TELEPHONES No.706F & No.706R
TABLE TELEPHONES, No.706F WITH PROVISION FOR ONE PRESS-BUTTON

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REFERENCES

Maintenance .............................................................................................................. T1 E5 B2706
Installation ............................................................................................................. T1 C3 B1001
Auxiliary units ....................................................................................................... Dgm N4700 & N808
Press-buttons ......................................................................................................... Dgm N809

Fig. 1 TELEPHONE No.706F
CIRCUIT DIAGRAM SHOWING CONNECTIONS AS ISSUED

NOTES:

A. The CB Telephone is no longer stocked. When a dial-less instrument is required a
Telephone No.706F should be requisitioned and the dial recovered. A Dial Auto Dummy
No.7 should be fitted and the pink and orange conductors joined. See Dgm. N808.

B. Telephone No.706R is supplied complete with a button engraved Recall and a Switch
No.5A-3. See Fig. 3 for connections as issued.

C. The regulator is made inoperative when reversed in the jack. In that condition Points
B, C and D are connected together.

D. When extension bell is required remove Strap B3-874 and connect bell. A Switch No.5A-3
with Button 3/8BU/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 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 Port 2/DST/836 for Terminals T20-T25
- 2 Ports 2/DST/836 for Terminals T20-T31
- 1 Strip Conn No.155A for Terminals T20-T37

F. Early issues have dial brown conductor connected to gravity switch Spring 4 instead
of T3. This lead should be cut short at both ends or removed and a Cord, Inst No.142E
Brown connected between D3 and T3.

G. See Dgms N808 and N4700 for parts that can be added to the Telephone No.706...
FIG. 2 AUTOMATIC SYSTEMS
SHARED SERVICE LINES

USING—
Telephone No.706...
Switch No.704-3 (SA)
Part 4/DBU/263 (Colour)
Thermistor No.1A1
Valve, Electronic CV870, 7875 or 8805
(Note B)

NOTES:—
A. Remove Straps T5-T6, T16-T17, T19-T19
Shift strap from BT3-4 to BT2-3
B. In UX areas with vibrato ringing,
provide and fit Valve, Electronic CV...
C. Exchange Line Connexions
'y' wire to BT8
'B' wire to BT12
'k' wire to BT5
'q' wire to BT8
D. When extension bell is required, remove
Strap BT2-BT3 and connect bell to
BT5-BT7

FIG. 3 2 WIRE PBX EXTENSIONS WITH RECALL
TELEPHONE No.706R CONNECIONS AS ISSUED

USING:—
Telephone No.706R
or
Telephone No.706F
Switch No.5A-3 (SA)
Part 4/DBU/263 (Colour)
Rectifier Element No.205

NOTES:—
A. On earlier issues the BN & S
leads were shown reversed

FIG. 4 PBX WITH ADDITIONAL SIGNALLING C WIRE (PBX 2/.. and 3/.. Note C)

USING:—
Telephone No.706R
Part 1/DSP/1252 (SB)
or
Telephone No.706F
Switch No.5A-3 (SA)
Part 4/DBU/263 (Colour)
Part 1/DSP/1252 (SB)

Notes A&B

Notes A

NOTES:—
A Remove Strap BT3-BT4
and add strap T17-T18
B. The Switch No.5A-3 in a
Telephone No.706R 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.706R as issued
FIG. 5  C.R.S. No. 2 & 3 SYSTEMS

Using:
Telephone No. 706F Note A
Adapter Local Battery No. 5
Box Battery No. 3
2 or 3 Cells Dry R40 (see T1 C3A0060)
Fig. 6 CB Systems, Shared Service Lines
Using -- Telephone No. 706F, NOTE A

Fig. 7 Generator Signalling Private Circuits
Using -- Telephone No. 706F, NOTE A
Adaptor Local Battery No. 5
Generator No. 26AN or No. 26AP, NOTE G
Box Battery No. 3
2 or 3 Cells Dry R40 (see TI C5A0060)

Notes:
A Convert Telephone No. 706F to 706CB as described in Fig. 1 Note A.
B Remove Strap T5-T6 & T16-T17. Remove Strap BT3-BT4, insert Strap BT2-BT3.
C If extension bell is required provide and fit in place of Strap BT2-BT3.
D Exchange Line Connexions
'A' wire to BT5 Station X
'B' wire to BT8
'X' wire to BT8 Station Y
'B' wire to BT5
Transpose X and Y for minor CB10 Exchanges

Notes:
A Convert Telephone No. 706F to 706CB as described in Fig. 1 Note A
B Insert Strap T17-T18
C Reverse regulator in jack
D Replace BT No. 52A by BT No. 35A
E Transfer white lead of handset cord from T10 to T11
F For private circuits where a similar telephone is fitted at the distant end, the line connexion should be such that the two batteries are connected in series aiding
G Generator No. 26AP may be used if the capacitor in it is short circuited.