

Installing Screw - In Shelf Brackets

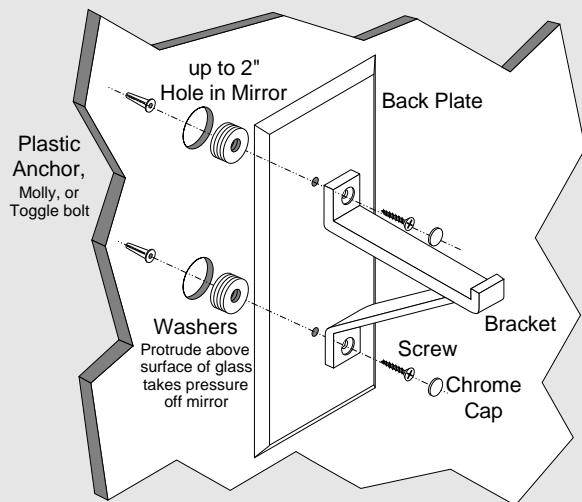
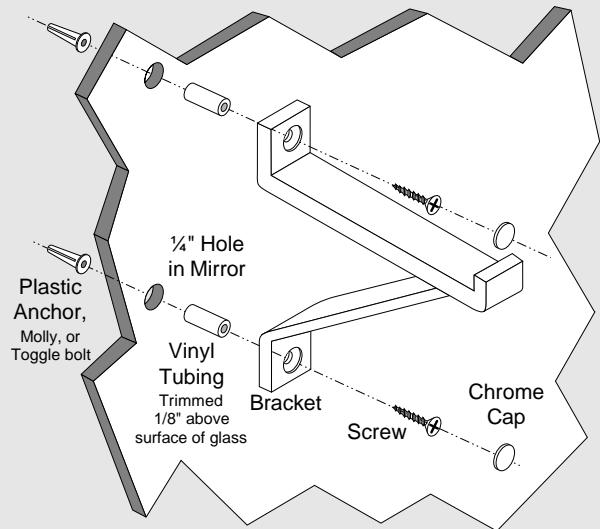
In order to get a shelf bracket to support weight, we need to fasten it directly to the wall. The only way to fasten it to the wall is to make holes through the mirror. We all know that this weakens the mirror. This is especially true when pressure is applied to the hole. Our objective in the following methods is to minimize pressure on the glass by transferring it to the backing wall.

GOOD

1/4" holes are drilled in the glass. Care should be taken to make sure that the bracket will end up level on the panel when installed. This method should only be used when both brackets are being installed on the same panel of mirror.

Plastic anchors are not very strong and should only be used for light loads. A 3/16" hole may be drilled in the wall after the glass panel is installed. If a stronger fastener is needed, the panel has to be put in place; hole locations marked; then removed. "Mollies" may then be installed before the panel is replaced.

Please note, we have used vinyl tubing (Mirart#VT14 - 1/4" OD x 1/8" ID tubing). It should be inserted into the hole and trimmed with a razor blade 1/8" above the glass surface. When the screw is tightened, it compresses the vinyl and transfers pressure from the mirror to the wall. The vinyl also acts as a protector against the metal screw touching the glass.



BETTER

Using a bracket with a mirrored back plate allows you to predrill up to 2" holes in the panel to pass the screw through to the wall. It allows you to be less accurate in location of the holes. It also will cover any chipping which may occur when drilling.

Plastic anchors, "Mollies" or toggle bolts may be installed after the mirror panel has been installed. This allows you to install a truly level shelf, even if the panel has been jacked up on one side. Please note we have installed washers between the bracket and the wall. By having the washers stick up slightly above the surface of the mirror, all pressure is taken off the mirror. Heavy pieces may be put on the shelf, providing the fasteners will hold the weight.

BEST

This is truly the easiest way to install shelf brackets on a wall. The panels are cut to approximate widths. Allow at least 1" in between mirror, but anything up to 2" goes. The panels may be adjusted for fitting to the ceiling without worrying about the bracket location.

Wood shims approximately 1" wide by 3/8" thick be installed directly to the wall between the mirror panels. The 3/8" thickness is important as it takes up the thickness of the mastic and the mirror and allows you to transfer all pressure to the wall. You can cut the strips yourself from 3/8" plywood. The easiest way to install these is by using panel adhesive and nails, which will set up in 24 hours. You may also use plastic anchors and screws if you feel the job requires it.

The shelf brackets may easily be installed with ordinary wood screws. The 3" wide mirror back plates will cover all the joints. Spacers can be used to spread the shelves apart. Longer spacers are available to "cut-in" on the top and/or bottom. The finished installation looks like a bevelled mirror pilaster with beautiful clear Acrylic shelf brackets attached.

