

Chapter 49**LAMP HOLDERS, TYPE A, No. 1 AND 2 AND TYPE B****LIST OF CONTENTS**

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LEADING PARTICULARS

<i>Lampholder, Type A, No. 1, assembly complete</i>		
<i>Thorn Part No. 80/10/0014 (formerly PPL90)</i>		<i>Ref. No. 5CX/5143</i>
<i>Lampholder, Type A, No. 2, assembly complete</i>		
<i>Thorn Part No. 80/10/055 (formerly PPL120)</i>		<i>Ref. No. 5CX/5144</i>
<i>Lampholder, Type B, assembly complete</i>		
<i>Thorn Part No. 80/10/0073 (formerly PPL100)</i>		<i>Ref. No. 5CX/5145</i>
<i>Spares</i>		
<i>Carrier cap and filter assembly, for Types A, No. 1 and A, No. 2</i>		
<i>Thorn Part No. 80/10/0059</i>		<i>Ref. No. 5CX/5289</i>
<i>Carrier cap and filter assembly, for Type B</i>		
<i>Thorn Part No. 80/10/0019</i>		<i>Ref. No. 5CX/5291</i>
<i>Light seal, for Types A, No. 1 and A, No. 2</i>		
<i>Thorn Part No. 80/10/0027</i>		<i>Ref. No. 5CX/5290</i>
<i>Light seal, for Type B</i>		
<i>Thorn Part No. 80/10/0025</i>		<i>Ref. No. 5CX/5292</i>
<i>Filament lamp, special miniature, 28 volt 0.04 amp</i>		<i>Ref. No. 5L/9959118</i>

RESTRICTED

Introduction

1. The Types A and B lampholders, shown in fig. 1, are used for introducing light into the cross section of a plastic panel. The red transparent polystyrene tube, covering the filament lamp allows light to radiate around its circumference. A soft rubber sealing washer over the end of the tube prevents light escaping round the edge of the unit. The Type A is flush fitting and the Type B is a surface fitting, the latter being used where

no room exists behind the panel for the usual electrical connections. The bases of the Type A, No. 1 and the Type A, No. 2 are also used in the Thorn series of miniature warning lamps, details of which are given in A.P. 4343E, Vol. 1, Book 4.

Note . . .

Future aircraft will have lamps fitted with clear filters instead of the present red types.

DESCRIPTION

Types A, No. 1 and 2

2. The Types A, No. 1 and 2 are identical in construction with the exception of the electrical connection, Type A, No. 1, having a soldering spill, and the Type A, No. 2 a screw terminal. The lampholders consist of two parts, namely the base, and the filter and cap assembly. The base is of metal having an insulated centre spring-loaded contact. A hexagonal back nut and a lock washer hold the base in position on the panel, and a small projection under the collar of the base prevents it from turning. The filter and cap assembly consists of a polystyrene tube contained in a moulded screw cap. A soft rubber sealing washer fits under the cap to prevent any light from escaping around the edge of the unit.

Type B

3. This lampholder is in two parts, the base being the main assembly, the cap assembly and seal forming the other. The base contains the polystyrene tube, together with the insulated centre connection. The metal bridges connecting the cap thread to the base forms one electrical connection, the other one from the insulated centre, being brought up on the inside of the polystyrene tube. The cap assembly is a moulded screw cap containing a spring-loaded metal centre. A light seal is also provided for this type. The three types are shown in fig. 1.

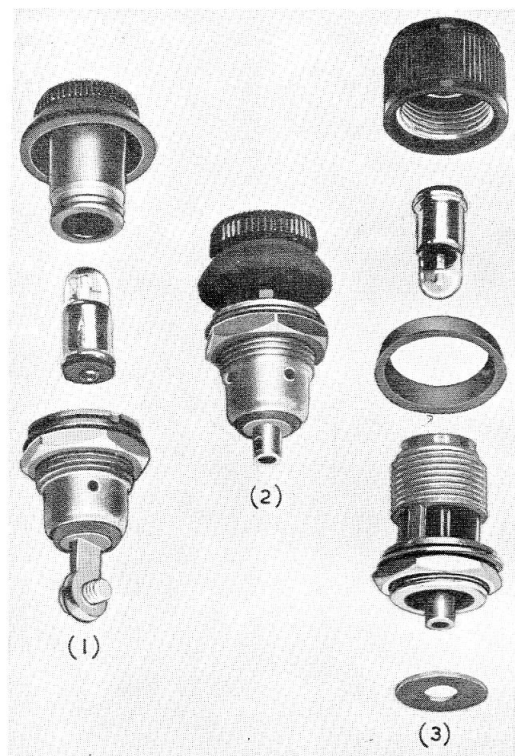


Fig. 1. Lampholders: (1) Type A, No. 1; (2) Type A, No. 2; (3) Type B

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