

# SignBar<sup>T</sup>/ SignPanel<sup>E</sup>

## Post Mount Modules

## Assembly, Installation & Maintenance Instructions

These instructions pertain to all 50mm(2") and 100mm(4") Posts.

### Handling

1. Group message bars and/or panels for each sign and arrange them in the order in which they should appear.

APCO recommends applying a protective film to all message bars and panels until installation is complete.

To avoid possible damage to the message bars or panels, DO NOT lay one on top of another without protective interweaving. It is preferable to lay all contents on furniture pads, carpet or corrugated board.

### Preparation

1. Arrange each sign in the order that the message bars/panels should appear, top to bottom, including any blanks and Interlocking Spacers.
2. Install Retainer Pins in Top and Bottom Message Bars/Panels only. One pin must be inserted into each end of the Top and Bottom Message Bars. Note that holes are provided in all bars, but only top and bottom bars require pins.
3. Using a mallet, *gently* tap each pin into place (Fig. 1). The Retainer Pin should protrude equally from each side of the message bar.

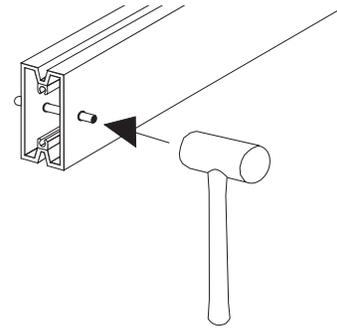


Fig. 1

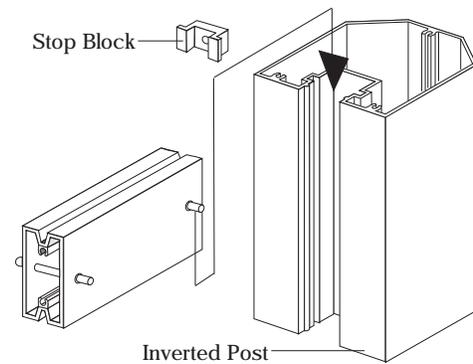


Fig. 2

### Assembly

1. Remove Stop Blocks by loosening the set screw and sliding out the bottom of each post. Lay posts horizontally or stand posts upside down on a protected surface.
2. Slide Bars and/or panels into place, aligning retainer (roll) pins to post pocket during the process. (Fig. 2)

If optional Decorative or Interlocking Spacers or Trim are used between Bars/Panels, remember to insert them in the proper sequence.

3. Once all components are inserted and fully seated, insert the Stop Block and slide firmly against the bottom Bar, Panel or Decorative Trim. Tighten the Stop Block screw securely using the 3/16" allen wrench provided.\*

**Important Note:** A solid, tight assembly is essential to reduce the likelihood of "racking" when the assembled sign is installed. If Post Mounting feet are required, affix at this time.\*\*

\*For "Fixed Bar" assembly, Post Pocket Fillers are used in addition to the Stop Block. Fillers are inserted before the Stop Block. Caution: Once this is done and sign posts are embedded in concrete, additional SignBars/Panels cannot be added.

\*\*When Post Mounting feet are used with the Post Pocket Fillers, reverse the assembly procedure. Remove the Post Caps, install the mounting feet. Post Pocket Fillers, Bars/Panels, Spacers and Trim slide into the post pocket from the top of the post. Replace post caps.

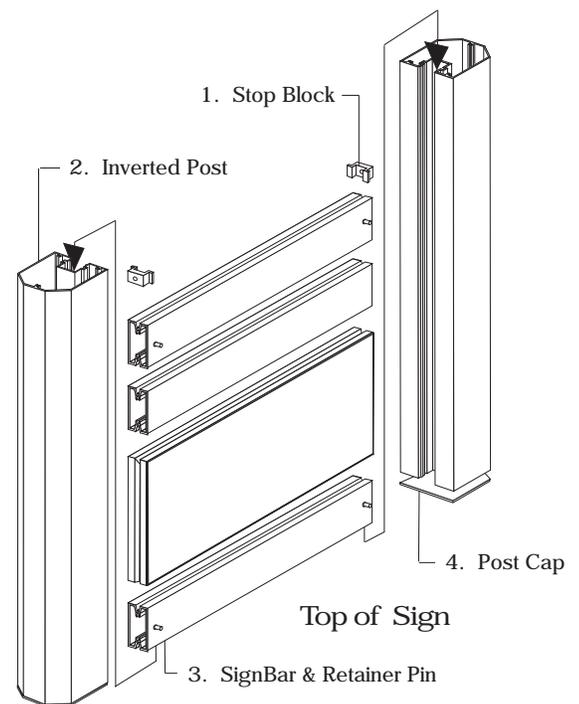


Fig. 3

# SignBar<sup>T</sup> / SignPanel<sup>E</sup>

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### Installation



Below Grade

1. Due to widely varying site conditions, installation techniques must be determined on an individual basis. Concrete footings should be specified by qualified persons, based upon local codes and geographic practices, such as frost lines, soil conditions, wind load regulations, etc.

2. When setting sign assembly directly into earth, do not use force to drive the posts into position, as this is unnecessary and could result in damage to the post caps, alignment, etc. Assure that mounting holes are the correct depth prior to implanting the posts.

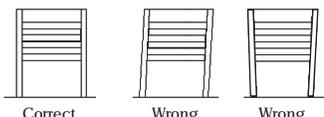
NOTE: To protect the sign finish from unwanted concrete splatters, mask posts as necessary prior to pouring footings.

### Helpful Hints

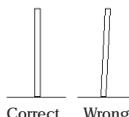
Assembling the message bars or panels firmly against the post caps will greatly reduce racking. Refer to Step 3 on reverse page, and double check Stop Block tightness prior to handling.

As concrete footings are being poured, the unit should be leveled, squared and plumbed. This is important so that future changing or adding sign panels will be possible.

Front View



Side View



On Grade

1. The plates attached to the support posts are supplied with predrilled mounting holes. Shop drawings are available illustrating hole locations, or dimensions may be taken directly from the plates. Attachment hardware is not provided.

2. Hardware and mounting techniques should be specified by qualified persons based upon local codes, regulations, etc. Consideration must be given to conditions unique to each location.

3. APCO accepts no responsibility for mounting design and/or installation except when installation is performed by APCO personnel.

### Changing and replacing Bars/Panels

To change message bar/panel on an existing sign, use the #1 square driver provided with the initial package and remove screws retaining the post caps. (Early APCO post designs used 5/64" hex wrench. The Square, introduced June 1996, replaces previous hardware.)

### To Replace a Message Bar/Panel with a smaller one

1. Slide each message bar and interlocking spacer up and out of the post extrusion until the bar which is to be changed is removed.
2. Insert new message bar/panel into pocket extrusion. Reinstall spacers, bars and post caps.
3. With the smaller replacement bar/panel in position, there will be a gap between the top message bar and the post caps. To close this space, slide all bars and spacers upward, firmly against the post caps. Loosen each Stop Block and slide up firmly against the bottom message bar and retighten. Depending upon the size of sign and number of bars, this operation may require two persons.

### To Add a Message Bar/Panel or Replace a Bar with one which is *LARGER* in height

1. Slide all necessary message bars/panels and interlocking spacers up and out of the post extrusion.
2. Lower the Stop Block to allow space for the new message bar and retighten. Install new bar.
3. Re-install all message bars and interlocking spacers.
4. Re-attach post caps.
5. If the bar stops were lowered too far, there will be a gap between the top message bar and the posts caps. To close this space, slide all bars and spacers upward firmly against the caps. Loosen each Stop Block, slide it up firmly against the bottom message bar and retighten.

### To Replace a Message Bar of the *SAME SIZE*

1. Slide each message bar and interlocking spacer up and out of the post extrusion until the bar which is to be replaced is removed.
2. Insert new message bar into post extrusion. Reinstall spacers, bars and post caps.

Cleaning/Touch Up: Use only mild soap and water to clean sign surfaces. *Do not use amonia based or chemical cleaners* as they may cause streaking and color fade.

Touch up paint, along with instructions, is included for minor chips and scratches that may occur from road side debris, etc.

### IMPORTANT!

Note about Satin Anodized and Duranodic Aluminum Finishes

Aluminum finishes are subject to considerable color range. "PERFECT COLOR MATCH IS IMPRACTICAL IN PRODUCTION", states ALCOA in its "Aluminum in Architecture" manual. Therefore finishes are subject to color variations between bars, spacers and posts for the same project and even a single sign unit.