

NONILLUMINATED TYPE PHONE SIGNS IDENTIFICATION AND INSTALLATION

1. GENERAL

1.01 This section contains information on the nonilluminated type phone signs.

1.02 The reasons for reissuing this section are listed below. Revision arrows are used to emphasize the more significant changes.

- Add KS-19945, Lists 7 and 8 Charge-a-Call signs
- Add KS-20064, Lists 9A, 10A, 11A, 12A, 13A, 14, 15, 16, 17, and 18 Charge-a-Call signs.

2. IDENTIFICATION

♦A. KS-19945, Lists 7 and 8

2.01 Two signs are available (Fig. 1):

(a) KS-19945, List 7:

- 17-3/8 by 2-5/8 inches, single-faced, white graphic on blue background
- Charge-a-Call logo on front side
- Has pressure sensitive adhesive on back side
- Intended to mount on KS-19945 small talk coinless telephone facilities.

(b) KS-19945, List 8:

Same as List 7 except has blue graphics on white background.♦

B. KS-20063 Signs, Plate, and Mounting Bracket

2.02 Four signs are available (Fig. 2 and 3).

(a) KS-20063, List 1:

12 inches square.

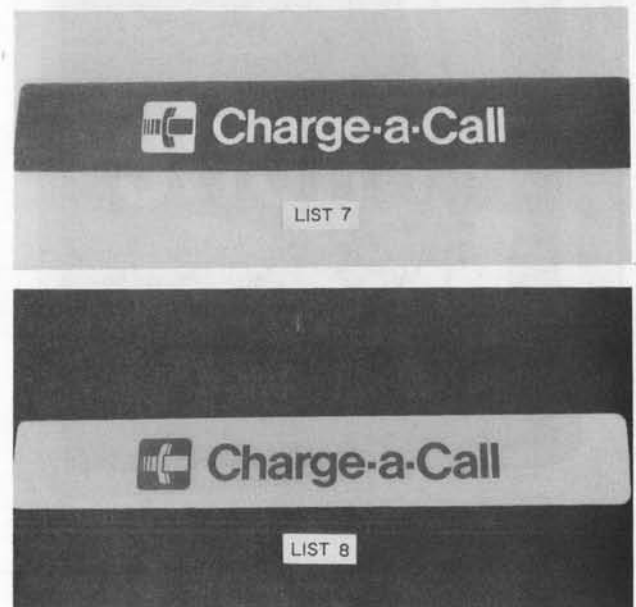


Fig. 1—♦KS-19945, Lists 7 and 8 Signs♦

(b) KS-20063, List 2:

18 inches square.

(c) KS-20063, List 3:

24 inches square.

(d) KS-20063, List 6:

7 inches square.

2.03 These signs have the following features:

- Consist of aluminum sheet
- Have blue background with white graphics
- Are lettered on both sides

NOTICE

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



Fig. 2—KS-20063, List 1, 2, or 3 Sign



Fig. 3—KS-20063, List 6 Sign

- Are flanged for fastening to a vertical surface
- Are for indoor or outdoor use.

2.04 Four accessories are available.

- (a) KS-20063, List 4 sign reinforcing plate (Fig. 24 and 26):

Used with List 3 sign when sign is pole mounted or mounted with List 5 brackets.

- (b) KS-20063, List 5 sign mounting bracket (Fig. 26):

Used when either of the signs are mounted on a corner.

- (c) KS-20063, List 7 sign mounting bracket (Fig. 27):

- Clear anodized aluminum
- Intended for use with KS-20063, List 1, 2, or 3 sign on KS-20842 SENTRY* public telephone enclosure List 170 or 176 mast

- Designed to accommodate either one or two phone signs.

- (d) KS-20063, List 8 sign mounting bracket (Fig. 27):

Same as the KS-20063, List 7 except the List 8 is black in color.

C. KS-20064 Signs

- 2.05** The KS-20064 signs are replacements for the KS-19027 signs which are rated MD.

2.06 Eighteen signs are available.

- (a) KS-20064, List 1 (Fig. 4):

- 7 inches square
- Vinyl decal lettered on one side
- Intended for indoor or outdoor use
- Has pressure sensitive adhesive on back for mounting to flat smooth surface

*Trademark of Western Electric.

- Has white handset and word Phone on blue background.

(b) KS-20064, List 2 (Fig. 4):

- 7 inches square
- Anodized aluminum sheet lettered on one side
- Intended for indoor or outdoor use
- Has white handset and word Phone on blue background
- Has two holes for wall mounting
- Hardware not furnished and must be ordered separately.



Fig. 4—KS-20064, List 1, 2, or 5 Sign

(c) KS-20064, List 3 (Fig. 5 and 6):

- Rectangular vinyl decal with white arrow on blue background on one side
- Intended for indoor or outdoor use
- Used with KS-20064, List 1 sign

- Can be placed on either of the four sides of sign.

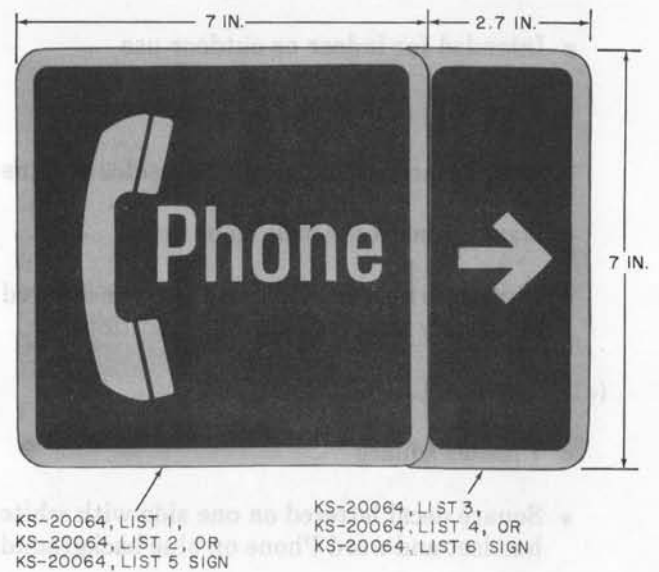


Fig. 5—KS-20064 Sign-Arrow Right

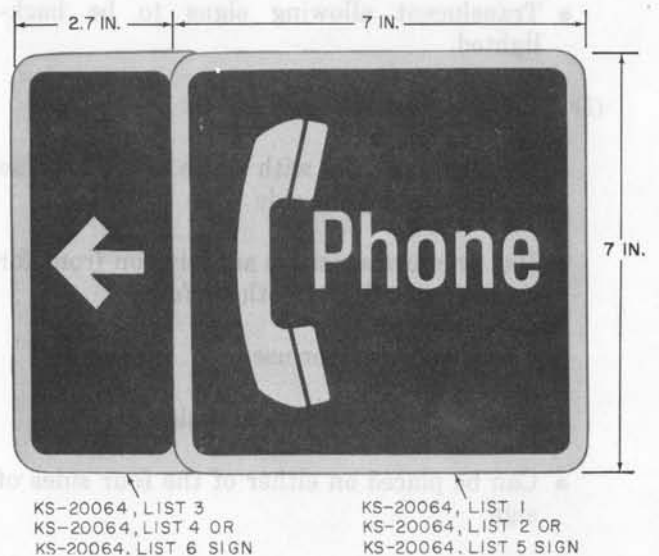


Fig. 6—KS-20064 Sign-Arrow Left

(d) KS-20064, List 4 (Fig. 5 and 6):

- Rectangular anodized aluminum sheet with white arrow on blue background on one side
- Intended for indoor or outdoor use
- Used with KS-20064, List 2 sign
- Can be placed on any of the four sides of signs
- Has two holes for wall mounting
- Hardware not furnished and must be ordered separately to suit mounting conditions.

(e) KS-20064, List 5 (Fig. 4):

- 7 inches square
- Square decal lettered on one side with white handset and word Phone on blue background
- Has pressure sensitive adhesive on front for mounting to flat smooth surface
- Intended for indoor use
- Translucent allowing signs to be back-lighted.

(f) KS-20064, List 6 (Fig. 5 and 6):

- Rectangular decal with white arrow on blue background on one side
- Has pressure sensitive adhesive on front for mounting to flat smooth surface
- Intended for indoor use
- Used with KS-20064, List 5 sign
- Can be placed on either of the four sides of sign
- Translucent allowing sign to be back-lighted.

(g) KS-20064, List 7 (Fig. 7):

- 7-inch square vinyl decal, single-faced, white graphics on blue background
- Has the wheelchair logo with the word Phone

- Has pressure sensitive adhesive on back side
- Intended for indoor use.

(h) KS-20064, List 8 (Fig. 8):

- 7-inch square vinyl decal, single-faced, white graphics on blue background
- Has the amplified handset logo with the word Amplify
- Has pressure sensitive adhesive on back side
- Intended for indoor use.



Fig. 7—KS-20064, List 7 Sign

(i) ♦KS-20064, List 9A (Fig. 9):

- 3 by 9 inches, single-faced, white graphics on blue background
- Lexan material
- Charge-a-Call logo on front side
- Has pressure sensitive adhesive on back side



Fig. 8—KS-20064, List 8 Sign

- Intended for wall mounting at coinless public telephone facilities.¶

(j) ♦KS-20064, List 10A (Fig. 9):

3 by 15 inches

Other features same as List 9A.

(k) KS-20064, List 11A:

- 6-1/4 by 7 inches, single-faced, white handset, blue background, and white graphics
- Lexan material
- Charge-a-Call directional logo, arrow left
- Has pressure sensitive adhesive on back side
- Intended for wall mounting in the vicinity of coinless public telephone facilities.

(l) KS-20064, List 12A (Fig. 10):

Same as List 11A except has arrow right.

(m) KS-20064, List 13A:

- 5-3/8 inches square, single-faced, white handset, blue background, and white graphics
- Lexan material
- Charge-a-Call logo on front side
- Has pressure sensitive adhesive on back side
- Intended for wall mounting above a coinless public telephone set.

(n) KS-20064, List 14:

Same as List 9A except has blue graphics on white background.

(o) KS-20064, List 15:

Same as List 10A except has blue graphics on white background.

(p) KS-20064, List 16 (Fig. 11):

Same as List 11A except has blue graphics on white background.

(q) KS-20064, List 17:

Same as List 12A except has blue graphics on white background.

(r) KS-20064, List 18 (Fig. 12):

Same as List 13A except has blue graphics on white background.¶

- LIST 9A IS 3-IN. X 9-IN.
- LIST 10A IS 3-IN. X 15-IN.

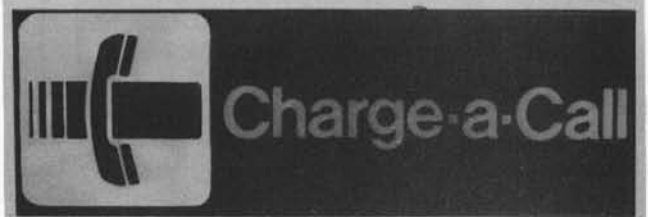


Fig. 9—♦KS-20064, List 9A or 10A Sign¶

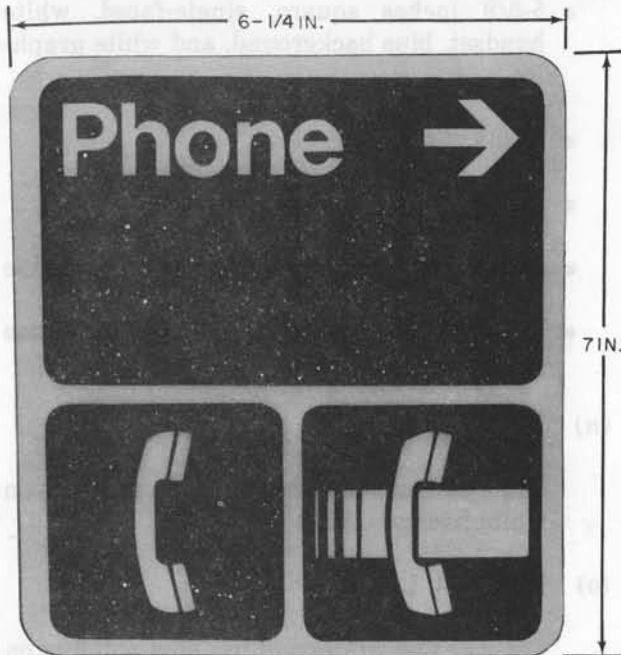


Fig. 10—KS-20064, List 12A Sign

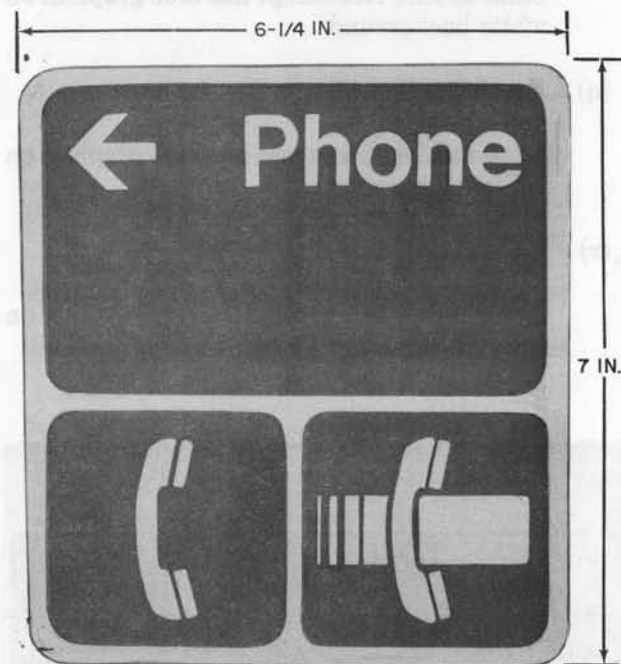


Fig. 11—KS-20064, List 16 Sign

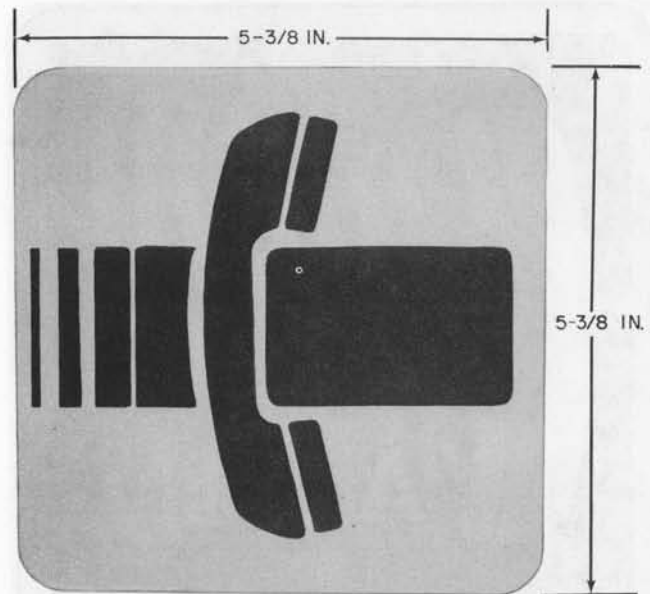


Fig. 12—KS-20064, List 18 Sign

2.07 KS-20065 signs are for the following purposes:

Walk-up, Drive-up Signs

Advance Warning Signs.

D. Walk-up, Drive-up Signs

2.08 Two signs are available.

(a) KS-20065, List 6 (Fig. 13):

Intended for use at walk-up installations or in the vicinity of a coin station.

(b) KS-20065, List 5 (Fig. 14):

Intended for use at drive-up installations.

2.09 These signs have the following features:

- Consist of aluminum sheet
- Have white, reflective letters and handset symbol on blue background (List 5 has arrow also)
- Lettered on one side only
- For indoor or outdoor use

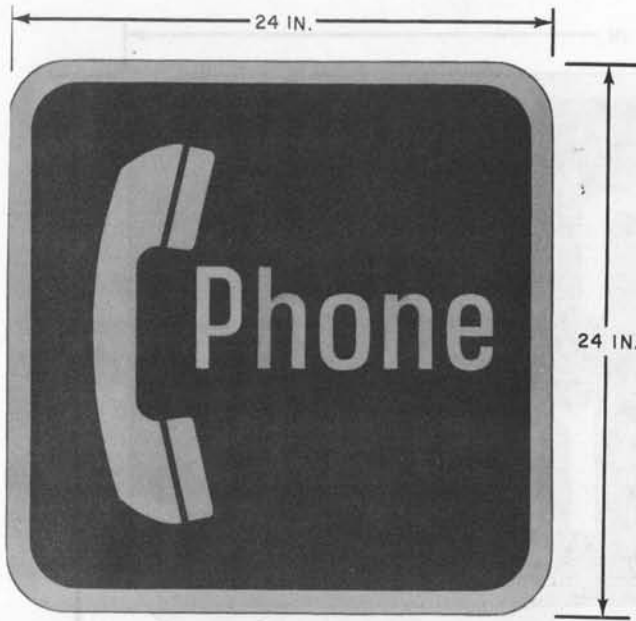


Fig. 13—KS-20065, List 6 Sign

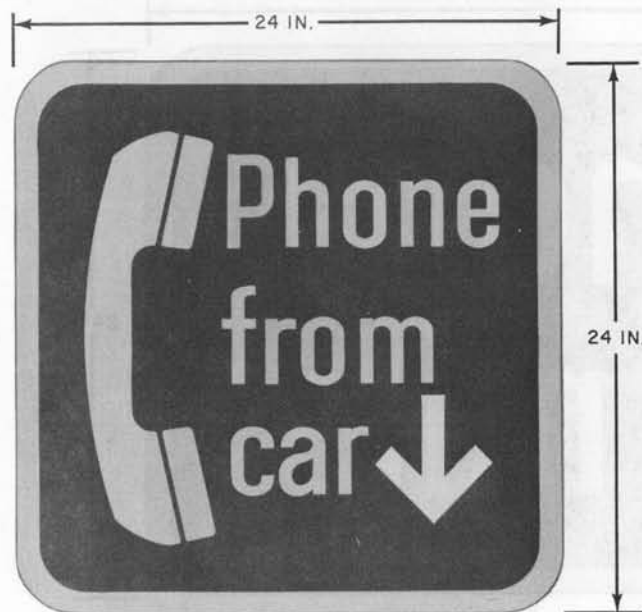


Fig. 14—KS-20065, List 5 Sign

- Designed to mount on one:
KS-20065, List 7 post (9 feet long)
KS-20065, List 8 post (11 feet long)
or any flat surface.
- Mounting hardware furnished with sign(s).

E. Advance Warning Signs**2.10** Four signs are available:

- KS-20065, List 1 (Fig. 15)
- KS-20065, List 2 (Fig. 16)
- KS-20065, List 3 (Fig. 17)
- KS-20065, List 4 (Fig. 18).

2.11 These signs have the following features:

- Are intended for use along highways
- Consist of aluminum sheet
- Have white reflective letters and handset symbol on blue background (Lists 3 and 4 have arrows)
- Are lettered on one side only
- Were designed to mount on two KS-20065, List 7 posts (9 feet long) or two KS-20065, List 8 posts (11 feet long)
- Mounting hardware furnished with sign(s).

F. KS-20125 Signs and Mounting Bracket**2.12** Two signs and one bracket are available.**(a)** KS-20125, List 1 sign (Fig. 19):

- Anodized aluminum sheet
- Has word Phone in white letters on blue background on both sides
- Knockouts are provided for mounting
- For indoor or outdoor use



Fig. 15—KS-20065, List 1 Sign



Fig. 16—KS-20065, List 2 Sign

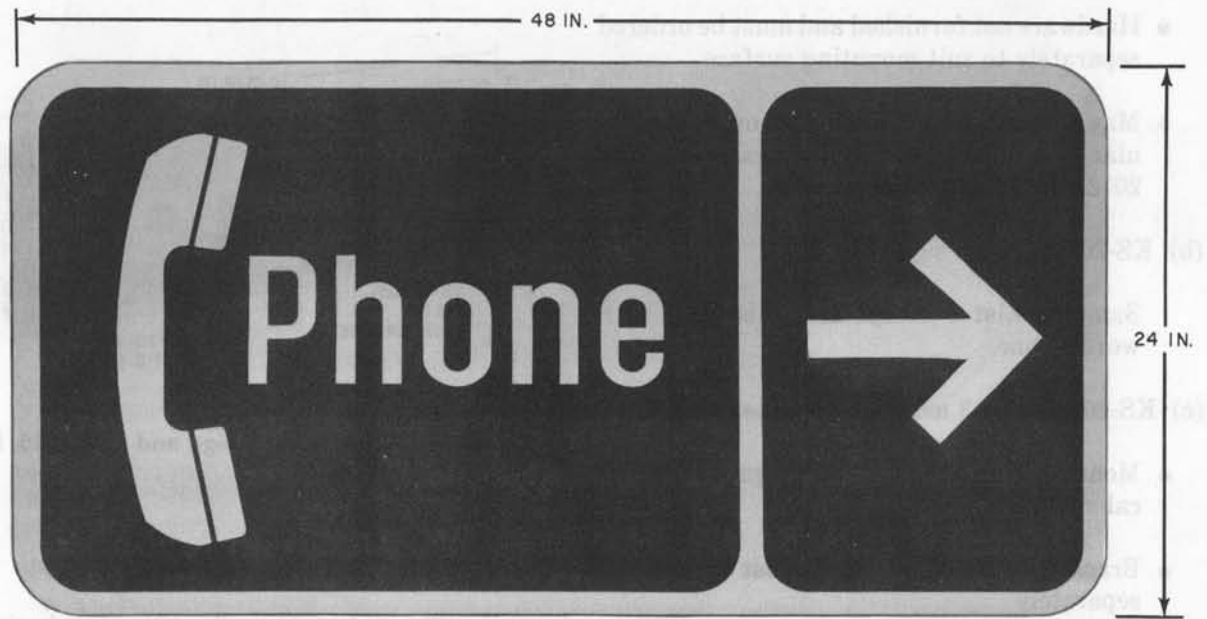


Fig. 17—KS-20065, List 3 Sign



Fig. 18—KS-20065, List 4 Sign

- Hardware not furnished and must be ordered separately to suit mounting surface
- May be mounted on flat surface or perpendicular to a vertical surface by means of a KS-20125, List 3 mounting bracket.

(b) KS-20125, List 2 sign (Fig. 20):

Same as List 1 except arrow is used with word Phone.

(c) KS-20125, List 3 mounting bracket (Fig. 20):

- Mounts either the List 1 or 2 signs to a vertical surface
- Bracket not furnished and must be ordered separately
- Fasteners for securing sign to bracket are furnished with bracket but mounting hardware must be ordered separately to suit mounting conditions.



Fig. 19—KS-20125, List 1 Sign

G. KS-21823 Signs

2.13 Two signs are available (Fig. 21 and 22).

(a) KS-21823, List 1:

12-inch long handset

White reflective material.

(b) KS-21823, List 2:

12-inch long handset



Fig. 20—KS-20125, List 2 Sign and KS-20125, List 3 Sign Bracket

Blue reflective material.

2.14 These signs have the following features:

- Shaped like a handset
- Made of reflective scotchlite material
- Adhesive backed
- Intended for indoor or outdoor use; primarily for the KS-20842, List 31 coin telephone housing (Fig. 22).

3. INSTALLATION

A. KS-19945 Signs

3.01 These signs are adhesive backed. To install peel off the paper backing and stick on.

B. KS-20063 Signs

3.02 These signs can be mounted at right angle to.

(a) A flat surface (Fig. 23):

Use hardware per Table A to suit mounting conditions.

(b) Metal pole (Fig. 24):

Use No. 170- or 188-type brackets

Refer to Fig. 24, 25 and Table B for complete description of brackets.

(c) A corner (Fig. 26):

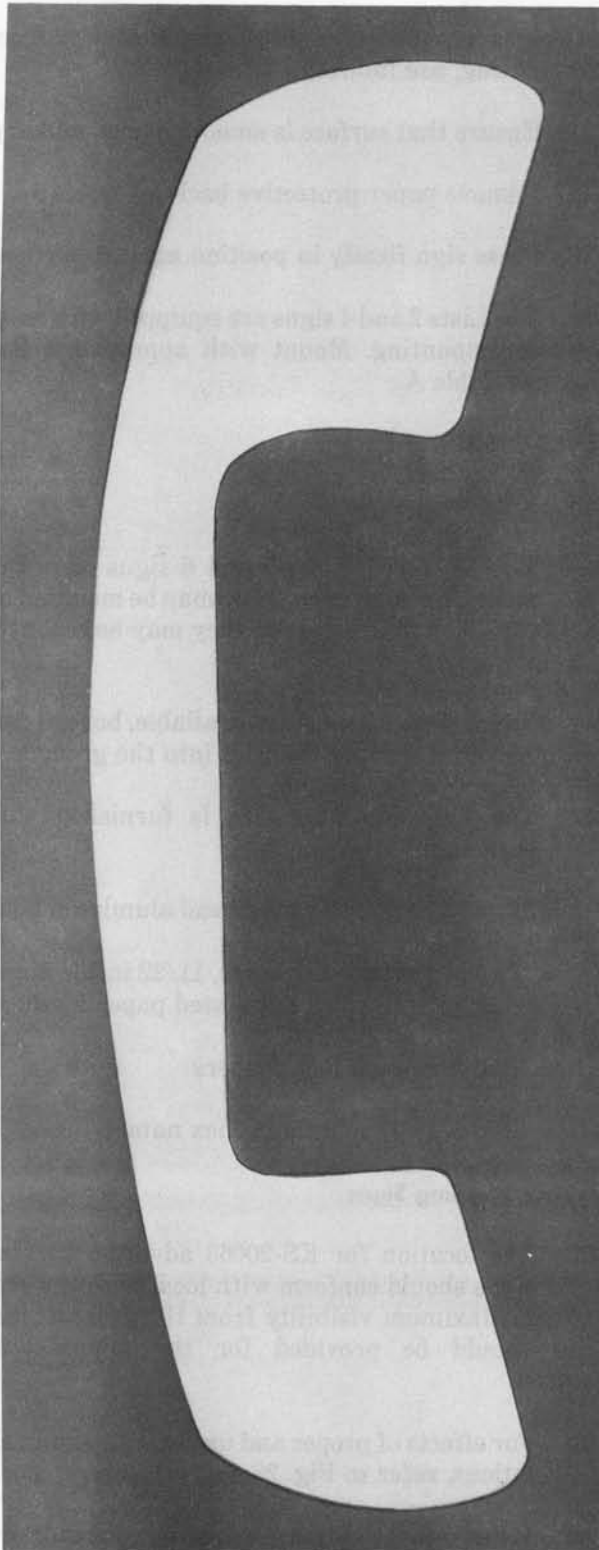


Fig. 21—KS-21823, List 1 Sign

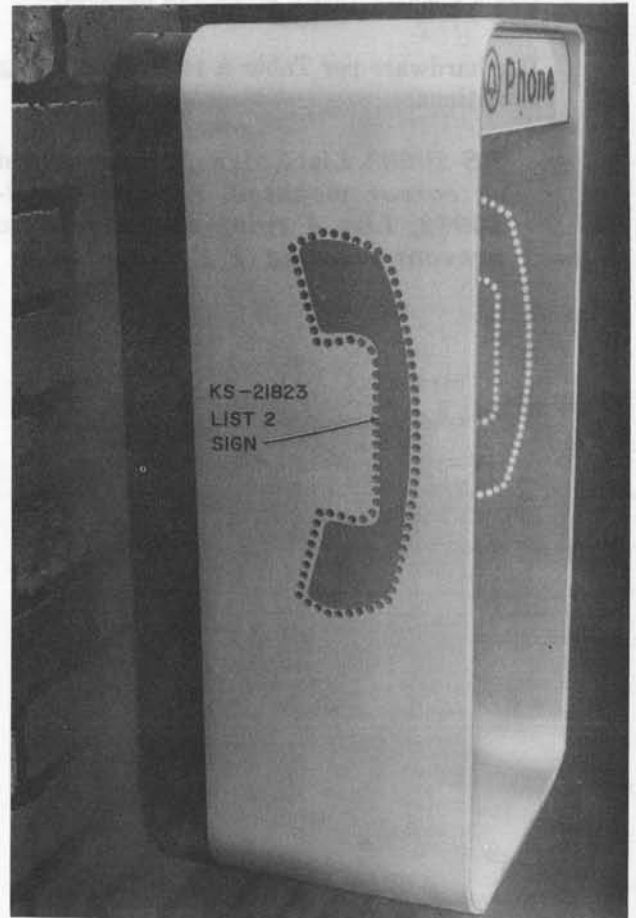


Fig. 22—KS-20842, List 31 Housing With KS-21823, List 2 Sign Installed

Use KS-20063, List 5 mounting brackets

Use hardware per Table A to suit mounting conditions.



KS-20063, List 3 signs, pole mounted or corner mounted, require a KS-20063, List 4 reinforcing plate to prevent buckling (Fig. 24 and 25.)



Fig. 23—KS-20063 Sign, Wall-Mounted

(d) List 170 or 176 mast (Fig. 27):

Use KS-20063, List 7 or 8 mounting bracket

Use hardware per Table A to suit mounting conditions.

C. KS-20064 Signs

3.03 The KS-20064 signs are designed for mounting to flat surfaces.

3.04 The Lists 1, 3, 7, 8, 9A, 10A, 11A, 12A, 13A, 14, 15, 16, 17, and 18 signs have pressure-sensitive adhesive on back for mounting. The Lists 5

and 6 signs have pressure-sensitive adhesive on front for mounting, use following procedure.

- (1) Ensure that surface is smooth, clean, and dry.
- (2) Remove paper protective backing.
- (3) Press sign firmly in position against surface.

3.05 The Lists 2 and 4 signs are equipped with holes for mounting. Mount with appropriate fastener per Table A.

D. KS-20065 Signs

Walk-up, Drive-up Signs

3.06 The KS-20065, Lists 5 and 6 signs have two mounting holes each. They may be mounted on a KS-20065, List 7 or 8 post or they may be mounted on a flat surface.

Note: Driving caps are available, but not furnished, for driving the post into the ground.

3.07 The following hardware is furnished with each sign:

- Two 5/16-18 by 2 round head aluminum bolts
- Two 5/8 outside diameter, 11/32 inside diameter by 1/16 thick laminated paper washer
- Two 5/16-inch lockwashers
- Two 5/16-18 aluminum hex nuts.

Advance Warning Signs

3.08 The location for KS-20065 advance warning signs should conform with local highway regulations. Maximum visibility from the greatest distance should be provided for the approaching motorist.

3.09 For effects of proper and improper sign installations, refer to Fig. 28.

3.10 When excessive glare from the face of the signs affects its legibility, turn sign slightly away from road as illustrated in Fig. 29.

3.11 The KS-20065 signs are equipped with mounting screws, nuts, and washers. Two KS-20065

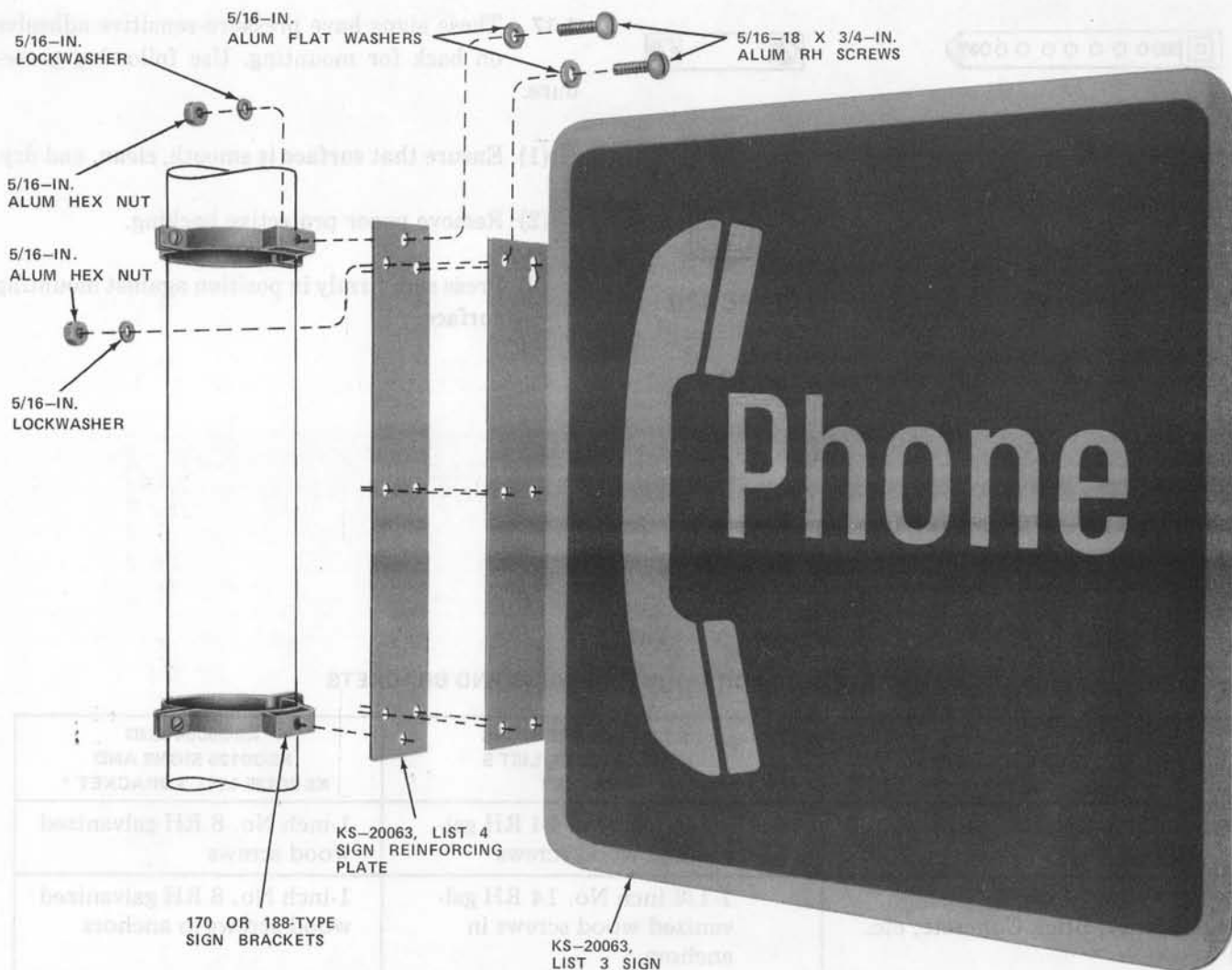


Fig. 24—KS-20063, List 3 Sign, Pole Mounted

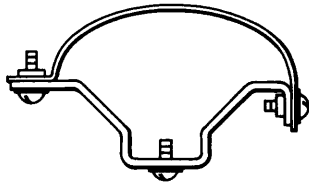
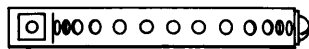
sign mounting posts are required for each advance warning sign. These posts are available in lengths of 9 or 11 feet. The required length of the mounting posts and the depth to which they shall be placed will vary with local soil conditions. The posts should be placed to a depth sufficient to hold sign rigidly at an angle which provides maximum visibility. This usually is at right angles to the traffic.

3.12 Install KS-20065 signs in accordance with Fig. 30.

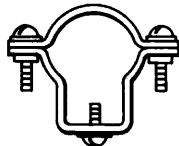
E. KS-20125 Signs

- 3.13** These signs may be mounted on flat surfaces or perpendicular to a wall (Fig. 19 or 20).
- 3.14** Remove appropriate knockouts for mounting.
- 3.15** Use hardware per Table A to suit mounting conditions.
- 3.16** Use KS-20125, List 3 mounting bracket (must be ordered separately) when installing perpendicular to a wall (Fig. 20).

F. KS-21823 Signs



TYPE 188



TYPE 170



3.17 These signs have pressure-sensitive adhesive on back for mounting. Use following procedure.

- (1) Ensure that surface is smooth, clean, and dry.
- (2) Remove paper protective backing.
- (3) Press sign firmly in position against mounting surface.

Fig. 25—170- and 188-Type Sign Brackets

TABLE A
FASTENERS FOR MOUNTING SIGNS AND BRACKETS

SURFACE	KS-20063 TYPE SIGNS AND KS-20063, LIST 5 BRACKET	KS-20064 AND KS-20125 SIGNS AND KS-20125 LIST 3 BRACKET *
Wood or Metal Sheath on Wood	1-1/4 inch No. 14 RH gal- vanized wood screws	1-inch No. 8 RH galvanized wood screws
Masonry, Brick Concrete, etc.	1-1/4 inch No. 14 RH gal- vanized wood screws in anchors	1-inch No. 8 RH galvanized wood screws in anchors
Solid Metal	1/2 inch No. 1/4 by 20 steel cadmium machine screws. Use No. 7 drill and No. 1/4 by 20 screw tap.	
Metal Sheath on Furring or Other Framework	Appropriate size screw an- chors or 1/4 x 4-inch RH toggle bolts. Make 3/4-inch hole for toggle bolts.	Appropriate size anchors or 3/16 x 4-inch RH toggle bolts. Make 5/8-inch hole for toggle bolts.
Hollow Tile, Plastered, Wire Lath, Plastered		
Wood Lath, Plastered	Appropriate size screw anchors	Four 1-1/2-inch No. 8 RH galvanized wood screws
Masonry, Plastered	2-inch No. 14 RH galvanized wood screws in anchors	2-inch No. 8 RH galvanized wood screws in anchors

* Use No. 8 FH screws for mounting bracket.

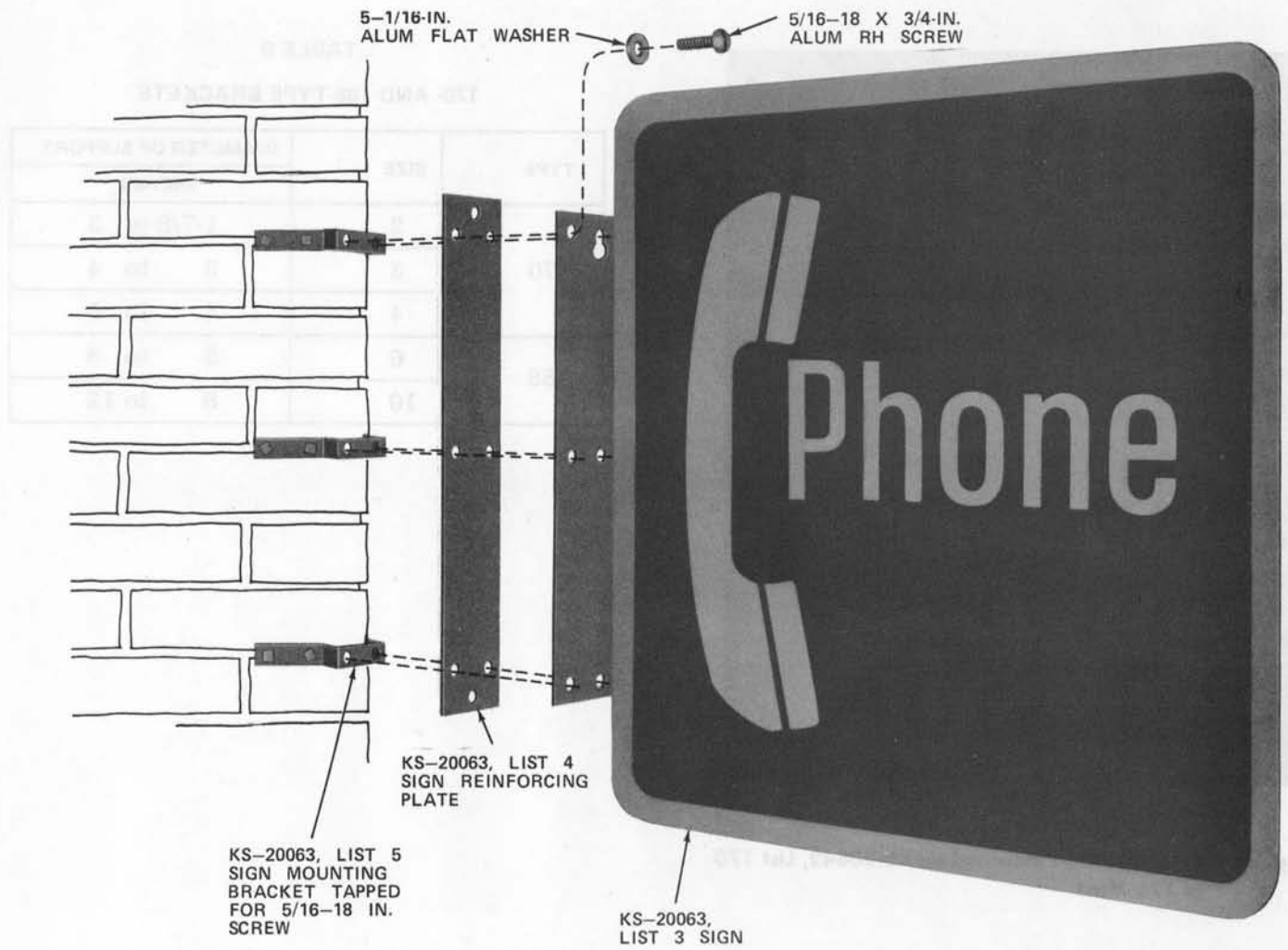


Fig. 26—KS-20063, List 3 Sign, Corner Mounted

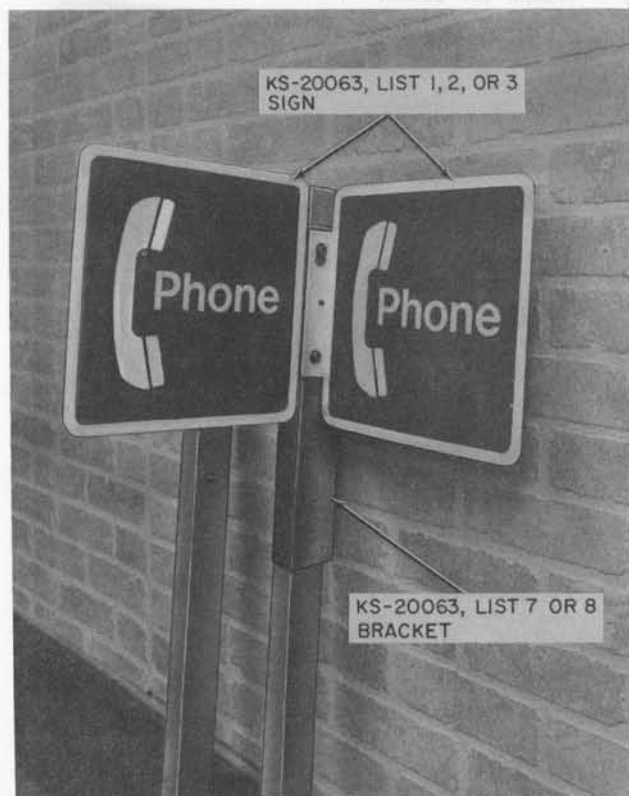
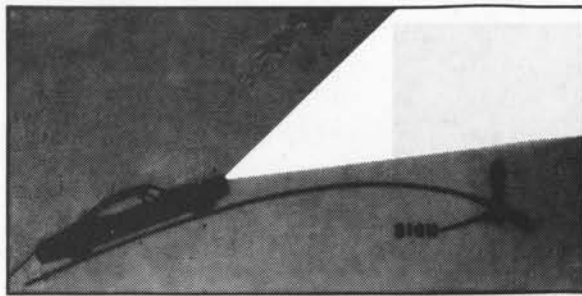


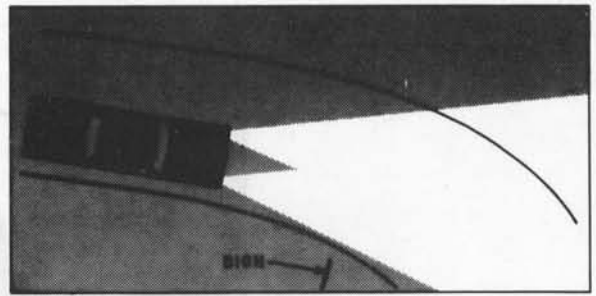
Fig. 27—KS-20063 Sign Mounted on KS-20842, List 170 or 176 Mast

TABLE B
170- AND 188-TYPE BRACKETS

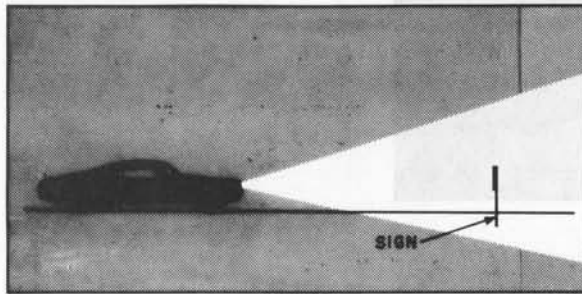
TYPE	SIZE	DIAMETER OF SUPPORT
		INCHES
170	2	1-7/8 to 3
	3	3 to 4
	4	4 to 5
188	6	5 to 8
	10	8 to 12



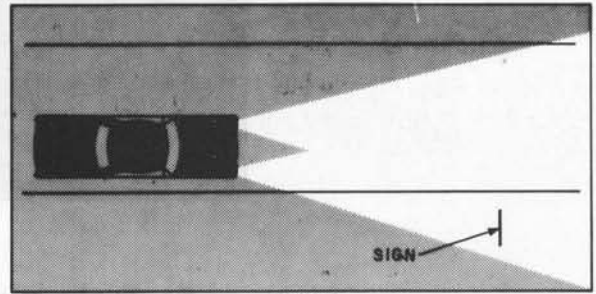
WRONG



WRONG



RIGHT



RIGHT

Fig. 28—Selection of Location for KS-20065 Advance Warning Sign



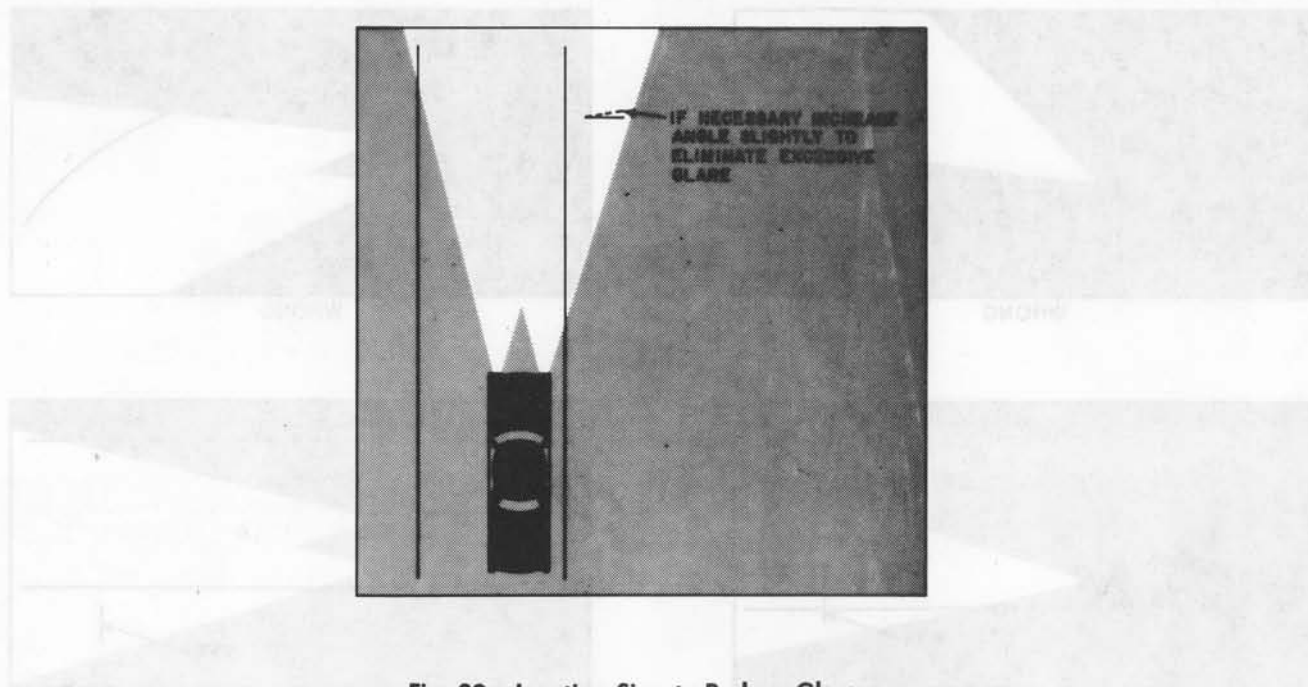


Fig. 29—Locating Sign to Reduce Glare

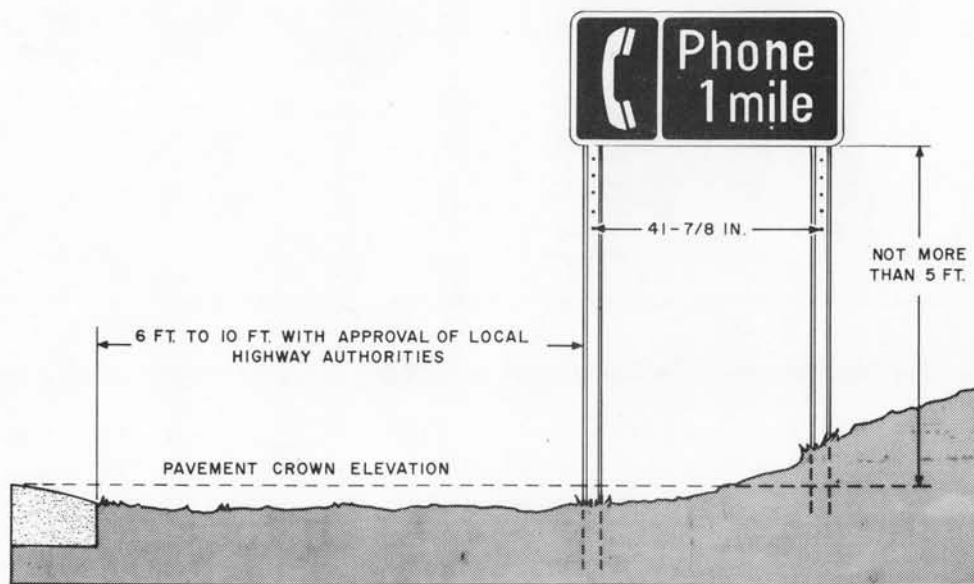


Fig. 30—KS-20065, List 1 Installation