TELEPHONE No. 741 (MARK 1 & 2)
WALL TELEPHONE WITH PROVISION FOR 1 TO 4 PRESS-BUTTONS FOR USE ON AUTO SYSTEMS

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NOTE:—
1. Mark 2 has a plastic base

OTHER REFERENCES
Telecommunications Instructions ............................................................... C3 B1025
Auxiliary Units ....................................................................................... Dgm N848
Press Buttons ......................................................................................... Dgm N849

NOTES:—
A Telephone No. 741 may be used in auto extension plans in place of Telephone Nos 706, 710, 740, 746. The equivalent auxiliary units for use as required are shown in Dgm N4700
B When an extension bell is required, remove Strap T17-T18 and connect the bell in its place
C The leads of auxiliary units should be terminated as shown on 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
   or 1 off Strip Connexion No. 155A for Terminals T20-T37
D 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 at Telephone—Unit D92732
E C1 and C2 may consist of two 0.9 μF capacitors as shown, or a single 1.8 μF capacitor
FIG. 2. AUTOMATIC SYSTEMS SHARED SERVICE LINES

USING:
- Telephone No.741
- Switch No.5A-3 (Fig.5)
- Part 1/DBR/581
- Part 2/DBU/266 (Colour)
- Thermistor No.1A-1
- Valve Electronic CV8790 Note B
- 2 Parts 1/DBU/270 (Colour)

NOTES:

A. Remove Straps T5-T6, T16-T17, T17-T18, T18-T19

B. In UAK areas with vibrator ringing, provide and fit Valve Electronic CV8790

C. Exchange line connections
   - 'A' wire to T18 (Station X)
   - 'B' wire to T8
   - 'A' wire to T8 (Station Y)
   - 'B' wire to T18

D. When extension bell is required, provide and connect in place of Strap T14-T15

FIG. 3. 2-WIRE PBX EXTENSIONS WITH RECALL

USING:
- Telephone No.741
- Switch No.5A-3 (Fig.5)
- Part 1/DBR/581
- Part 2/DBU/266 (Colour)
- 2 Parts 1/DBU/270 (Colour)

NOTE:

A. Retain Strap T8-T9 for earth loop recall
   Remove Strap T8-T9 for 'one line earth loop disconnected' recall

FIG. 4. PMBXs WITH ADDITIONAL C-WIRE
(PMBX 2/... and 3/... Note A)

USING:
- Telephone No.741
- Switch No.5A-3 (Fig.5)
- Part 1/DBR/581
- Switch No.196-1 with Kit No.166A
- 2 Parts 1/DBU/270 (Colour)

NOTE:

A. For 2-Wire external extensions using UAA No.96 or 96A wire the telephone to Fig.3, retaining the Strap T8-T9
FIG. 5 FITTING SWITCH No. 5A-3
USED WITH.../DBU/Z66 FOR SHARED SERVICE, 2-WIRE PBX
EXTENSIONS, C-WIRE SIGNALLING ETC OR FOR BELL ON-OFF
ETC USING.../DBU/Z67

PART 1/OBR/381

SWITCH No. 5A-3

The Telephone No. 741 provides a built-in 'off hook' position for
the handset. The handset may be hung on one side of the instrument
with the earpiece resting between the horns of the cradle.

NOTES:-
A When the switch is fitted, the dummy supplied with the
telephone should be removed and stored inside the telephone

B The press-button locates in the mid-position of the button
slot.

C Two additional dummy buttons, part 1/OBU/270 (colour) should
be provided and fitted, one each side of the press-button
and secured with the clamping springs supplied with the
telephone.

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.
Tii's CIA 0050 and CIA 0091 refer.