

WESTON ELECTRICAL INSTRUMENTS FOR AIRCRAFT

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Sangamo Weston Ltd. are Design Approved by the Ministry of Supply, and the engineers at our Works and at our Branches are always available to discuss any problems or to give any assistance which may be required in connection with these instruments. Enquiries at any of our addresses will receive immediate attention.

MODEL S.117 TRANSFORMER

Information contained in this manual affecting safe operation and maintenance has been verified and approved by the Air Registration Board in accordance with Chapter A6-2 of British Civil Airworthiness Requirements. 13. 3. 56.

Amendments to this publication invalidate the approval statement unless issued by the manufacturers with the concurrence of the Air Registration Board.

Date of Model Introduction 1948

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MODEL S.117 TRANSFORMER

INTRODUCTION

This is an inserted primary transformer and is designed for use on a 400 cycle supply.

The transformer should be positioned so that the circuit busbar runs centrally through it. The busbar when energised produces an A.C. field. This field induces an E.M.F. in the S.117 Transformer proportional to the current flowing in the main bar.

INSTALLATION

Refer to the Fixing Diagram for details of Installation.

INSPECTION

The transformer must be given a D.C. continuity test every 4,800 hours. Use a low value ohmmeter, or a galvanometer.

MAINTENANCE AND REPAIR

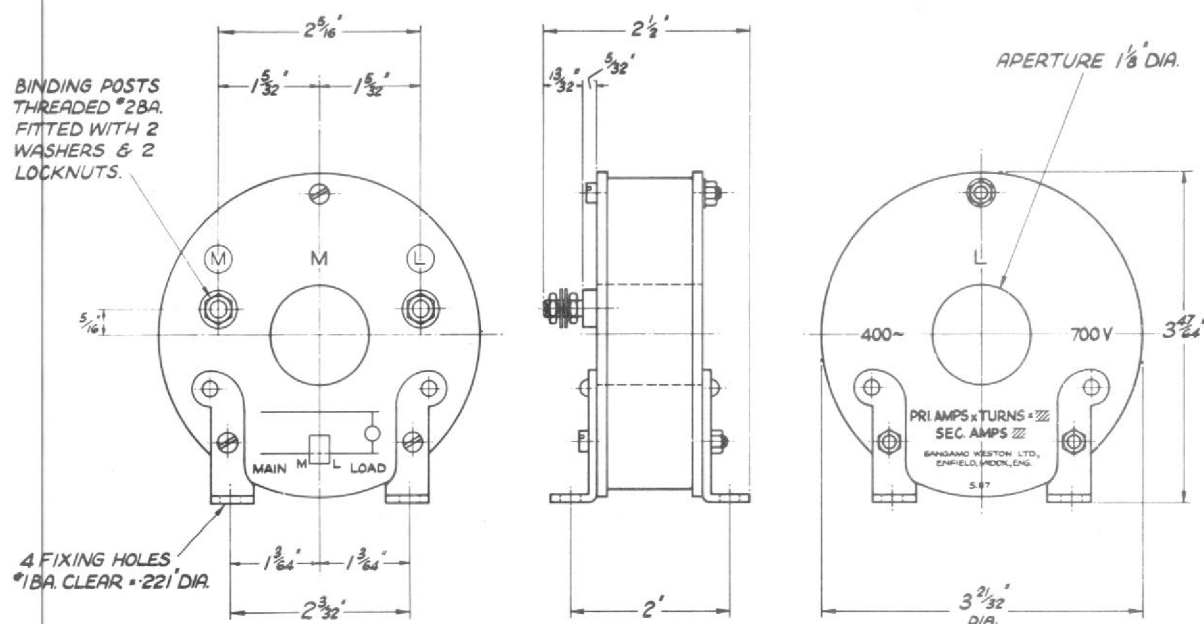
No maintenance and repair is possible except for the continuity test, specified in the previous paragraph.

RECOMMENDED SPARES

The transformer is an unrepairable item and, therefore, no spares are necessary.

ACCURACY

Provided the transformer meets the requirements of the continuity test the original accuracy should not be impaired.



DECLARATION INFORMATION REQUIRED BY BRITISH STANDARD G.100 MODEL S.117

Weight	..	..	..	..	..	..	..	..	..	1 1/4 lbs.
Maximum storage period without preservation packing	..	..	..	..	..	..	..	..	..	12 months.
Acceleration Grade	..	..	..	..	..	..	..	..	..	1A
Climatic Grade	..	..	..	..	..	..	..	..	..	1
Altitude Rating	..	..	..	..	..	..	..	..	..	60,000 ft.
Vibration Grade	..	..	..	..	..	..	..	..	..	1
Fire Resistance Grade	..	..	..	..	..	..	..	..	..	Fire Resistant.
Compass Safe Distance	Not Applicable.
C. G. Position	Approximately symmetrical about centre lines.



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