

JACKS AND JACK MOUNTINGS

FOR PORTABLE TELEPHONE SETS, OUTDOOR TYPE

IDENTIFICATION, INSTALLATION, AND CONNECTIONS

1. GENERAL

Do not use hand telephone sets (those requiring a subscriber set) and telephone sets together in the same jack and plug system.

Mount jacks in a uniform manner so that when the plug is inserted, the set mounting cord enters the bottom of the plug.

2. IDENTIFICATION

Ordering Guide

Jack, KS-8420

Jack, KS-8421

Housing, Weatherproof, KS-19316, L4

Cover, Weatherproof, KS-19316, L5

Housing Box, KS-19316, L6

Housing, KS-20202, L1 or L2

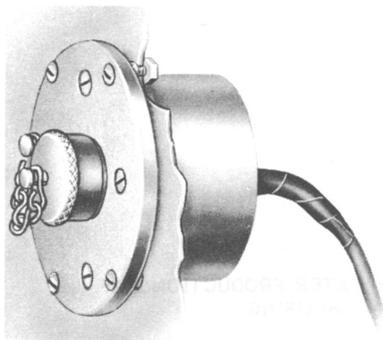
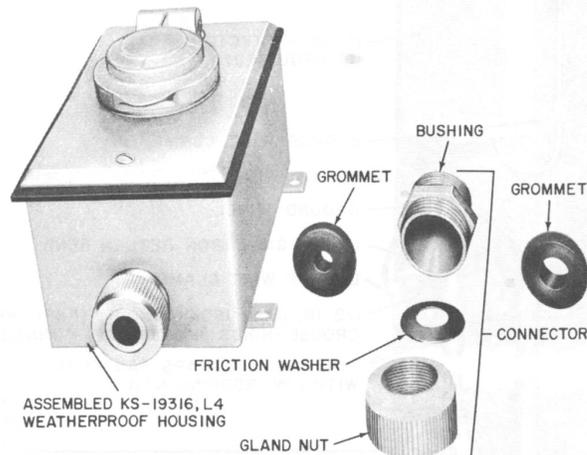
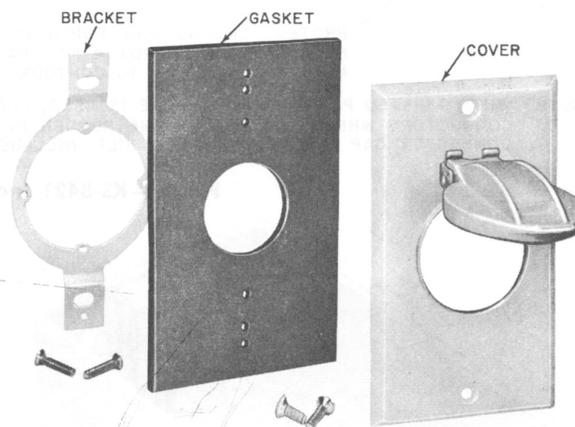


Fig. 1 — KS-8420 Jack, Installed



**Fig. 4 — KS-19316, List 4 Housing and Components
(2 of 3 Grommets Shown)**



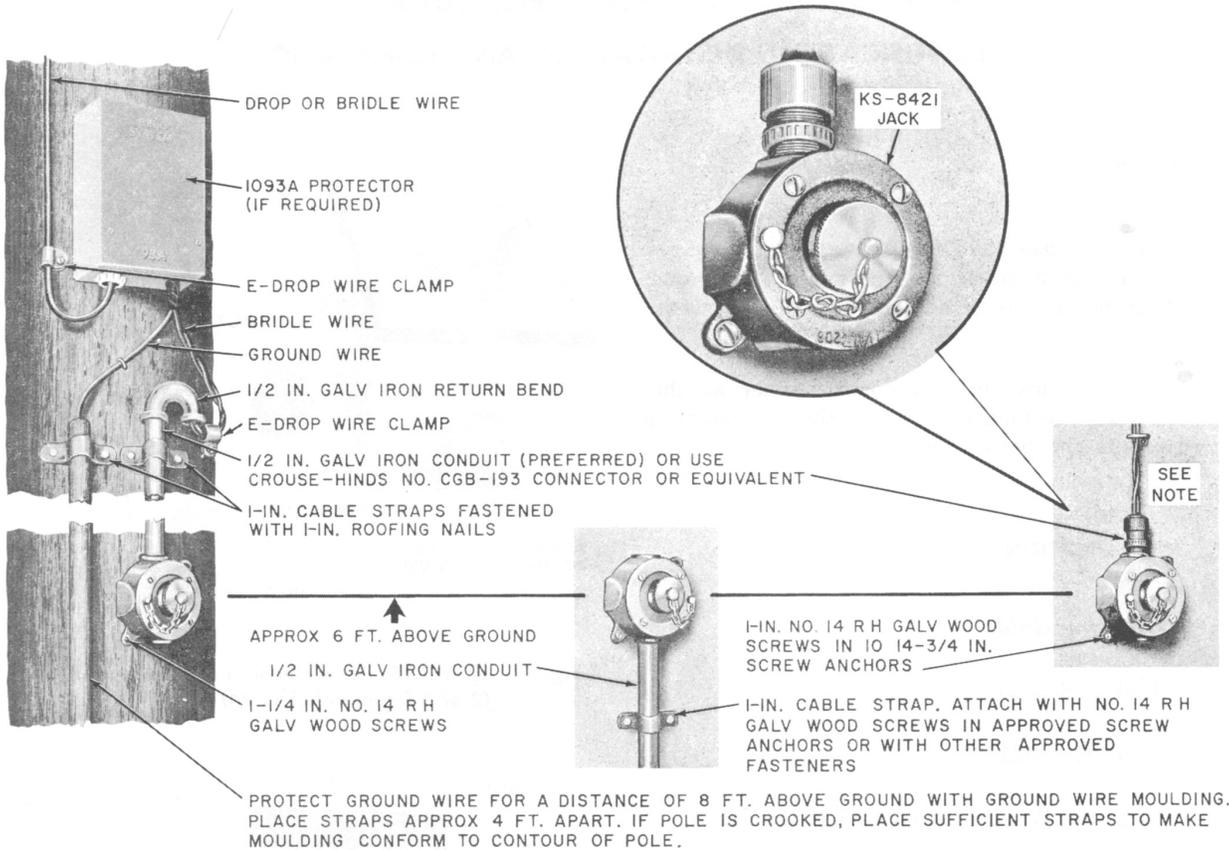
• FOR USE WHERE BOX FOR JACK HAS BEEN INSTALLED OR REPLACEMENT PARTS FOR KS-19316, LIST 4.

• ACCEPTS:
493A JACK (MD)
541A JACK
548A JACK

• MOUNTS TO STANDARD ELECTRICAL OUTLET BOX

• MOUNTING SCREWS SUPPLIED

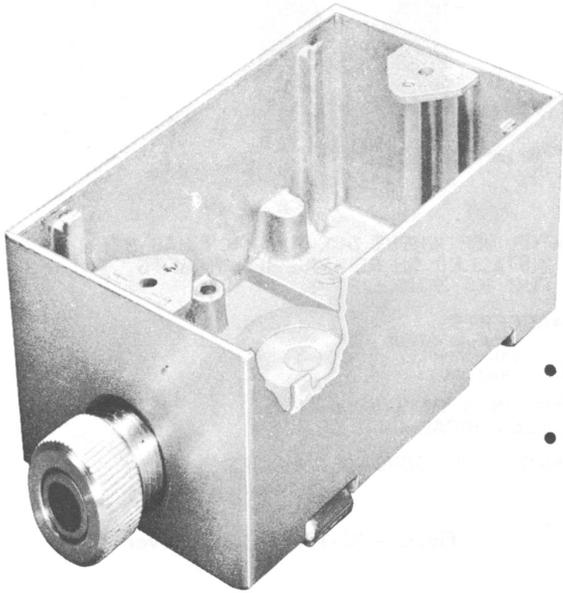
Fig. 5 — KS-19316, List 5 Cover



PROTECT GROUND WIRE FOR A DISTANCE OF 8 FT. ABOVE GROUND WITH GROUND WIRE MOULDING. PLACE STRAPS APPROX 4 FT. APART. IF POLE IS CROOKED, PLACE SUFFICIENT STRAPS TO MAKE MOULDING CONFORM TO CONTOUR OF POLE.

NOTE: WHEN TWISTED PAIR OR TRIPLE WIRE IS USED, PLACE A LAYER OF RUBBER TAPE BETWEEN THE CONDUCTORS WHERE THEY ENTER THE RUBBER PLUG OF THE CONNECTOR SO THAT WHEN THE CONNECTOR CAP IS TIGHTENED THE HOLE WILL BE EFFECTIVELY SEALED.

Fig. 2 — KS-8421 Jack, Typical Installation



- FURNISHED WITH LATER PRODUCTIONS OF KS-19316, LIST 4 HOUSING
- WITH REVERSIBLE MOUNTING LUGS

Fig. 6 — KS-19316, List 6 Housing Box

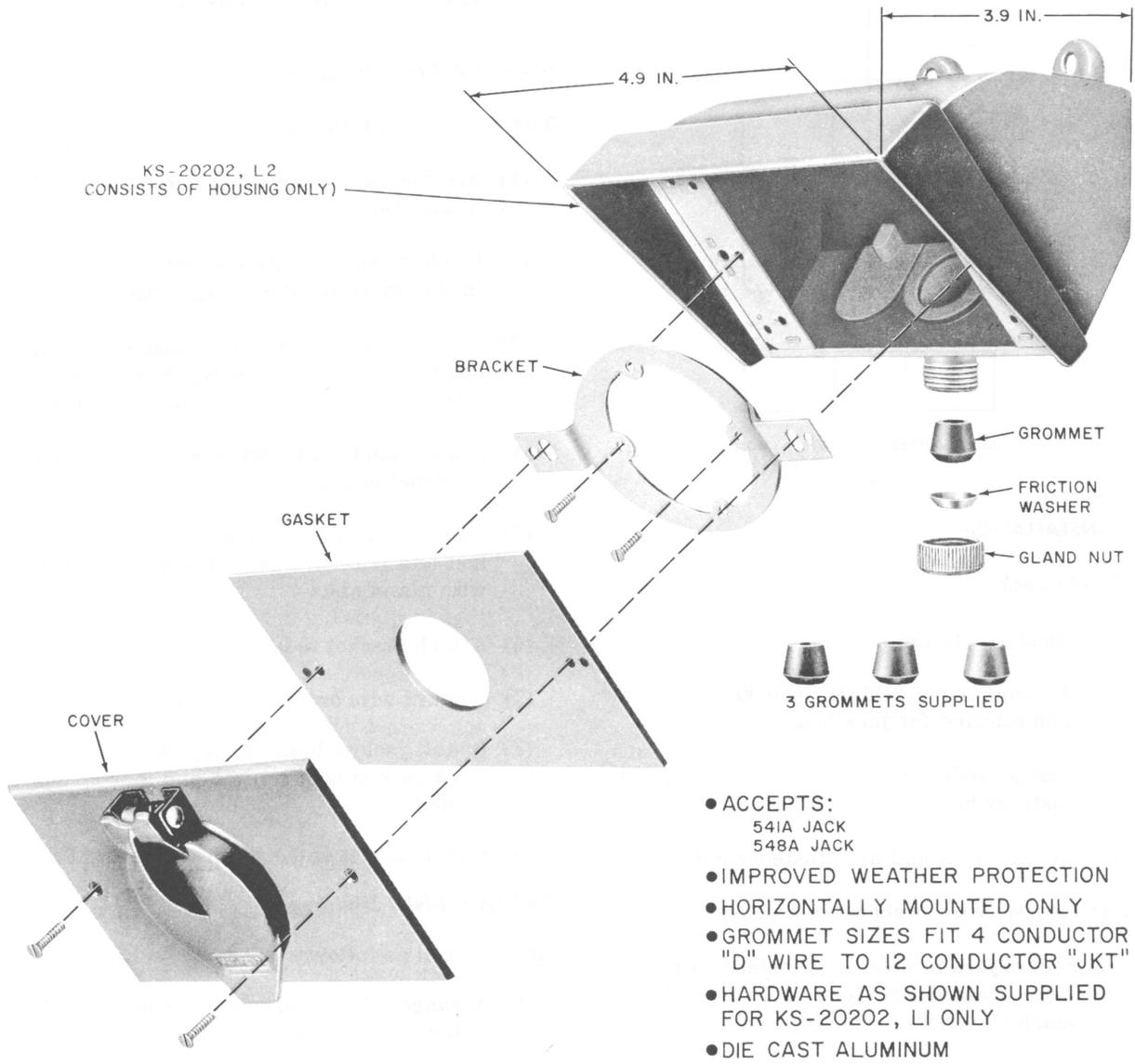
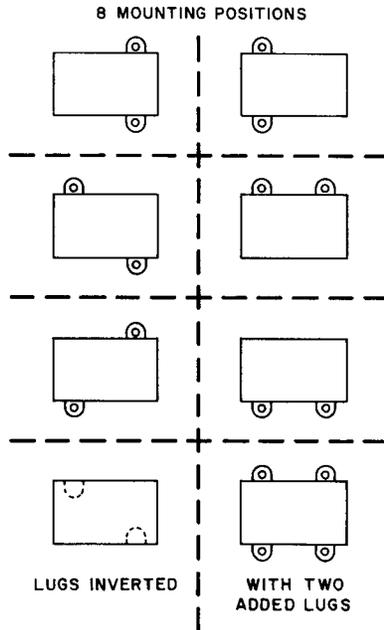


Fig. 8 — Assembly of KS-20202, Lists 1 and 2 Weatherproof Housing



3. INSTALLATION

KS-8420 Jack

3.01 Install as follows:

- (1) Arrange for a 2-11/16 inch hole at location selected for jack installation.
- (2) Temporarily insert jack in hole and mark fastener holes.
- (3) Remove jack and drill fastener holes.
- (4) Connect wire as shown in Fig. 9.
- (5) Secure jack to mounting surface with four No. 8 brass wood screws or No. 8 RH brass machine screws.

KS-8421 Jack

3.02 Install as follows:

- (1) Arrange drop wire or bridle wire and conduit at location selected for installation.
- (2) Secure the jack housing to the mounting surface using suitable fasteners.
- (3) Connect wire to terminal block as shown in Fig. 9.

(4) Mount terminal block to jack housing.

(5) Install cover on housing.

KS-19316, List 4 Housing

3.04 Install as follows:

- (1) Arrange cable at location selected for jack installation.
- (2) Use housing box with positioned mounting lugs to mark lug mounting holes.
- (3) Drill holes and secure housing box to mounting surface with No. 8 brass wood screws or No. 8 RH brass machine screws.
- (4) Place gland nut, friction washer, and grommet on cable.
- (5) Run cable inside housing and adjust grommet and friction washer for watertight fit with gland nut.
- (6) Attach bracket to housing box.
- (7) Connect wire or cable to jack.
- (8) Install jack to bracket. Supplied cover for 541A jack is not required and may be discarded.
- (9) Install gasket and cover for watertight fit.

KS-20202, List 1 Housing

3.05 Install as follows:

- (1) Arrange cable or drop wire at location selected for installation.
- (2) Hold housing to mounting surface and mark fastener holes.
- (3) Remove housing and drill fastener holes.
- (4) Secure housing to mounting surface with No. 8 brass wood screws or No. 8 RH brass machine screws.
- (5) Place gland nut, friction washer and grommet onto cable or drop wire.

- (6) Run cable or drop wire inside housing and adjust grommet and friction washer for watertight fit with gland nut.
- (7) Install bracket and arrange cable or drop wire through center of bracket.
- (8) Connect conductors to selected jack.
- (9) Install jack to bracket. Supplied cover for 541A jack is not required and may be discarded.
- (10) Install gasket and cover.

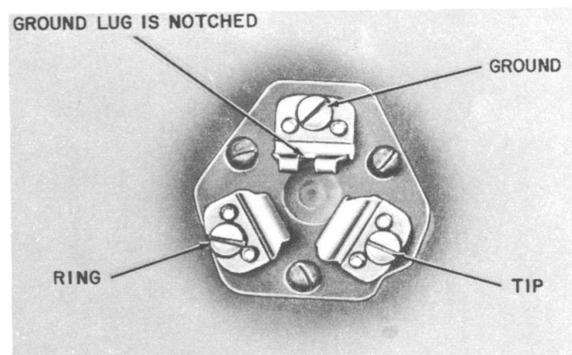


Fig. 9 — Connections for KS-8420 and 8421 Jacks

4. CONNECTIONS

- 4.01 Figure 9 shows connections for KS-8420 and KS-8421 jacks.
- 4.02 Only one conductor shall be connected to a single clip of a clip-type jack terminal.
- 4.03 For a 4-conductor jack, connect conductor as indicated by the color designator stamped next to the terminals. The red conductor is terminated at the R terminal, etc.
- 4.04 Table A shows the connections for 12-conductor jacks.
- 4.05 Wiring variations (eg, class-of-service, etc, normally made in the connecting block) **should not be made** in the jacks; any variations should be made in the plugs.

Caution: Test each jack location for correct continuity.

TABLE A

12 CONDUCTOR JACK CONNECTIONS

D AND E WIRING CABLE	TERMINAL DESIGNATION
BL-W	1
W-BL	2
O-W	3
W-O	4
G-W	5
W-G	6
BR-W	7
W-BR	8
S-W	9
W-S	10
BL-R	11
R-BL	12