

CHAPTER 4

RADAR INSTALLATIONS

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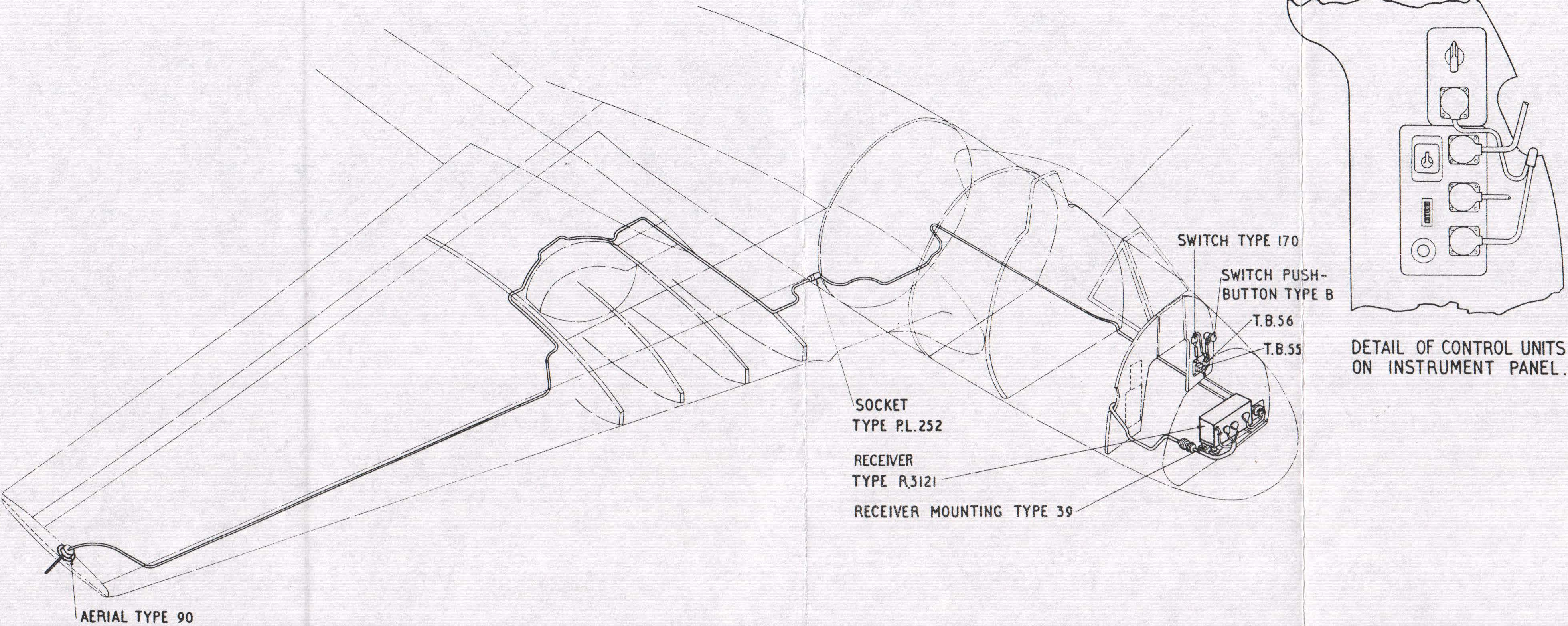
Introduction

1. This chapter contains illustrations giving the location, wiring connections, unit mountings and cable runs in the aircraft for the radar equipment, together with notes on the installation and the removal of the components and mountings.

A.R.I. 5131

2. The A.R.I. 5131 equipment (*fig. 1*) comprises a receiver, Type R.3121, mounted

in the nose of the aircraft. Control units, Type 89 and 90, are fitted on the right-hand instrument panel. A switch, Type 170, and a push-button, Type B, are mounted on the left-hand instrument panel. The aerial, Type 90, is mounted on the under-surface of the starboard wing tip. *Fig. 2* shows in detail the screws, etc., which have to be removed to take out the components and mountings. The power supply, coded QS+, is taken from a 20 amp. fuse, No. 25, fitted in J.B.1.



CONNECTORS				
NO.	REF. NO.	CABLE TYPE	FROM	TO
1		CONNECTOR	RECEIVER	SOCKET
2		CONNECTOR	SOCKET	RECEIVER
3		CONNECTOR	RECEIVER	SOCKET
4		CONNECTOR	SOCKET	T.B.'S.
5		CONNECTOR	SOCKET	CONTROL UNIT
6		CONNECTOR	CONTROL UNIT	J.B.I.
7		CONNECTOR	SOCKET	AERIAL

EQUIPMENT		
NO.	REF. NO.	DESCRIPTION
8	10DB/570	RECEIVER TYPE R.3121
9	10A/12222	MOUNTING TYPE 39
10	10H/1918	BULKHEAD PLUG TYPE W.385
11	10LB/90	CONTROL UNIT TYPE 89
12	10LB/91	CONTROL UNIT TYPE 90
13	10H/13079	SOCKET TYPE 395
14	110H/1555	SOCKET TYPE PL.258
15	10BB/867	AERIAL TYPE 90
16	10F/17714	SWITCH TYPE 170
17	50/898	PUSH-BUTTON TYPE "B"

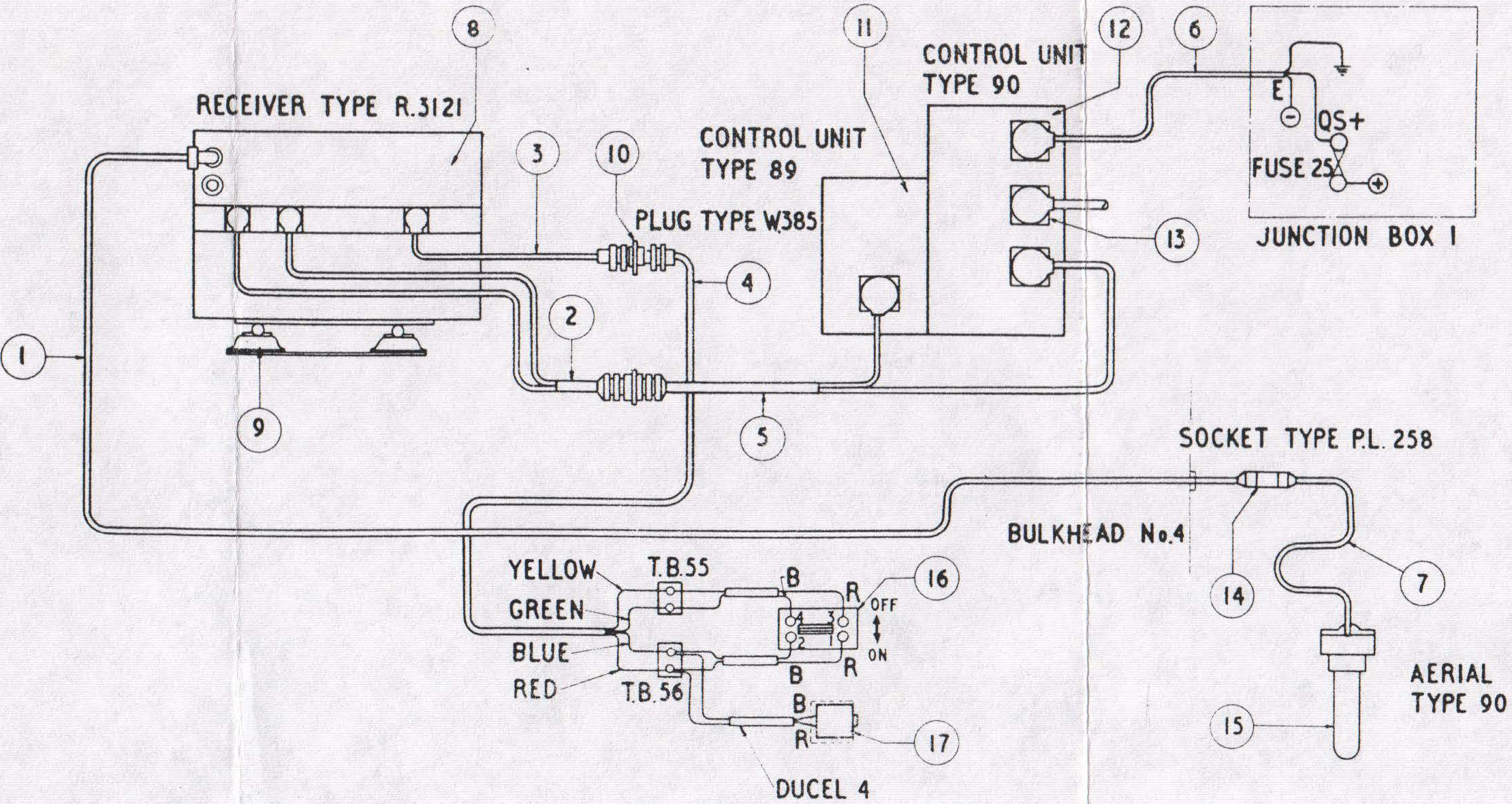
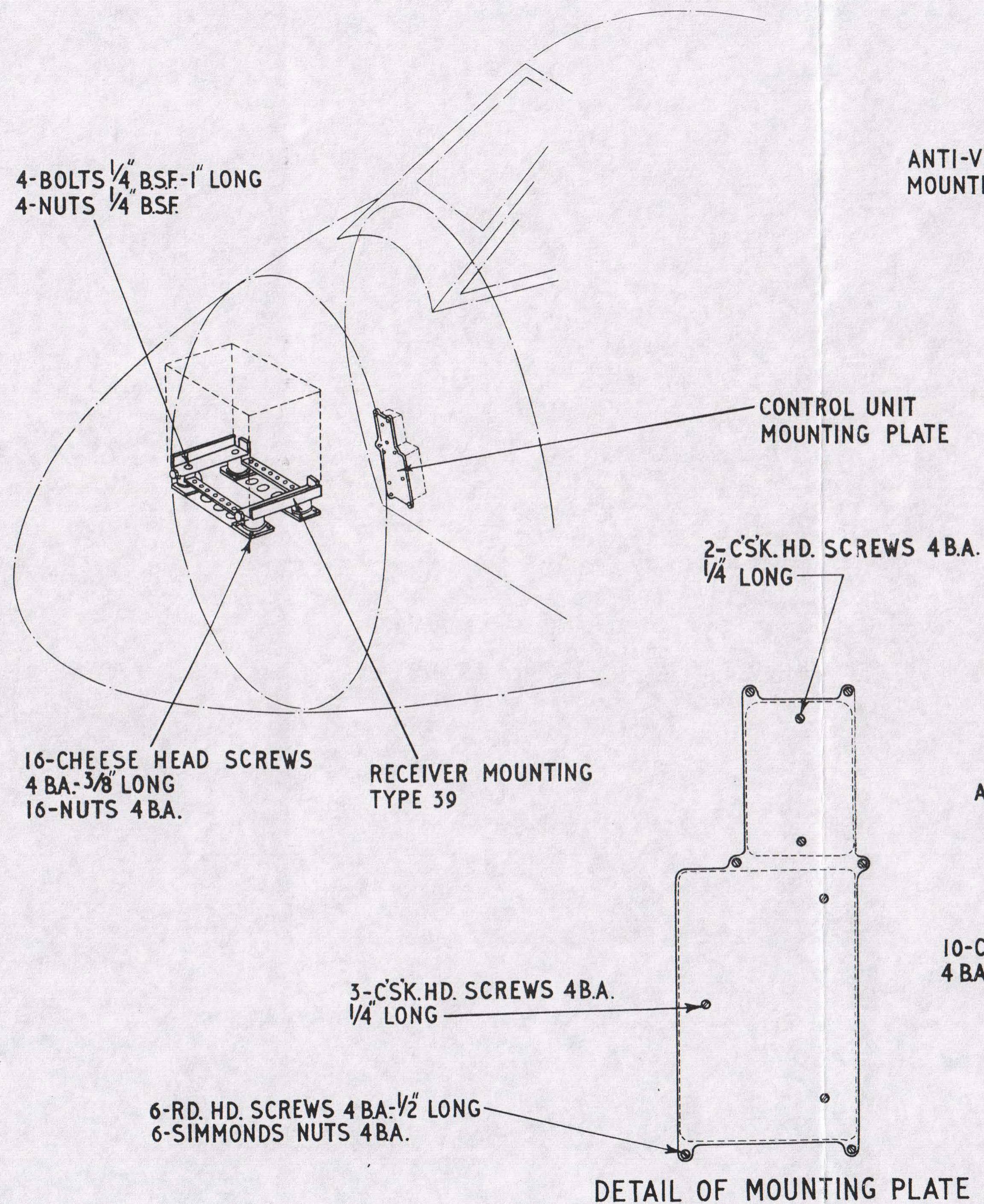


FIG.1 A.R.I. 5131



ANTI-VIBRATION
MOUNTINGS

KNURLED LOCKING SCREW

DETAIL OF RECEIVER MOUNTING

8-SIMMONDS NUTS 2 BA.

8-C'SK. HD. SCREWS 2 BA.
 $2\frac{1}{4}$ " LONG

ANCHOR NUT

10-C'SK. HD. SCREWS
4 BA. $\frac{1}{2}$ " LONG

DETAIL OF AERIAL MOUNTING

FIG.2 UNIT MOUNTINGS FOR A.R.I. 5131

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