

TELEPHONE SET KS-14548—EXPLOSIVE ATMOSPHERES INSTALLATION, MAINTENANCE, AND CONNECTIONS

1. GENERAL

1.01 This section is reissued to:

- Add G11B4-03 handset
- Show the F6BR handset MD
- Add connection information



Before performing any work on the KS-14548 telephone set, the craftsman must be familiar with the section entitled Telephone Sets, Explosive Atmospheres, General Requirements. (Refer to Section 502-415-100).

WARNING: Telephone apparatus or wiring shall not be installed in a location where acetylene may become present in the atmosphere.

1.02 The KS-14548 telephone set (Fig. 1) is primarily used on 4-wire private line systems.

1.03 Information on auxiliary signal bells is covered in the section entitled Auxiliary Signals, Identification.

2. INSTALLATION AND MAINTENANCE

2.01 A 94A and 94B protector mounting is located at the conduit opening in each circuit.

2.02 Fig. 2 shows a typical conduit arrangement involving the KS-14548 telephone set, the foot switch, the dialing unit, the pushbutton, the signal bell, and the relay set. All conduits, unions, fittings, etc, are Crouse Hinds explosion-proof type. The conduit installation must be in accordance with the National Electrical Code and any local regulations that may apply.

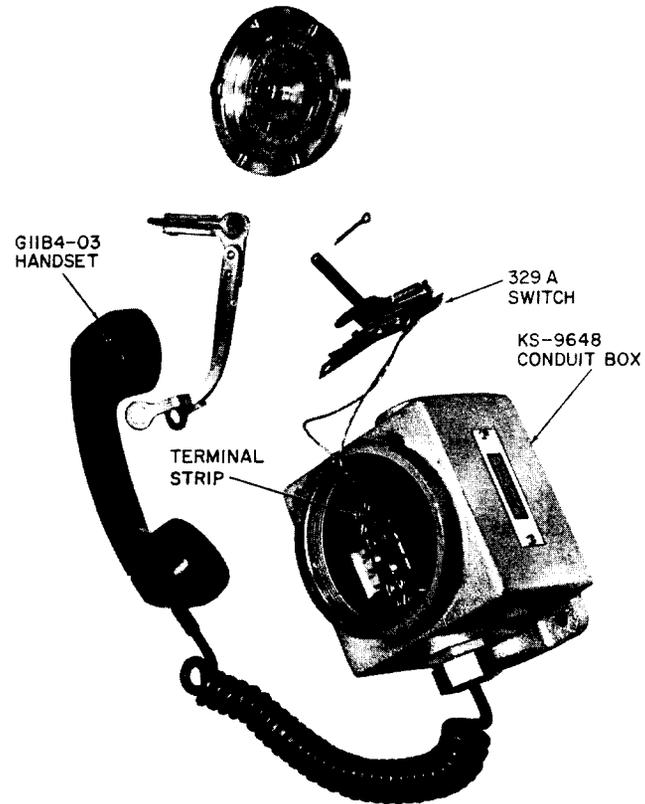


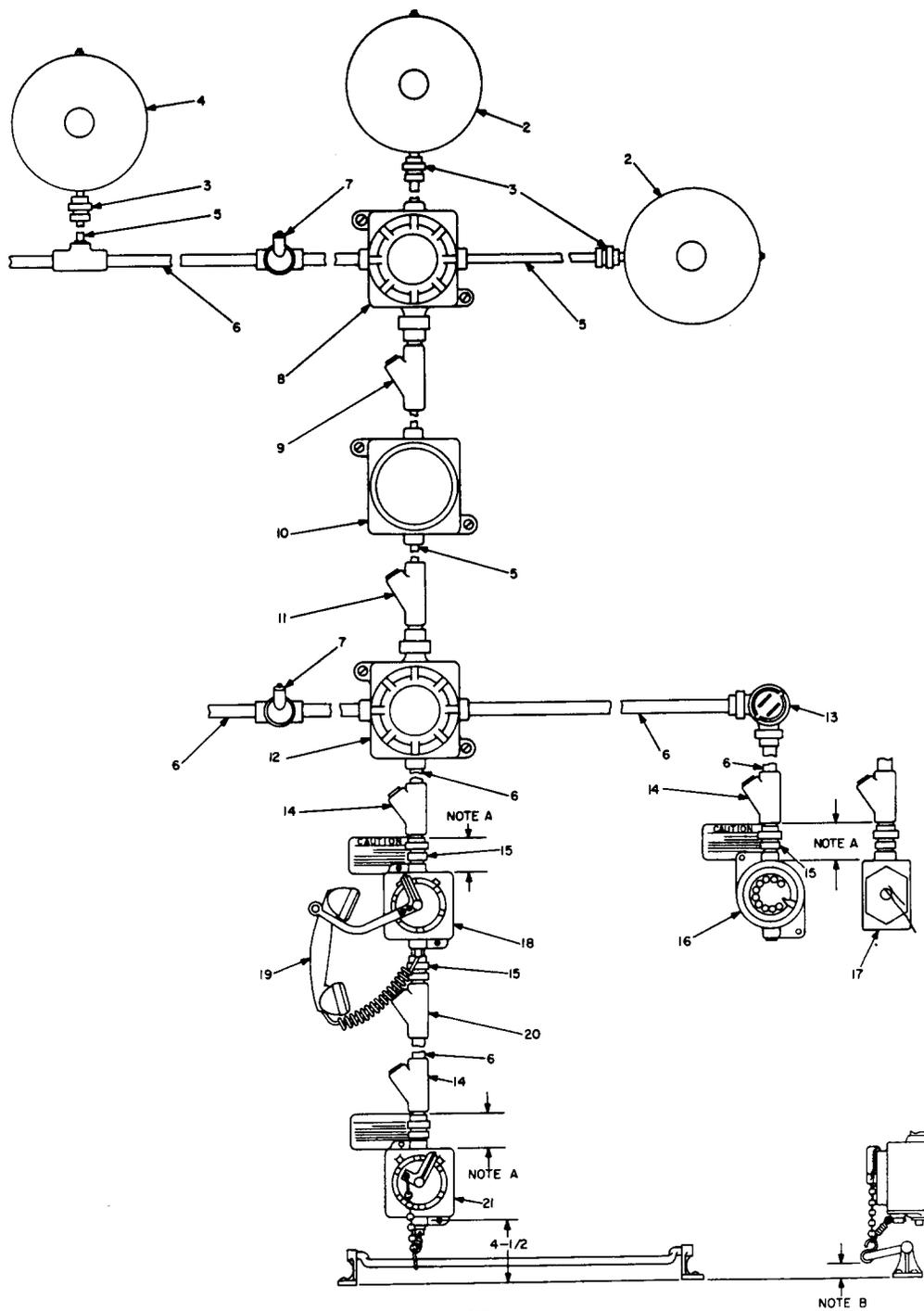
Fig. 1—KS-14548 Telephone Set

2.03 The KS-16014 dialing unit (Fig. 3) should be used to replace an ETD-22 dialing unit when trouble is experienced. The KS-16014 dialing unit contains a 6A dial that may be replaced in case of trouble.

2.04 A setscrew is located on the front of the dialing unit. It must be loosened with a 3/32-inch Allen wrench before the unit may be opened.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement



TYPICAL CONDUIT ARRANGEMENT

- | | | | |
|--------------------|-----------------------|------------------------|-----------------------|
| 2 - SIGNAL BELL | 7 - SEALING CONDULET | 12 - JUNCTION CONDULET | 17 - PUSH BUTTON |
| 3 - UNION CONDULET | 8 - JUNCTION CONDULET | 13 - JUNCTION CONDULET | 18 - TELEPHONE SET |
| 4 - SIGNAL BELL | 9 - SEALING CONDULET | 14 - SEALING CONDULET | 19 - HANDSET |
| 5 - CONDUIT 1/2 | 10 - RELAY | 15 - UNION CONDULET | 20 - SEALING CONDULET |
| 6 - CONDUIT 3/4 | 11 - SEALING CONDULET | 16 - DIALING UNIT | 21 - FOOT SWITCH |

NOTES:
 A. THIS DIST NOT OVER 18"
 B. APPROX 1/4" CLEARANCE

Fig. 2—Typical Arrangement Involving the KS-14548 Telephone Set and Conduit

3. CONNECTIONS

3.01 Refer Fig. 8 for connection information.

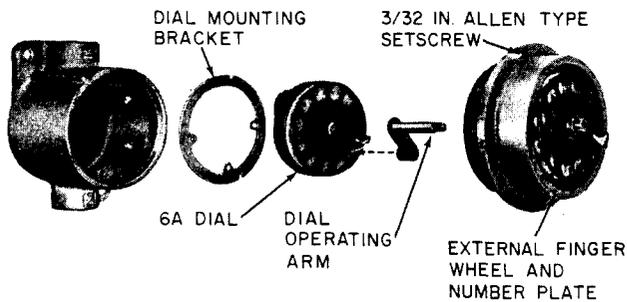


Fig. 3—KS-16014 Dialing Unit



Before opening apparatus for any reason, be sure line wires are disconnected at the protector.

2.05 The foot switch operating rod should be about 1/4-inch from the floor when in the operated position (Fig. 5).

2.06 The G11B4-03 handset is used on current production sets. Early production sets are equipped with the F6BR-03 handset. If the handset or cord are faulty, the entire handset and cord assembly must be replaced. When replacing the F6BR-03 handset with the G11B4-03 it is necessary to spread the hook assembly (Fig. 1) to accommodate the handset. The handset cord shall be secured tightly against the housing with a minimum of five threads engaged.

2.07 The **caution** plate, furnished with each piece of equipment, should always be attached (Fig. 2).

2.08 The KS-14548 set and component shown in Fig. 3, 4, 6, and 7.

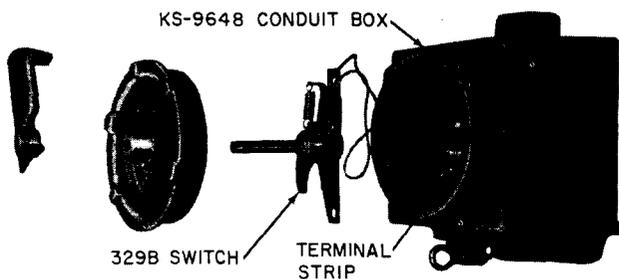


Fig. 4—KS-14547 Foot Switch, Interval View

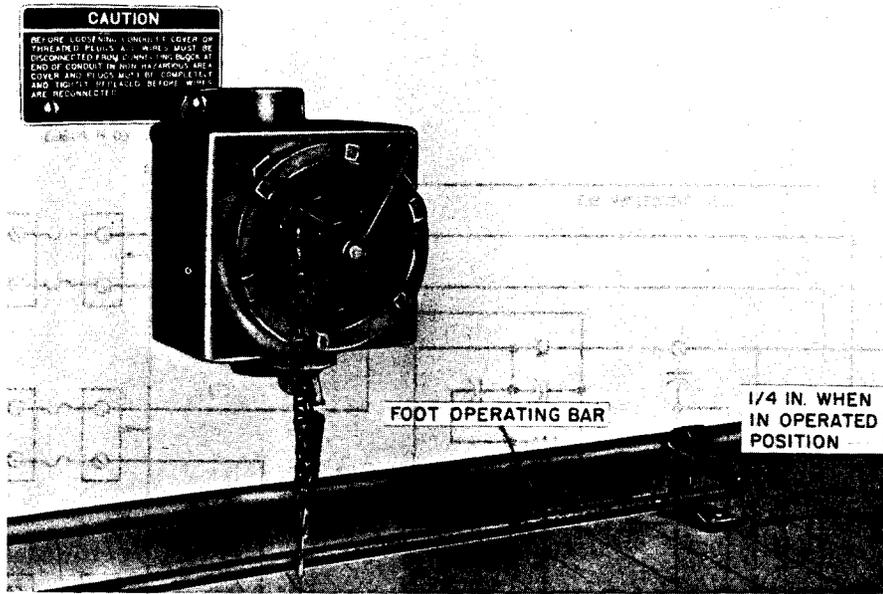


Fig. 5—KS-14547 Foot Switch, External View

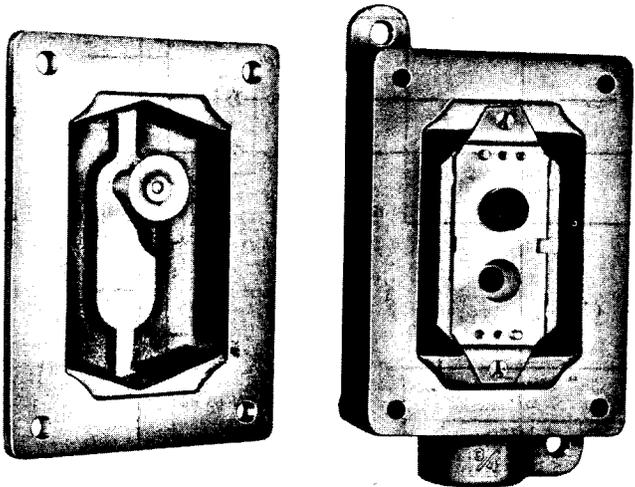


Fig. 6—KS-16020 Pushbutton Condulet, Internal View

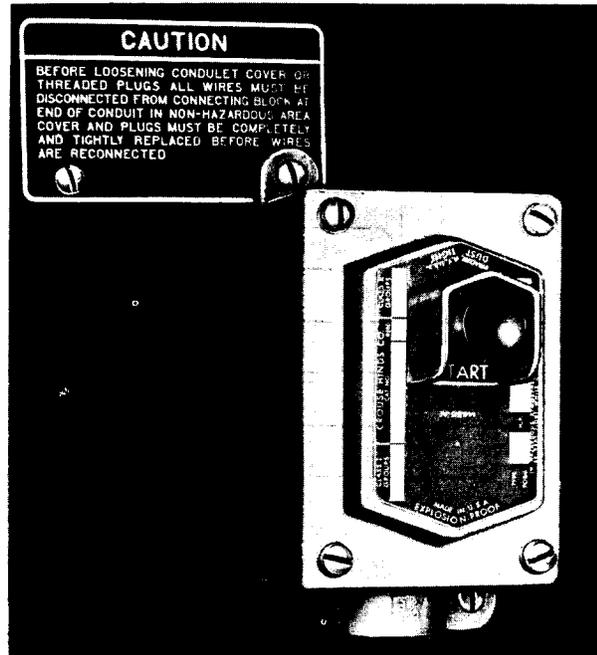
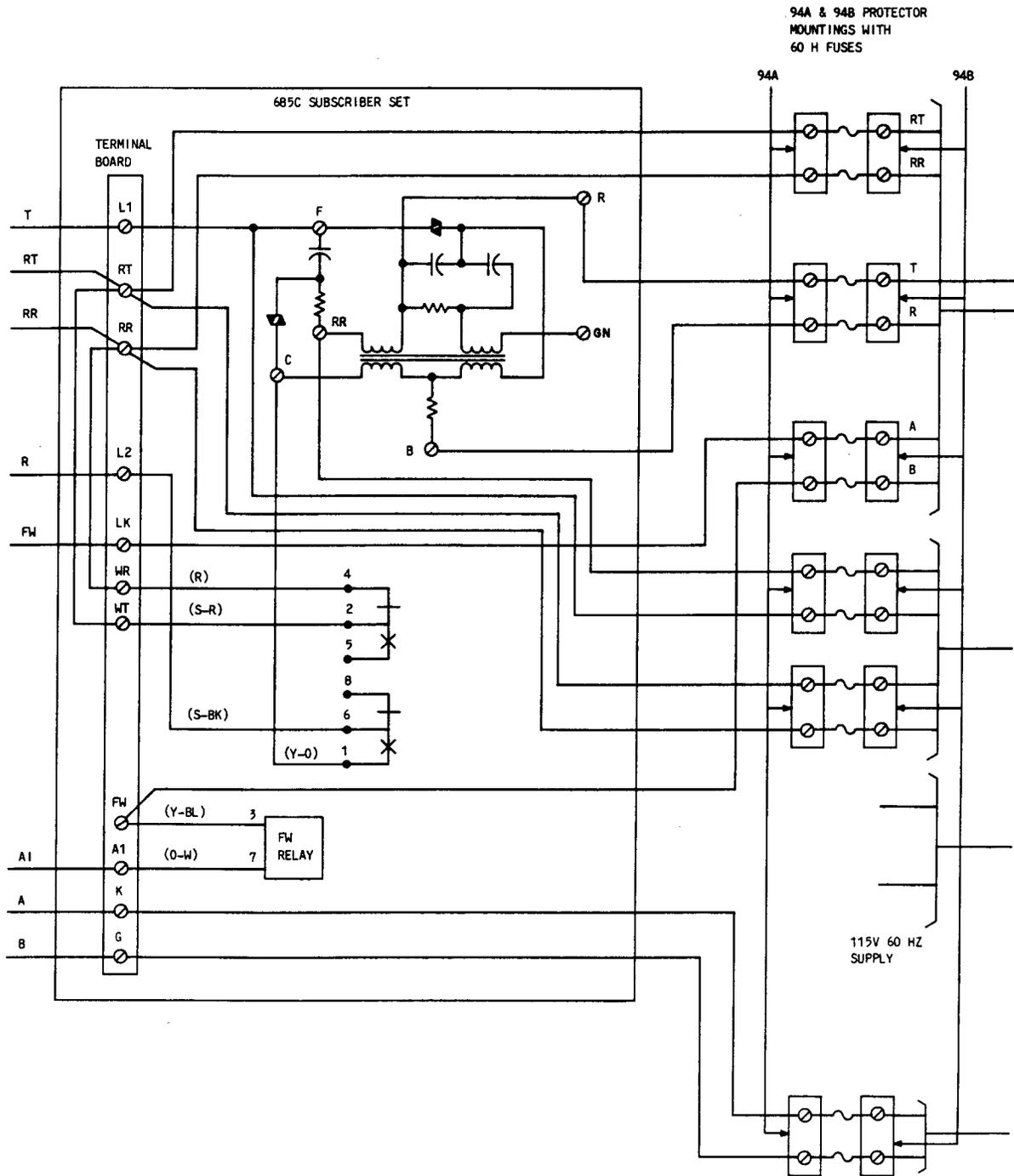


Fig. 7—KS-16020 Pushbutton Condulet, External View



NON-EXPLOSIVE ATMOSPHERE

Fig. 8—KS-14548 Telephone Set, Connections (Sheet 1 of 2)

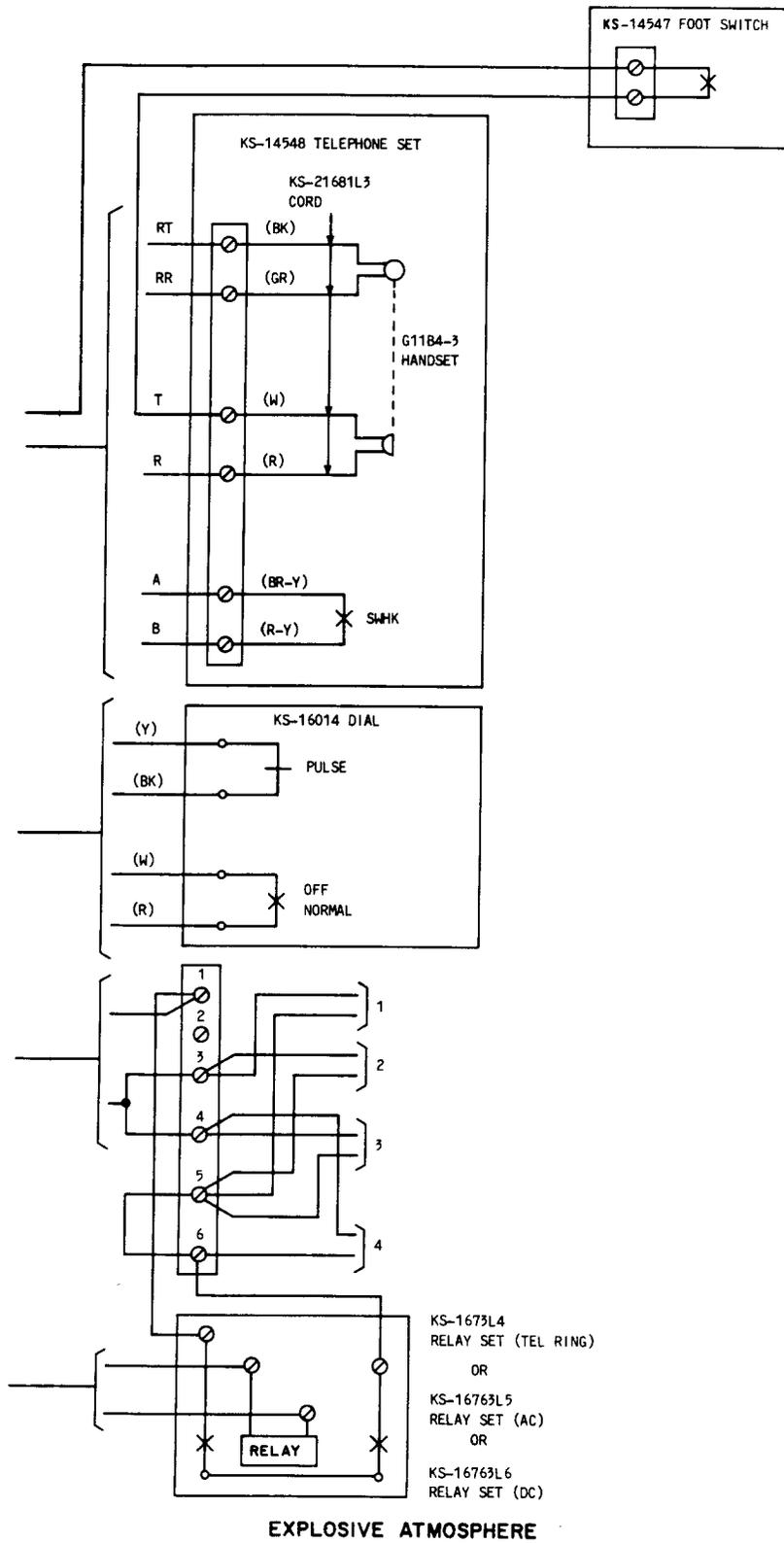


Fig. 8—KS-14548 Telephone Set, Connections (Sheet 2 of 2)