

PHONE SIGNS NONILLUMINATED TYPE

1. GENERAL

- 1.01 This section contains identification and installation information.
- 1.02 This section is resissued to include information on KS-20064, Lists 7 and 8 signs.

KS-20063, LIST NO.	DIMENSION	
	A	B
1	12 IN.	12 IN.
2	18 IN.	18 IN.
3	24 IN.	24 IN.

2. IDENTIFICATION

KS-20063 Signs, Plate, and Mounting Bracket

2.01 Three signs are available (Fig. 1):

- (a) KS-20063, List 1
 - 12 inches square
- (b) KS-20063, List 2
 - 18 inches square
- (c) KS-20063, List 3
 - 24 inches square

2.02 These signs have the following features:

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

2.03 Two accessories are available.



Fig. 1—KS-20063 Sign

- (a) KS-20063, List 4 sign reinforcing plate (Fig. 16 and 18).
 - 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. 18).

NOTICE

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

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

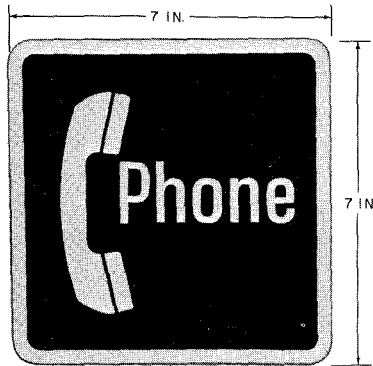
KS-20064 Signs

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

2.05 Eight signs are available.

(a) KS-20064, List 1 (Fig. 2):

- 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.



KS-20064, LIST 1 (VINYL DECAL),
KS-20064, LIST 2
(ANODIZED ALUMINUM),
OR KS-20064, LIST 5
(TRANSLUCENT DECAL) SIGN

Fig. 2—KS-20064, List 1, 2, or 5 Sign

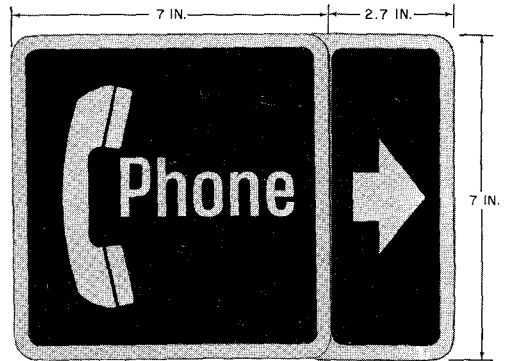
(b) KS-20064, List 2 (Fig. 2):

- 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.

(c) KS-20064, List 3 (Fig. 3 and 4):

- 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.



KS-20064, LIST 1
KS-20064, LIST 2 OR
KS-20064, LIST 5 SIGN

KS-20064, LIST 3 (VINYL DECAL)
KS-20064, LIST 4
(ANODIZED ALUMINUM) OR
KS-20064, LIST 6
(TRANSLUCENT DECAL) SIGN

Fig. 3—KS-20064 Sign-Arrow Right

(d) KS-20064, List 4 (Fig. 3 and 4):

- 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

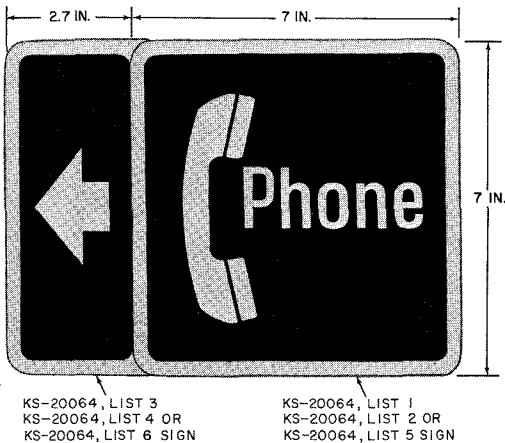


Fig. 4—KS-20064 Sign-Arrow Left

- Hardware not furnished and must be ordered separately to suit mounting conditions.

(e) KS-20064, List 5 (Fig. 2):

- 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. 3 and 4):

- 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. 5):

- 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. 6):

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



Fig. 5—♦KS-20064, List 7 Sign♦

KS-20065 Signs

2.06 KS-20065 signs are for the following purposes:

- Walk-up, Drive-up Signs



Fig. 6—KS-20064, List 8 Sign

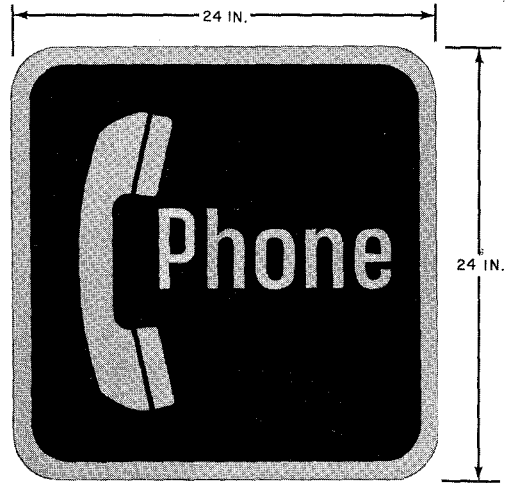


Fig. 7—KS-20065, List 6 Sign

- Advance Warning Signs.

Walk-up, Drive-up Signs

2.07 Two signs are available.

(a) KS-20065, List 6 (Fig. 7).

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

(b) KS-20065, List 5 (Fig. 8).

- Intended for use at drive-up installations.

2.08 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)
- Are lettered on one side only
- Are for indoor or outdoor use
- Were designed to mount on one:

KS-20065, List 7 post (9 feet long)

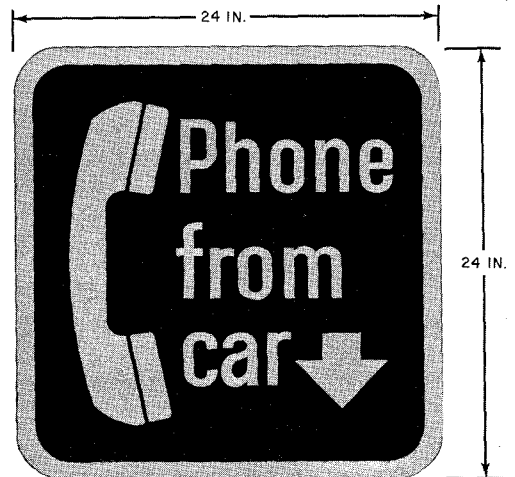


Fig. 8—KS-20065, List 5 Sign

KS-20065, List 8 post (11 feet long)

or any flat surface

- Mounting hardware furnished with sign(s).

Advance Warning Signs

2.09 Four signs are available:

- KS-20065, List 1 (Fig. 9)
- KS-20065, List 2 (Fig. 10)
- KS-20065, List 3 (Fig. 11)
- KS-20065, List 4 (Fig. 12).

2.10 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 also)
- 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).

KS-20125 Signs and Mounting Bracket

2.11 Two signs and one bracket are available.

(a) KS-20125, List 1 sign (Fig. 13):

- 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
- 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. 14).

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



Fig. 9—KS-20065, List 1 Sign



Fig. 10—KS-20065, List 2 Sign

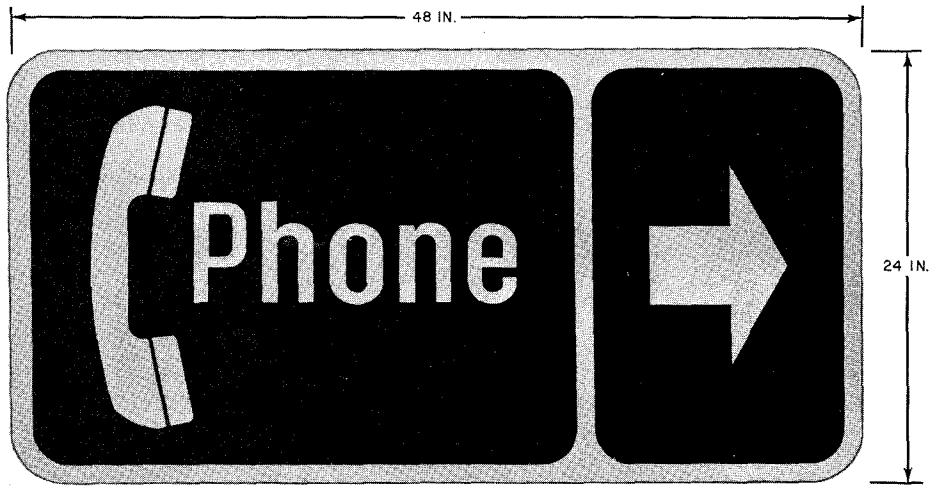


Fig. 11—KS-20065, List 3 Sign



Fig. 12—KS-20065, List 4 Sign

(c) KS-20125, List 3 mounting bracket (Fig. 14):

- 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.

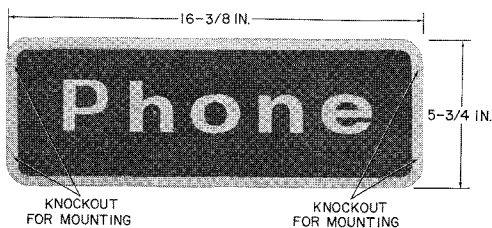


Fig. 13—KS-20125, List 1 Sign

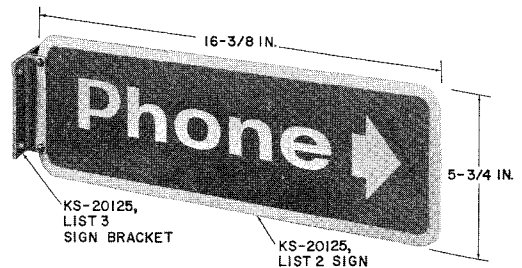


Fig. 14—KS-20125, List 2 Sign and KS-20125, List 3 Sign Bracket

3. INSTALLATION

KS-20063 Signs

3.01 These signs can be mounted at right angle to.

(a) A flat surface (Fig. 15).

- Use hardware per Table A to suit mounting conditions.

(b) Metal pole (Fig. 16):

- Use No. 170- or 188-type brackets
- Refer to Fig. 16, 17, and Table B for complete description of brackets

(c) A corner (Fig. 18):

- 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. 16 and 17.)

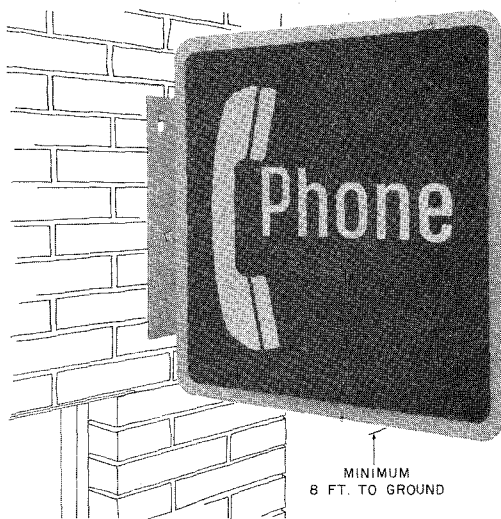


Fig. 15—KS-20063 Sign—Wall-Mounted

KS-20064 Signs

- 3.02** KS-20064 signs are designed for mounting to flat surfaces.
- 3.03** The Lists 1, 3, 7, and 8 signs have pressure-sensitive adhesive on back for mounting. 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.

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

KS-20065 Signs

Walk-up, Drive-up Signs

3.05 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.

3.06 The following hardware is furnished with each sign:

- Two 5/16-18 by 2 Rd Hd Al 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 Al hex nuts.

Advance Warning Signs

3.07 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.

3.08 Fig. 19 illustrates the effects of proper and improper sign installations.

3.09 When excessive glare from the face of the signs affects its legibility, turn sign slightly away from road as illustrated in Fig. 20.

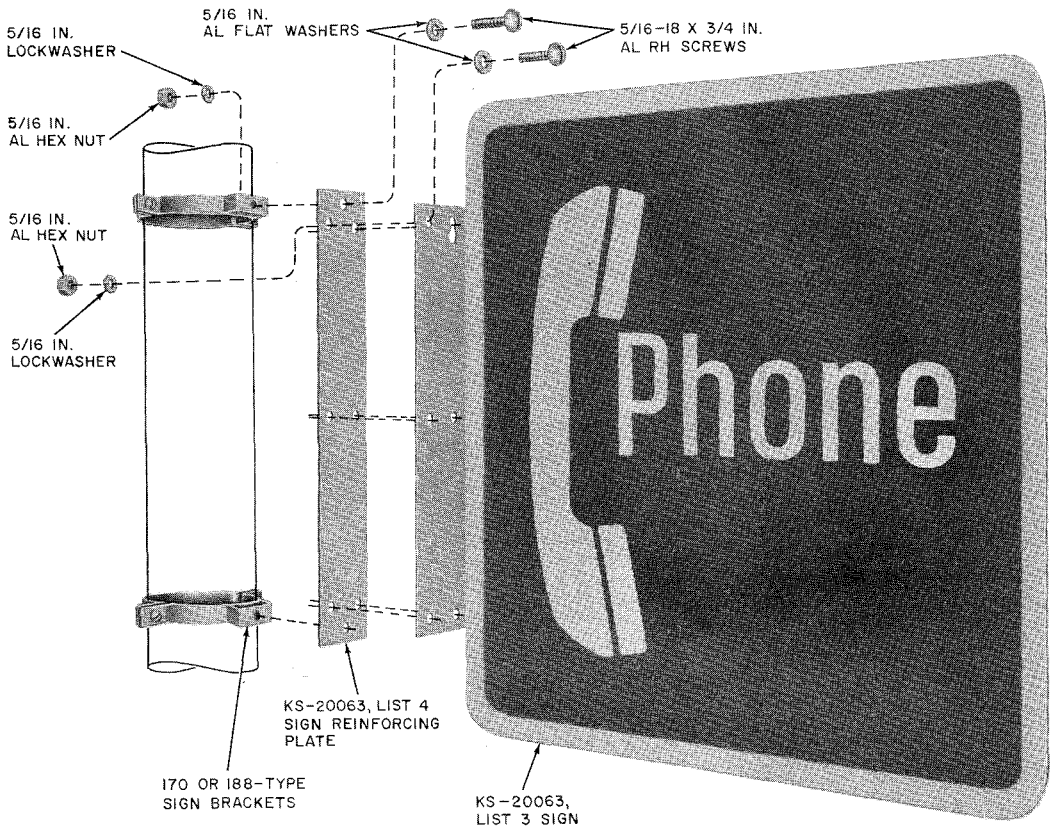


Fig. 16—KS-20063, List 3 Sign—Pole Mounted

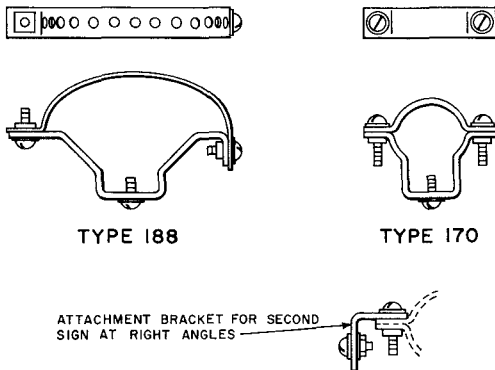


Fig. 17—170- and 188-Type Sign Brackets

3.10 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 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.

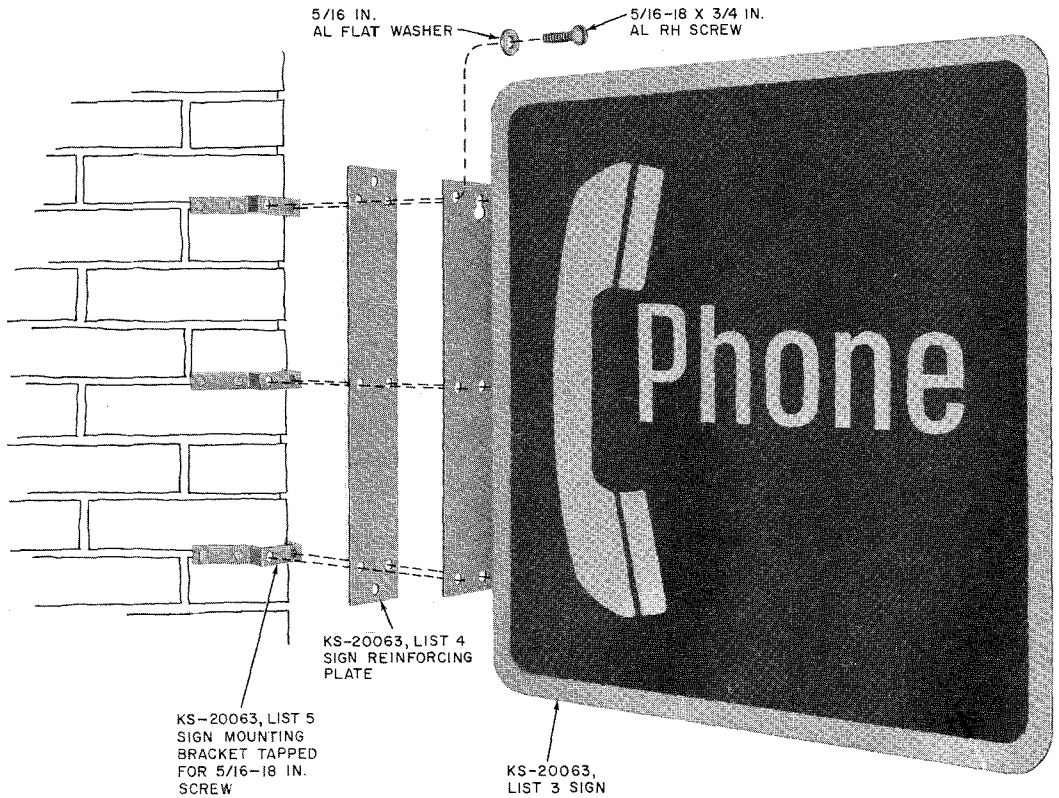


Fig. 18—KS-20063, List 3 Sign—Corner Mounted

3.11 Install KS-20065 signs in accordance with Fig. 21.

KS-20125 Signs

3.12 These signs may be mounted on flat surfaces or perpendicular to a wall (Fig. 13 or 14).

3.13 Remove appropriate knockouts for mounting.

3.14 Use hardware per Table A to suit mounting conditions.

3.15 Use KS-20125, List 3 mounting bracket (must be ordered separately) when installing perpendicular to a wall (Fig. 14).

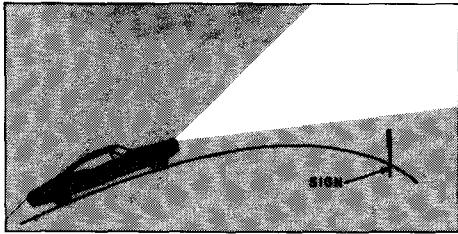
TABLE A
FASTENERS FOR MOUNTING SIGNS AND BRACKETS

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 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

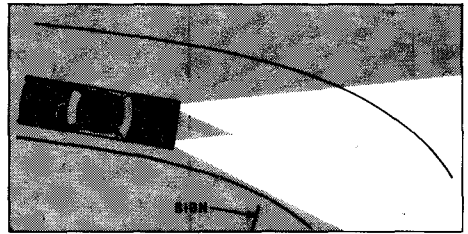
* Use No. 8 FH screws for mounting bracket.

TABLE B
170- AND 188-TYPE BRACKETS

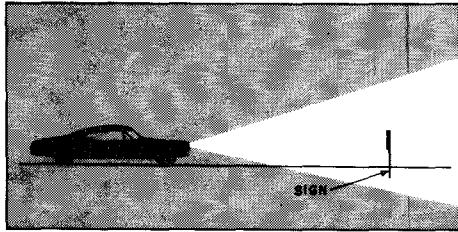
TYPE	SIZE	DIAMETER OF SUPPORT
		INCHES
170	2	1-7/8 to 3
	3	3 to 4
	4	4 to 5
188	6	5 to 8
	10	8 to 12



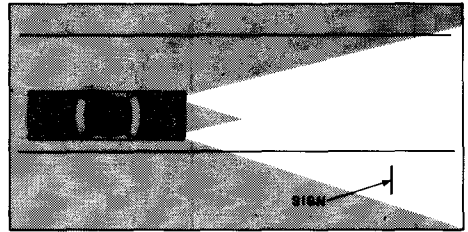
WRONG



WRONG



RIGHT



RIGHT

Fig. 19—Selection of Location for KS-20065 Advance Warning Sign

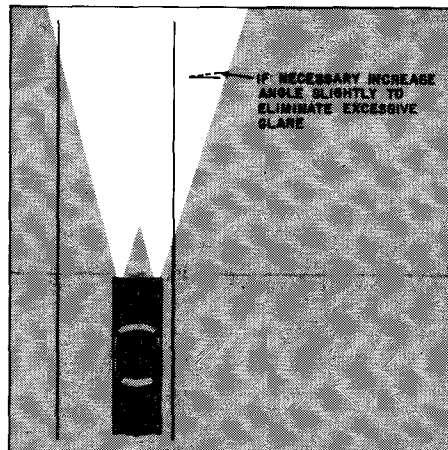


Fig. 20—Locating Sign to Reduce Glare

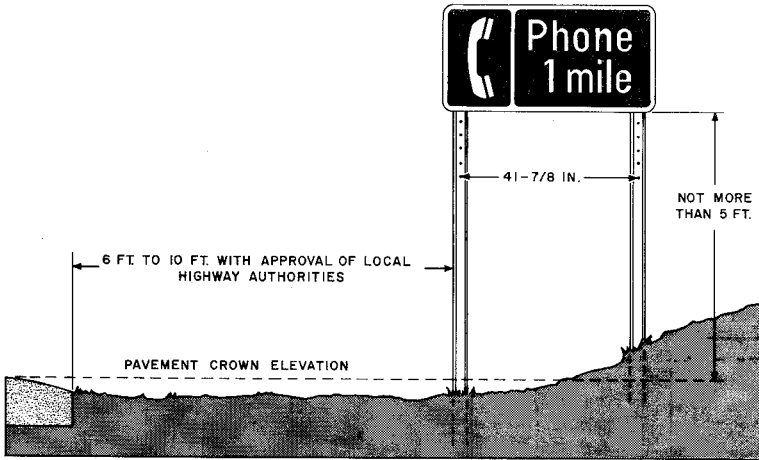


Fig. 21—KS-20065, List 1 Installation