

## Chapter 105

### PASSENGER CALL BUTTON, TYPE 80/10/0688

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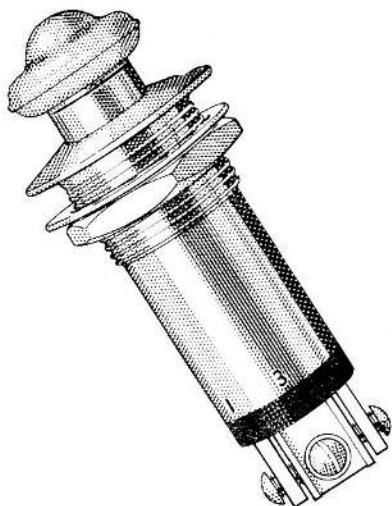
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#### LEADING PARTICULARS

|   |     |     |     |                      |
|---|-----|-----|-----|----------------------|
| Passenger call button, Type 80/10/0688  | ... | ... | ... | Ref. No. 5CW/8578    |
| Lamp, filament, 28V 0.04A               | ... | ... | ... | Ref. No. 5L/9959124  |
| <i>Overall dimensions</i>               |     |     |     |                      |
| <i>Length</i>                           | ... | ... | ... | 2 $\frac{1}{32}$ in. |
| <i>Projection behind mounting panel</i> | ... | ... | ... | 1 $\frac{1}{2}$ in.  |
| <i>Weight</i>                           | ... | ... | ... | 0.055 lb.            |

#### **Introduction**

1. The passenger call button, Type 80/10/0688, is designed to operate a buzzer and stay illuminated, until manually extinguished, to indicate the station of call.



**Fig. 1. General view**

#### **DESCRIPTION**

2. It is similar to an ordinary push switch but has a lamp incorporated in the push. The

body is constructed of aluminium alloy and incorporates a lampholder, plunger and switch unit. The switch unit is mounted on an insulated base and is operated by means of the plunger. The head of the plunger incorporates a lampholder and translucent cap. The body is threaded and provided with a retaining nut and shakeproof washer. Electrical connection to the item is by means of three screw terminals situated at the rear.

#### **OPERATION**

3. On first pressure of the plunger, contacts 1 and 2 are made, either of which makes the circuit to the lamp. Further pressure also closes contact 3. On release of pressure, the plunger returns to the second position opening contact 3. Contacts 1 and 2, however, remain closed until the plunger is manually withdrawn to its original position.

#### **SERVICING**

4. There is no access to the switch contacts, therefore little servicing can be done. Examine the item for security of attachment to the mounting panel and for secure electrical connections. A functional test may be applied to check the operation of the item. Access to the filament lamp is by unscrewing the translucent cap.

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