## SERVICE <br> 544-TYPE TELEPHONE SET

## 1. GENERAL

1.01 This section provides maintenance and connection information for the 544A (MD) and 544B (MD) telephone sets.

## 2. MAINTENANCE

## Components

2.01 Maintenance of handsets, dials, and ringers is outlined in sections covering these components.

## Removing and Replacing Housing

2.02 To remove housing, loosen captive screws in base of set. Lift housing up and toward front of set.
2.03 To replace housing, guide lower front of housing over pushbuttons, align housing with base of set and gently press housing into place. Tighten captive screws in base of set.

## Mounting Cord

2.04 Replace mounting cord of early manufacture (Fig. 1) as follows:
(1) Remove dial from mounting bracket.
(2) Remove terminal screws.
(3) Disconnect spade-tipped conductors and wafer section.
(4) Disengage cord stay hook from right leg of dial mounting bracket.
2.05 Mounting cords of later manufacture feature a slotted wafer strip (Fig. 2) to facilitate replacement.


Fig. 1-Nonslofted Wafer Strip End of Mounting Cord, Early Type


Fig. 2—Slotted Wafer Strip End of Mounting Cord, Later Type

## Pushbuttons

2.06 Replace cracked pushbuttons or collars. Remove accumulated dirt or film, from collars and pushbuttons with a water dampened cloth.

Do not use solvents of any kind. If cleaning does not correct binding of pushbuttons, replace button and collar assembly. It should be carefully aligned to avoid interference with removal or replacement of housing.


NOTES:
I. IF CAPACITOR IS NOT REQUIRED, MOVE (S) RINGER LEAD TO A
2. FOR MANUAL SERVILE MOVE (G) LEAD FROM $F$ TO RR. REPLACE DIAL WITH 95B apparatus blk.

LEGEND:
$\dagger$ NETWORK TERMINALS-UNDESIGNATED TERMINALS ARE ON KEY TERMINAL BOARD.

* LEAD involved in modification

DP DIAL PULSE CONTACT
H holo key
LS Line switch
PU PICKUP KEY
ON OFF NORMAL CONTROL

Fig. 3-544A (MD) Telephone Set, Connections


Fig. 4-544B (MD) Telephone Set, Connections
table A
TERMINATIONS AT CONNECTING BLOCK FOR 544A (MD) AND 544B (MD) TELEPHONE SETS

| CKT | $\begin{aligned} & \text { LEAD } \\ & \text { DESIG } \end{aligned}$ |  | $\begin{gathered} \text { KEY } \\ \text { CABLE } \end{gathered}$ | CONN BLOCK |  | mtg Cord leads |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1A | 1A1 | D TYPE | TERM. | NO. | 544A(MD) | 544B(MD) |
| $\begin{gathered} \text { Line } \\ 1 \end{gathered}$ | $\begin{aligned} & \hline \mathbf{R} \\ & \mathbf{T} \end{aligned}$ | $\begin{aligned} & \mathbf{R} \\ & \mathbf{T} \end{aligned}$ | $\begin{aligned} & \text { BL } \\ & \mathrm{W} \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ |  | $\begin{aligned} & \mathrm{R} \\ & \mathrm{G} \end{aligned}$ | $\mathrm{R}$ |
|  | - | $\begin{gathered} \mathrm{A} 1 \\ \mathrm{~A} \end{gathered}$ | $\begin{gathered} \mathrm{O} \\ \mathrm{~W} \end{gathered}$ | $\begin{aligned} & 4 \\ & 5 \end{aligned}$ |  | $\begin{gathered} \mathbf{Y} \\ \mathrm{BK} \end{gathered}$ | $\begin{gathered} \mathbf{Y} \\ \mathbf{B K} \end{gathered}$ |
| $\begin{gathered} \text { Line } \\ 2 \end{gathered}$ | $\begin{aligned} & \mathrm{R} \\ & \mathrm{~T} \end{aligned}$ | $\begin{aligned} & \mathrm{R} \\ & \mathrm{~T} \end{aligned}$ | $\begin{aligned} & \mathrm{G} \\ & \mathrm{~W} \end{aligned}$ | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ |  | $\begin{aligned} & \mathrm{BL} \\ & \mathrm{~W} \end{aligned}$ | $\begin{aligned} & \mathrm{BL} \\ & \mathrm{~W} \end{aligned}$ |
|  |  | A | $\begin{gathered} \text { BR } \\ \mathrm{W} \end{gathered}$ | $\begin{array}{r} 9 \\ 10 \end{array}$ |  | $\begin{aligned} & \text { BR-R* } \\ & \text { BR-G } \end{aligned}$ | BR-R <br> BR-G |
| $\begin{gathered} \text { Line } \\ 3 \end{gathered}$ | $\begin{aligned} & \mathrm{R} \\ & \mathrm{~T} \end{aligned}$ | $\begin{aligned} & \mathbf{R} \\ & \mathbf{T} \end{aligned}$ | $\begin{gathered} \mathrm{S} \\ \mathrm{~W} \end{gathered}$ | $\begin{aligned} & 3 \\ & 8 \end{aligned}$ |  | $\begin{aligned} & \text { BR-Y } \\ & \text { BR-BK } \end{aligned}$ | $\begin{aligned} & \text { BR-Y } \\ & \text { BR-BK } \end{aligned}$ |
|  | - | A | BL | 1 | 2 | $\begin{aligned} & \text { BR-BL* } \\ & \text { BR-W } \end{aligned}$ | BR-BL BR-W |
| Line 4 and Sig | R $\mathbf{T}$ | R T | O | 4 5 |  | $\begin{aligned} & \text { R-G } \\ & \text { R-Y } \end{aligned}$ |  |
|  | S | A-S | G | 6 7 |  | $\begin{aligned} & \text { R-BK* } \\ & \text { R-BL } \end{aligned}$ |  |
| Sig Grd | G | G | $\begin{aligned} & \text { BL } \\ & \text { BK } \end{aligned}$ | 1 | 3 | G-W | G-W |
| Ringer or Buz | $\begin{aligned} & \mathrm{R} \\ & \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \mathrm{R} \\ & \mathrm{~B} \end{aligned}$ | $\begin{gathered} \mathrm{O} \\ \mathrm{BK} \end{gathered}$ | 4 5 |  | $\begin{aligned} & \text { Y-BL } \\ & \text { Y-W } \end{aligned}$ | $\begin{aligned} & \text { Y-BL } \\ & \text { Y-W } \end{aligned}$ |
| $\begin{gathered} \text { Lamp } \\ 1 \end{gathered}$ | $\begin{gathered} \mathrm{L} \\ \mathrm{LG} \end{gathered}$ | $\begin{gathered} \mathbf{L} \\ \mathbf{L G} \end{gathered}$ | $\underset{\mathbf{Y}}{\mathrm{BL}}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | 4 | $\begin{gathered} \hline \text { S-Y } \\ \text { S-BK } \end{gathered}$ | $\begin{gathered} \text { S-Y } \\ \text { S-BK } \end{gathered}$ |
| $\begin{aligned} & \text { Lamp } \\ & 2 \end{aligned}$ | $\begin{gathered} \mathrm{L} \\ \mathrm{LG} \end{gathered}$ | $\begin{gathered} \mathrm{L} \\ \mathrm{LG} \end{gathered}$ | $\begin{aligned} & \hline \mathrm{O} \\ & \mathrm{Y} \end{aligned}$ | $\begin{aligned} & 4 \\ & 50 \end{aligned}$ |  | S-BL | S-BL |
| $\begin{gathered} \text { Lamp } \\ 3 \end{gathered}$ | $\begin{gathered} \mathrm{L} \\ \mathrm{LG} \end{gathered}$ | $\begin{gathered} \hline \mathrm{L} \\ \mathrm{LG} \end{gathered}$ | $\overline{\mathrm{G}}$ | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ |  | S-W | S-W |
| $\begin{gathered} \text { Lamp } \\ 4 \end{gathered}$ | $\begin{gathered} \mathrm{L} \\ \mathrm{LG} \end{gathered}$ | $\begin{gathered} \mathrm{L} \\ \mathrm{LG} \end{gathered}$ | $\underset{\mathrm{yR}}{\mathrm{BR}}$ | $\stackrel{9}{10} \oslash$ |  | S-BR |  |
|  |  |  | $\begin{aligned} & \mathrm{S} \\ & \mathrm{Y} \end{aligned}$ | $\begin{aligned} & 8 \\ & 3 \end{aligned} 0$ |  |  |  |

* Not used in set.

TABLE B
PICKUP-SIGNAL KEY CONVERSION

| KEY <br> TEL <br> SET | CONVERTIBLE <br> KEY <br> OPTIONS | KEY LEADS |  |
| :---: | :---: | :---: | :---: |
|  | PPPP | S-BR | BR |
| $544 \mathrm{~A}(\mathrm{MD})$ | PPPS | SG |  |
|  | HPPP |  | M |
|  | HPPS |  | SG |

