

Chapter 67

LAMPS, NAVIGATION, TYPE AN3033

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LEADING PARTICULARS

Lamp, Navigation, Type AN3033-12 (Red) ...	Ref. No. 5CX/5544
Lamp, Navigation, Type AN3033-13 (Green)	Ref. No. 5CX/5545
<i>Operating voltage</i>	28V d.c.
<i>Overall dimensions—</i>	
<i>Length</i>	3 $\frac{13}{16}$ in.
<i>Width</i>	1 $\frac{7}{8}$ in.
<i>Height</i>	3 in.
<i>Lamp, filament</i>	5L/2650
<i>Domed glass red</i>	A.N.3042-1
<i>Domed glass green</i>	A.N.3042-2

Introduction

1. Navigation lamps are used on aircraft when night flying to give a visual indication of their presence and direction of flight. They are fitted at the extremities of the aircraft mainplanes, and are switched from the cockpit.

DESCRIPTION

2. A plan and sectioned view is given in

fig. 1. The lampholder forms an integral part of the lamp body which also contains a spring loaded plunger contact to which connection to the external supply is made.

3. The filament lamp is partially mirrored to give a concentrated beam of light in a given direction, and has offset bayonet pins to prevent inadvertant misalignment of the filament with respect to the glass cover. It is of the single contact type.

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SERVICING

4. The filament lamps may be tested by an operational check. Should the filament lamp appear blackened it should be replaced by a new item to prevent failure during operational use.

5. The glass dome should be periodically cleaned and inspected for cracks, and the whole item inspected for damage, corrosion, ingress of moisture and security of attachment. Access to the glass dome and filament lamp is by removing the cover retaining screw and cover.

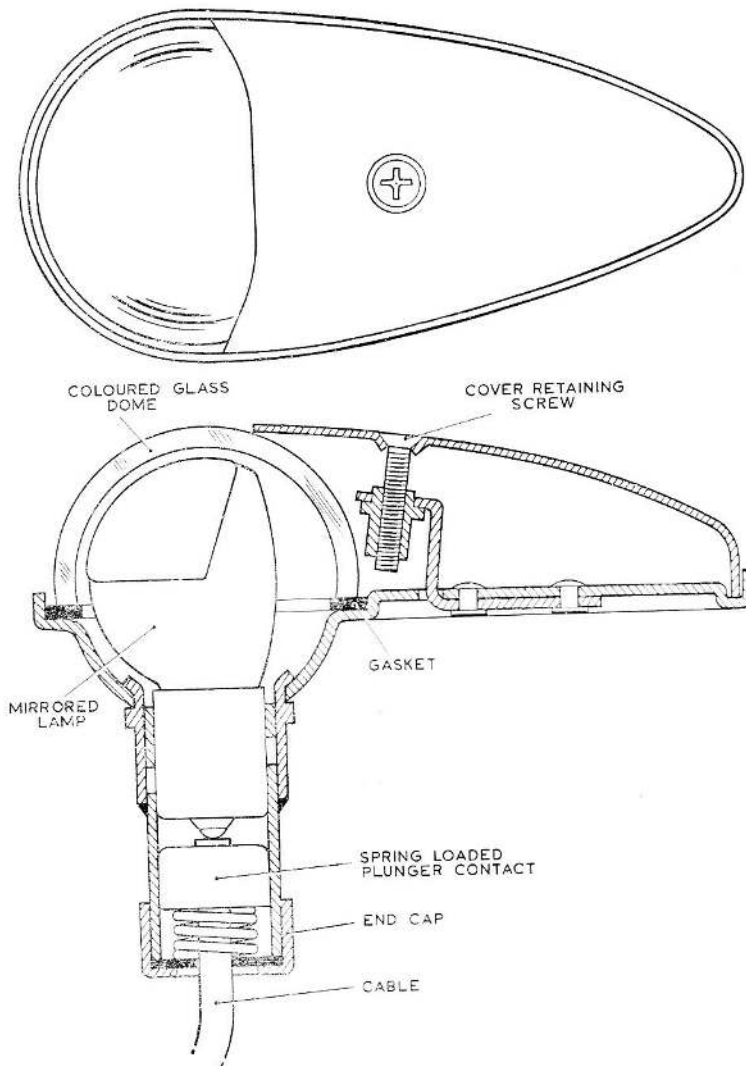


Fig. 1. Plan and sectional view

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