

WALK-UP, DRIVE-UP PUBLIC TELEPHONES KS-16705 MOUNTING

1. GENERAL

1.01 Information in this section was formerly contained in Sections 508-460-100 and 508-460-200 which are hereby canceled.

2. IDENTIFICATION

2.01 The KS-16705 mounting is MD. This mounting is designed to provide for a walk-up or drive-up public coin telephone arrangement (Fig. 1).

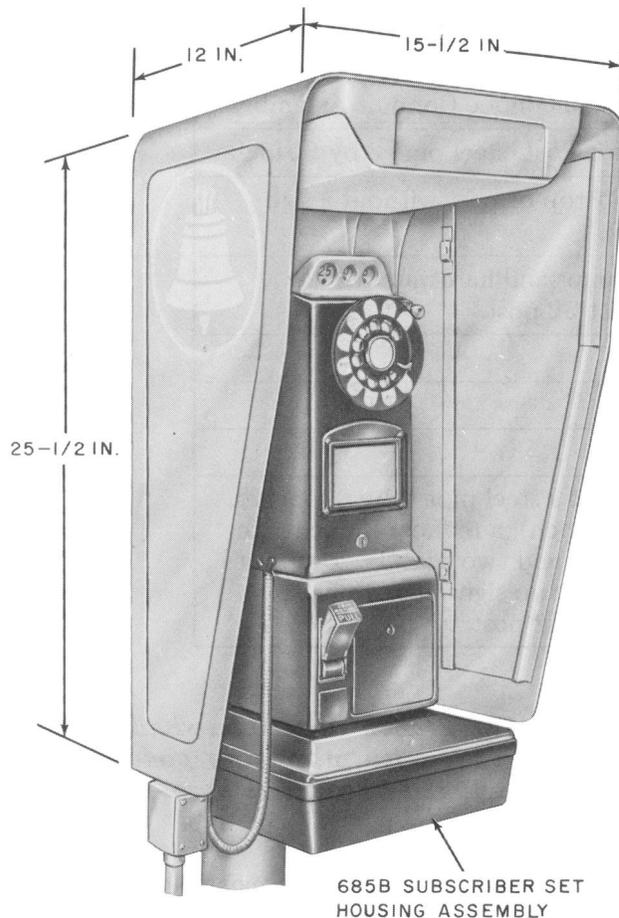


Fig. 1—KS-16705 Mounting With Coin Collector

2.02 The KS-16705 mounting consists primarily of a weather hood, florescent light, subscriber set housing, and a backboard. The backboard serves as a mounting surface for all major items including the coin collector.

2.03 Table A lists the accessories available for use with this type mounting. The particular list number items must be ordered separately along with the coin collector and subscriber set.

2.04 The walk-up and drive-up feature of this type installation makes it possible for the mounting to be mounted on the same type pole or wall whether the customer is walking or driving a motor vehicle (Fig. 2, 3, or 4).

2.05 An extension mast for attaching public telephone signs can be used on top of the mounting post (Fig. 4). See Table A for ordering information.

3. INSTALLATION

Location

3.01 A satisfactory location for a walk-up, drive-up public telephone is important.

3.02 When selecting this location, the accessibility of the telephone set and safety of those using the facility should be considered. The approach of the mounting should be:

- Away from the main stream of traffic
- Free of hazards such as holes, broken sidewalks, curbs, or pavement, obstructions, etc.

Mounting Post Installation

3.03 The mounting post is constructed of a 3-inch extra strong steel pipe. A 5/8 inch hole is located 9 inches from the lower end of post to provide additional security and stability. A steel rod (supplied locally) shall be inserted through this

TABLE A

KS-16705 MOUNTINGS AND ACCESSORIES

LIST	DESCRIPTION	REMARKS
7	Mounting	Consists of a weather hood, a fluorescent light, a backboard, and a subscriber set housing. P-20E070 security studs are shipped loose with the mounting.
34	Panel	Left Hand (Orange)
35		Right Hand (Orange)
36		Left Hand (Green)
37		Right Hand (Green)
38		Left Hand (Translucent White)
41		Right Hand (Translucent White)
42		Left Hand (Clear)
43		Right Hand (Clear)
39	Conduit	Flexible Telephone Conduit Assembly
52	Post Assembly	Mounting Post, steel pipe 3 by 80 inches
53	Cap	Close off top of post without a sign mast.
54	Clamp Assembly	Two clamps and hardware for use with list 52 post.
61	Hood Finish	Blue
62		Green
64		Orange
70	Mast Assembly	Consists of a steel pipe 2 by 63 inches, a cap (2 inch), a reducer (3 inches to 2 inches), and two spacers. Used for mounting two signs back to back above list 52 post.

hole before the base is poured. Requirements for a complete mounting installation is shown in Fig. 5.



The 24-inch dimension shall parallel road, with mounting post always centered in concrete base.

3.04 When a curbing is not available to protect the mounting from damage by vehicles, a concrete base 48 inches long, 24 inches wide, and 24 inches deep should be embedded in the ground. Six inches of the base should extend above road level.

3.05 Where a curb already exists, the concrete base need be only 18 inches deep.

3.06 The concrete base for walk-up installation should be 24 inches square, 18 inches deep, and flush with the ground.

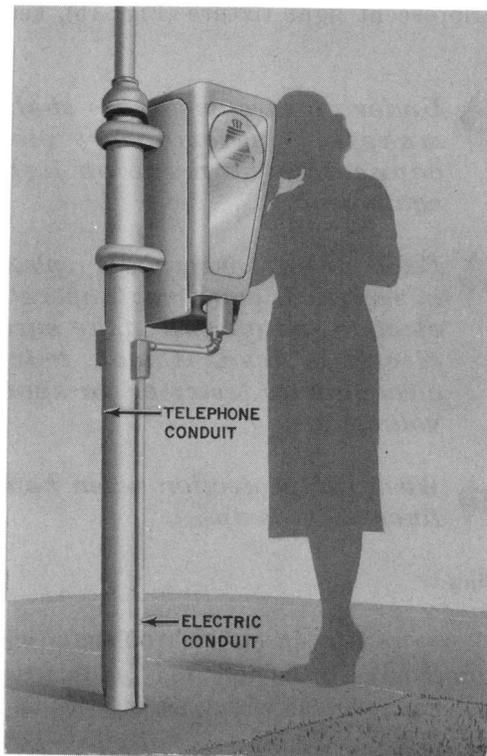


Fig. 2—Walk-Up Installation, Post Mounted

3.07 The mounting post shall be embedded in an upright plumb position. This is necessary to ensure proper operation of the coin collector.

3.08 The mounting may be installed on a wall or similar surface. If the mounting is fastened to a steel post, special clamps are available (Fig. 6, 7, 8, and 9).

3.09 A list 53 cap (Fig. 8) or list 70 sign mast assembly should always be placed over the top of the mounting post. Signs for use with this mounting are covered in Section 508-810-205.

3.10 KS-19094 antiseize compound placed on screw-type fasteners exposed to the weather will facilitate future removal.

Wall-Type Installation

3.11 Place paper template, B-192542 (Fig. 10), furnished with each mounting at proper height on wall (42 inches from ground level to

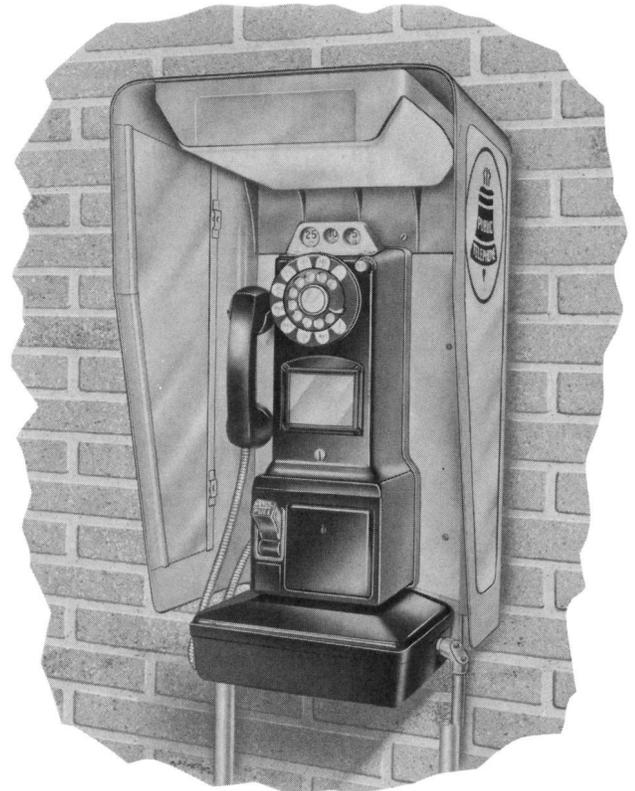


Fig. 3—Walk-Up Installation, Wall Mounted

bottom of hood) and mark location of holes through template.

3.12 Drill holes in masonry or lead holes in wood and use fasteners as indicated in Table B to fasten mounting to surface drilled.

Telephone Wiring

3.13 Access to the station protector and subscriber set (Fig. 11) is gained by unlocking the subscriber set housing and sliding door to rear until it drops down in front.

3.14 Terminate station wiring on the protector as shown in Fig. 12. A KS-16705, List 39 flexible conduit assembly (Fig. 13) is available where rigid conduit is not required to bring the station wiring into the mounting.

3.15 Refer to Tables C and D for station wire and mounting cord connections between the coin collector and subscriber set.

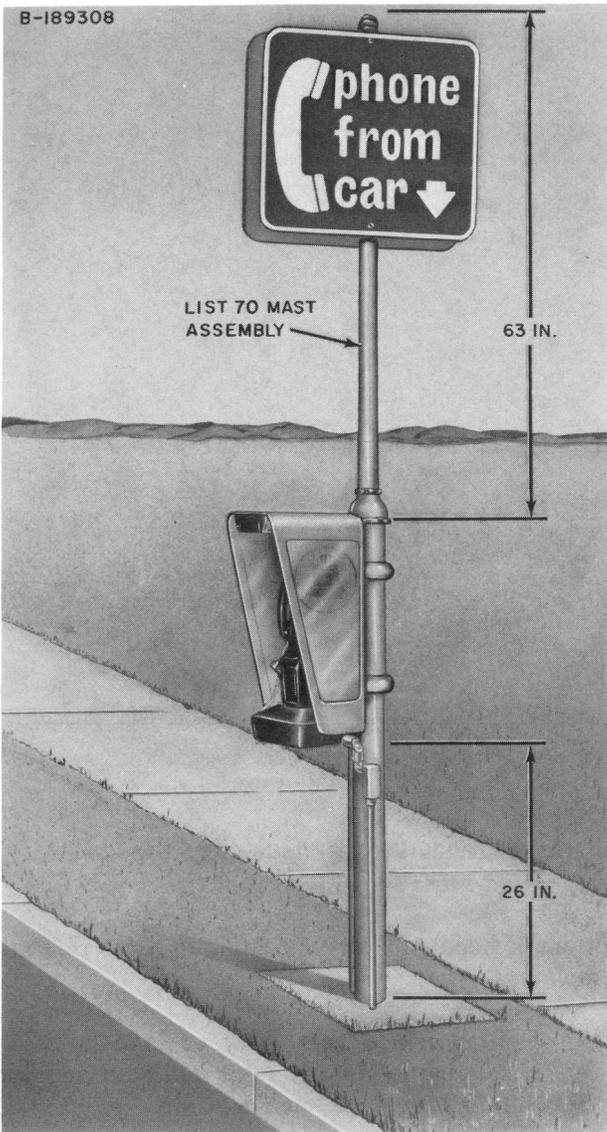


Fig. 4—Drive-Up Installation

Electrical Wiring

3.16 The 110 VAC wiring should be done by an electrician to conform with current requirements of the National Electrical Code, governmental agencies, and company standards.

3.17 A KS-19580, List 30 power cord assembly (Fig. 14) is available for making the power

connections to the mounting. For power connections to the florescent light fixture (Fig. 15), see Fig. 12.

THINK *Under no circumstances shall any makeshift or temporary electric connection be made on lighting equipment.*

THINK *Before making any repairs or replacement in electrical equipment, operate the electric switch and make sure the circuit is dead. Check, using an electric wire tester or an approved voltmeter.*

THINK *Wear eye protection when handling fluorescent lamps.*

Grounding

3.18 Refer to Section 508-100-100 for grounding procedures to be followed for this type an installation and various wiring arrangements.

4. DIRECTORIES

4.01 No mounting arrangements for telephone directories are provided.

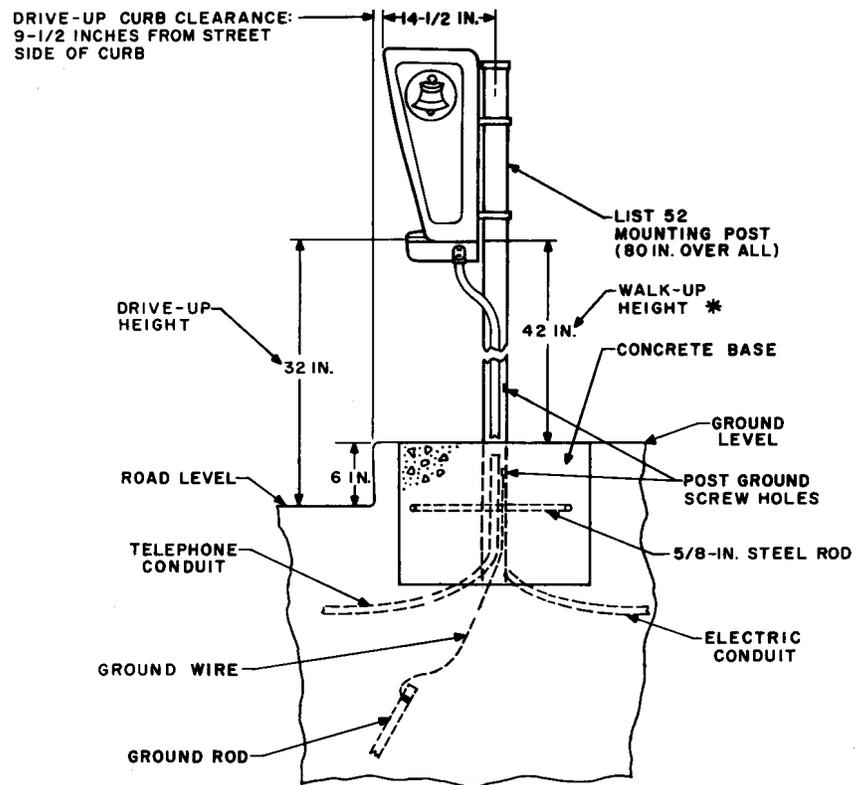
5. MAINTENANCE

5.01 Mounting post assembly check points:

- Safe approach to mounting (refer dangerous conditions to supervisor).
- Security of the mounting post.
- Security of the coin collector on the mounting post.
- Lighting equipment.

5.02 Mounting hood assembly may be cleaned with the following:

- Damp cloth.
- Mild detergent in water.



* HEIGHT FOR PEDESTRIAN USE ON LOCATION AWAY FROM CURB AND/OR STREET IS 42 IN.

B-188960

Fig. 5—Mounting Post Assembly

- KS-7860 petroleum spirits which removes wax base substances (crayons, lipstick, etc).

Note: Do not use abrasive materials that will scratch the hood.

Warning: *KS-7860 petroleum spirits is highly flammable. Use safety precautions while it is being used.*

SECTION 508-450-100

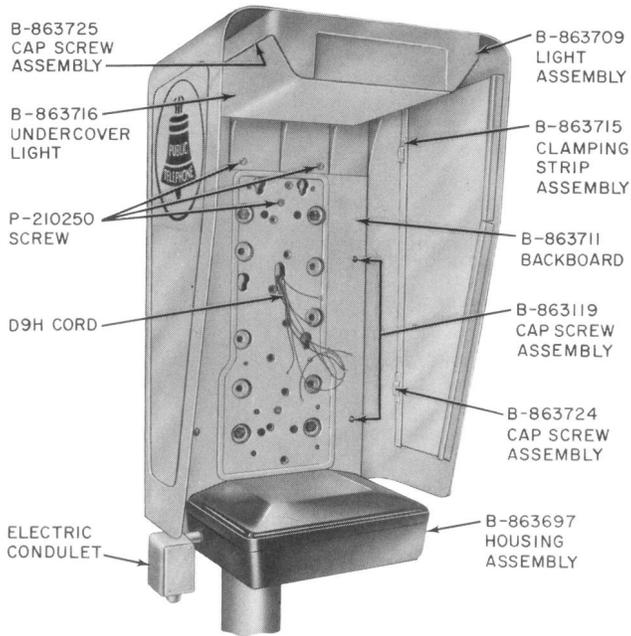


Fig. 6—KS-16705 Mounting, Front View

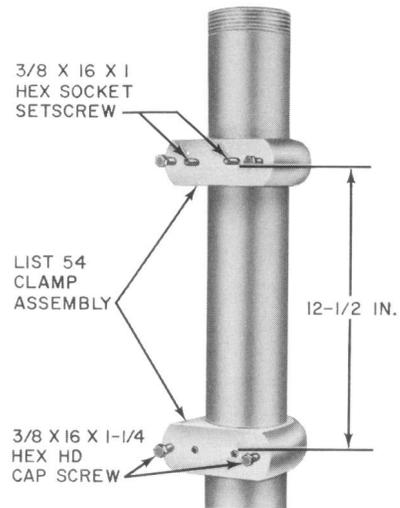


Fig. 8—List 54, Clamp Assembly

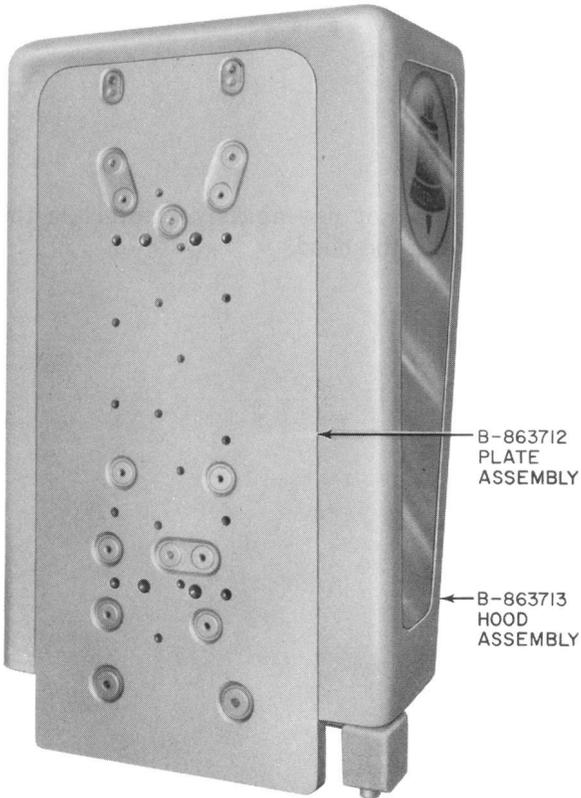


Fig. 7—KS-16705 Mounting, Rear View

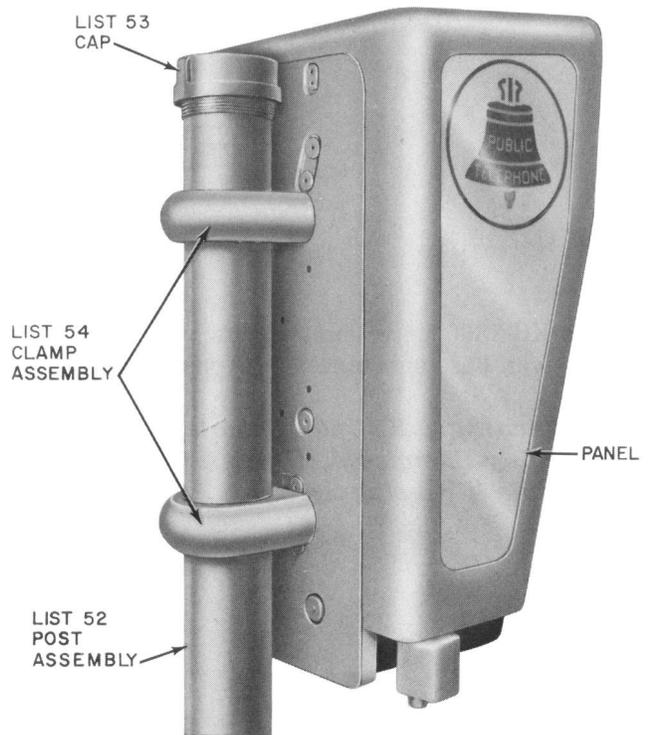


Fig. 9—KS-16705 Mounting, Fastened to Mounting Post

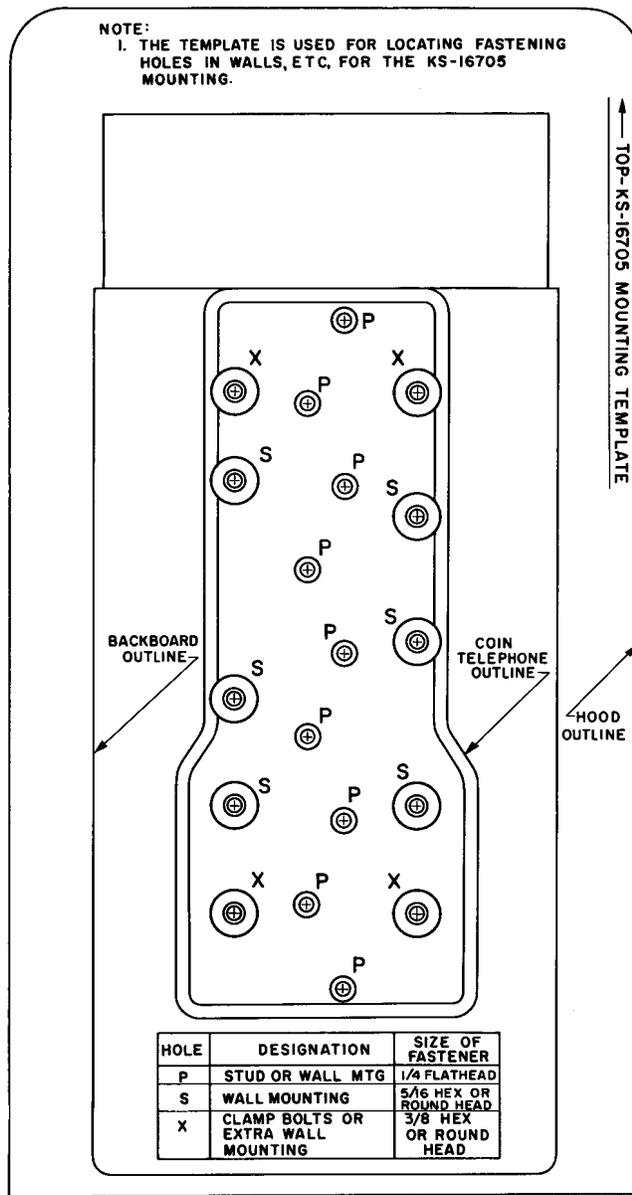


Fig. 10—Paper Template

TABLE B

FASTENERS FOR WALL MOUNTINGS

FASTENER	DRILL SIZE	MOUNTING SURFACES			
		SOFT WOOD	HARD WOOD	MASONRY (CONCRETE, BRICK)	CINDER BLOCK, HOLLOW TILE
1-1/4 inch No. 14 tapping screw	3/32		•		
5/16 by 2-inch hex or RH machine screw and 5/16-inch expansion shield	5/8			•	
1/4 by 4-inch RH toggle bolt	3/4	•			•

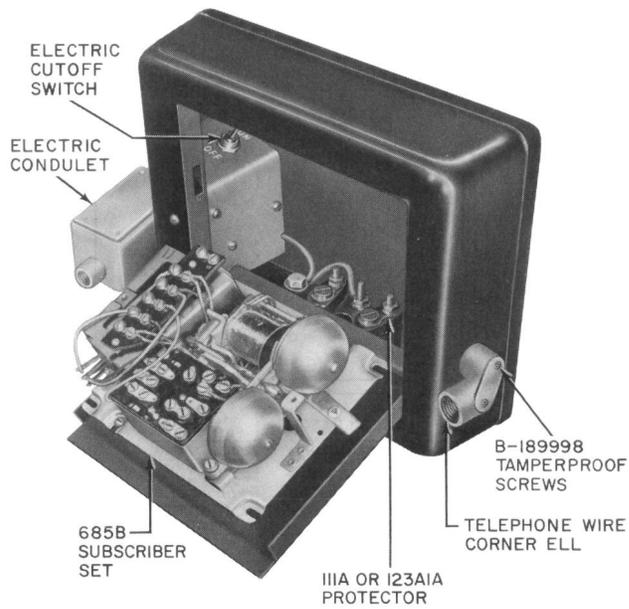


Fig. 11—Subscriber Set Housing Assembly

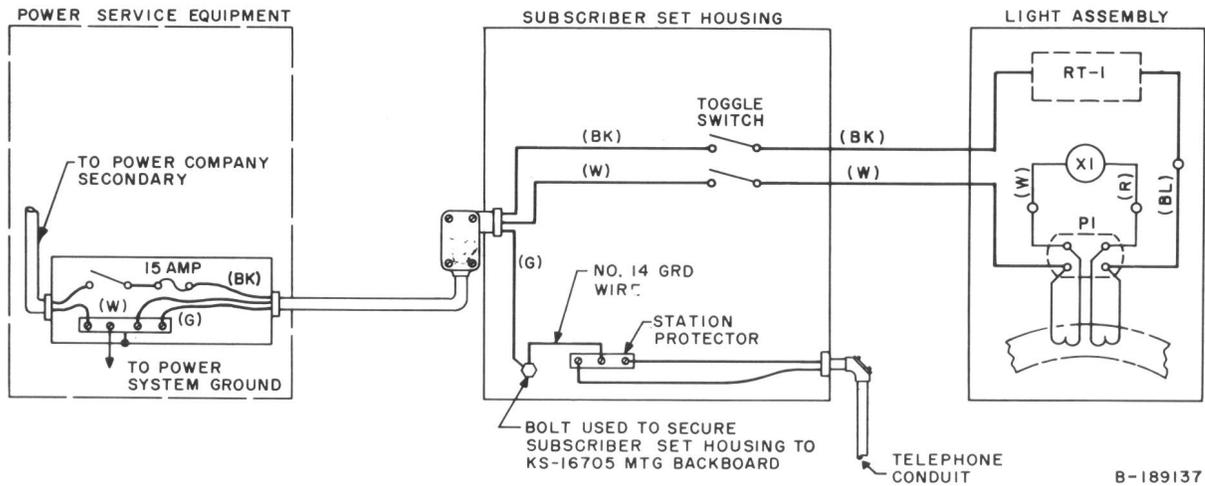


Fig. 12—Wiring Diagram



Fig. 13—KS-16705, List 39 Flexible Telephone Conduit Assembly

TABLE C

CONNECTIONS WITH 685A SUBSCRIBER SET

WIRE OR LEAD		STATION PROTECTOR	COIN COLLECTOR	SUB SET
Ring	R	Ring		
Tip	G	Tip		
Grd	Y	Grd		
D9H Cord	R	Ring		L1
	G	Tip		L2
	Y	Grd	G	
	BK		T	B
	R-W		TR	R
	G-W		W	GN
	BR-Y		R	RR
	R-BK		Y	L1
G-Y	Spare (taped back)			

- Notes 1: Remove BL strap between RR of network and L1 of terminal block
 2: S-BR strap from C of network moved from terminal 2 to L2 of terminal block.

TABLE D

CONNECTIONS WITH 685B SUBSCRIBER SET

WIRE OR LEAD		STATION PROTECTOR	COIN COLLECTOR	SUB SET
Ring	R	Ring		
Tip	G	Tip		
Grd	Y	Grd		
	R	Ring		L1
D9H Cord	G	Tip		L2
	Y	Grd	G	
	BK		T	B*
	R-W		TR	R
	G-W		W	GN
	BR-Y		R	RR
	R-BK		Y	L1
	G-Y		†	K

* Black strap from S-36 relay moved from terminal 2 to B on network. Yellow coin collector strap from T to coin relay is removed.

† Connect to terminal 3 on coin relay.

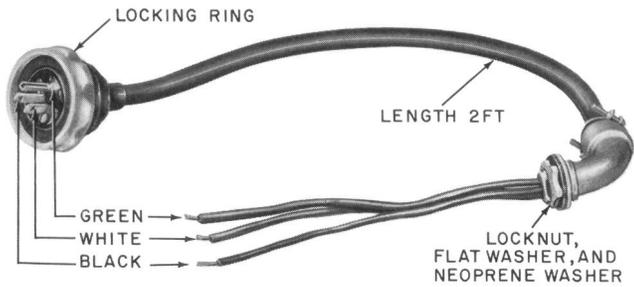


Fig. 14—KS-19580, List 30 Power Cord Assembly

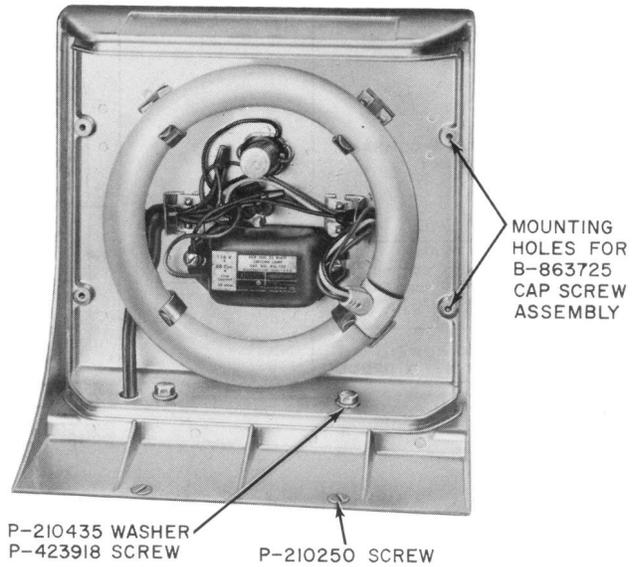


Fig. 15—Light Assembly