

CABLE PRESSURE SYSTEMS

SUPERSEDED KS-16648 DUAL PRESSURE KIT

DESCRIPTION AND ADJUSTMENTS

1. GENERAL

1.01 This section covers the description and adjusting procedures for the superseded KS-16648 dual pressure kit. This kit is used in conjunction with an air dryer to provide two separate air pressure sources.

1.02 This section is reissued to update the text and illustrations and to delete the instructions for installation of this unit. This section is retained for maintenance purposes only.

1.03 The C and D meter-panels are a direct replacement for the dual pressure kit (KS-16648). The C and D panels are covered in Section 637-225-201.

2. DESCRIPTION

2.01 The KS-16648 dual pressure kit (Fig. 1) consists of a pressure regulator, pressure gauge, and pressure alarm switch all contained in a metal housing.

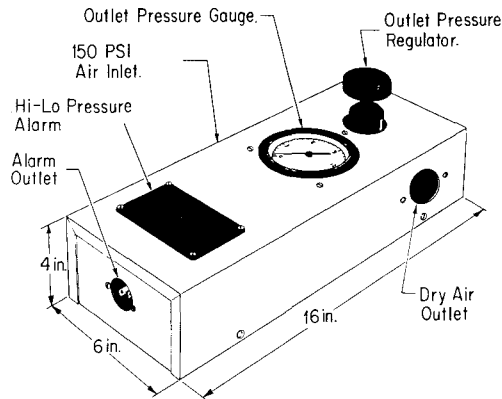


Fig. 1—KS-16648 Dual Pressure Kit

NOTICE

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

2.02 A typical completed installation of the dual pressure kit is shown in Fig. 2.

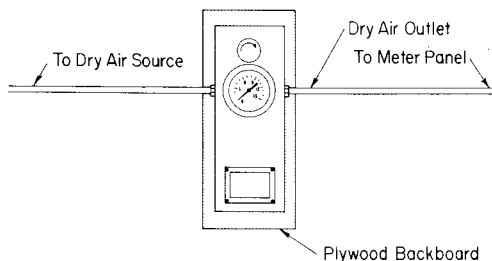


Fig. 2—KS-16648 Dual Pressure Kit Mounted on Plywood Backboard (Typical Installation)

3. ADJUSTMENTS

OUTLET PRESSURE

3.01 The outlet pressure delivered to the cable system is shown on the 0 to 15 psi gauge on the front panel and is adjusted by the outlet pressure regulator.

3.02 If the outlet pressure requires adjustments, loosen the locknut on the stem of the pressure regulator valve and turn the handle **clockwise to increase** and **counterclockwise to decrease** the outlet pressure. **Retighten locknut after adjustment is made.**

HIGH-LOW PRESSURE ALARM

3.03 The pressure alarm is set to activate the central office (CO) alarm if the air pressure varies ± 2 psi above or below the desired outlet pressure.

3.04 The High-Low pressure alarm may be adjusted as follows:

- (1) Remove the CO alarm circuit connector from the alarm outlet.
- (2) Connect a volt-ohmmeter, set to read ohms ($R \times L$), to the pins of the alarm plug.
- (3) Shut off the air supply to the cable system at the meter-panel.

(4) Loosen the locknut on the stem of the pressure regulator and adjust the outlet pressure for 2 psi above the desired pressure.

(5) Remove the cover concealing the High-Low pressure alarm switch and slowly turn the **high pressure adjustment screw** clockwise until the volt-ohmmeter indicates zero resistance (closed circuit). At this point, reverse adjustment screw rotation until the meter **just** indicates infinite resistance (open circuit).

(6) Adjust the outlet pressure regulator for 2 psi below the desired pressure and slowly turn the **low pressure adjustment screw** clockwise until the volt-ohmmeter indicates zero resistance (closed circuit). At this point, reverse adjustment screw rotation until the meter **just** indicates infinite resistance (open circuit).

(7) Adjust the outlet pressure regulator to the pressure required for the cable system and retighten locknut.

(8) Open the air supply to the cable system at the meter-panel.

(9) The High-Low pressure alarm is now set to activate when the air pressure varies approximately 2 psi above or below the desired outlet pressure.

3.05 The pressure range adjustment screw (Fig. 3) may be used to change the pressure range. For a higher pressure range turn the range adjustment screw clockwise and for a lower pressure range turn counterclockwise.

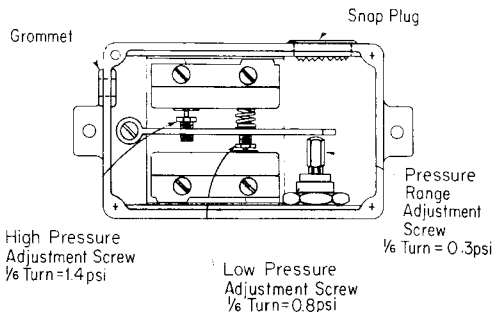


Fig. 3—High-Low Pressure Alarm Switch