

LAMP INDICATORS

IDENTIFICATION AND INSTALLATION

1. GENERAL

1.01 This section is reissued to:

- Add 1-type indicator lens and 1A and 2A indicator bases
- Add D-180380 Kit of Parts
- Show 21B indicator MD.

2. IDENTIFICATION

PURPOSE

- To give line and station busy indications.

ORDERING GUIDE

- Base, Indicator (Table A)
- Indicator, Lamp (Table A)
- Lens, Indicator (Table A)
- Kit, D-180380 (Table A)◆

APPLICATION

Used with key stations, PBX systems, and similar station systems.

3. INSTALLATION

- 3.01 Avoid locating indicators in direct sunlight or areas of high illumination.
- 3.02 To install indicator in a fixed position, use 3/4-inch, No. 6 or 8 RH wood or metal screws.
- 3.03 For mounting on plastic, metal, or masonry surfaces, use proper size backboard and install in accordance with accepted procedures.
- 3.04 For concealed wiring installations, bring wires through mounting surface and hole cut in composition base of indicator.

3.05 The 1A base separates into two parts which normally fit together with interlocking lip and grooves. This separation allows the insertion of one or more supplementary lamp units (2A base to create multiple lamp indicators (Fig. 3).

3.06 To install unattached mounting:

- (1) Equip with mounting cord and attach nonskid pad to indicator base.
- (2) Fasten cord on connecting block to rear of desk or table, mounted in knee well, or behind center drawer.
- (3) Fold or fasten excess cordage securely to avoid creating a safety hazard.

3.07 When attaching mounting cords to indicators, take care to dress conductor leads properly in the available space. This avoids electrical short circuits, interference with positioning of housing, and blanking out the lamp signal.

3.08 Position lamps properly in their sockets.

3.09 Snap indicator housings to bases making certain they are firmly positioned.

3.10 The 358A tube in the 21-type indicator will flash as follows:

- (a) The 358A tube should flash near the top on superimposed ringing. If it does not, reverse the tip and ring conductors of the mounting cord (or inside wire) at the most accessible point.
- (b) In cases where pure ac ringing current is used, the 358A tube will flash both top and bottom.

3.11 ◆ A combination of 1A indicator base and D-180380 kit of parts can be used in lieu of the 21C-49 "beehive" lens indicator. Install the kit on base per Fig. 5 and 6.◆

♦ TABLE A ♦
ORDERING GUIDE

| NAME | CODE OR NUMBER | COLOR | NO. OF LAMP POSITIONS | COLOR OF LENS FURNISHED | MOUNTING CORD† | FIG. NO. | DESIGN FEATURES |
|-------------------|----------------|------------------------|-----------------------|--------------------------------|--------------------------------|----------|---|
| Indicator Base* | 1A | Light olive gray (-49) | 1 | | Inside Wire | 1 and 3 | Basic indicator unit with a 1-type lens, must be rigidly mounted, may be used with one or more 2A indicator bases to form a multiple indicator. |
| | 2A | | 1 | | | 2 and 3 | |
| Indicator Lens | 1A | White | | | | 4 | One lens required for each indicator base (must be ordered separately). |
| | 1B | Blue | | | | | |
| | 1C | Green | | | | | |
| | 1D | Amber | | | | | |
| | 1E | Red | | | | | |
| | 1F | Clear | | | | | |
| Kit | D-180380 | — | 1 | Clear | | 5 and 6 | An adapter which enables the 1A or 1B indicator base to use a GE-K1D neon glow lamp in place of the 51A incandescent lamp. Includes one 1F lens. |
| Lamp Indicators ‡ | 14B | Light olive gray (-49) | 3 | White Green Red | D4BD-49 | 7 | Nonflush type, may be mounted in horizontal or vertical fixed position, may be terminated on a mounting cord and mounted without fastening on a horizontal surface; a nonskid pad is furnished for use when the indicator is not mounted in a fixed position. Flush type mounting, may be mounted in standard outlet box or can be flush mounted in the same manner used for station jacks. Nonflush type, may be mounted in horizontal or vertical fixed position, may be terminated on a mounting cord and mounted without fastening on a horizontal surface, a nonskid pad is furnished for use when the indicator is not mounted in a fixed position. |
| | 15D | | | 1 | White Red Green Amber | | |
| | 15E | | | | | | |
| | 15F | | | | | | |
| | 15G | | | | | | |
| | 16A | | 3 | White Green Red | NONE | 9 | |
| | 17C | | 2 | Green Red | D3BP-49 | 10 | |
| | 17D | | | White Red | D4BD-49 | | |
| | 17E | | | Red Red | | | |
| | 17F | | | White Amber | | | |
| | 18B | | 3 | White Green Red | D4BD-49 | 11 | |
| | 18C | | | Green Amber Red | | | |
| | 20B | | 4 | Red White Green Amber | D6W-49 | 12 | |
| | 21B (MD) | | 1 | | Clear | D3BP-49 | |
| 21C | | | | | | | |

* Use 51A lamps with 10-volt power supply and 52A lamps with 24-volt power supply. Lamps must be ordered separately.

† Associated mounting cord, when required, must be ordered separately.

‡ Use a switchboard lamp or key equipment lamp. Lamp must be ordered separately.

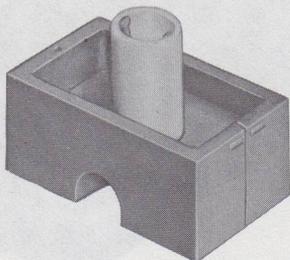


Fig. 1—1A Indicator Base

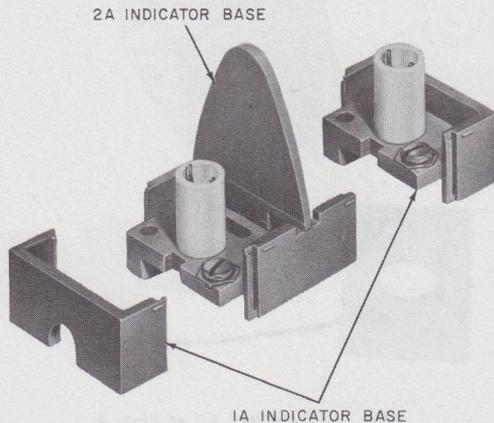


Fig. 3—1A and 2A Indicator Bases Used to Form a 2-Lamp Indicator

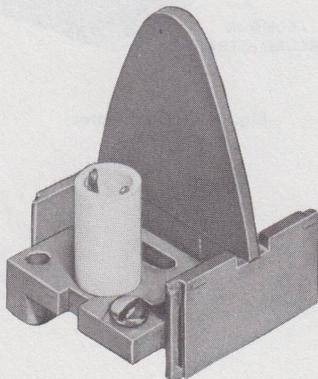


Fig. 2—2A Indicator Base

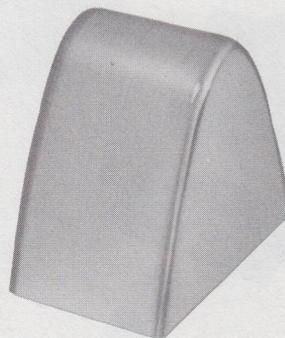
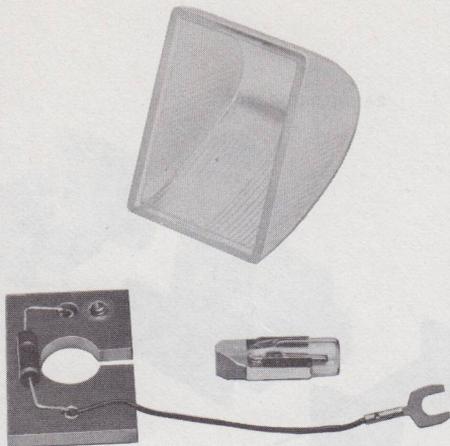
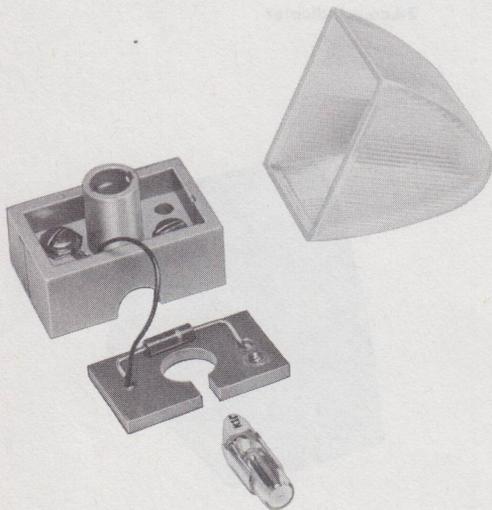
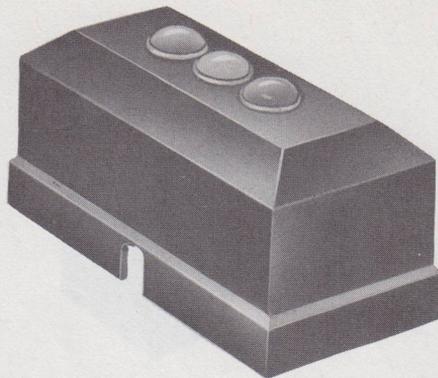


Fig. 4—1A-Type Indicator Lens



◆ Fig. 5—D-180380 Kit of Parts ◆



◆ Fig. 6—D-180380 Kit of Parts and 1A Indicator Base
(Can Be Used in Place of 21C-49 Indicator) ◆

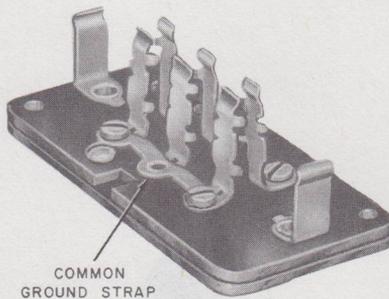


Fig. 7—14B Indicator

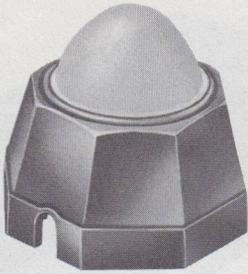


Fig. 8—15-Type Indicator

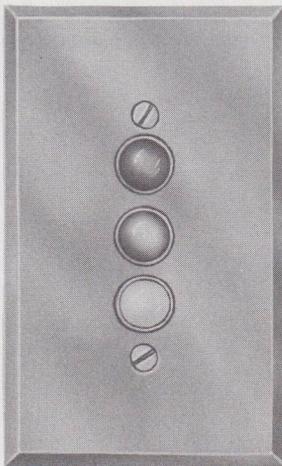
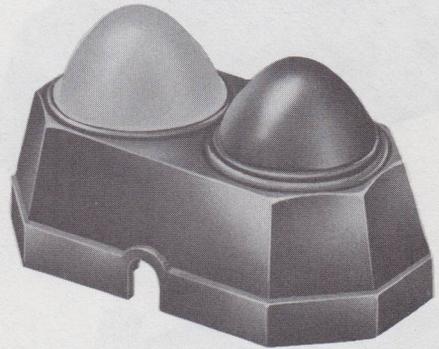
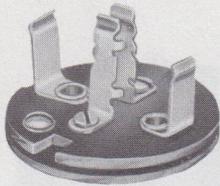


Fig. 9—16A Indicator

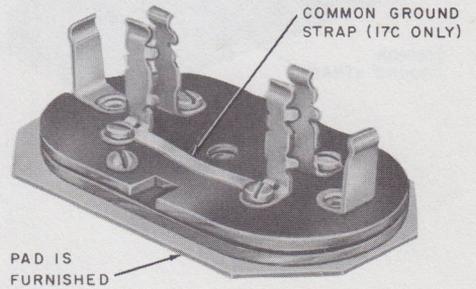


Fig. 10—17-Type Indicator

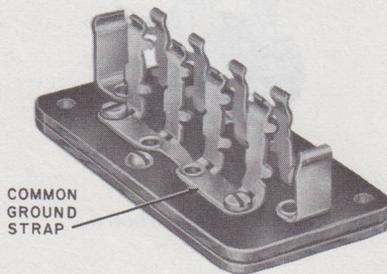
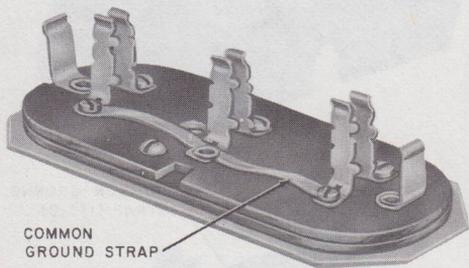
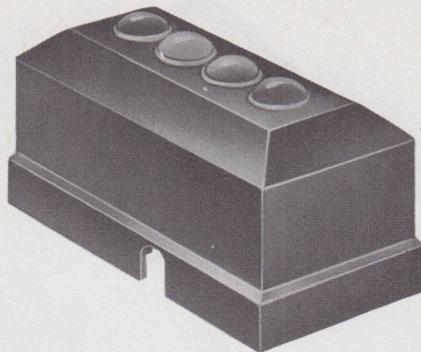
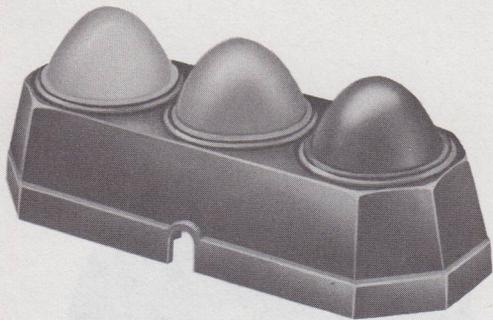


Fig. 11—18-Type Indicator

Fig. 12—20B Indicator

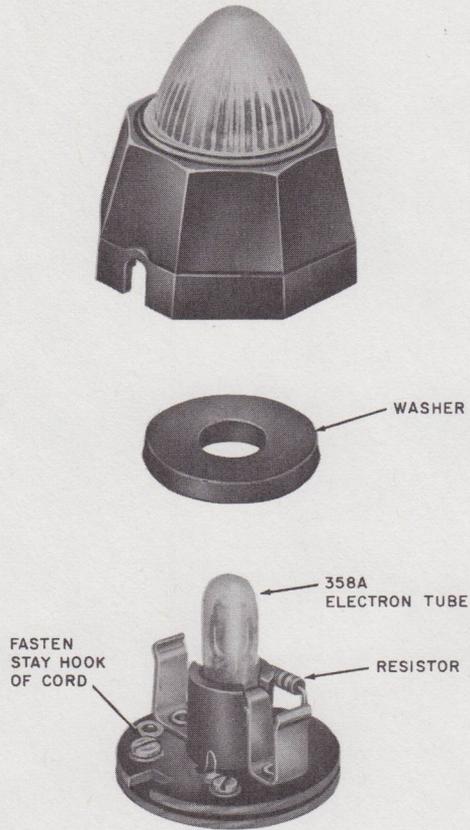
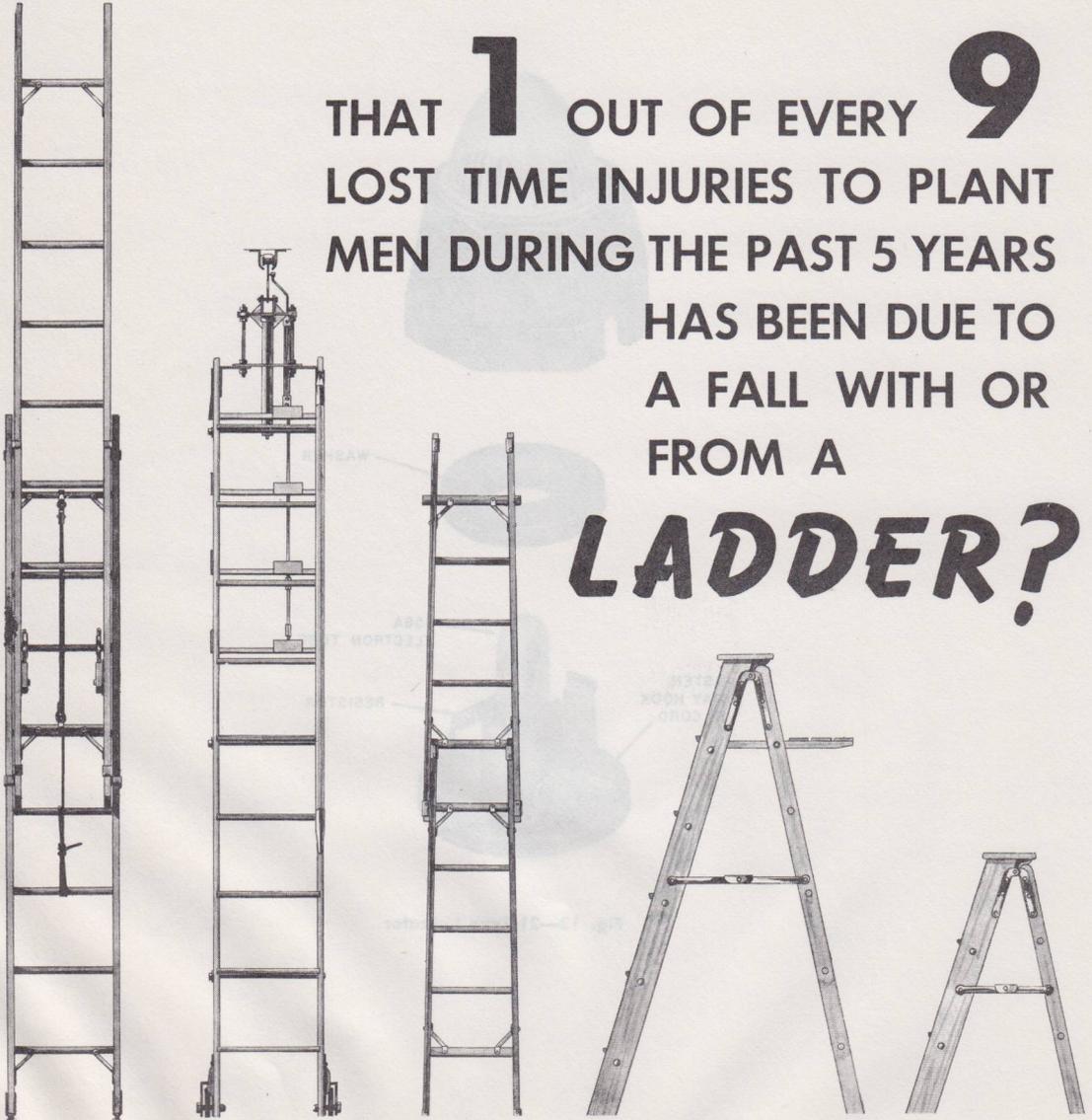


Fig. 13—21-Type Indicator

Do You Know—

THAT **1** OUT OF EVERY **9**
LOST TIME INJURIES TO PLANT
MEN DURING THE PAST 5 YEARS
HAS BEEN DUE TO
A FALL WITH OR
FROM A

LADDER?



1. MAKE SURE LADDER IS SECURE
2. MAKE YOURSELF SECURE TO THE LADDER