

GROUP 2.C

OIL PRESSURE GAUGE AND TACHOMETER (CODE OP AND RA)

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Introduction

1. This group contains the description, and operation, of the engine oil pressure gauge and tachometer circuits installed in this aircraft. Routeing and theoretical circuit diagrams are included. A general description of the aircraft's instrument installation is given in Group 1.A; for the location and access to all the instruments

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and their associated equipment, reference should be made to Group 1.C. Detailed information on the standard components used, together with the method of operation and the necessary servicing required to maintain them in an efficient condition will be found in the Air Publications listed in Table 1.

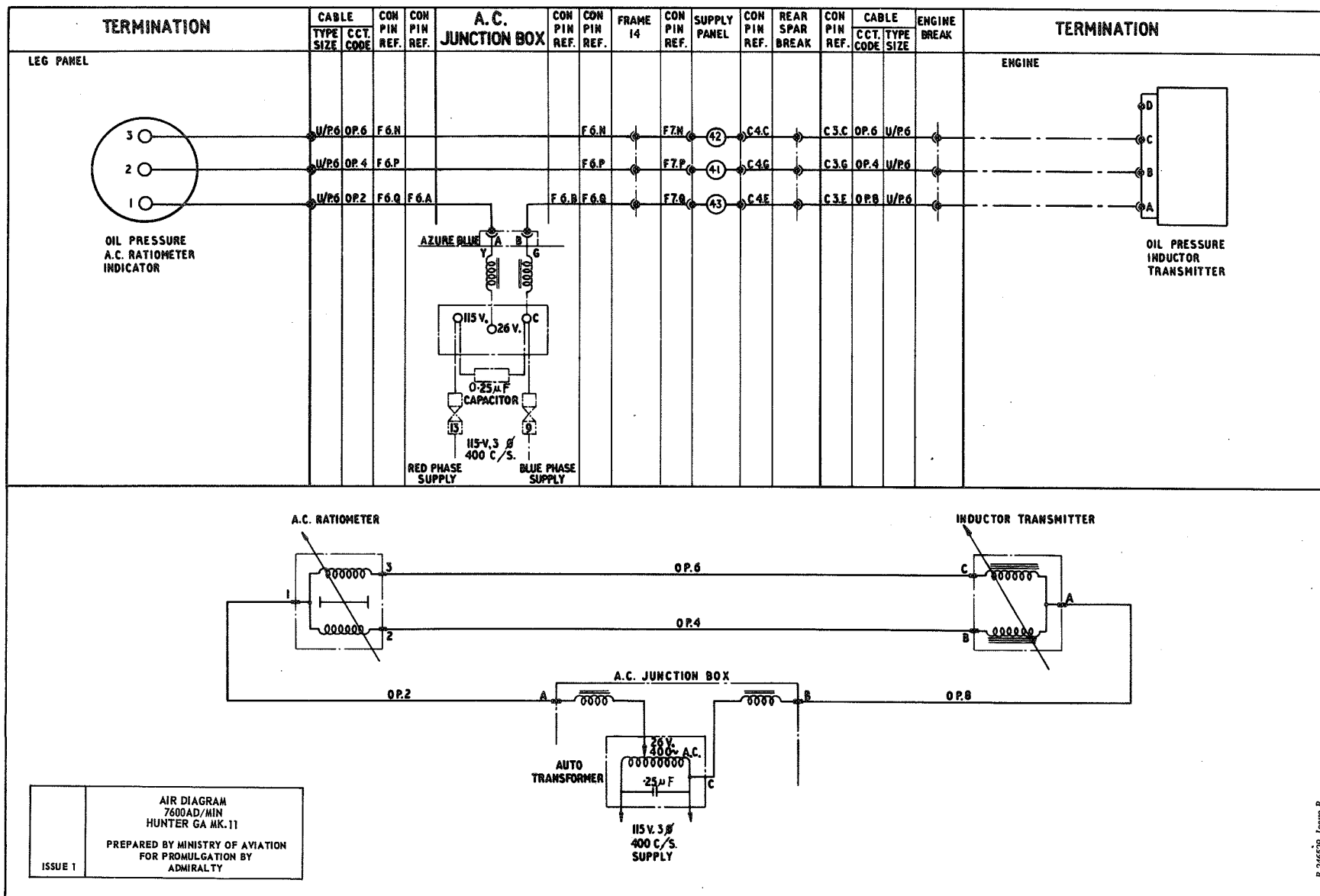


Fig.1 Oil pressure gauge (routeing and theoretical)

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Equipment details*Oil pressure gauge (Code OP)*

2. The oil pressure gauge is an a.c. ratiometer type instrument mounted on the leg panel in the cabin and actuated by an inductor transmitter mounted on the engine sump. The 26 volt a.c. supply to these units is obtained from the a.c. supplies circuit, via an auto transformer, as described in Sect.5, Chap.1, Group E.1.

Tachometer (Code RA)

3. The tachometer is an electrically-operated indicator situated on the flying instrument panel and supplied with current

from an engine-driven tachometer generator located on the engine wheelcase. The indicator and generator form a closed circuit as shown on the routing and theoretical diagrams given in fig.2.

SERVICING**General**

4. The servicing necessary to maintain the oil pressure gauge and tachometer in an efficient condition and the standard serviceability tests, which should be applied, together with the equipment to be used and the method of conducting the tests is contained in the appropriate Air Publica-

tions listed in Table 1. Before servicing or removing the instruments, the aircraft must be rendered electrically safe, as described in Section 5, Chapter 1, Group A.1.

REMOVAL AND ASSEMBLY**General**

5. The removal of the flying instrument panel, which carries the tachometer is described in Group 1.B and the removal of the leg panel, which contains the oil pressure gauge is described in Sect.5, Chap.1, Group A.2. Once access has been obtained, the removal of the items should present no difficulty.

TABLE 1**Equipment type and Air Publication reference**

Equipment	Air Publication
Oil pressure gauge, Type 1.ACR	A.P.1275A, Vol.1, Sect.16
Inductor transmitter, Type 480AG/SB Mod.01	...
Auto-transformer, Type 213-MV	A.P.4343B, Vol.1, Book 2, Sect.19
Tachometer, Mk.10A	...
Tachometer generator, Mk.8C	A.P.1275A, Vol.1, Sect.26

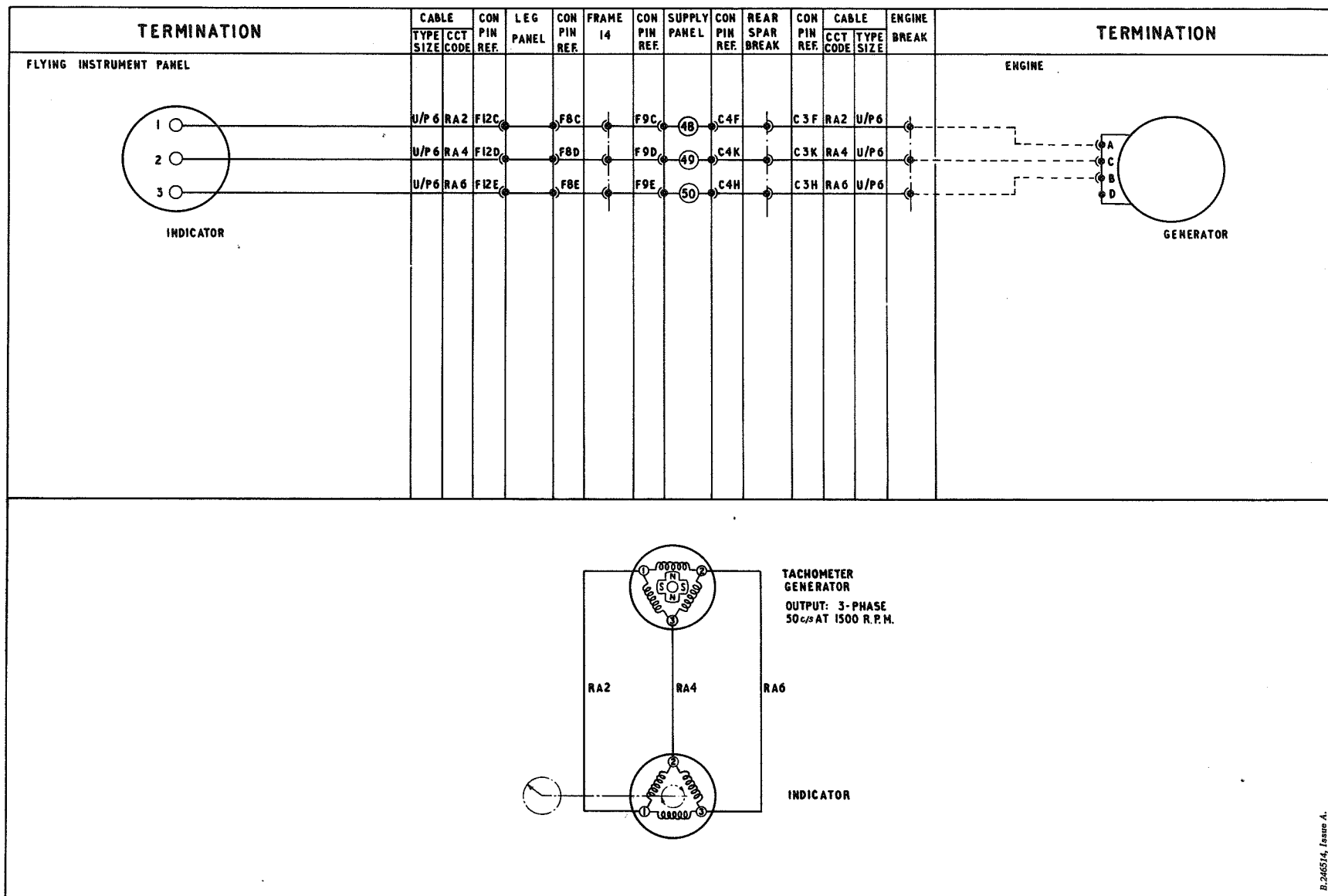


Fig.2 Tachometer (routeing and theoretical)

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