Chapter 37

AUTO-TRANSFORMER, HADDON TYPE PK251/3

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LIST OF ILLUSTRATIONS

LEADING PARTICULARS

Auto-transformer	*Ref. No. 5UB/8388*
Input voltage	*115V a.c. 400 c/s*
Output voltage	
Between terminals C and S1	*26V a.c. 400c/s*
Between terminals C and S2	*5V a.c. 400c/s*
Overall dimensions	
Length	$3\frac{3}{16}$ *in.*
Height	$3\frac{1}{16}$ *in.*
Width	$2\frac{1}{2}$ *in.*

Introduction

1. This transformer is an air cooled type, used to provide a.c. supplies for radio equipment of 5V and 26V at 400 c/s, from the aircraft electrical system.

SERVICING

Winding resistance

2. The d.c. resistances of the transformer windings when measured at 20°C are as follows:—

Between terminals C and S2	0·016Ω ± 10 per cent
Between terminals C and S1	0·096Ω ± 10 per cent
Between terminals C and P	1·196Ω ± 10 per cent

Insulation resistance

3. The insulation resistance should be measured with a 500V tester, between each terminal and the transformer casing and a value of not less than 5 megohms obtained.

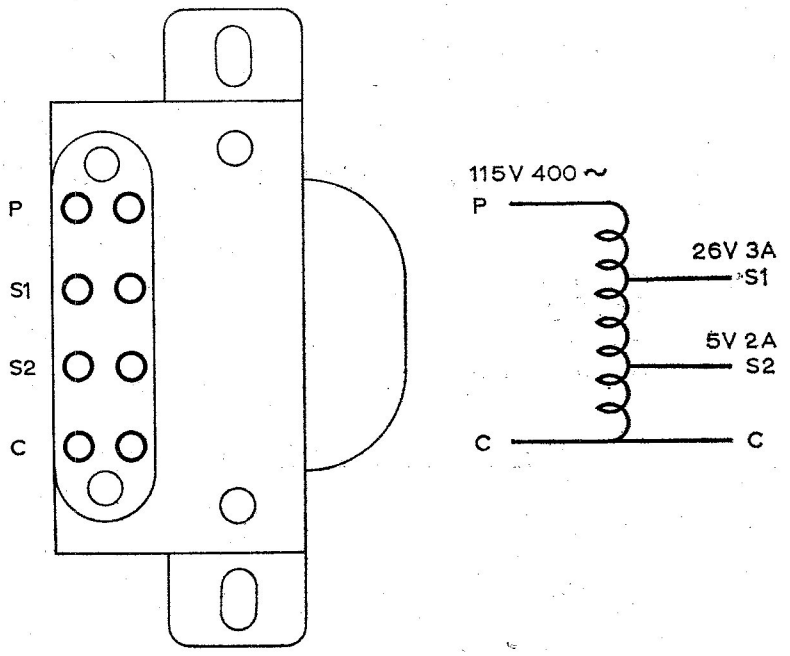

Fig. 1. Terminal connections and circuit diagram

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