TABLE TELEPHONE—TELEPHONE No.746F WITH PROVISION FOR ONE OR TWO PRESS-BUTTONS
FOR USE ON AUTO SYSTEMS
TELEPHONE No.746R IS FOR USE ON PBX’S WITH RECALL ONLY. NOTE A.

FIG.1 TELEPHONE No.746F CIRCUIT DIAGRAM SHOWING CONNEXIONS AS ISSUED

NOTES:
A Telephone No.746R is supplied complete with a button engraved ‘Recall’ and a Switch No.5A*4. See Fig.3 for connexions as issued.
B Telephone No.746F may be used in place of Telephone No.706 in all auto extension plans. The Telephone No.746F may also replace the Telephone No.710 when two buttons are needed and the latching facility of the Telephone No.710 is not required.
C See Diagrams N848 and N4700 for the parts that can be added to the Telephone No.746.
D When an extension bell is required, remove Strap BT3–BT4 and connect the bell to BT7–BT8. A Switch No.5A–3 with Button 5/8BU/264 may be connected blue to T17, slate and brown to T16 to control the extension bell. Where this arrangement is unsuitable a Switch No.2A may be fitted in a suitable position and wired to short circuit the extension bell.
E The leads of auxiliary units should be terminated as shown on the appropriate diagram. Any spare lead should be secured to a spare terminal. Where this is not possible, the leads should be insulated from electrical contact with parts of the telephone and from each other. Where additional terminals are required, fit:
   1 off Part 2/DST/836 For Terminals T20–T25
   2 off Part 2/DST/836 For Terminals T20–T31
   1 off Strip Conn. No.155A For Terminals T20–T37
F With the exception of the handset, dial, and bell, all components are mounted on a printed wiring board. The complete unit is available for maintenance replacement as a Telephone Unit 092732.
G C1 and C2 may consist of two 0.9µF capacitors as shown, or a single 1.8µF capacitor.
H Terminals T2A, T19A and T19B may be provided but are not used. (The Terminals are used in "746 style" push button telephones.)
**FIG. 2 AUTOMATIC SYSTEMS SHARED SERVICE LINES (NOTE E)**

**USING:**
- Telephone No. 746F
- Switch No. 5A-4 (SA)
- Part 1/DBU/562
- Part 1/DPL/1022
- 2 Parts 1/DPL/203
- Thermistor No. 1A-1 (RY1)
- Valve, Electronic CV795, 7875, or 8805 (Note B)

**NOTES:**
- A. Remove straps T5-T6, T16-T17, T18-T19 and move strap in BT.
- B. In UAX areas with vibrator ringing, provide and fit Valve, Electronic CV...
- C. Exchange Line Connections
  - 'A' wire to BT8
  - 'B' wire to BT5
  - 'A' wire to BT5
  - 'B' wire to BT8
- D. When extension bell is required, remove strap BT2-BT3 and connect bell to BT0-BT7
- E. Telephone No. 746R should not be used for shared service.

**FIG. 3 2-WIRE PBX EXTENSIONS WITH RECALL TELEPHONE No.746R CONNEXIONS AS ISSUED**

**USING:**
- Telephone No. 746R
- Telephone No. 746F
- Switch No. 5A-4 (SA)
- Part 1/DBU/562
- Part 1/DPL/1022
- 2 Parts 1/DPL/203

**NOTE A**

- A. Use Telephone No. 746R if available in the required colour, alternatively use Telephone No. 746F and fit the parts listed.
- B. When extension bell is required, remove strap BT3-BT4 and connect bell to BT7-BT8

**FIG. 4 PMBX WITH ADDITIONAL SIGNALLING C-WIRE (PMBX 2/... and 3/... NOTE C)**

**USING:**
- Telephone No. 746R
- Switch No. 36A-1 (SB)

**NOTES A, B & C**

- A. Remove strap BT3-BT4 and add strap T17-T18
- B. The switch No. 5A-4 in a Telephone No. 746R must be rearranged to accord with the diagram
- C. For 2-wire extensions using UAA No. 96 or 96A wire, the telephone to Fig. 3, or use Telephone No. 746R as issued

**REMEMBER**

The Telephone No. 746F can accept 2 press-buttons (see Dgm N849). This makes it suitable for Plan IA on shared service, etc.

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<th>OLD SYMBOL</th>
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**WHAT IS A FORM A646?**

It's the form you should use to advise Headquarters of any apparatus that is defective or causes difficulties in the field.

* Keep a few with you — and use them.

Tif's CIA 0050 and EIA 0091 refer.