

POLARITY GUARDS IDENTIFICATION

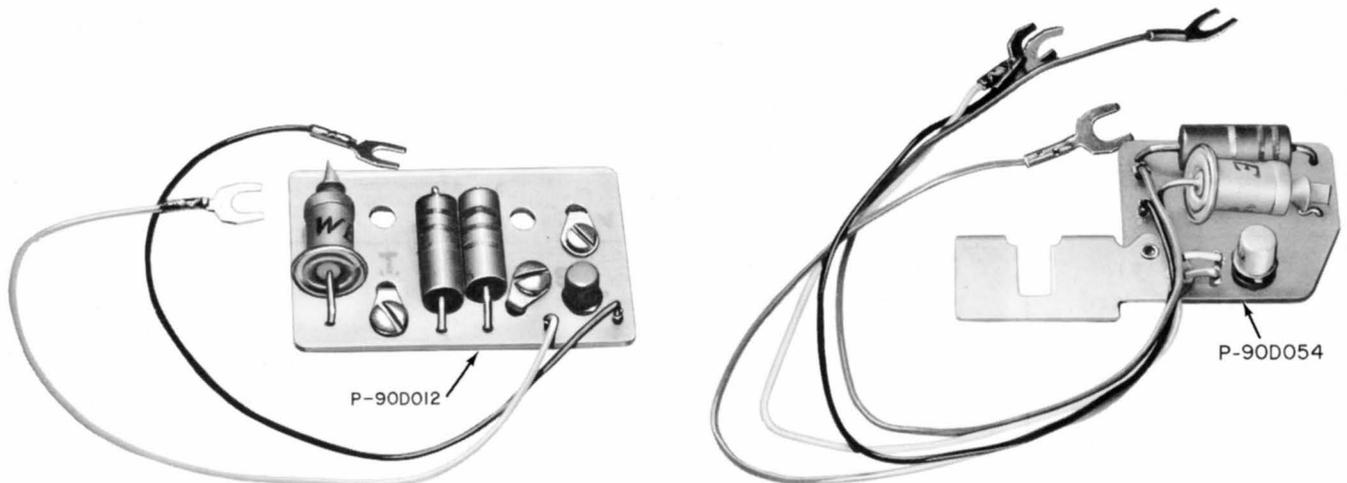


Fig. 1 — Guard Assemblies

1. PURPOSE

1.01 Used in conjunction with TOUCH-TONE® dials to maintain correct polarity for end-to-end signaling.

2. DESIGN FEATURES

- Available in two physical arrangements shown in Fig. 1.
- Composed of a series of diodes, resistors, and a surge protector mounted on a printed circuit board and connected in the telephone set by screw terminals and/or spade tipped leads.
- Circuit diagrams shown in Fig. 2.

3. APPLICATION

3.01 Polarity guards can be added, when required to most existing TOUCH-TONE sets manufactured after late 1966.

3.02 Speakerphone and sets having G6 or G8 handsets will require new 25-type dials when a polarity guard is added.

3.03 Refer to appropriate connection section before installing, to prevent damage to the surge protectors.

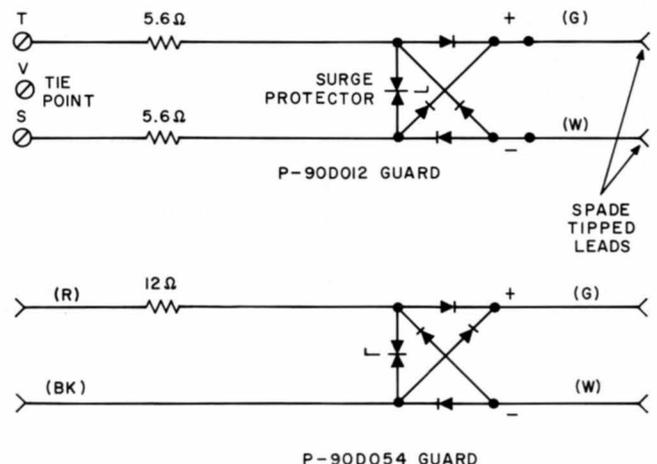


Fig. 2 — Polarity Guards With Surge Protector for TOUCH-TONE Dials

4. ORDERING GUIDE

4.01 Refer to Table A.

TABLE A
POLARITY GUARDS FOR STATION SETS

ORDER BY	CONSISTING OF	USE ON
(Quantity) P-90D052 Guard Assy	P-90D012 Guard Assy P-43A392 Screw P-481904 Washer P-20F900 Bracket	1500 and 2500 Series Telephone Sets
(Quantity) P-90D053 Guard Assy	P-90D012 Guard Assy P-180906 F.H.M. Screws (2) P-218828 Hex. Nuts	1554, 1555, 1558, 2551, 2554, 2555, 2558 Wall Sets
(Quantity) P-90D012 Guard Assy	P-90D012 Guard Assy	1660 and 2660A Series Telephone Sets
(Quantity) D-180229 Kit of Parts	P-90D054 Guard Assy P-26E164 Retainer P-43A392 Screw P-21F675 Terminal Board Assy	1700 and 2700 Series Telephone Sets
(Quantity) P-90D060 Guard Assy	P-90D012 Guard Assy P-90D060 Metal Bracket	1750, 1751 and 1753 2750, 2751 and 2753 Series Telephone Sets
(Quantity) P-90D061 Guard Assy	P-90D012 Guard Assy P-90D061 Metal Bracket	1752, 2752 and 2754 Series Telephone Sets
(Quantity) D-180250 Kit of Parts	P-90D012 Guard Assy P-22F193 Guard Mtg. Strip P-43A392 Screw	1660A Series Telephone Sets
(Quantity) P-90D197 Guard Assy	P-90D012 Guard Assy P-21F558 Guard Mtg. Strip P-43A392 Screw	1630, 2630 Series Telephone Sets