



Forward Instructions to Facility Manager

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

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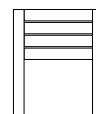
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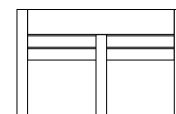
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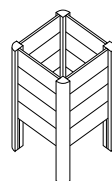
□ 5110
Post Mount



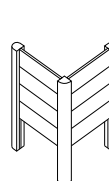
□ 5120
Double Posts



□ 5130
Center Post



□ 5140
Multi-Sided



□ 5190
90° Post

Parts List

3/16" hex wrench.....1

5/16" x 1-1/2" spring tension pins.....varies

#1 square driver.....1

Above Ground Installation:

#10 hex head teks (self tapping) screws.....10

1/4" diameter drill bit.....1

Reordering Sign Components

Refer to original APCO order number when contacting Customer Service Representative.

Need Technical Assistance?

Telephone (404) 688-9000 and ask for APCO's Installation Department or Engineering Department.

General Notes

The following general information will be helpful to you, but is not meant to cover all possible conditions and situations that may occur.

Because of widely varying site conditions, installation techniques must be determined on an individual basis. It should be understood that common sense, caution and care are factors which cannot be built into any product. These factors must be supplied by the actual person(s) installing and maintaining the product.

Handling

When handling large models, assure that you have the appropriate number of persons to safely handle the assembled product.

Group message bars and/or panels for each sign.

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 will appear, including any blanks and Interlocking Spacers.
2. One Retainer 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. Using a mallet, gently tap each pin into place (Fig. 1). Assure pin protrudes equally from each side of message bar.

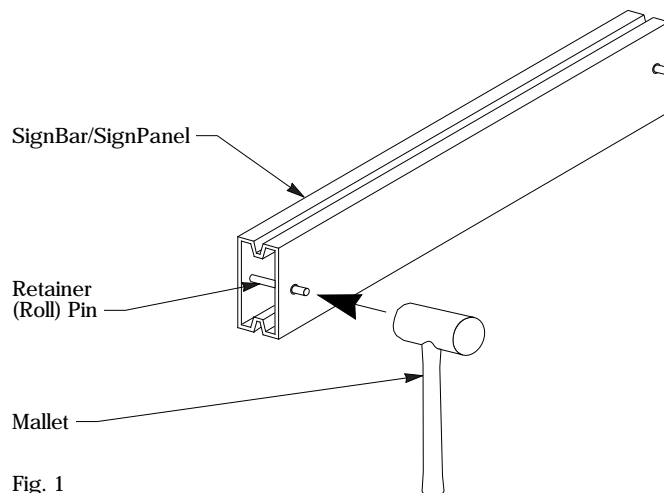


Fig. 1

SignBar®/ SignPanel™ Double Post Mounted



Assembly, Installation & Maintenance Instructions



Assembly In-Ground Applications

When In-Ground Mounting is desired, the sign is easily assembled and buried directly into the ground.

1. Loosen set screw in Stop Blocks and slide blocks out of the uncapped end of each post.
2. Lay posts down on a protected surface. Post pockets should face one another and post caps should be at one end.
3. Beginning with top message, align retainer (roll) pins into post pocket and slide bars and/or panels into place. (Fig. 2) Insert remaining bars and/or panels into post pockets. If Interlocking Spacers or Decorative Trim is used, insert them in the proper sequence.

The (EB) Expandable Bar assembly leaves the lower portion of post pocket open for future SignBar and/or SignPanel expansion. To complete this assembly, follow Step 4.

4. Assure all components are firmly positioned against post caps. Insert Stop Blocks and slide firmly against bottom Bar, Panel or Decorative Trim. Tighten Stop Block screws securely using 3/16" hex wrench provided. The Expandable Bar assembly is ready for installation.

The (FB) Fixed Bar assembly utilizes a post Filler to enclose lower portion of post, thus providing a smooth, more solid appearance. *This feature does not allow for SignBar or SignPanel expansion.* It will however, allow for replacement of identical size bars and/or panels. Interlocking Spacers and/or Decorative Trim must remain. To complete this assembly, follow Steps 5 and 6.

5. Assure all components are firmly positioned against post caps. Insert Post Fillers and slide firmly against bottom Bar, Panel or Decorative Trim.
6. Insert Stop Blocks and slide firmly against Post Fillers. Tighten Stop Block screws securely using 3/16" hex wrench provided. The Fixed Bar assembly is ready for installation.

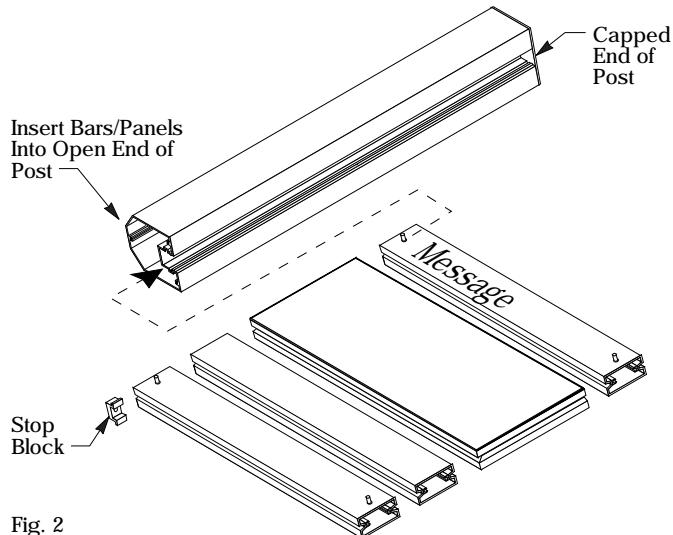


Fig. 2

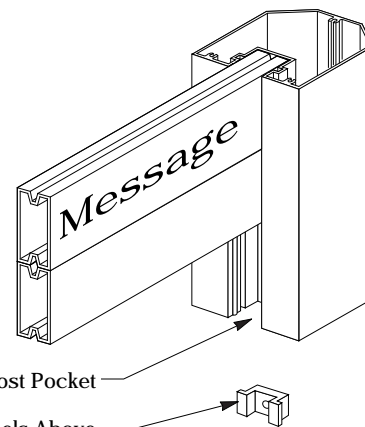


Fig. 3

(FB) Fixed Bar
Lower post pocket filled for solid appearance. Does Not allow for expansion.

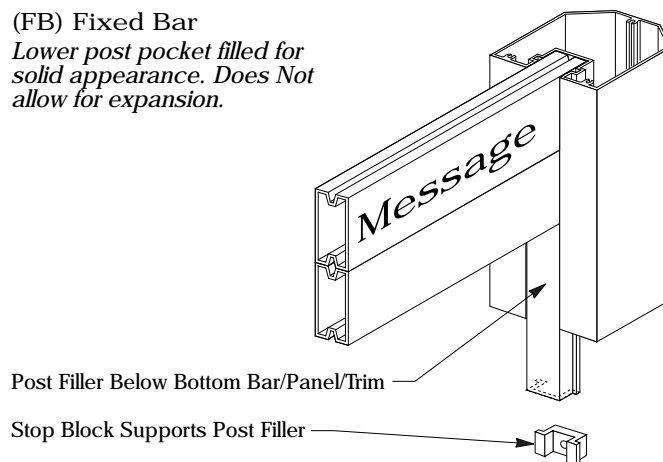


Fig. 4

SignBar®/ SignPanel™ Double Post Mounted



Assembly, Installation & Maintenance Instructions

Installation

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



In-Ground
Applications

Assembling the message bars and/ or panels firmly against the post caps will greatly reduce the likelihood of "racking" when the assembled sign is installed. Double check Stop Block tightness prior to handling.

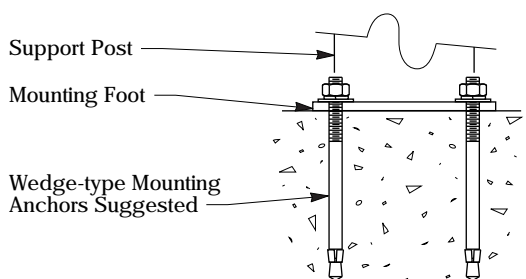
When setting sign assembly directly into earth, do not use force to drive the posts into position, as this is unnecessary and could result in damage to the post caps, alignment, etc. Assure that mounting holes are the correct depth prior to implanting the posts.



Above Grade
Applications

Anchor hardware is provided by others and should be specified by qualified persons. Consideration must be given to conditions unique to each location. APCO accepts no responsibility for mounting design and/or installation except when installation is performed by APCO personnel.

Post mounting feet are supplied with predrilled mounting holes. APCO recommends the assembled sign be used as the mounting template. Install anchor hardware per manufacturer's recommendations.

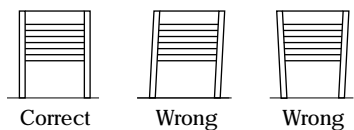


Installation Hints

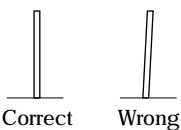
To protect the sign finish from unwanted scratches and/or concrete splatters, mask posts as necessary.

As footings are being poured or anchors are being set, the unit should be leveled, squared and plumbed. This is important to accommodate future servicing.

Front View



Side View



Servicing & Maintenance

To change message bar/panel on an installed sign, the post caps must first be removed. Use a #1 square driver (provided).

Replacing Bar/Panel with Same Size Component (EB or FB Options)

1. Slide each SignBar, SignPanel, Interlocking Spacer and/or Trim up and out of the post extrusion until the component which is to be changed is removed.
2. Insert new message bar/panel into post pocket. Reinstall bars/panels, spacers and post caps.

Replacing Bar/Panel with Smaller Component (EB Option Only)

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

Replacing Bar/Panel with Larger Component (EB Option Only)

1. Slide all components up and out of the post extrusion until the component which is to be changed is removed.
2. Loosen and lower Stop Blocks, allowing space for new bar/panel, and retighten. Install replacement part.
3. Reinstall all bars/panels and interlocking spacers.
4. Reattach post caps.
5. If Stop Blocks were lowered too far, there will be a gap between the component and the post caps. To close this space, slide all components upward, firmly against post caps. Loosen each Stop Block and slide up firmly against the bottom component and retighten.

Cleaning/Touch Up

Use only mild soap and water to clean sign. *Do not use ammonia based or chemical cleaners* as they may cause streaking and color fade.

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

NOTE: 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 components within the same project and even a single sign unit.

SignBar®/ SignPanel™ Double Post Mounted



Assembly, Installation & Maintenance Instructions



Assembly Above Grade Applications

When Above Grade Mounting is desired, steel Mounting Feet are provided and are attached to bottom of posts prior to sign assembly.

1. Remove post caps using #1 square driver provided.
2. Drill 1/4" diameter clearance holes *through post pocket only*. IMPORTANT: Holes should be approximately 4-1/2" apart vertically and offset 1/2" from one another. (See Fig.6) Recent post extrusions are provided with "index" lines for proper offsetting.
3. Insert Mounting Foot into post and positioned firmly against post. Secure post to foot with #10 hex head, teks (self tapping) screws provided.
4. Repeat Steps 2 and 3 for opposite post.

The (EB) Expandable Bar assembly leaves the lower post pocket open for future SignBar and/or SignPanel expansion. To complete this assembly, follow Steps 5 through 9.

5. Stand posts upward with post pockets facing one another. Using 3/16" hex wrench provided, loosen set screw and slide Stop Blocks down to allow space for SignBar/SignPanel installation.
6. Beginning with bottom message, align retainer (roll) pins with post pocket and slide bars and/or panels into place. (Fig. 5) Insert remaining bars and/or panels into post pockets. If optional Decorative Trim or Interlocking Spacers are used, insert them in the proper sequence.
7. Replace post caps.
8. Carefully invert sign assembly onto a protected surface. With all display components resting against post caps, position Stop Blocks firmly against lowest bar, panel or Decorative Trim, and tighten set screws.
9. Return sign to its upright position. The Expandable Bar assembly is ready for installation.

The (FB) Fixed Bar assembly provides a Post Filler to enclose the lower post pocket. *This feature does not allow for SignBar or SignPanel expansion.* It will however, allow for replacement of identical size bars and/or panels. Optional Interlocking Spacers and/or Decorative Trim must remain. Once Steps 1 through 4 are completed, follow Steps 10 through 13.

10. Stand posts upward with post pockets facing one another.
11. Insert Post Fillers into post pockets. (Fig. 5)
12. Insert bars and/or panels into post pockets, aligning retainer (roll) pins as required. (Fig. 5) If Interlocking Spacers or Decorative Trim is used, insert them in the proper sequence. The top display component should fit flush with top of post.
13. Replace post caps. The Fixed Bar assembly is ready for installation.

Above Grade Assembly

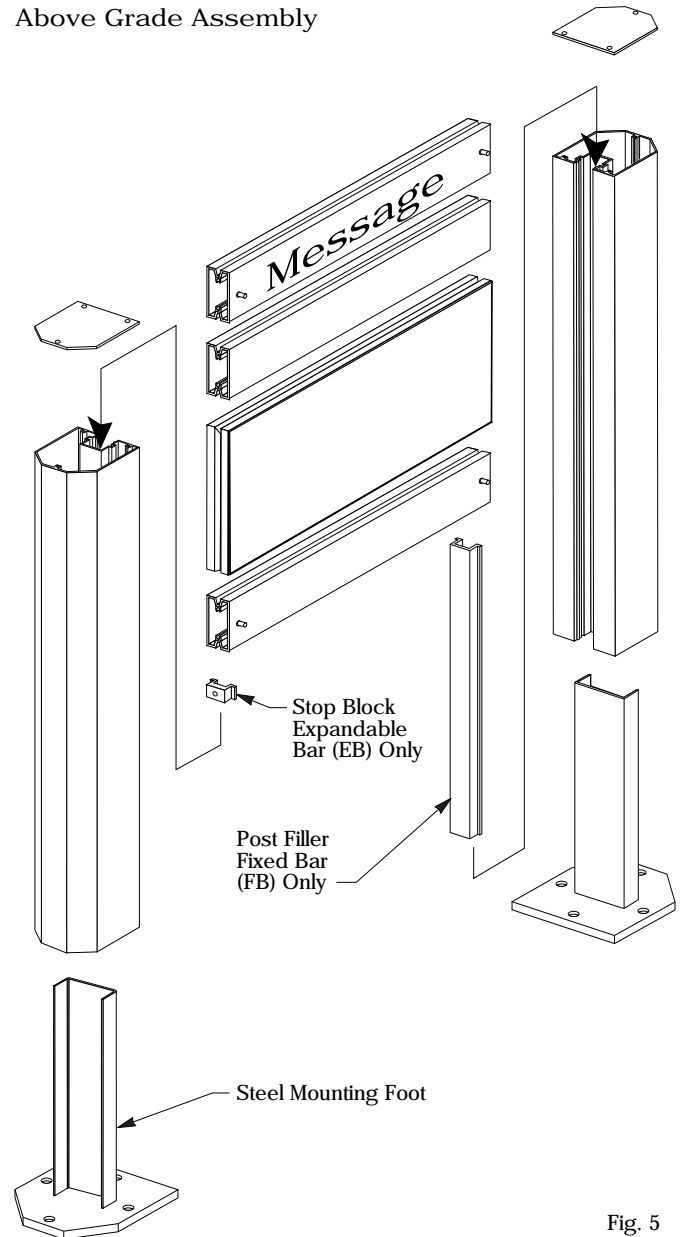


Fig. 5

Mounting Foot Attachment

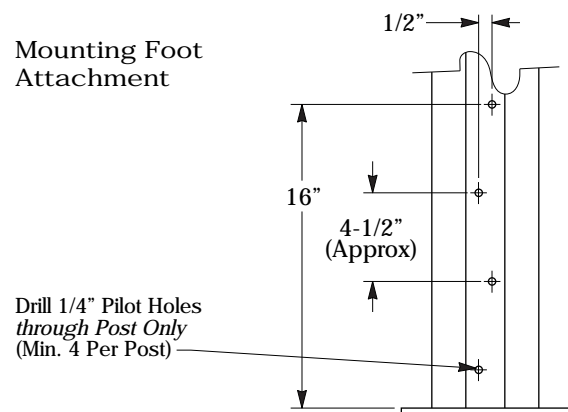


Fig. 6