

PHONE SIGNS NONILLUMINATED TYPE IDENTIFICATION AND INSTALLATION

1. GENERAL

1.01 This section is reissued to:

- Delete information on Nos 25, 60A, 60B, KS-16540, KS-16597, KS-16705, and KS-19027 signs which are rated MD.
- Delete information on cement kit
- Add information on KS-20063, KS-20064, KS-20065, and KS-20125 signs
- Revise and add illustrations

Since this reissue covers a general revision arrows ordinarily used to indicate changes have been omitted.

2. IDENTIFICATION

A. Walk-up, Drive-up Signs

KS-20065 Signs [Replace KS-16705 (MD) Signs]

2.01 Two signs are available:

- (a) KS-20065, List 6 (Fig. 1)
 - Intended for use at walk-up installations or in the vicinity of a coin station
- (b) KS-20065, List 5 (Fig. 2)
 - Intended for use at drive-up installations

2.02 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 ft. lg)
 - KS-20065, List 8 post (11 ft. lg)
 - or any flat surface
- Mounting hardware furnished with sign(s)

B. Advance Warning Signs

KS-20065 Signs [Replace KS-16540 (MD) Signs]

2.03 Four signs are available:

- (a) KS-20065, List 1 (Fig. 3)
- (b) KS-20065, List 2 (Fig. 4)
- (c) KS-20065, List 3 (Fig. 5)
- (d) KS-20065, List 4 (Fig. 6)

2.04 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 ft. long) or two KS-20065, List 8 posts (11 ft. long).

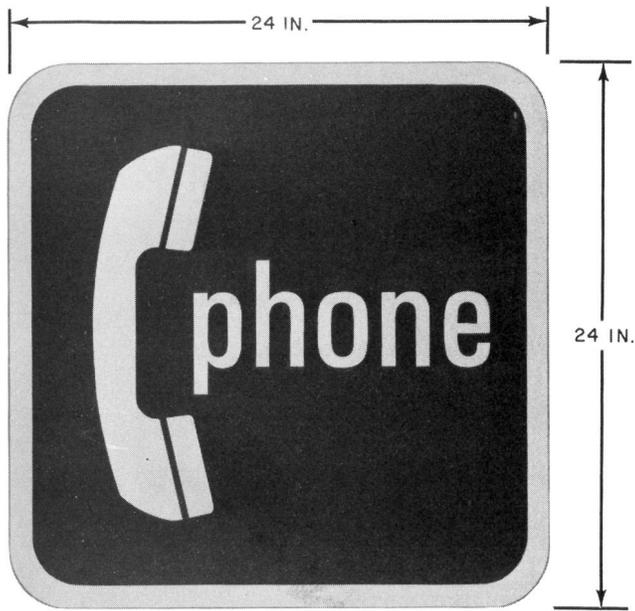


Fig. 1—KS-20065, List 6 Sign

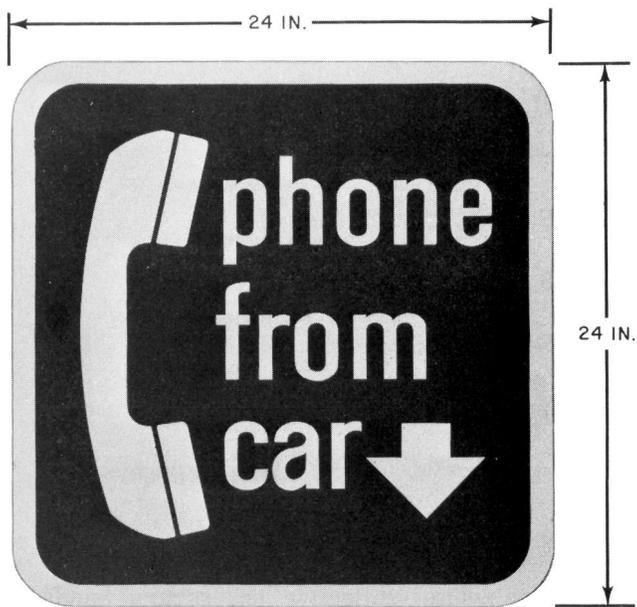


Fig. 2—KS-20065, List 5 Sign

- Mounting hardware furnished with sign(s)

C. Public Phone Signs

KS-20063 Signs, Plate, and Mounting Bracket

2.05 Three signs are available (Fig. 7):

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

2.06 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
- Replace KS-16597 signs which are rated MD

2.07 Two accessories are available:

- (a) KS-20063, List 4 sign reinforcing plate (Fig. 8 and 9)
 - 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. 9)
 - Used when either of the signs is mounted on a corner

KS-20064 Signs

2.08 Four signs are available:

- (a) KS-20064, List 1 (Fig. 10)



Fig. 3—KS-20065, List 1 Sign



Fig. 4—KS-20065, List 2 Sign

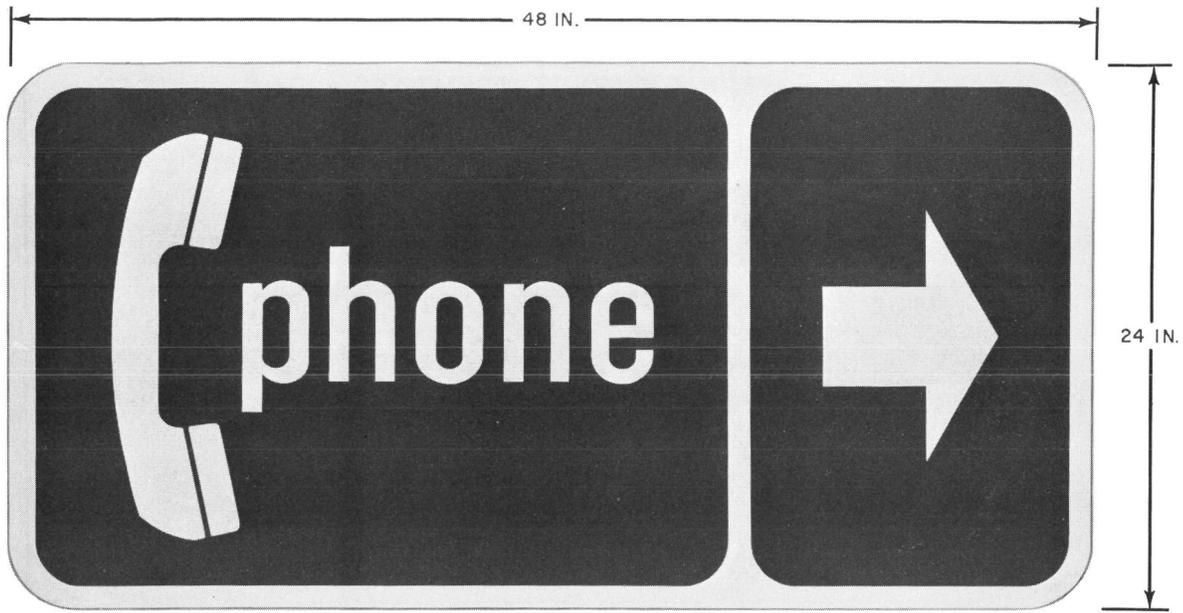


Fig. 5—KS-20065, List 3 Sign

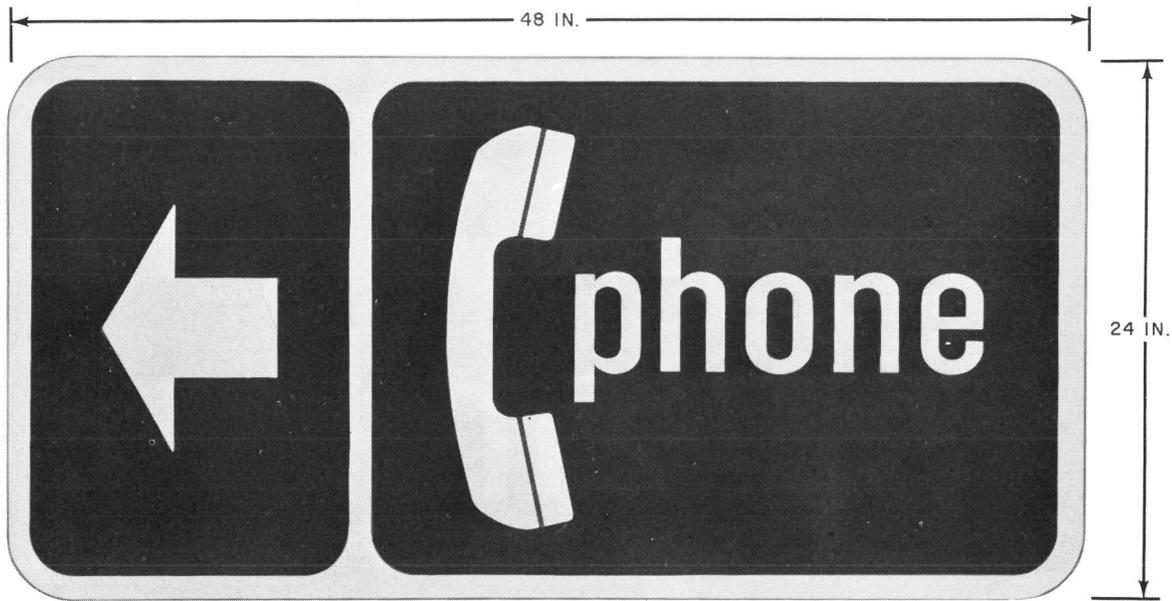


Fig. 6—KS-20065, List 4 Sign

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



Fig. 7—KS-20063 Sign

- 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. 10)
- 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. 11 and 12)

- 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

- (d) KS-20064, List 4 (Fig. 11 and 12)

- 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

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

KS-20125 Signs and Mounting Bracket

2.10 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.

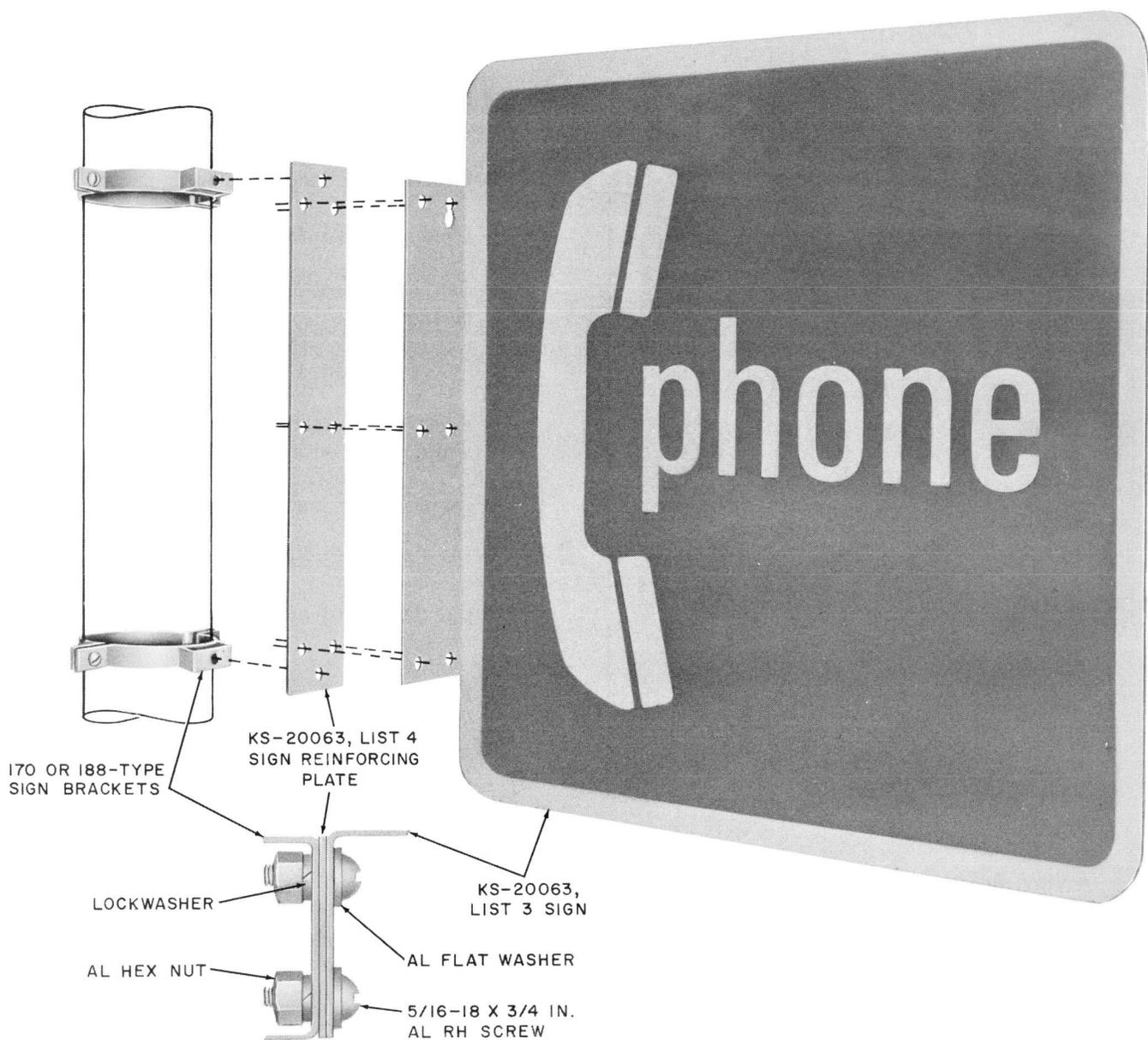


Fig. 8—KS-20063, List 3 Sign—Pole Mounted

- 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.
- (c) KS-20125, List 3 mounting bracket (Fig. 14)
- Mounts either the List 1 or List 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

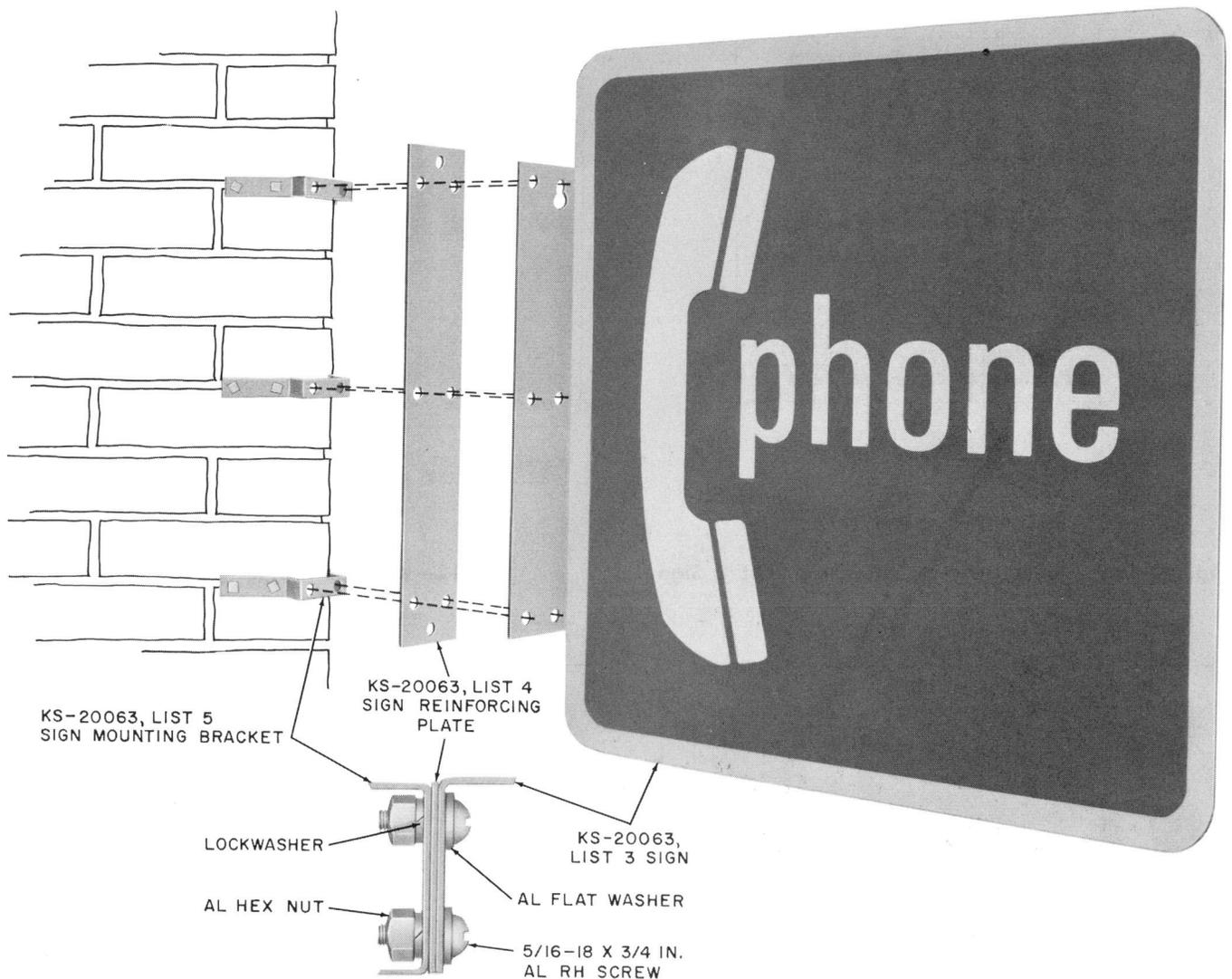


Fig. 9—KS-20063, List 3 Sign—Corner Mounted

2.11 The KS-20125 signs are replacements for the No. 25-type, No. 60A, and No. 60B signs which are rated MD.

3. INSTALLATION

A. Walk-up, Drive-up Signs

KS-20065 Signs

3.01 KS-20065, List 5 and KS-20065, List 6 signs have two mounting holes each. They may be mounted on a KS-20065, List 7 or KS-20065, List 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.

3.02 The following hardware is furnished with each sign:

- Two 5/16-18 by 2 Rd Hd Al bolts
- Two 5/8 O.D., 11/32 I.D. by 1/16 thk laminated paper washer
- Two 5/16-in. lockwashers
- Two 5/16-18 Al hex nuts

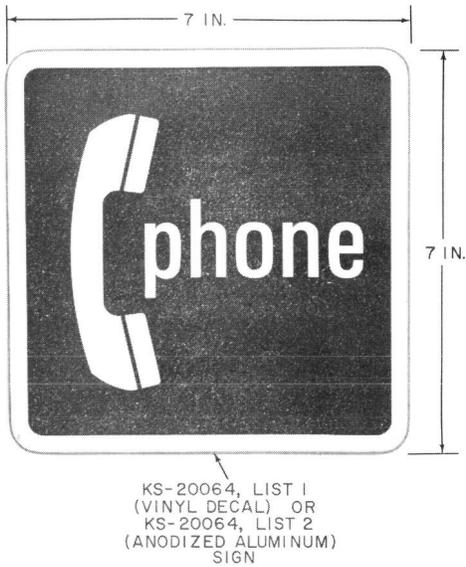


Fig. 10—KS-20064, List 1 or KS-20064, List 2 Sign

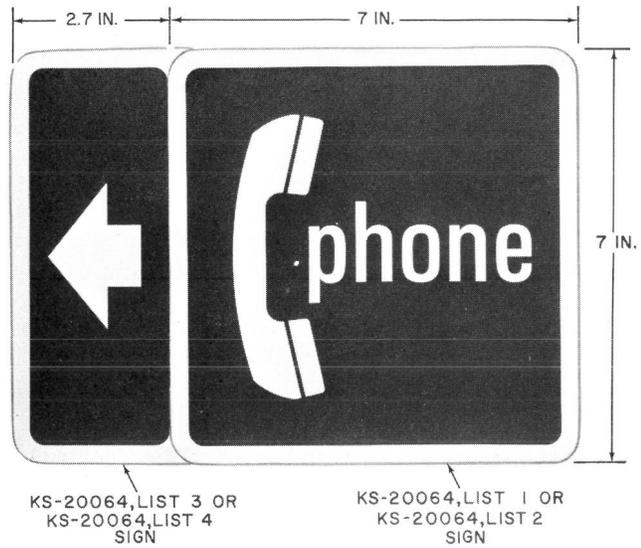


Fig. 12—KS-20064 Sign—Arrow Left

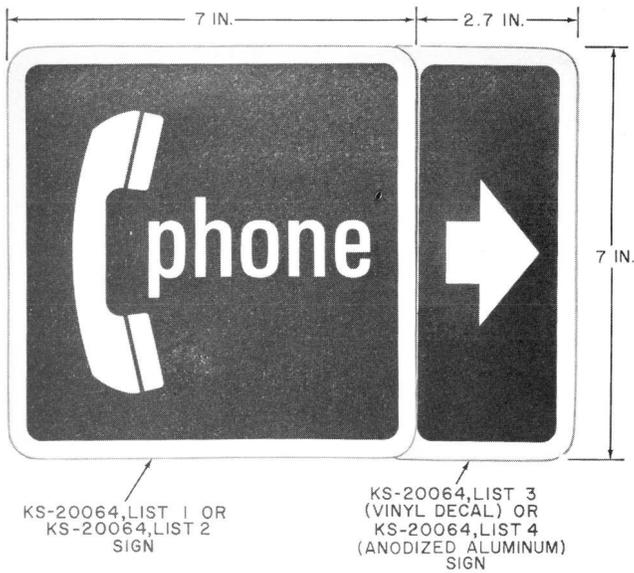


Fig. 11—KS-20064 Sign—Arrow Right

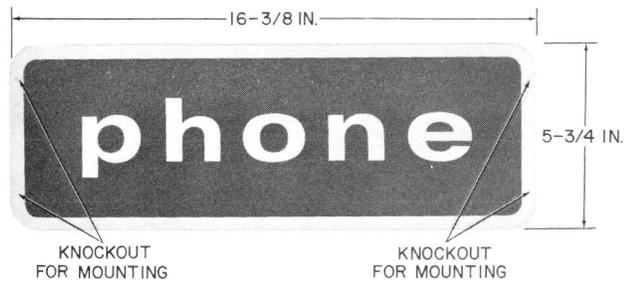


Fig. 13—KS-20125, List 1 Sign

B. Advance Warning Signs

KS-20065 Signs

3.03 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.

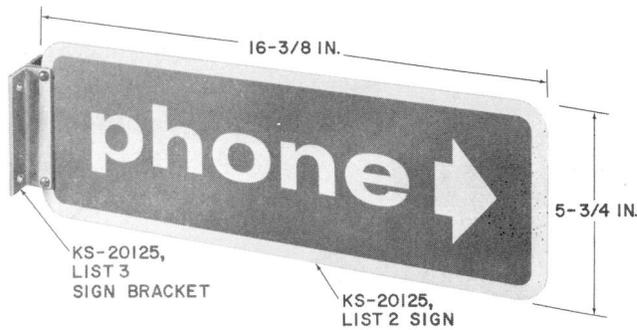


Fig. 14—KS-20125, List 2 Sign and KS-20125, List 3 Sign Bracket

3.04 Fig. 15 illustrates the effects of proper and improper sign installations.

3.05 When excessive glare from the face of the signs affects its legibility, turn sign slightly away from road as illustrated in Fig. 16.

3.06 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.

3.07 Install KS-20065 signs in accordance with Fig. 17.

C. Public Phone Signs

KS-20063 Signs

3.08 These signs can be mounted at right angle to:

- (a) A flat surface (Fig. 18)
 - Use hardware per Table A to suit mounting conditions.
- (b) Metal pole (Fig. 8)

- Use No. 170- or 188-type brackets
- Refer to Fig. 8, Fig. 19, and Table B for complete description of brackets
- (c) A corner (Fig. 9)
 - 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. 8 and 9)

KS-20064 Signs

3.09 KS-20064 signs were designed for mounting to flat surfaces.

3.10 The List 1 and List 3 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 surface.

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

KS-20125 Signs

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

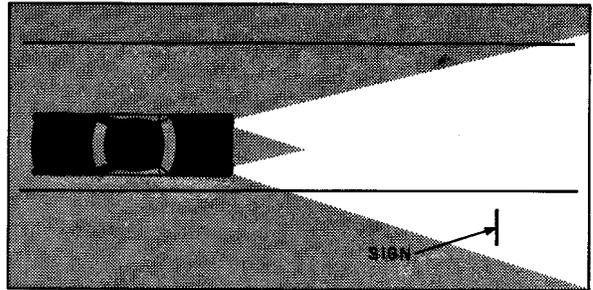
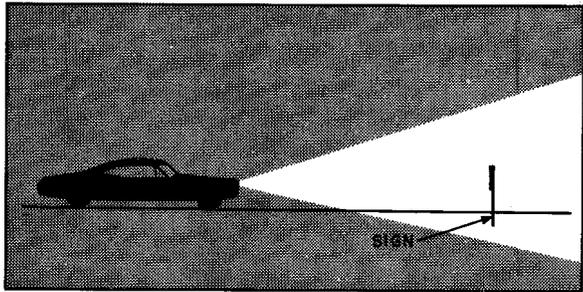
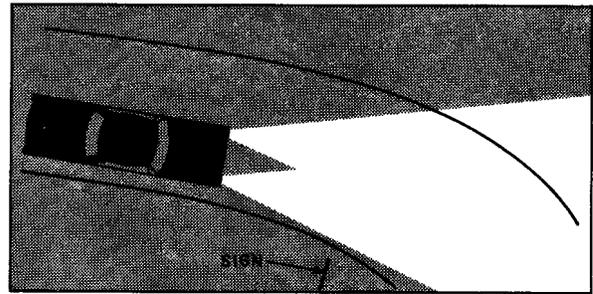
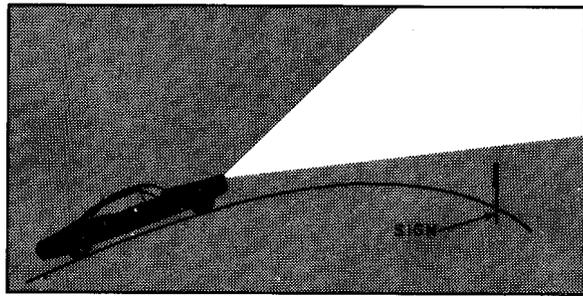


Fig. 15—Selection of Location for KS-20065 Advance Warning Sign

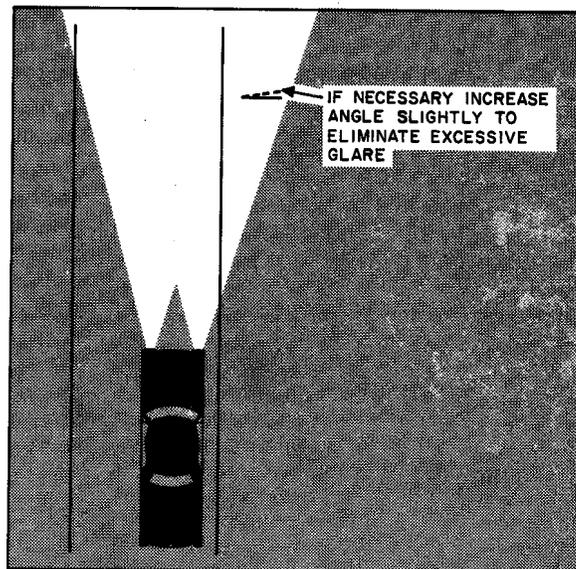


Fig. 16—Locating Sign to Reduce Glare

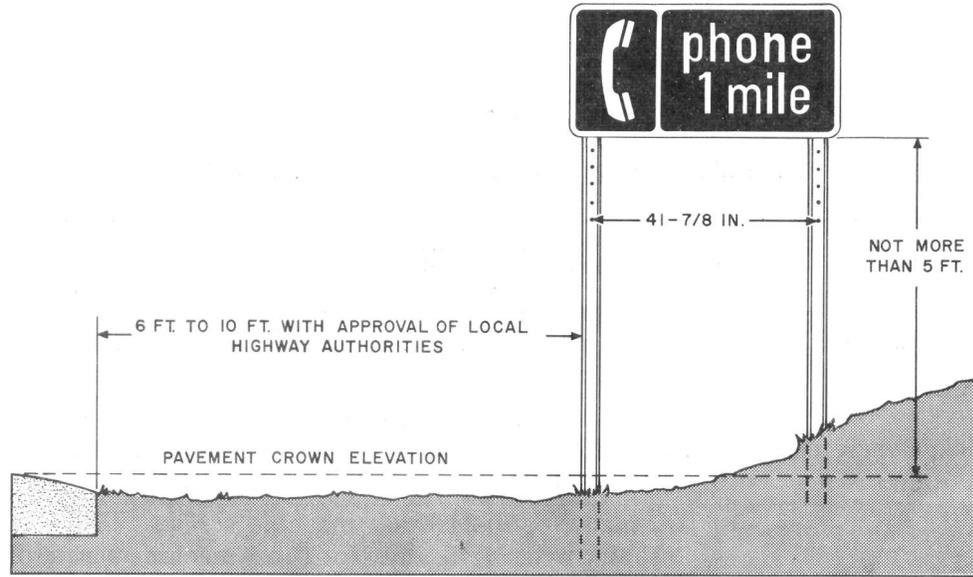


Fig. 17—KS-20065, List 1 Installation

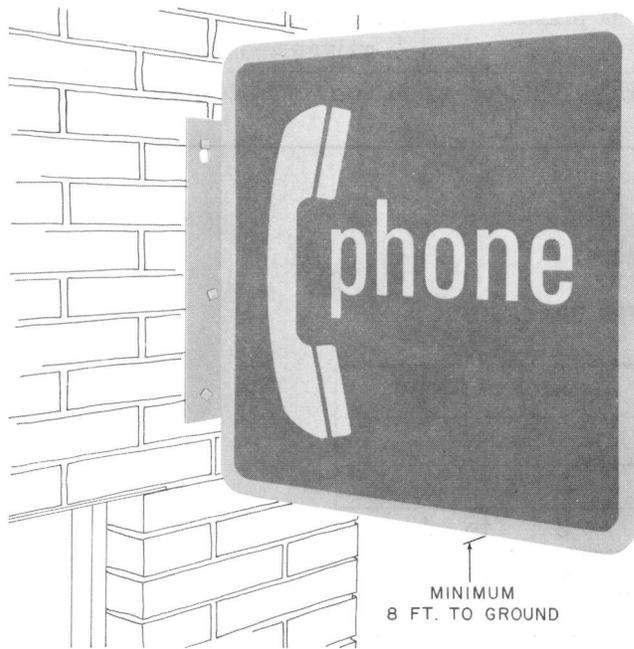


Fig. 18—KS-20063 Sign-Wall Mounted

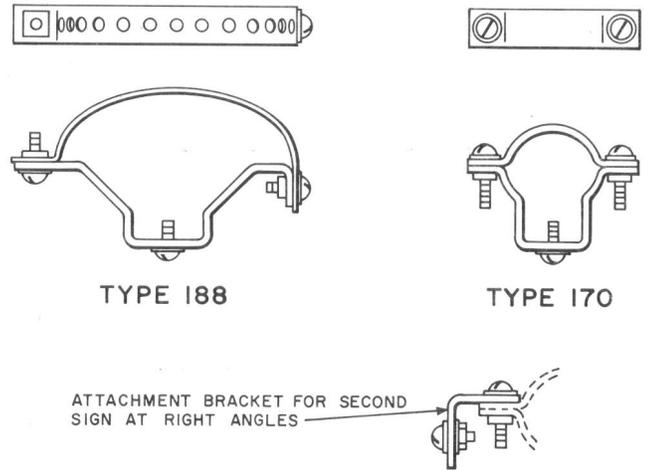


Fig. 19—170- and 188-Type Sign Brackets

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. 10 RH galvanized wood screws
Masonry, Brick, Concrete, etc.	1-1/4 inch No. 14 RH gal- vanized wood screws in No. 12D plastic anchors	1-inch No. 10 RH galvanized wood screws in No. 12D plastic anchors
Solid Metal	1/2-inch No. 10-24 brass machine screws. Use No. 23 straight shank twist drill and No. 10-24 machine screw plug tap.	
Metal Sheath on Furring or Other Framework	Appropriate size D plastic an- chors or 1/4 x 4-inch RH toggle bolts. Make 3/4-inch hole for toggle bolts.	Appropriate size D plastic an- chors or 3/16 x 4-inch BH toggle bolts. Make 5/8-inch hole for toggle bolts.
Hollow Tile, Plastered, Wire Lath, Plastered		
Wood Lath, Plastered	Appropriate size D plastic screw anchors	Four 1-1/2-inch No. 10 RH galvanized wood screws
Masonry, Plastered	2-inch No. 14 RH galvanized wood screws in No. 16 D plastic anchors	

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