

SSB Installation Instructions

PRECAUTIONS

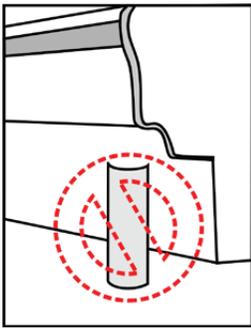
Read this installation guide in its entirety before installing defenders. If there are any questions, call Alvarado at 909-591-8431 or 800-423-4143, Monday through Friday, 6:00 AM to 4:30PM PST.

WARNING

Installers and Store Personnel: Customers can trip on case protectors and floor bumpers if installed improperly. Because of the many different types of cases and store layouts, it is not possible to provide hard and fast installation rules. It is the responsibility of the installer and store personnel to determine the correct use of case protection equipment.

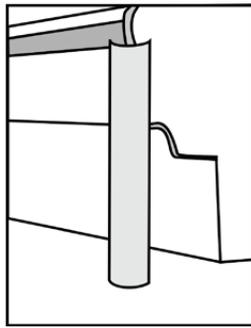
Below are general use and installation guidelines.

Don't...



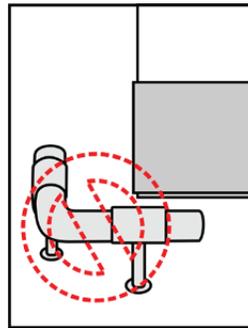
Do not use short case protectors or floor bumpers to protect cases or fixtures with recessed bases.

Do...



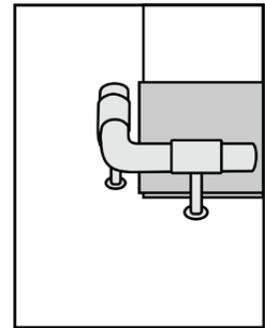
Use tall case protectors or posts, 24" or higher, to protect cases or fixtures with recessed bases.

Don't...



Do not install the case protectors or floor bumpers away from the case or fixture.

Do...



Install the case protectors or floor bumpers as close as possible to the fixture being protected.

Materials Enclosed:

- SSB Bumper Rail with End Caps
- SSB Stems
- SSB Sockets
- Set Screws

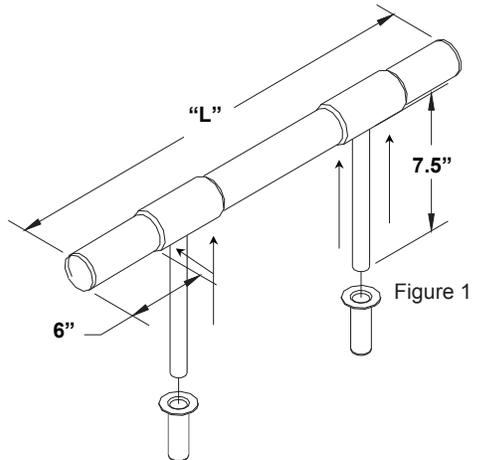
Tools Required:

- Hammer Drill
- 1/4" or 3/8" & 1" Concrete Drill Bits
- Chalk Line
- Pour Stone
- 1/8" Allen Wrench
- Tape Measure

**Installation Instructions****NOTE**

SSB Bumpers are shipped ready for assembly. The following installation steps assume that no modifications have been made to the product, is assembled as shown in Figure 1 or 2, and is ready for installation on level concrete.

- Check chart for number of rails and stems.
 - One (1) Rail:** Align a Stem approximately 6" from each end of the Rail and secure the stem in place with the provided setscrews (See Figure1).
 - Two (2) or Three (3) Rails:** Align a Stem about 6" from the CAPPED END of the Rail and secure them in place. Connect the Rails together by placing a Stem evenly between two (2) rails and secure them with the provided setscrews (See Figure 2) .

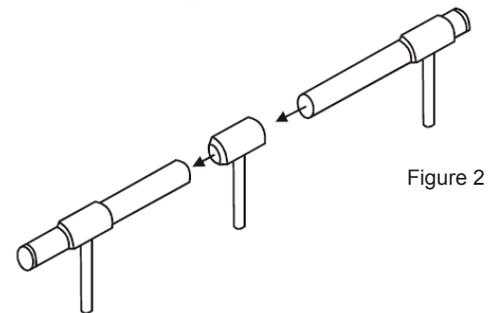
**NOTE**

If product comes with three (3) Rails, make sure that the Capped Rails stay on the out side

NOTE

For SSB 90 and SSB 135 installations be sure to rotate the stems to the proper position before tightening the set screws.

Length, L (ft)	Rails	Stems	Length, L (ft)	Rails	Stems
1'	1	2	7'	2	3
2'	1	2	8'	2	3
3'	1	2	9'	3	4
4'	1	2	10'	3	4
5'	2	3	11'	3	4
6'	2	3	12'	3	4



- Place the assemblies in the desired pattern. Place bumpers at least 1/2" from the edge of the fixture or as close to the fixture as possible. Mark a circle on the floor around each stem leg.
- Drill a pilot hole with the 1/4" or 3/8" diameter drill bit at the center of each marked location. The pilot holes should be at least 3" deep. Drill 1" holes in the pilot holes.

NOTE

For holes that break through the concrete, stuff plastic or paper in the hole to keep the Pour Stone from pouring out.

- Using the instructions on the package, mix enough Pour Stone for no more than 6 holes at a time and pour a small amount of mix in each hole. Quickly work in the sockets in the holes, and evenly add more mix.
- Insert the SSB assembly into the sockets. If the assembly does not slide into sockets, loosen stems with a 1/8" Allen Wrench adjust the stems, and tighten the set screws. Be sure to prop up the SSB Bumper assembly so that the bumper remains straight and vertical while the Pour Stone sets.

NOTE

Clean up any excess Pour Stone around the sockets before moving on to the next set of sockets

Maintenance:

Clean bumpers with the correct type of cleaner for its finish:

- Stainless Steel:** Use a Stainless Steel polish or cleaner with a soft cloth. If a heavy scratch or mark is apparent, use a metal blend of finish pad.

Replace any bent or broken pieces IMMEDIATELY.

Warranty:

Alvarado Manufacturing Company warrants the equipment being sold against defects in material and workmanship, for a period of one (1) year from the date of purchase providing recommended installation and maintenance procedures are followed. This warranty is void if damage was due to improper installation, maintenance or use. The manufacturer is not responsible for any shipping or labor charges incurred in the removal or replacement of defective parts.