

Chapter 19

INSTRUMENT LAMP, TYPE C

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LEADING PARTICULARS

Instrument lamp, Type C (lampholder only)	Stores Ref. 5CX 2282
<i>Overall length</i>	1.33 in.
<i>Weight</i>	1 oz.
<i>Screens available—</i>	
<i>Uncut</i>	Stores Ref. 5CX 2280
<i>With vertical slot</i>	Stores Ref. 5CX 3364
<i>With slotted aperture</i>	Stores Ref. 5CX 3365
<i>With $\frac{1}{4}$ in. dia. end aperture</i>	Stores Ref. 5CX 3413
<i>With $\frac{3}{8}$ in. dia. end aperture</i>	Stores Ref. 5CX 3414
<i>With side aperture</i>	Stores Ref. 5CX 3430
<i>Weight of screen</i>	$\frac{1}{4}$ oz.
<i>Filament lamp—</i>	
<i>3.5 watt, Type Vac., clear (M.E.S.), 28-volt</i>	Stores Ref. 5L X951273
<i>or</i>	
<i>2.4 watt, Type Vac., clear (M.E.S.), 12-volt</i>	Stores Ref. 5L X951219

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(A.L. 52, July, 54)

Introduction

1. The instrument lamp described in this chapter is provided for the local illumination of instruments which cannot be satisfactorily lighted by a general lighting system.

DESCRIPTION

2. There are three ways in which the lamp can be used, two of which are described in this chapter. The third is for general cockpit lighting, where the lampholder is used with a bracket and key plate.

3. The lamp (fig. 1) consists of a moulded lampholder with two terminals. The filament lamp, details of which are given in Leading Particulars, screws into one end, where it makes contact with one leaf spring, a second spring being connected to the screwed metal lining of the moulding. The locking ring shown fits over the lampholder from the terminal end, and the terminal cover screws up against it.

4. Five screens, varying in size and position of the aperture as indicated in Leading Particulars, are available for this type of lamp. The appropriate screen slides over the end of the lampholder, and is secured by a small retaining stud on the screen which engages with the spring circlip on the moulding. These screens are illustrated in fig. 2.

INSTALLATION

5. The lamp, Type C, without any screen, may be plugged into an instrument having a special socket for it. In this instance, it is used with the items shown in fig. 1, i.e., the locking ring (Stores Ref. 5CX/2283) and ter-

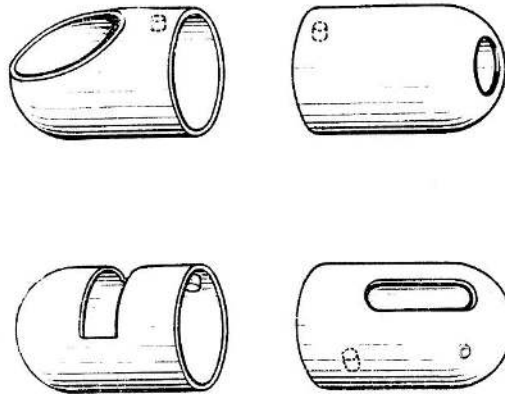


Fig. 2
Screens for instrument lamp, Type C

minal cover (Stores Ref. 5CX/2279). A stud on the inner surface of the socket engages with the recess on the lampholder, and so holds the lamp secure.

6. The lamp may alternatively be mounted on a bracket or panel external to the instrument to be illuminated. In such a position, with the terminals protected, it is mounted by means of a screwed collar (Stores Ref. 5CX/4060). The appropriate screen is fitted over the lampholder, and secured by the stud on the screen which engages with the recess on the lampholder.

7. When preparing the cable ends, the wires should be placed to the left of each terminal screw. In order that the terminal cover may grip the leads, it is necessary for the rubber to terminate as close as possible to the screw head.

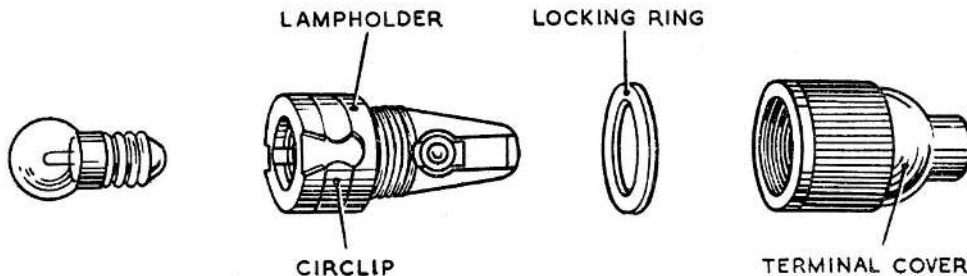


Fig. 1. Instrument lamp, Type C, with locking ring and terminal cover

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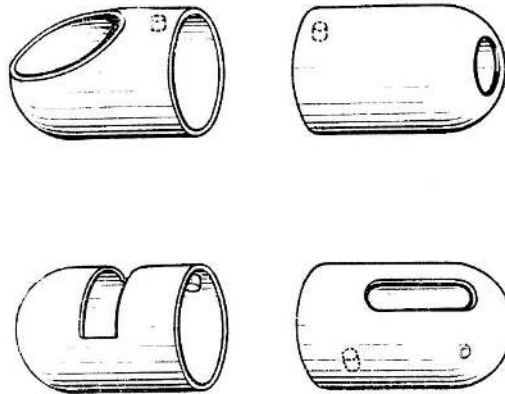


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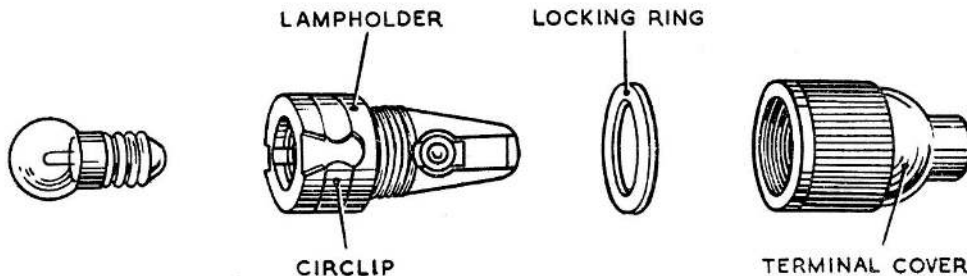


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LIGHTNING MK. 1
COVER PITOT HEAD
EB2-88-5111