Circuit diagram showing connections as issued Telephone 2/722 FIG1.

Shared service lines. FIG2.

2-Wire PBX extensions with recall. FIG3.

PMBX. with additional signalling C-Wire FIG4.

Off position on Tone Ringers. FIG5.

Circuit diagram showing connections as issued Telephone 722 FIG6.

Circuit diagram showing connections as issued Telephone 1722 FIG7.

NOTES:

A. When an extension bell is required, remove strap BT3-BT4 and connect bell to BT7-BTB.

B. The leads of auxiliary units should terminate as shown on the appropriate diagram, any spare lead to be secured on 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.

C. The Tone Ringer No. 8A fitted to this telephone includes a suppression circuit. A thermistor is not required for exclusive service connections.

D. When connected as a PMBX extension, fit a Resistor Coil No. 55A 3-9K in place of strap T4-T5. This resistor should also be fitted where unsatisfactory operation of the tone ringer is experienced when operated from vibrator or transistor ringing sources.

On extension plan arrangements, only one resistor should be fitted in series with the bells, normally in the main instrument.

E. REG (Regulator No. 7A) not fitted on Tele 2/722 MK 1.
**FIG. 2 SHARED SERVICE LINES**

**USING:**
- Telephone 2/722
- Switch No.15A-2 (SA)
- Valve, Electronic CV8790 (Note E)
- Thermistor IA-1

**NOTES:**
- A. Remove strap Ti8-T10, Ti5-T6.
- B. Shift Strap BT3-BT4 to BT2-BT3.
- C. In UAX areas with vibrator ringing, provide and fit Valve, Electronic CV8790.
- D. Exchange Line Connexions
  - A' wire to BT8
  - B' wire to BT5

**FIG. 3 2-WIRE PBX EXTENSIONS, WITH RECALL**

**USING:**
- Telephone 2/722
- Switch No.15A-2 (SA)

**NOTES:**
- A. Retain Strap T8-T9 for earth loop recall.

**FIG. 4 PBX WITH ADDITIONAL SIGNALLING C-WIRE (PBX Z/... and 3/...)**

**USING:**
- Telephone 2/722
- Switch No.15A-2 (SA)
- Switch No.19A-1 (SB)

**NOTES:**
- A. Remove strap BT3-BT4 and add strap T17-T18.
- B. For 2-Wire extensions using UAA No.96 or 96A wire the telephone to Fig 3.
FIG. 5

NOTES:
1. As issued the ringers are without the cut-off facility

2. To provide the cut-off facility:
   - Remove telephone cover
   - Remove stop screw shown in (a)
   - Replace stop screw as shown in (b)
   - Replace telephone cover

memo
Which way do you hold a jumper or a plugging chisel, palm or back towards the hammer?
SPARE
NOTES:
A. When an extension bell is required, remove strap BT3-BT4 and connect bell to BT7-BT8.

B. 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.

C. Telephones marked 722 MOD or 1/722 MOD have a Suppressor Unit C0 2429 and 22K Resistor fitted as indicated. Telephones marked 1/722 MK2 have a 22K Resistor fitted but the suppressor unit components are part of the tone ringer (Tone Ringer No.5B).

D. Thermistor RY1 may be part of the tone ringer or a separate Thermistor IA1 fitted to terminals T16-T17, in which case the static load from the tone ringer will be connected to a spare terminal (usually T13).

E. If not already fitted by manufacturer, fit a Rectifier Element No.205 to terminals T1-T2.
**FIG. 8** SHARED SERVICE LINES

**USING:**
Telephone 722 or 1/722
Switch No.13A-2 (SA)
Valve, Electronic CV8790 (Note E)

**NOTES:**
A. Remove Strap T18-T19, T5-T6. Shift Strap BT3-BT4 to BT2-BT3
B. In UAX areas with vibrator ringing, provide and fit Valve, Electronic CV8790
C. Exchange Line Connections
   'A' Wire to BT6 Station X
   'B' Wire to BT8 Station Y
D. When extension bell is required, remove Strap BT2-BT3 and connect bell to BT6-BT7
E. A CV7875 or 8805 may alternatively be used

**FIG. 9** 2-WIRE P.B.X. EXTENSIONS, WITH RECALL

**USING:**
Telephone 722 or 1/722
Switch No.13A-2 (SA)

**NOTES:**
A. Retain Strap T8-T19 for earth loop recall.
B. Strap T5-T6 must not be fitted in Telephones 722
C. Where fitted, recover 22X Resistor from T5-T15

**FIG. 10** P.M.B.X. WITH ADDITIONAL SIGNALLING

**C-WIRE** (PMBX. 2/... and 3/...)

**USING:**
Telephone 722 or 1/722
Switch No.13A-2 (SA)
Switch No.19A-1 (SB)

**NOTES:**
A. Remove Strap BT3-BT4 and add Strap T17-T18
B. For 2-Wire extensions using UAA No.96 or 96A wire the telephone to Fig. 9
C. Strap T5-T6 must not be fitted in Telephones 722