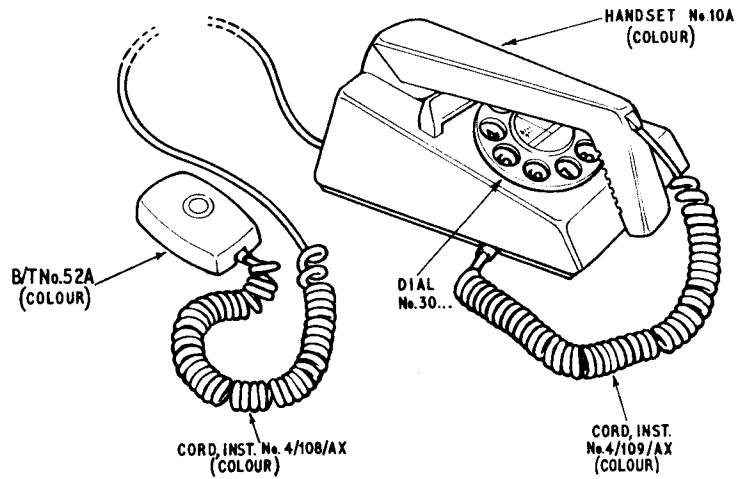


# TELEPHONES 722...1&2/722...(COLOUR)

TABLE TELEPHONE WITH PROVISION FOR ONE PRESS  
BUTTON FOR USE ON AUTO SYSTEMS.



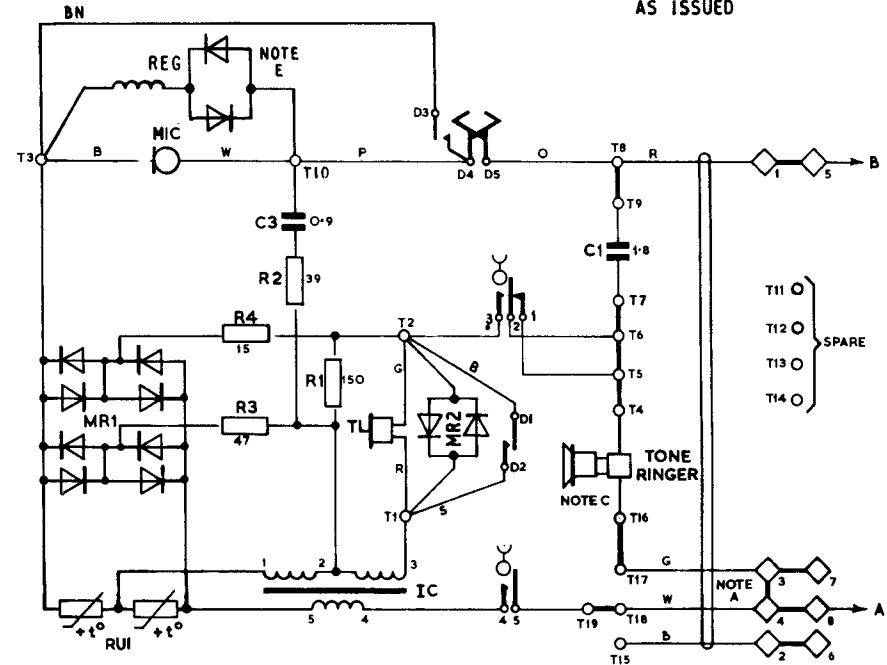
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Circuit diagram showing connexions as issued Telephone 722	FIG.6.
Circuit diagram showing connexions as issued Telephone 1/722	FIG.7.

### OTHER REFERENCES

Telecommunications Instructions	C3 B1015
Extension plan arrangements	DIAGRAM N820.

FIG.1. CIRCUIT DIAGRAM SHOWING TELEPHONES 2/722 (MARK 2) CONNEXIONS AS ISSUED



### 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 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 connexions.
- D. When connected as a PMBX4 extension, fit a Resistor Coil No.35A 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.

P.O. TELECOMMS. HQRS.			
PAPER :- W	ISSUE		
	C	REDRAWN AND REARRANGED. TELE. 2/722 (MARK 2) ADDED. FIG.5 WAS DGM.N691 FIGS. 1(b) AND 2 (b). L.R.D.	16.4.74
	B	REDRAWN AND REARRANGED. TELE 2/722 ADDED. RL	24.2.71
	A	TELEPHONE 1/722 ADDED.	1.12.69
CIRCULATION GENERAL		5/11.	17.10.67.
SIZE A4		TD2-3-1 SECTION	

**FIG.2 SHARED SERVICE LINES**

USING:—

Telephone 2/722

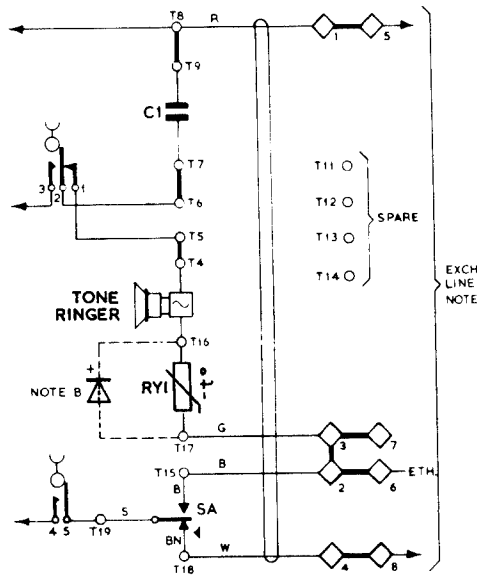
Switch No 13A-2 (SA)

Valve, Electronic CV8790 (Note E)

Thermistor IA-1

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 Connexions  
 A' wire to BT8 } 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 A CV7875 or 8805 may alternatively be used



**FIG.3 2-WIRE P.B.X. EXTENSIONS, WITH RECALL**

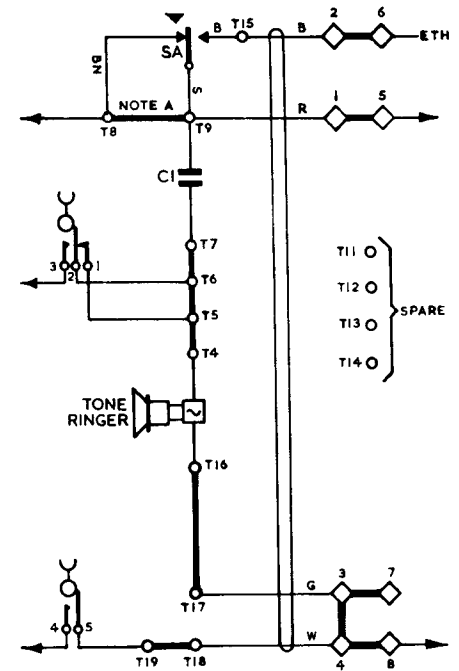
USING:—

Telephone 2/722

Switch No.13A-2 (SA)

NOTES:—

- A Retain Strap T8-T9 for earth loop recall.



**FIG.4 P.M.B.X. WITH ADDITIONAL SIGNALLING C-WIRE (P.M.B.X. 2/... and 3/...)**

USING:—

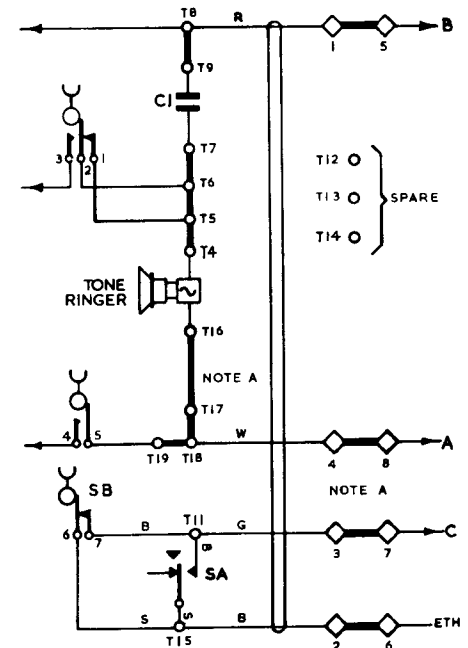
Telephone 2/722

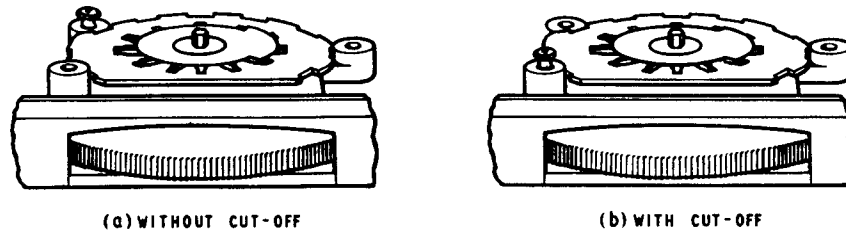
Switch No.13A-2 (SA)

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.3



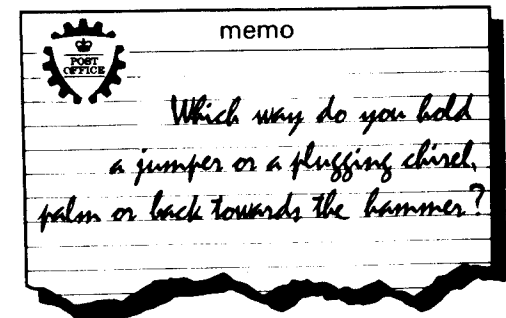


TONE RINGERS No.5A,5B & 8A

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



SPARE

FIG.6 CIRCUIT DIAGRAM SHOWING TELEPHONE 722 CONNEXIONS AS ISSUED.

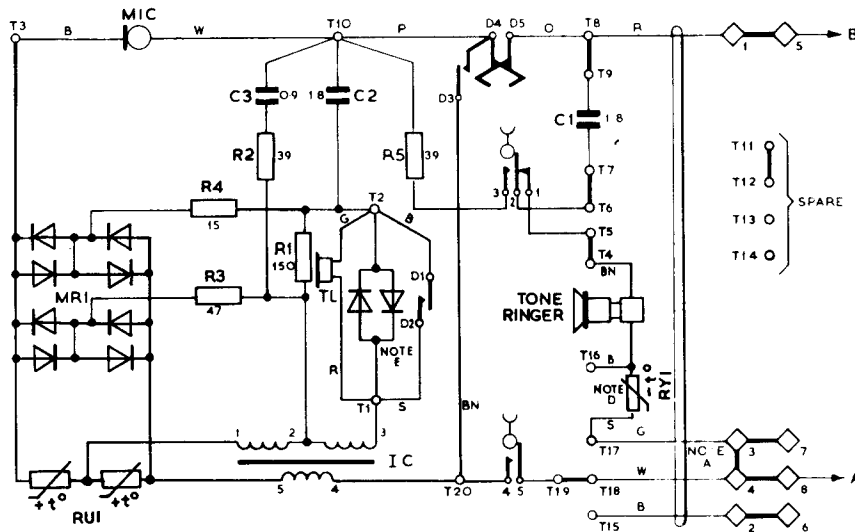
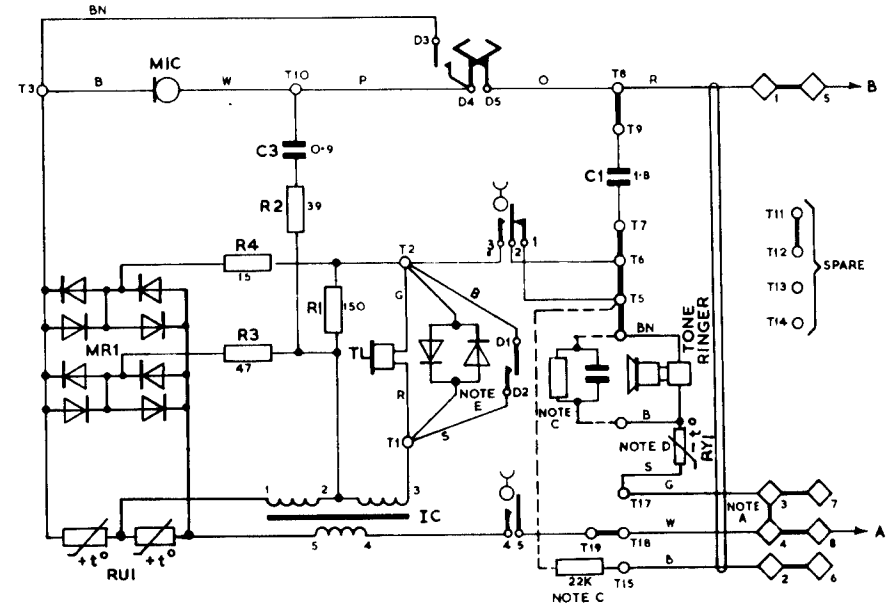


FIG.7 CIRCUIT DIAGRAM SHOWING TELEPHONE 1/722 CONNEXIONS AS ISSUED.



NOTES :-

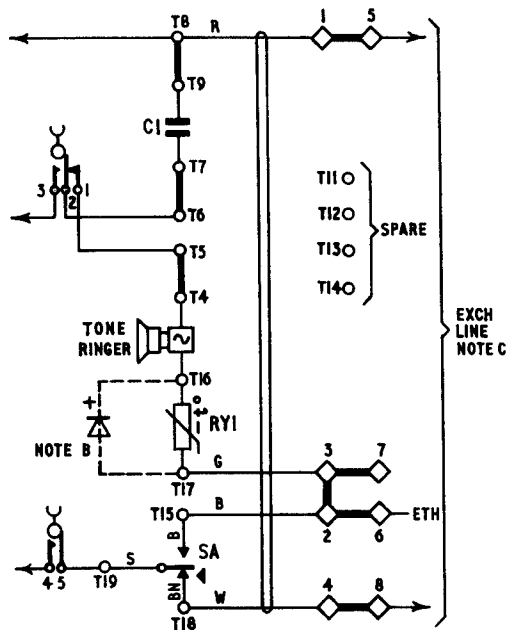
- A. When an extension bell is required, remove strap BT3-BT4 and connect bell to BT7-BT8.
- B. The leads of auxiliary units should be terminated as shown on appropriate diagram. Any spare lead should be secured to a spare terminal. Where this is not possible, the leads should be insulated from electrical contact with parts of the telephone and from each other.
- C. Telephones marked 722 MOD. or 1/722 MOD. have a Suppressor Unit CD 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 1A-1 fitted to terminals T16-T17, in which case the slate lead 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.

P.O. TELECOMMS HQRS			
PAPER :- Y	ISSUE	C REDRAWN AND REARRANGED. TELE. 2/722 MARK 2 ADDED. FIG.5 WAS DGM. N691 FIGS.1(b) AND 2(b). MADE YELLOW. L.R.D.	16.4.74
		B REDRAWN AND REARRANGED. TELE 2/722 ADDED P.C.L	24.2.71
		A TELEPHONE 1/722 ADDED F.E.J	1.12.69
DISTN :- GENERAL		EHS S1/1 TD 2.3.1 SECTION	17.10.67

**FIG.8 SHARED SERVICE LINES**

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

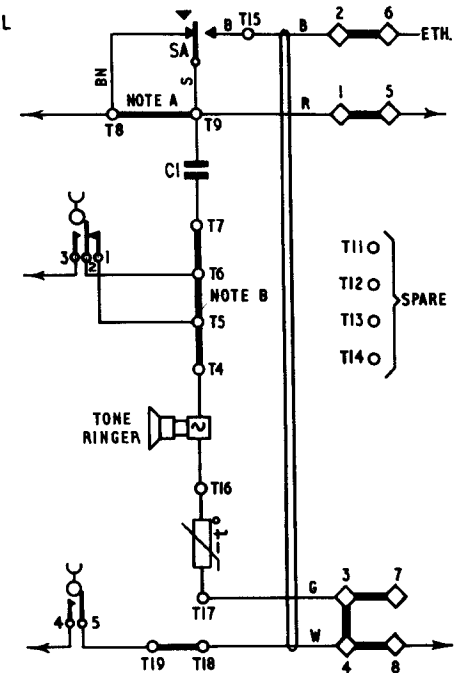
- NOTES:—
- A Remove Strap T18-T19, T5-T6.  
Shift Strap BT3-BT4 to BT2-BT3
  - B In UAX areas with vibrator ringing, provide and fit Valve, Electronic CV8790
  - C Exchange Line Connexions  
'A' Wire to BT8 } Station X  
'B' Wire to BT5 }  
  
'A' Wire to BT5 } Station Y  
'B' Wire to BT8 }
  - D When extension bell is required, remove Strap BT2-BT3 and connect bell to BT6-BT7
  - E 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-T9 for earth loop recall.
  - B Strap T5-T6 must not be fitted in Telephones 722
  - C Where fitted, recover 22K Resistor from T5-T15



**FIG.10 P.M.B.X. WITH ADDITIONAL SIGNALLING C-WIRE (P.M.B.X. 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

