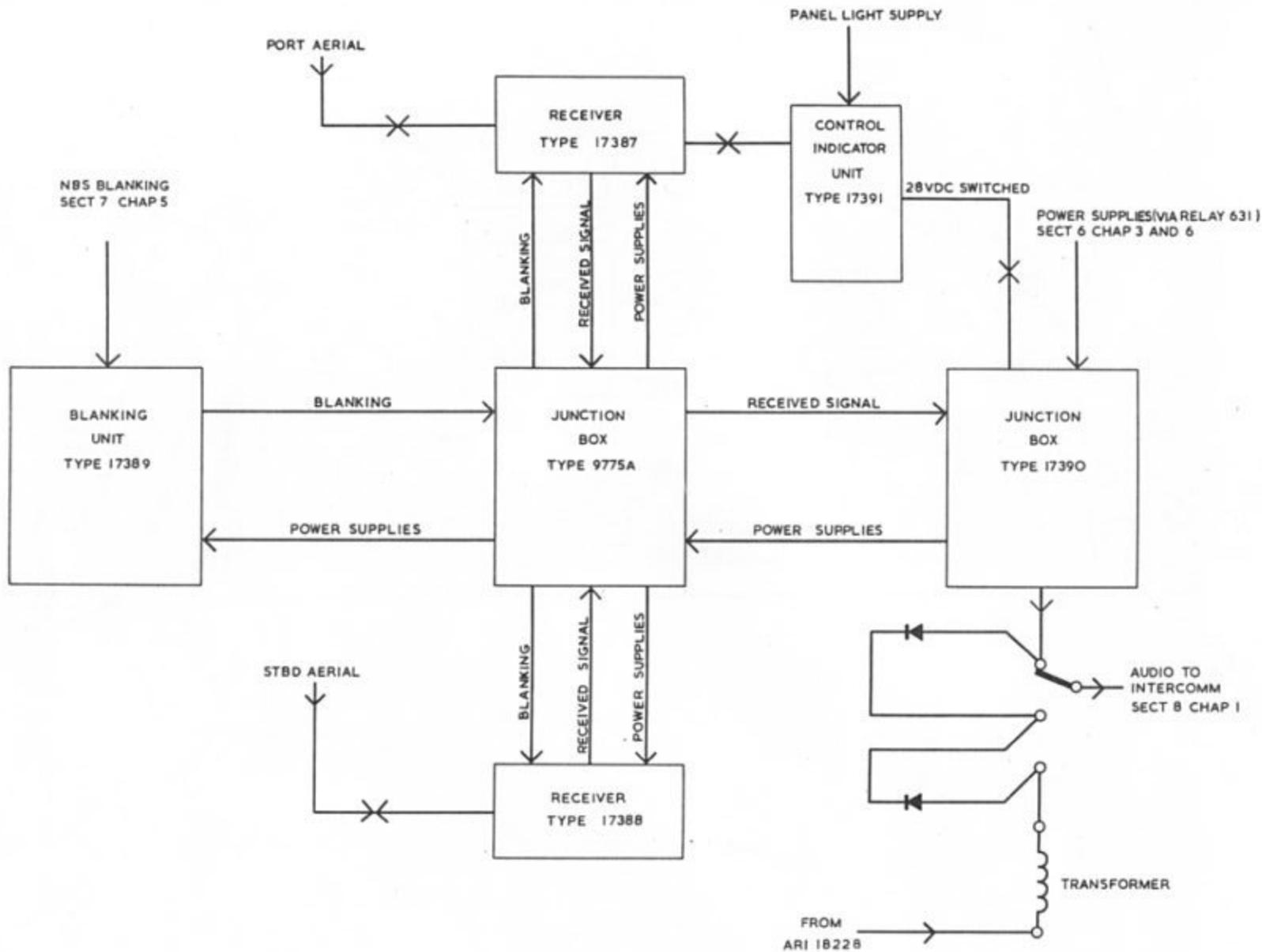


Fig. 3 ARI 18235 system block diagram

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