TELEPHONES No.746F & No.746R

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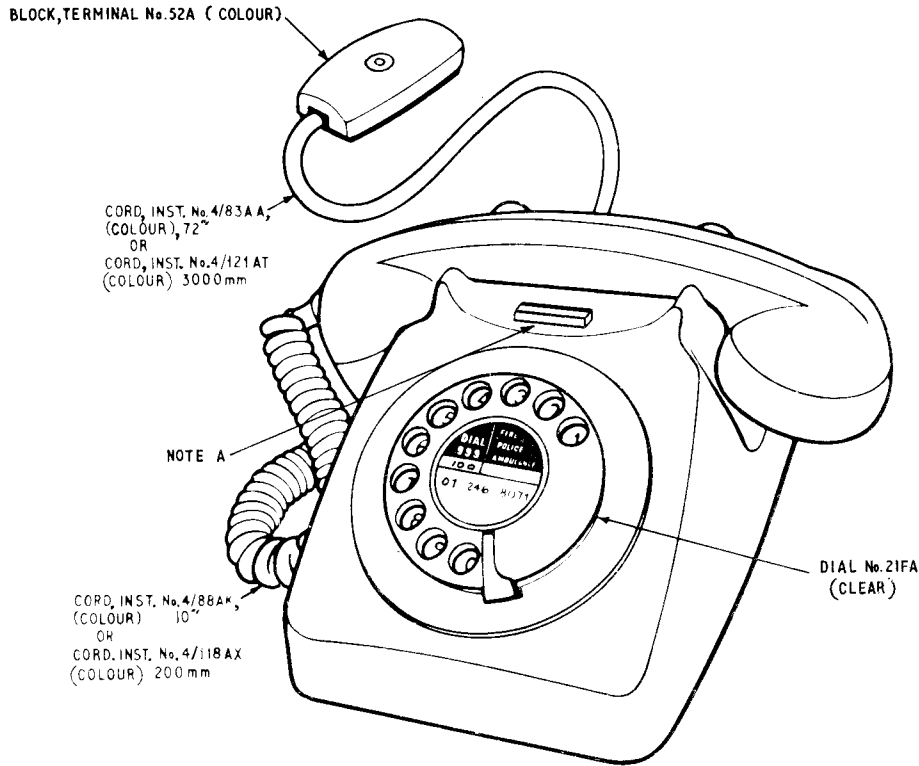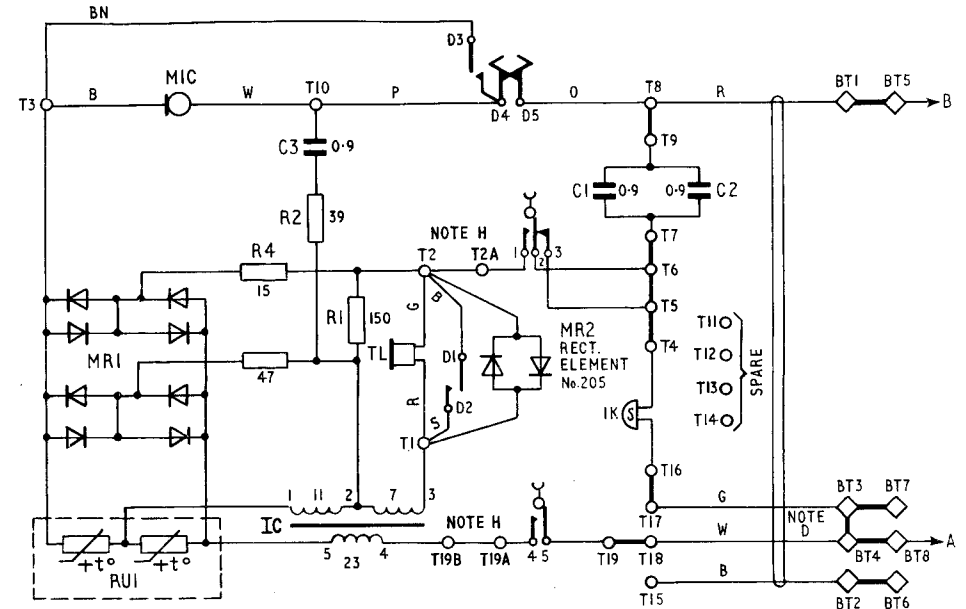TELEPHONE No.746R IS FOR USE ON PBX's WITH RECALL ONLY. NOTE A.**

N846
PAGE 1-2
ISSUE C

BLOCK, TERMINAL No.52A (COLOUR)

CORD, INST. No.4/83AA,
(COLOUR), 72″
OR
CORD, INST. No.4/121AT
(COLOUR) 3000mm

NOTE A

CORD, INST. No.4/88AK,
(COLOUR) 10″
OR
CORD. INST. No.4/118AX
(COLOUR) 200mm

DIAL No.21FA
(CLEAR)

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

CONTENTS

OTHER REFERENCES

Telecommunications Instructions . . . .
C3B1020 (Telephone No. 746)
C3B1035 (Telephone No. 746R)
E5B2746 (Maintenance)

Auxiliary Units . . . .
Dgm. N848
Dgm. N4700

Press-Buttons. . . . . .Dgm. N849

BRITISH TELECOMMS HQRS	ISSUE	C	TELEPHONE No.746F ADDED. NOTES AMENDED. PD 1·1·3		30-7-82
		B	MR2 ADDED MINOR CHANGES TELEPHONE No.746R ADDED		11·9·74
PAPER :— W		A	SWITCH 5A-4 WITH PARTS WAS SWITCH 5A-9		10·2·69
DISTN :— GENERAL			E.H.S TD 2 3 1 SECTION		5·5·67

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 3/DBU/264 may be connected blue to T17, slate and brown to T18 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 D92732.

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 I/DBU/362
Part I/DPL/1022
2 Parts I/DPI/203
Thermistor No.1A-1 (RY1)
Valve, Electronic CV8790, 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 Connexions
   'A' wire to BTB ⎫ Station X
   'B' wire to BT5 ⎭
   'A' wire to BT5 ⎫ Station Y
   'B' wire to BT8 ⎭

D When extension bell is required, remove
   Strap BT2-BT3 and connect bell to
   BT6-BT7

E Telephone No.746R should not be used
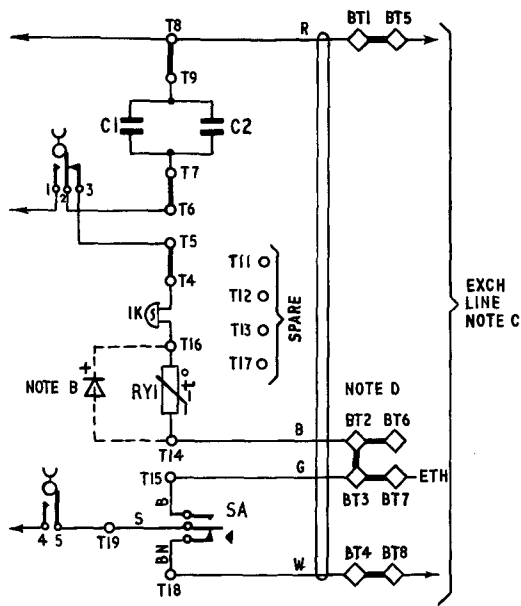   for shared service.

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

USING:—

Telephone No.746R
or
Telephone No.746F   ⎫
Switch No.5A-4 (SA)   ⎪
Part I/DBU/362   ⎬ NOTE A
Part I/DPL/1022   ⎪
2 Parts I/DPI/203   ⎭

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
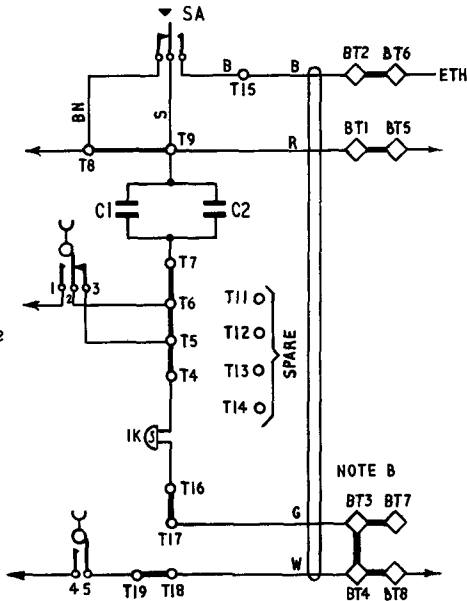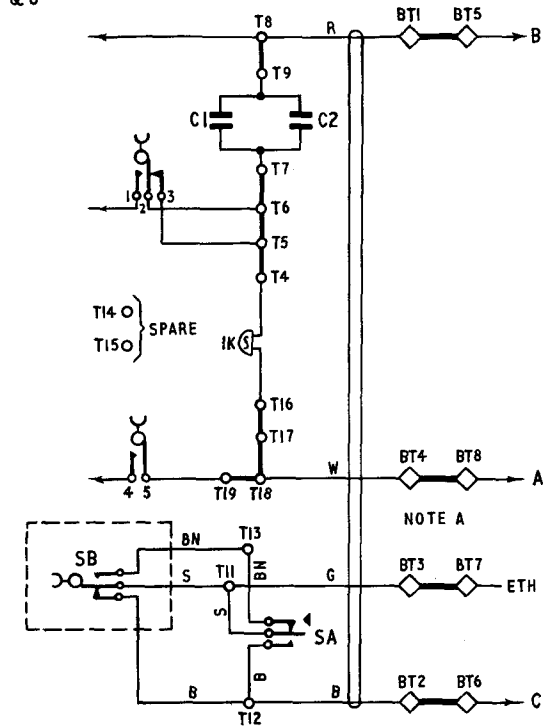   Strap BT3-BT4 and connect bell to
   BT7-BT8

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

USING:—

Telephone No.746R   ⎫ NOTES A,B & C
Switch No.36A-1 (SB) ⎭
or
Telephone No.746F   ⎫
Switch No.5A-4 (SA) ⎪
Part I/DBU/362   ⎪
Part I/DPL/1022   ⎬ NOTE A
2 Parts I/DPI/203   ⎪
Switch No.36A-1 (SB) ⎭

NOTES:—

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.

OLD SYMBOL	NEW SYMBOL BS3939
—⋀⋀⋀—	▭
—⋀●⋀—	▱ -t°
—⋀⋀⋀—	▱ +t°

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.

   TI's CIA 0050 and EIA 0091 refer.