

CHAPTER 3

WIRELESS INSTALLATIONS

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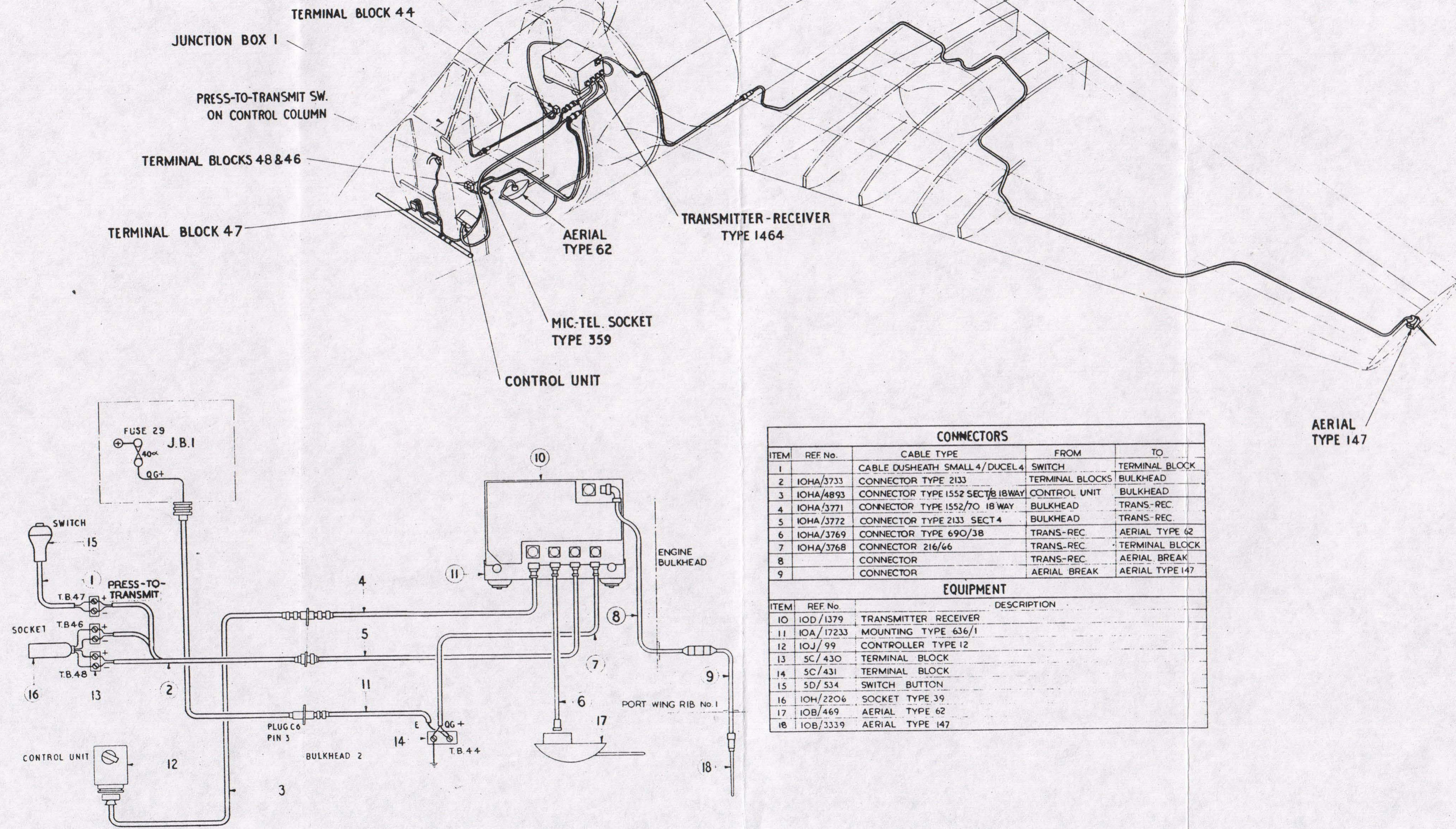
Introduction

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

A.R.I. 5229

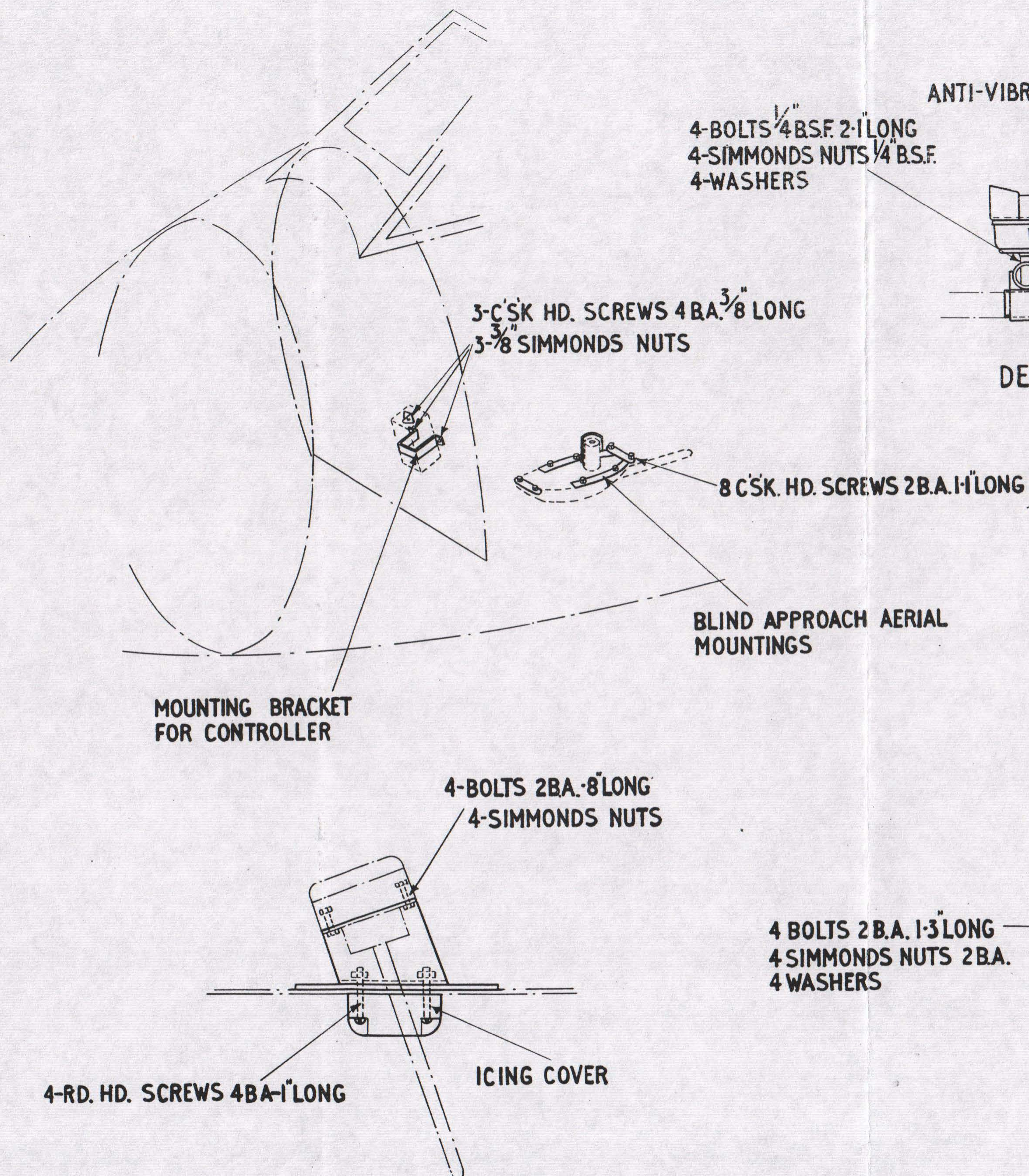
2. The A.R.I. 5229 equipment comprises a transmitter-receiver, Type T.R.1464, which is mounted in the fuselage behind the pilot's seat. A Type 12 controller is mounted on the port side of the cockpit and the PRESS-TO-TRANSMIT switch is fitted

on the control column. The transmitter-receiver is connected to a MIC. TEL. socket, Type 359, and a terminal block assembly mounted on the front of the pilot's seat. The B.A. aerial is mounted on the underside of the fuselage below the cockpit, and the V.H.F. aerial, Type 147, is mounted on the undersurface of the port wing tip. The transmitter-receiver is removed by loosening the two knurled buttons on the end of the mounting tray. The mounting bracket may be removed by taking out the fixing screws, as shown in detail on fig. 2. The power supply, coded QG+, is taken from a 40 amp. fuse No. 29 fitted in J.B.1.



CONNECTORS				
ITEM	REF. No.	CABLE TYPE	FROM	TO
1		CABLE DUSHEATH SMALL 4/DUCEL 4	SWITCH	TERMINAL BLOCK
2	IOHA/3733	CONNECTOR TYPE 2133	TERMINAL BLOCKS	BULKHEAD
3	IOHA/4893	CONNECTOR TYPE 1552 SECT 8 18WAY	CONTROL UNIT	BULKHEAD
4	IOHA/3771	CONNECTOR TYPE 1552/70 18 WAY	BULKHEAD	TRANS-REC.
5	IOHA/3772	CONNECTOR TYPE 2133 SECT 4	BULKHEAD	TRANS-REC.
6	IOHA/3769	CONNECTOR TYPE 690/38	TRANS-REC.	AERIAL TYPE 62
7	IOHA/3768	CONNECTOR 216/66	TRANS-REC.	TERMINAL BLOCK
8		CONNECTOR	TRANS-REC.	AERIAL BREAK
9		CONNECTOR	AERIAL BREAK	AERIAL TYPE 147
EQUIPMENT				
ITEM	REF. No.	DESCRIPTION		
10	IOD/1379	TRANSMITTER RECEIVER		
11	IOA/17233	MOUNTING TYPE 636/1		
12	IOJ/99	CONTROLLER TYPE 12		
13	5C/430	TERMINAL BLOCK		
14	5C/431	TERMINAL BLOCK		
15	5D/534	SWITCH BUTTON		
16	IOH/2206	SOCKET TYPE 39		
17	IOB/469	AERIAL TYPE 62		
18	IOB/3339	AERIAL TYPE 147		

FIG. I A.R.I. 5229



ANTI-VIBRATION MOUNTING

STOWED POSITION

DETAIL OF TRANSMITTER-RECEIVER MOUNTINGS

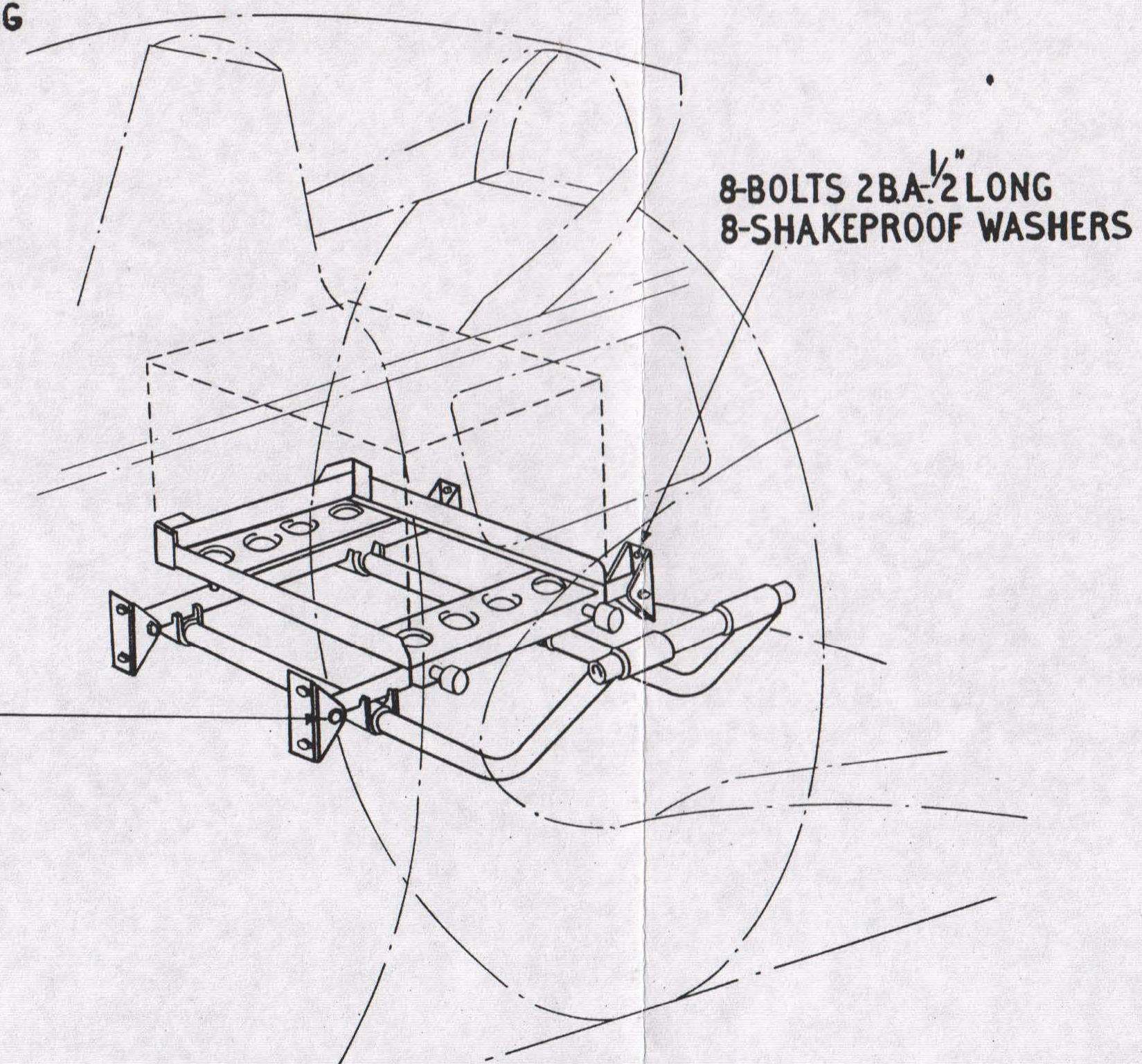


FIG. 2 UNIT MOUNTINGS FOR A.R.I. 5229



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