

## Chapter 37

## AUTO-TRANSFORMER, HADDON TYPE PK251/3

## LIST OF CONTENTS

	<i>Para.</i>
<i>Introduction</i> ... ..	1
<b>Servicing</b>	
<i>Winding resistance</i> ... ..	2
<i>Insulation resistance</i> ... ..	3

## LIST OF ILLUSTRATIONS

	<i>Fig.</i>
<i>Terminal connections and circuit diagram</i> ... ..	1

## LEADING PARTICULARS

<i>Auto-transformer</i> ... ..	<i>Ref. No. 5UB/8388</i>
<i>Input voltage</i> ... ..	<i>115V a.c. 400 c/s</i>
<i>Output voltage</i>	
<i>Between terminals C and S1</i> ... ..	<i>26V a.c. 400c/s</i>
<i>Between terminals C and S2</i> ... ..	<i>5V a.c. 400c/s</i>
<i>Overall dimensions</i>	
<i>Length</i> ... ..	<i>3<math>\frac{3}{16}</math> in.</i>
<i>Height</i> ... ..	<i>3<math>\frac{1}{8}</math> in.</i>
<i>Width</i> ... ..	<i>2<math>\frac{1}{2}</math> in.</i>

**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	$0.016\Omega \pm 10$ per cent
Between terminals C and S1	$0.096\Omega \pm 10$ per cent
Between terminals C and P	$1.196\Omega \pm 10$ per cent

**RESTRICTED**

### 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.

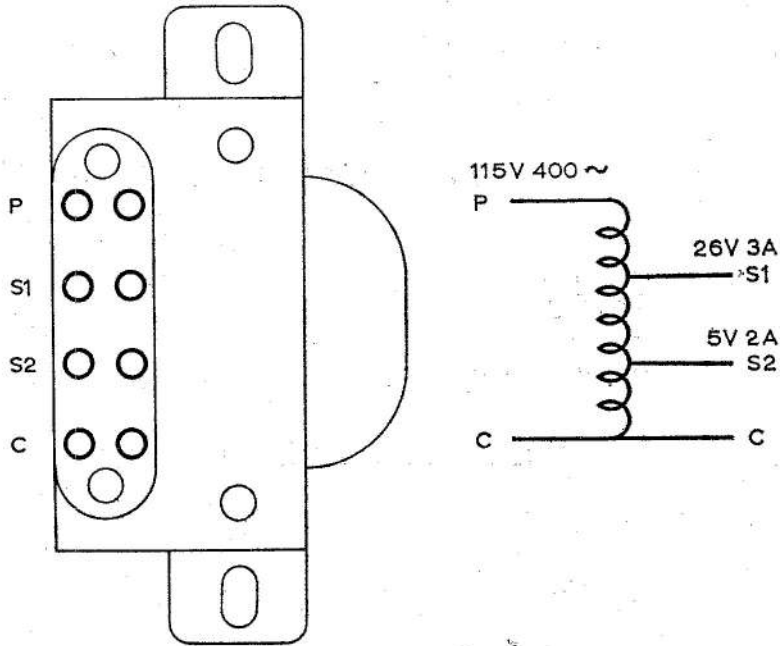


Fig. 1. Terminal connections and circuit diagram

**RESTRICTED**

This file was downloaded  
from the RTFM Library.

Link: [www.scottbouch.com/rtfm](http://www.scottbouch.com/rtfm)

Please see site for usage terms,  
and more aircraft documents.

