

## 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-20063, Lists 9, 10, 11, and 12 Charge-a-Call signs (Fig. 4)
- Add KS-20125, List 4 Charge-a-Call sign (Fig. 23)
- Add KS-20063, List 13 Phone from car sign (Fig. 5)
- Revise and add illustrations.

### 2. IDENTIFICATION

#### A. KS-19945 Signs

2.01 Two signs are available (Fig. 1) as follows:

(a) KS-19945, List 7:

- 17-3/8 by 2-5/8 inches, single-faced, white graphic on blue background
- 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 ♦Nine♦ signs are available as follows:

(a) KS-20063, List 1 (Fig. 2):

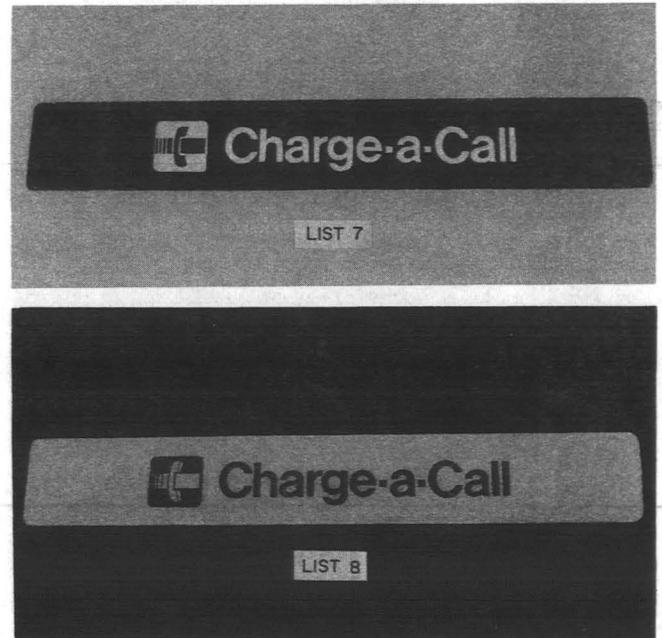


Fig. 1—KS-19945, Lists 7 and 8 Signs

- 12 inches square.
- (b) KS-20063, List 2 (Fig. 2):
  - 18 inches square.
- (c) KS-20063, List 3 (Fig. 2):
  - 24 inches square.
- (d) KS-20063, List 6 (Fig. 3):
  - 7 inches square.
- ♦(e) KS-20063, List 9 (Fig. 4):
  - 7 inches square.
- (f) KS-20063, List 10 (Fig. 4):
  - 12 inches square.

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Fig. 2—KS-20063, List 1, 2, or 3 Sign



Fig. 3—KS-20063, List 6 Sign

(g) KS-20063, List 11 (Fig. 4):

- 18 inches square.

(h) KS-20063, List 12 (Fig. 4):

- 24 inches square.

(i) KS-20063, List 13 (Fig. 5):

- 24 inches square.◀

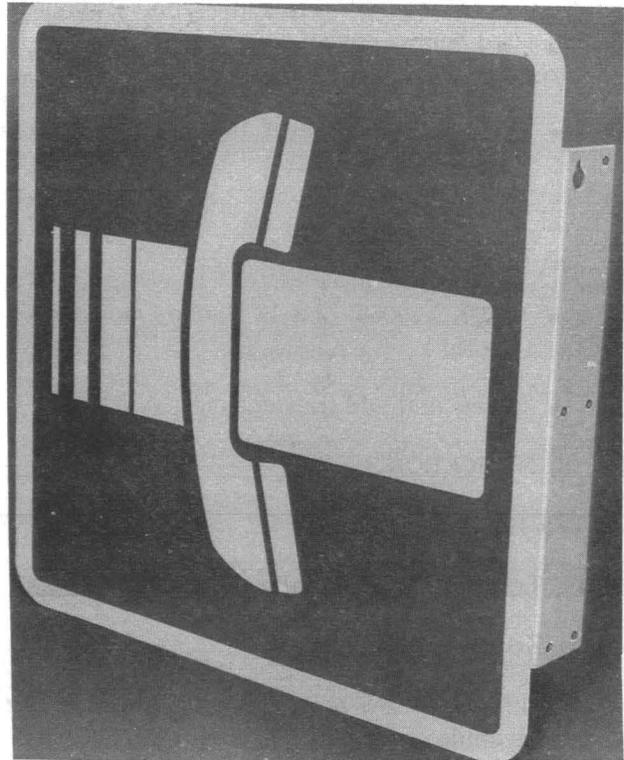


Fig. 4—▶KS-20063, List 9, 10, 11, or 12◀

2.03 These signs have the following features:

- Consist of aluminum sheet
- Have blue background with white graphics
- Are lettered on both sides
- Are flanged for fastening to a vertical surface
- Are for indoor or outdoor use.

2.04 Four accessories are available as follows:



Fig. 5—KS-20063, List 13 Sign

- (a) KS-20063, List 4 sign reinforcing plate (Fig. 27 and 29):
- Used with List 3, 12, or 13 sign when sign is pole mounted or mounted with List 5 brackets.
- (b) KS-20063, List 5 sign mounting bracket (Fig. 29):
- Used when either of the signs is mounted on a corner.
- (c) KS-20063, List 7 sign mounting bracket (Fig. 30):
- Clear anodized aluminum
  - Intended for use with KS-20063, List 1, 2, 3, 10, 11, 12, or 13 sign on KS-20842 SENTRY\* public telephone enclosure List 170 or 176 mast
  - Designed to accommodate either one or two phone signs.

\*Trademark of Western Electric.

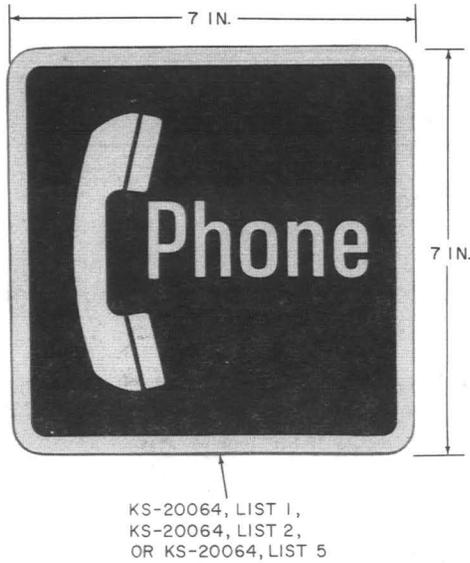
- (d) KS-20063, List 8 sign mounting bracket (Fig. 30):
- Same as the KS-20063, List 7 except the List 8 is black in color.

### C. KS-20064 Signs

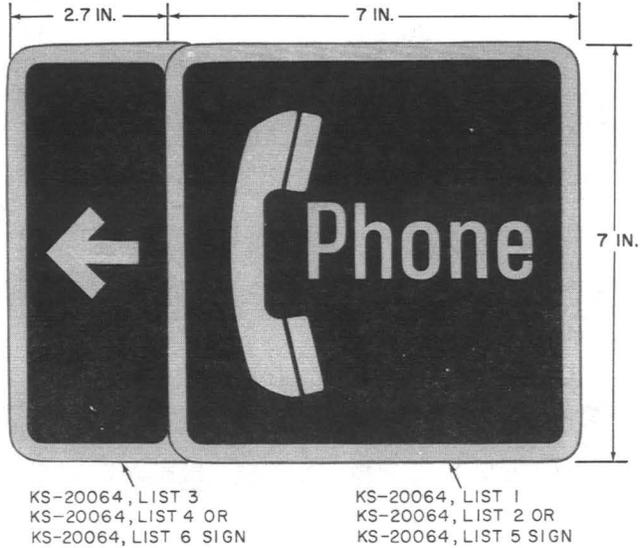
2.05 The KS-20064 signs are replacements for the KS-19027 signs which are rated manufacture discontinued (MD).

2.06 Eighteen signs are available as follows:

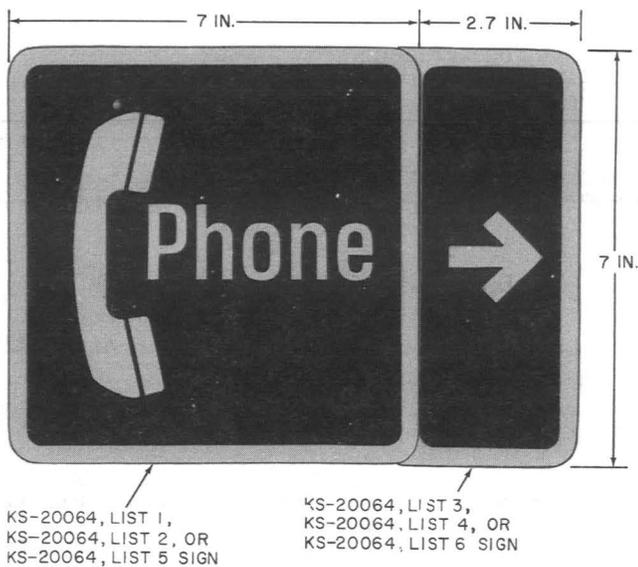
- (a) KS-20064, List 1 (Fig. 6):
- 7 inches square
  - Vinyl decal lettered on one side
  - Intended for indoor or outdoor use
  - Has pressure sensitive adhesive on back for mounting to flat smooth surface
  - Has white handset and word Phone on blue background.
- (b) KS-20064, List 2 (Fig. 6):
- 7 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.
- (c) KS-20064, List 3 (Fig. 7 and 8):
- 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 any of the four sides of sign.
- (d) KS-20064, List 4 (Fig. 7 and 8):
- Rectangular anodized aluminum sheet



**Fig. 6—KS-20064, List 1, 2, or 5 Sign**



**Fig. 8—KS-20064 Sign-Arrow Left**



**Fig. 7—KS-20064 Sign-Arrow Right**

- White graphics 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. 6):

- 7 inches square
- Square decal lettered on one side
- Write graphics 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. 7 and 8):

- Rectangular decal lettered on one side
- Write graphics on blue background
- 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 any of the four sides of sign
  - Translucent allowing sign to be back-lighted.
- (g) KS-20064, List 7 (Fig. 9):
- 7-inch square vinyl decal, single-faced, white graphics on blue background
  - Has pressure sensitive adhesive on back side
  - Intended for indoor use.
- (h) KS-20064, List 8 (Fig. 10):
- 7-inch square vinyl decal, single-faced, white graphics on blue background
  - Has pressure sensitive adhesive on back side
  - Intended for indoor use.



Fig. 9—KS-20064, List 7 Sign



Fig. 10—KS-20064, List 8 Sign

- (i) KS-20064, List 9A (Fig. 11):
- 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
  - Intended for wall mounting at coinless public telephone facilities.
- (j) KS-20064, List 10A (Fig. 11):
- 3 by 15 inches
  - Other features same as List 9A.
- (k) KS-20064, List 11A (Fig. 12):
- 6-1/4 by 7 inches, single-faced, white graphics on blue background
  - Lexan material
  - Charge-a-Call directional logo, arrow left
  - Has pressure sensitive adhesive on back side

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- Intended for wall mounting in the vicinity of coinless public telephone facilities.

(l) KS-20064, List 12A (Fig. 13):

- Same as List 11A except has arrow right.

(m) KS-20064, List 13A:

- Same as List 18 (Fig. 14) except has white graphics on blue background
- 5-3/8 inches square, single-faced, white graphics on blue background
- Lexan material
- 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 (Fig. 10) except has blue graphics on white background.

(o) KS-20064, List 15:

- Same as List 10A (Fig. 11) except has blue graphics on white background.

(p) KS-20064, List 16:

- Same as List 11A (Fig. 12) except has blue graphics on white background.

(q) KS-20064, List 17:

- Same as List 12A (Fig. 13) except has blue graphics on white background.

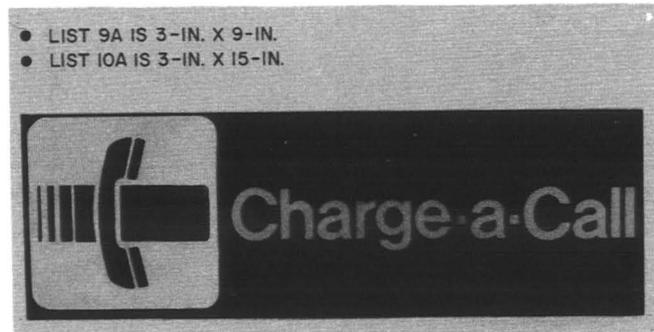
(r) KS-20064, List 18 (Fig. 14):

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

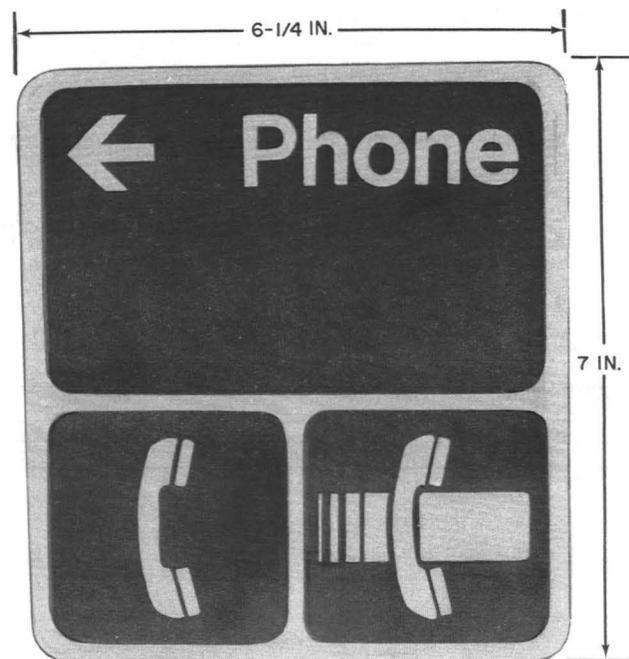
**D. KS-20065 Signs**

**2.07** KS-20065 signs are for the following purposes:

- Walk-up, Drive-up Signs
- Advance Warning Signs.



**Fig. 11—KS-20064, List 9A or 10A Sign**



**Fig. 12—KS-20064, List 11A Sign**

**Walk-up, Drive-up Signs**

**2.08** Two signs are available as follows:

(a) KS-20065, List 6 (Fig. 15):

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

(b) KS-20065, List 5 (Fig. 16):

- Intended for use at drive-up installations.

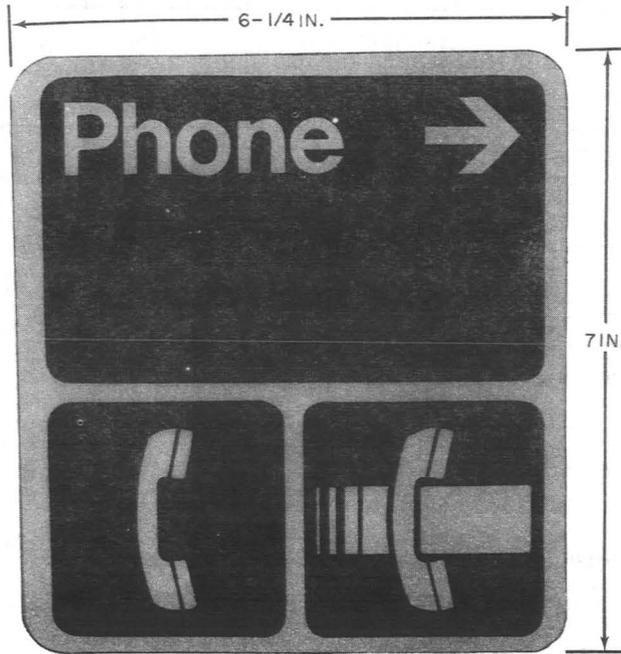


Fig. 13—KS-20064, List 12A Sign

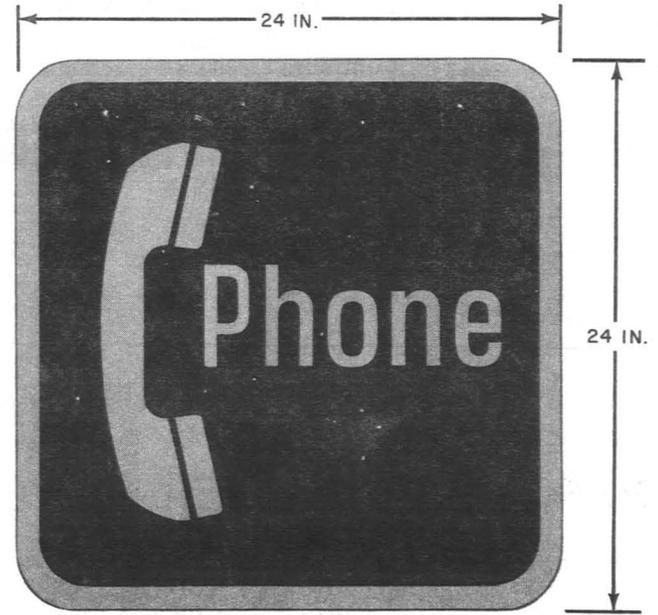


Fig. 15—KS-20065, List 6 Sign

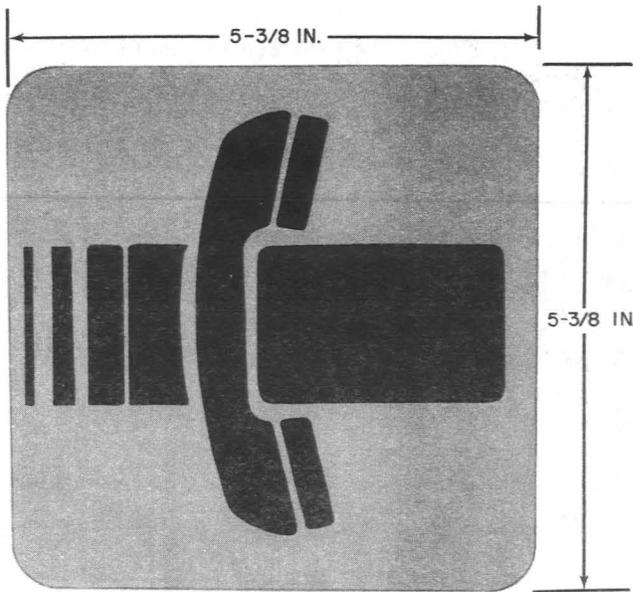


Fig. 14—KS-20064, List 18 Sign

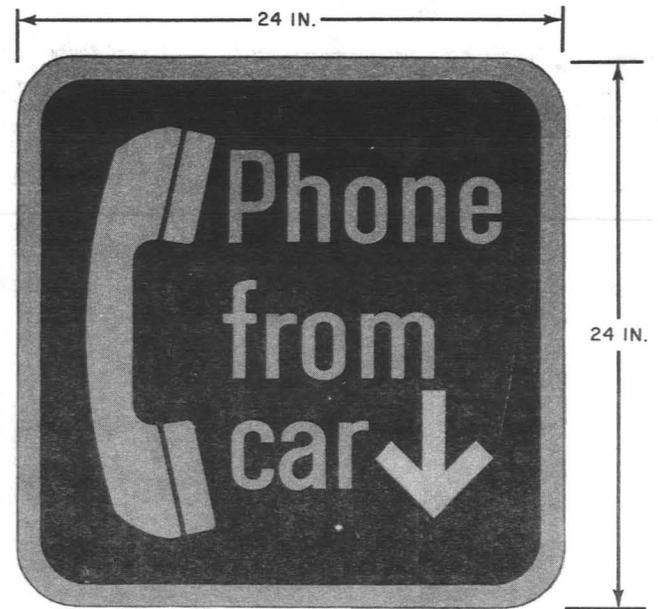


Fig. 16—KS-20065, List 5 Sign

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
- Designed to mount on 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).

**Advance Warning Signs**

2.10 Four signs are available as follows:

- KS-20065, List 1 (Fig. 17)
- KS-20065, List 2 (Fig. 18)
- KS-20065, List 3 (Fig. 19)
- KS-20065, List 4 (Fig. 20).

2.11 These signs have the following features:

- Are intended for use along highways
- Consist of aluminum sheet
- Have white reflective graphics on blue background
- 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).

**E. KS-20125 Signs and Mounting Bracket**

2.12 Three signs and one bracket are available as follows:

(a) KS-20125, List 1 sign (Fig. 21):

- Anodized aluminum sheet
- Has white graphics on blue background on both sides
- Knockouts are provided for mounting



Fig. 17—KS-20065, List 1 Sign



Fig. 18—KS-20065, List 2 Sign

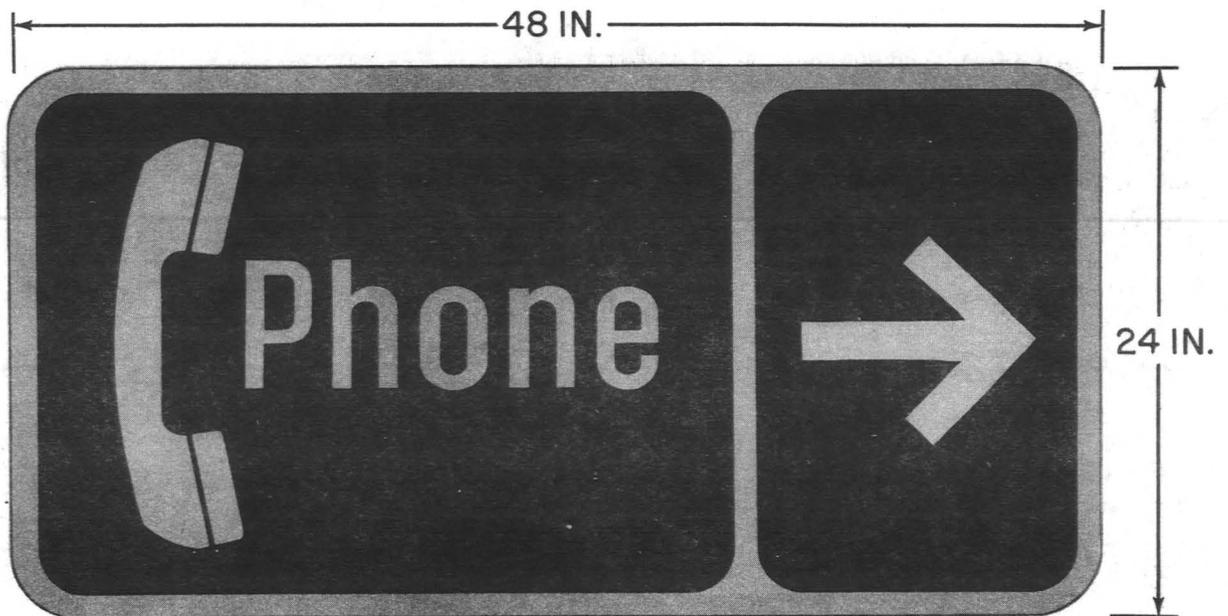


Fig. 19—KS-20065, List 3 Sign

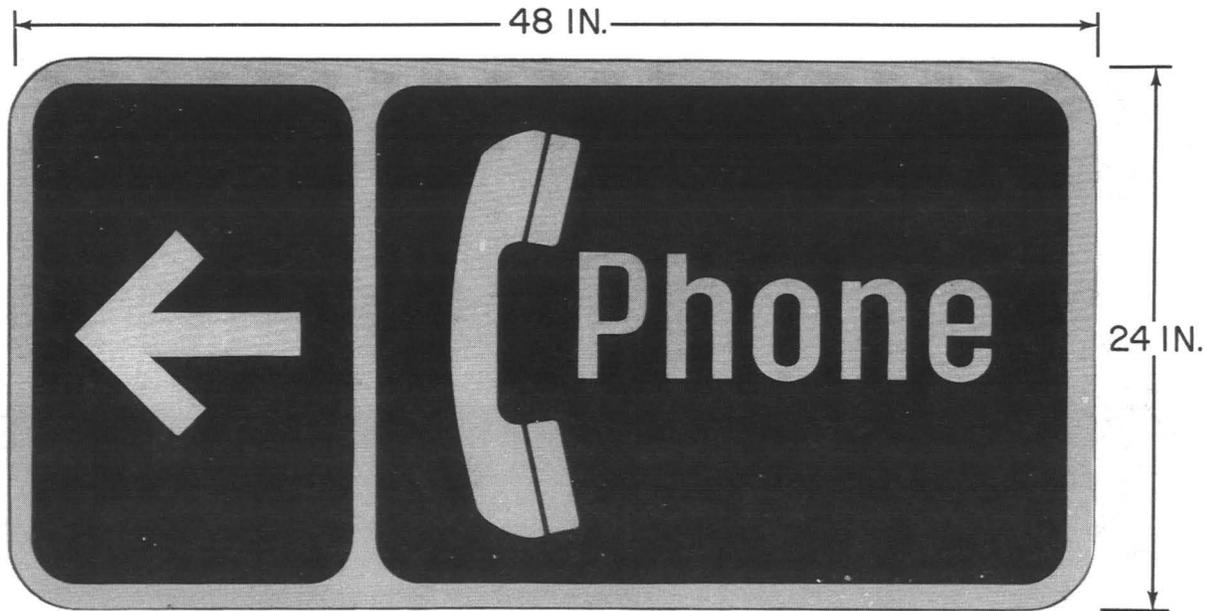


Fig. 20—KS-20065, List 4 Sign

- For indoor or outdoor use
  - 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. 22):
- Same as List 1 except arrow is used with word Phone.
- (c) KS-20125, List 3 mounting bracket (Fig. 22):
- Mounts either the List 1, 2, or 4 sign 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.
- ◆(d) KS-20125, List 4 sign (Fig. 23):
- Anodized aluminum sheet

- Has white graphics on blue background on both sides
- Knockouts are provided for mounting
- For indoor or outdoor use.◆

#### F. KS-21823 Signs

2.13 Two signs are available as follows:

(a) KS-21823, List 1 (Fig. 24):

- 12-inch long handset
- White reflective material.

(b) KS-21823, List 2 (Fig. 25):

- 12-inch long handset
- Blue reflective material.

2.14 These signs have the following features:

- Shaped like a handset
- Made of reflective scotchlite material
- Adhesive backed

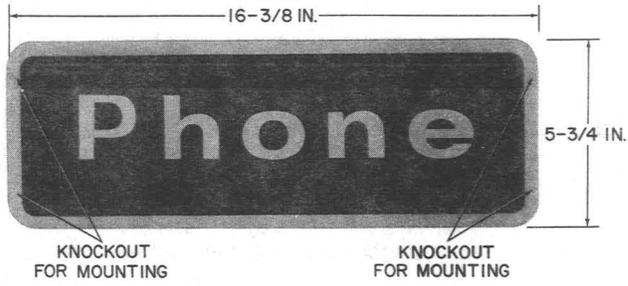


Fig. 21—KS-20125, List 1 Sign

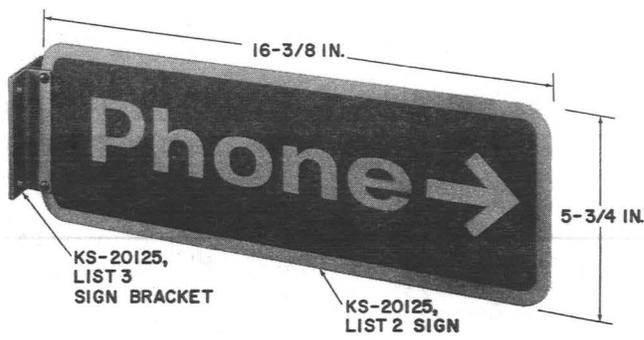


Fig. 22—KS-20125, List 2 Sign and KS-20125, List 3 Sign Bracket



Fig. 23—KS-20125, List 4 Sign

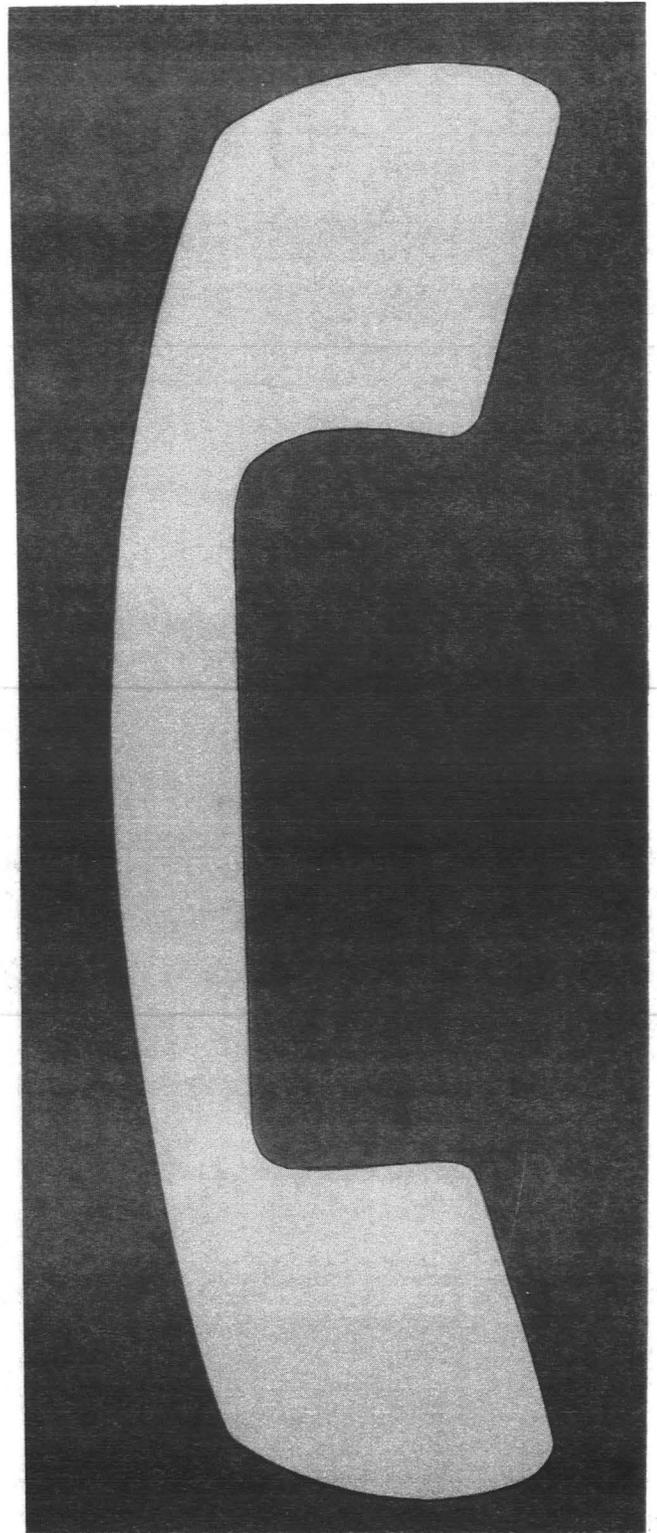


Fig. 24—KS-21823, List 1 Sign

- Intended for indoor or outdoor use; primarily for the KS-20842, List 31 coin telephone housing (Fig. 25).

**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 the following:

(a) A flat surface (Fig. 26):

- Use hardware per Table A to suit mounting conditions.

(b) Metal pole (Fig. 27):

- Use No. 170- or 188-type brackets
- Refer to Fig. 27, 28 and Table B for complete description of brackets.

(c) A corner (Fig. 29):

- Use KS-20063, List 5 mounting brackets
- Use hardware per Table A to suit mounting conditions.



*KS-20063, Lists 3, 12, and 13 signs, pole mounted or corner mounted, require a KS-20063, List 4 reinforcing plate to prevent buckling (Fig. 27 and 29.)*

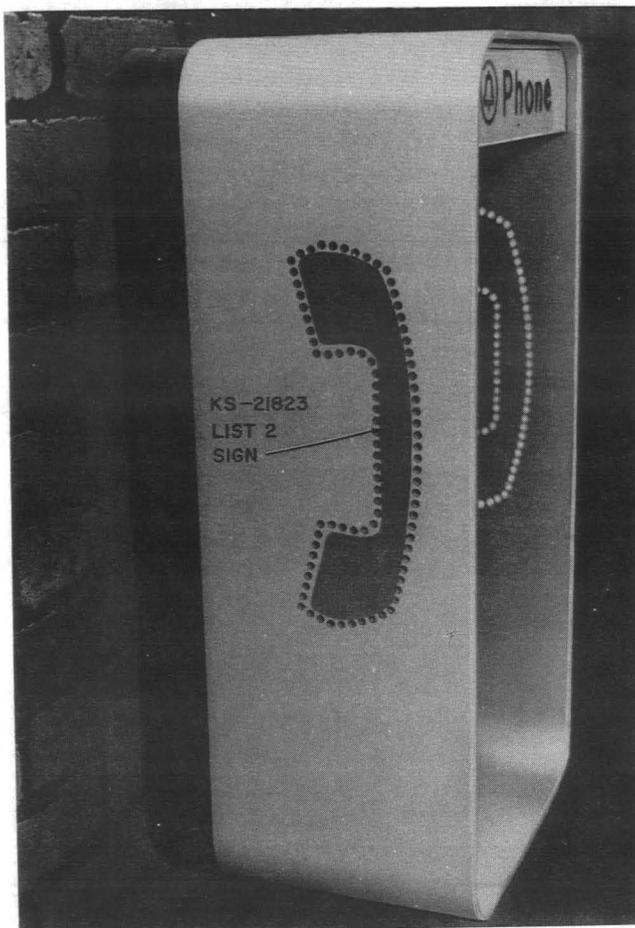
(d) List 170 or 176 mast (Fig. 30):

- Use KS-20063, List 7 or 8 mounting bracket
- Use hardware per Table A to suit mounting conditions.

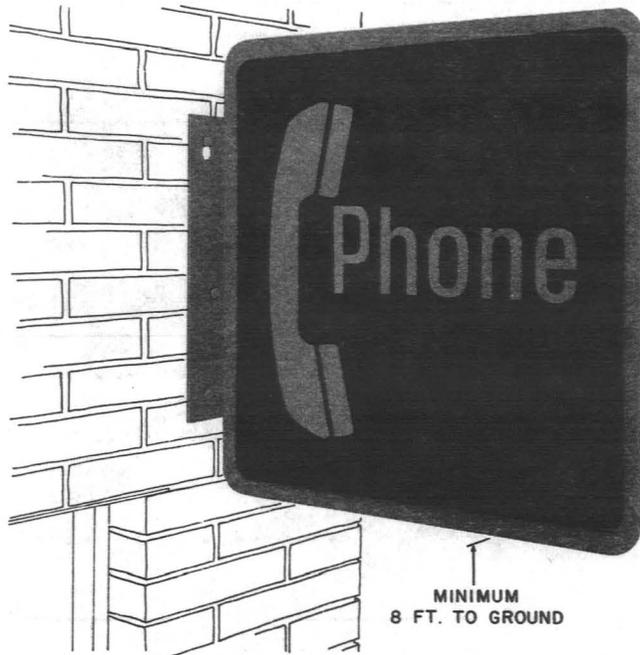
**C. KS-20064 Signs**

**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



**Fig. 25—KS-20842, List 31 Housing With KS-21823, List 2 Sign Installed**



**Fig. 26—KS-20063 Sign, Wall-Mounted**

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 post (9 feet long); KS-20065, List 8 post (11 feet long); or 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 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. 31.

**3.10** When excessive glare from the face of the signs affects its legibility, turn sign slightly away from road as illustrated in Fig. 32.

**3.11** The KS-20065 signs are equipped with mounting screws, nuts, and washers. Two KS-20065 sign mounting posts are required for each advance warning sign. These posts are available in two lengths. The KS-20065, List 7 post is 9 feet long while the KS-20065, List 8 post is 11 feet long. 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. 33.

#### **E. KS-20125 Signs**

**3.13** These signs may be mounted on flat surfaces or perpendicular to a wall (Fig. 21 or 22).

**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. 22).

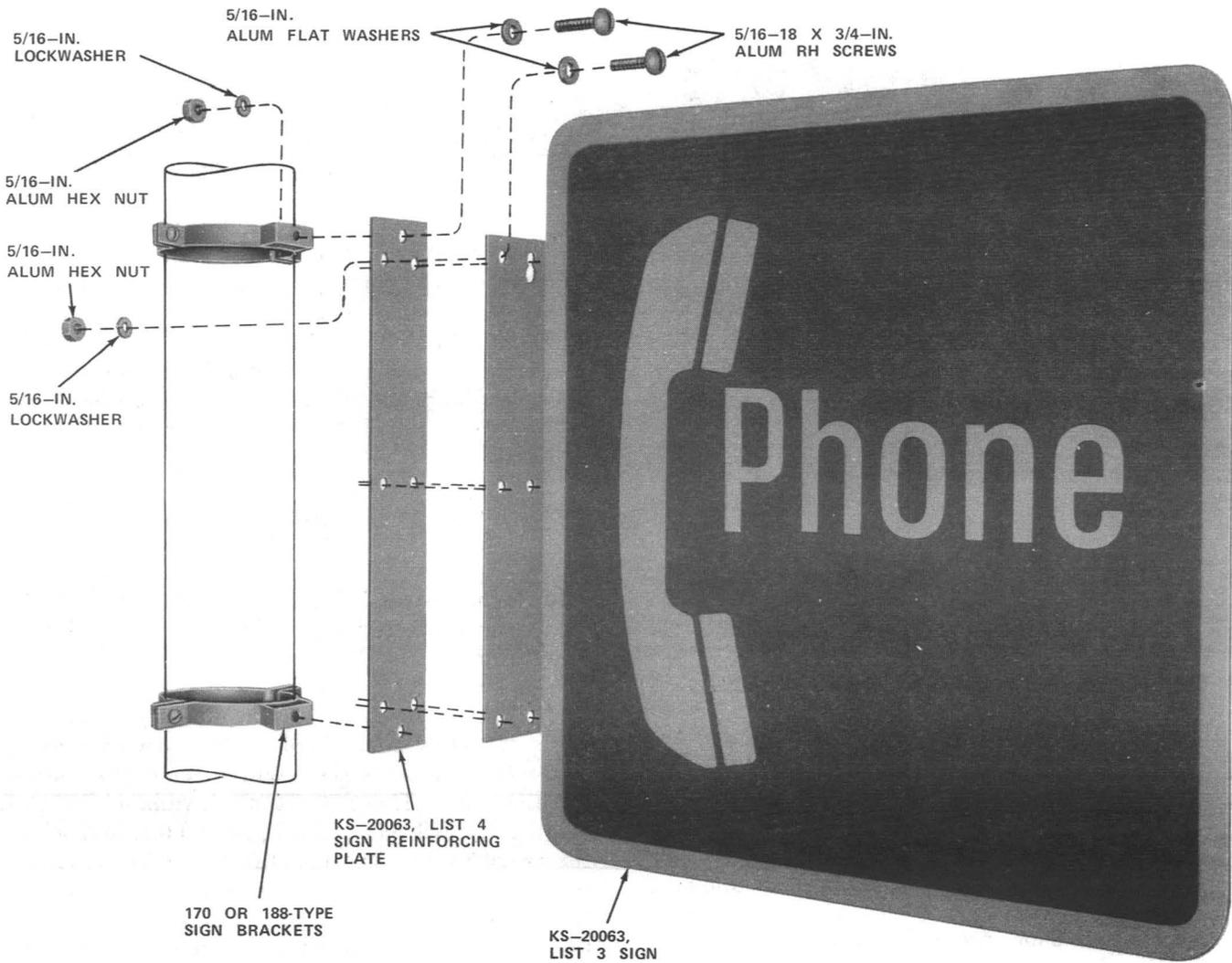


Fig. 27—Typical KS-20063 Sign, Pole Mounted

**F. KS-21823 Signs**

(2) Remove paper protective backing.

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

(1) Ensure that surface is smooth, clean, and dry.

(3) Press sign firmly in position against mounting surface.

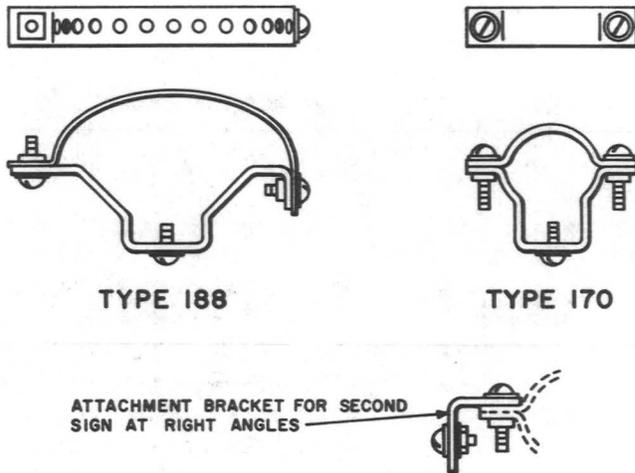


Fig. 28—170- and 188-Type Sign Brackets

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 (NOTE)
Wood or Metal Sheath on Wood	1-1/4 inch No. 14 RH galvanized wood screws	1-inch No. 8 RH galvanized wood screws
Masonry, Brick Concrete, etc.	1-1/4 inch No. 14 RH galvanized 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 anchors 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

**Note:** Use No. 8 flathead screws for mounting bracket.

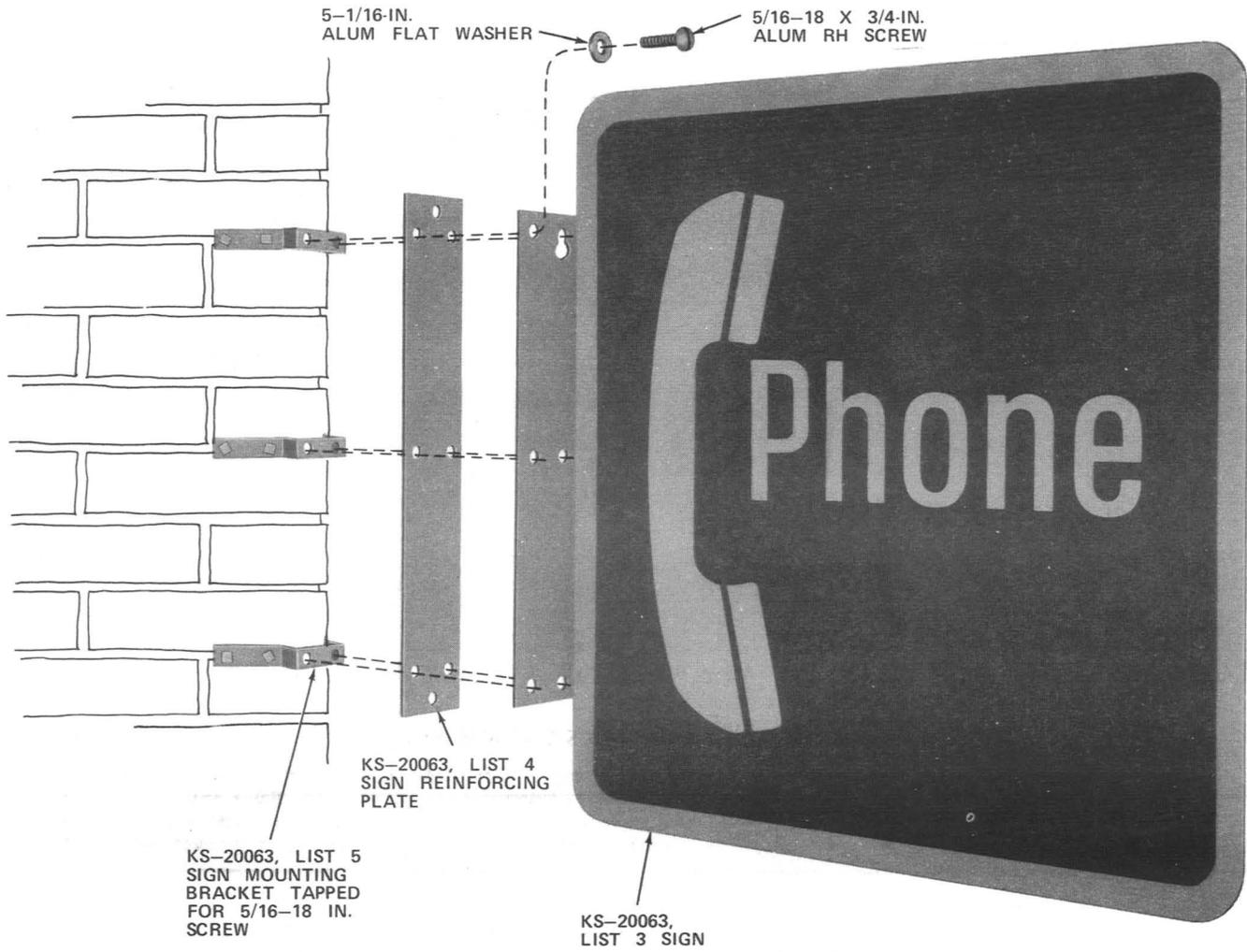


Fig. 29—Typical KS-20063 Sign, Corner Mounted

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

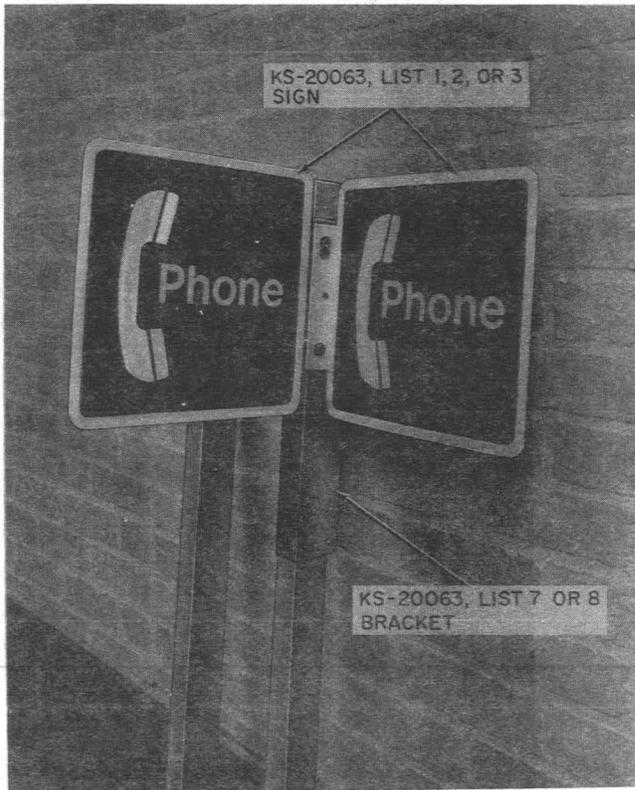
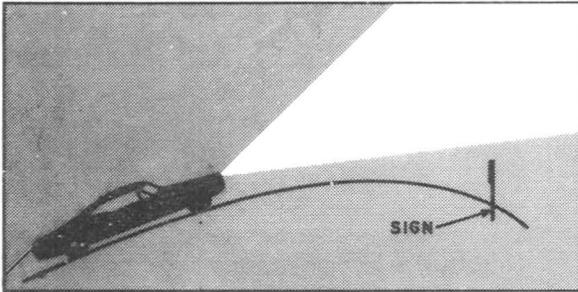
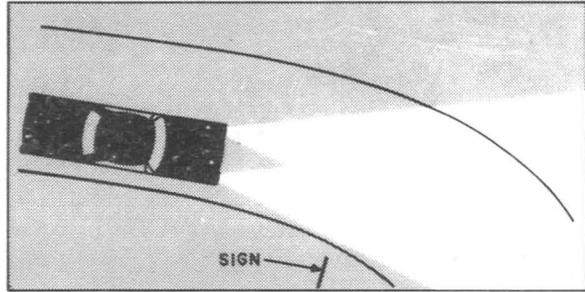


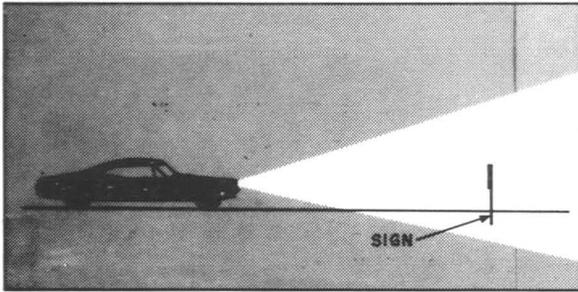
Fig. 30—KS-20063 Sign Mounted on KS-20042, List 170 or 176 Mast



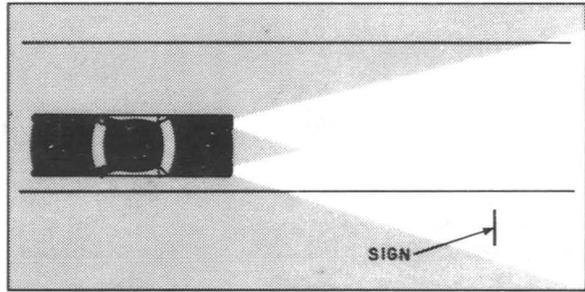
WRONG



WRONG



RIGHT



RIGHT

Fig. 31—Selection of Location for KS-20065 Advance Warning Sign

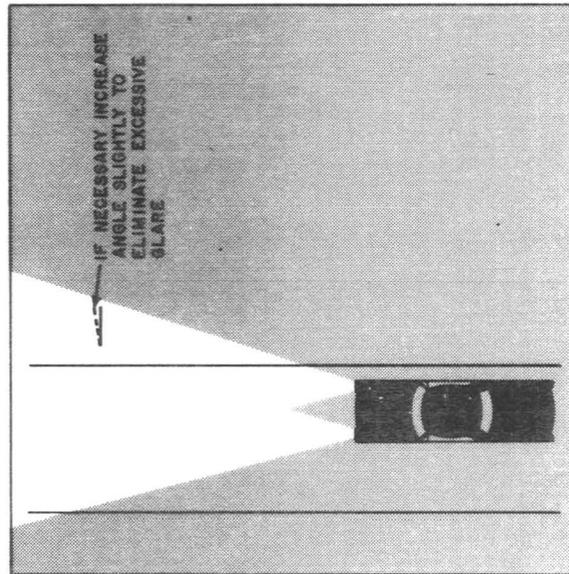


Fig. 32—Locating Sign to Reduce Glare

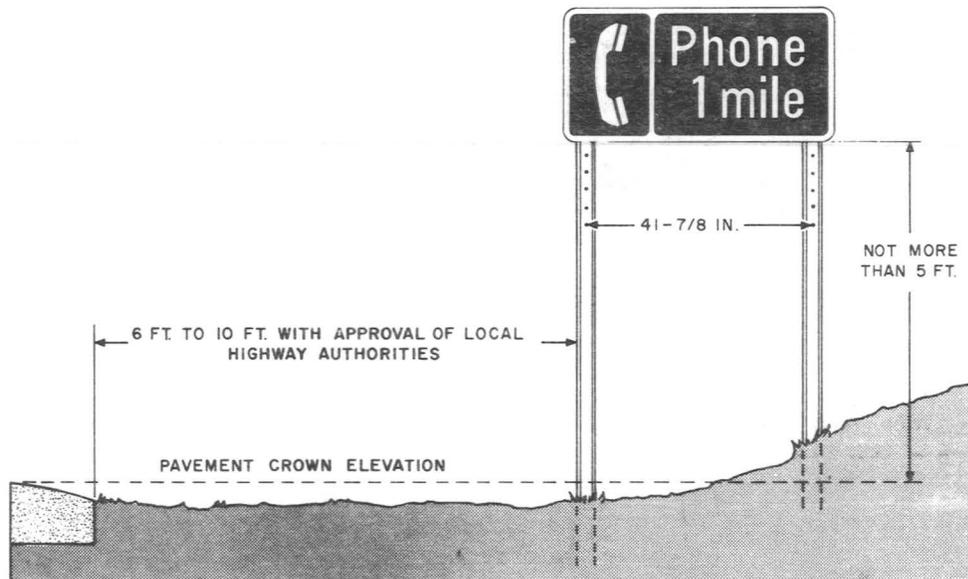


Fig. 33—KS-20065, List 1 Installation