

### BEFORE YOU BEGIN

#### A. HOW TO USE THESE INSTRUCTIONS

Please read these instructions carefully to familiarize yourself with the required tools, materials, and installation sequences. Follow the sections that pertain to your particular installation. This will help you avoid costly mistakes. In addition to proper installation, read all operating and safety instructions.

All information in this manual is based upon the latest product information available at the time of publication. Kohler Co. reserves the right to make changes in product characteristics, packaging, or availability at any time without notice.

#### B. PRODUCT NOTES

- Give some thought to the exact location desired for these products. While it is possible to mount these products on any surface, it is best to find a wall stud to secure them to.
- Use a level to ensure that the centerline for the wall bracket(s) is vertical. Use a level to ensure that the post centerlines are level.
- Observe all local plumbing and building codes.

**NOTE:** For the K-16145 Mirror, do not drill the mounting holes for the second support plate until the actual product is measured.



**DANGER: Risk of personal injury.** These products are not designed or intended for use as a grab bar or support bar. Do not install any of these products in any area where they are likely to be used inadvertently as a grab bar or support bar. For additional information, ASTM F446 defines critical support areas.

#### C. ORDERING INFORMATION

- Towel ring . . . . . K-16140
- Toilet tissue holder . . . . . K-16141
- Soap dish . . . . . K-16142
- 24" glass shelf . . . . . K-16143
- Mirror . . . . . K-16145
- Robe hook . . . . . K-16146
- Towel bar, 30" . . . . . K-16147
- Towel bar, 18" . . . . . K-16148
- Tumbler holder . . . . . K-16149
- Towel bar, 24" . . . . . K-16150
- Towel shelf . . . . . K-16155

#### D. REQUIRED TOOLS AND MATERIALS

- Tape measure
- Assortment of screwdrivers
- Level (24" or longer)
- Pencil
- Electric drill with 5/16" bit
- 1/8" hex head wrench
- 3/32" hex head wrench (K-16143)
- Adjustable wrench
- Clean strap wrench
- Hammer

**NOTE:** Site preparation and wall finishing may require additional tools and materials.

# ROUGHING-IN INFORMATION

Determine the exact mounting location desired.

With the exception of the K-16156 grab bar, do not locate these products in critical support areas.

Allow adequate clearance.

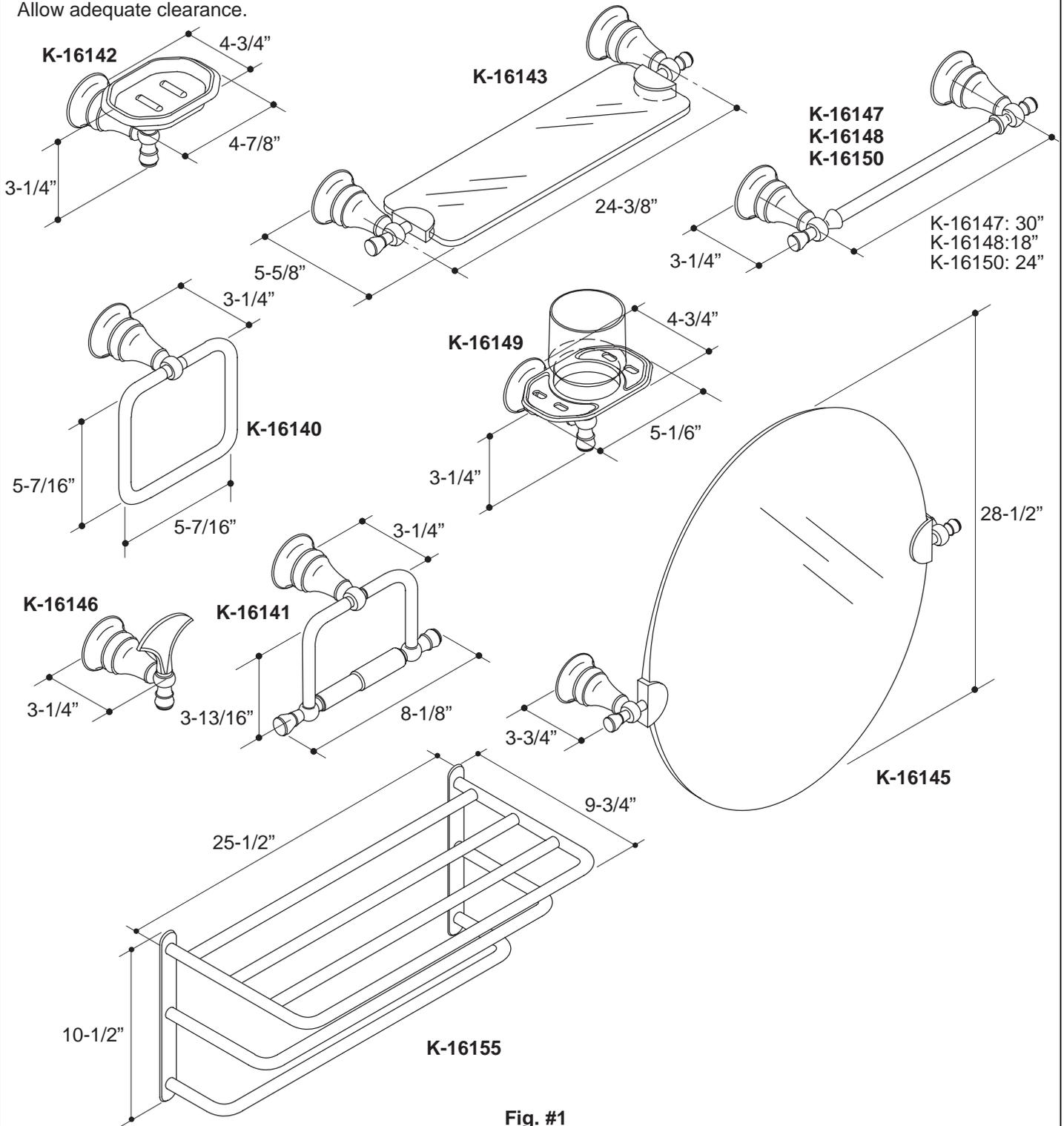


Fig. #1

# TOWEL SHELF AND GRAB BAR INSTALLATION

## A. K-16155 TOWEL SHELF

1. Loosen the setscrew at the bottom of each shelf support. Then remove the brackets from inside the shelf supports.

**NOTE:** Use care to avoid scratching the product finish.

2. Secure the three shelf sections to the shelf supports (large section on top; small section on bottom) using the hex screws provided. Tighten securely.
3. Refer to the roughing-in information on **Page 2**. Then mount the brackets to the wall in the desired location. Be sure to mount the brackets plumb.
4. Set the shelf assembly over the brackets, and securely tighten the setscrews at the bottom of each shelf support. Do not overtighten.

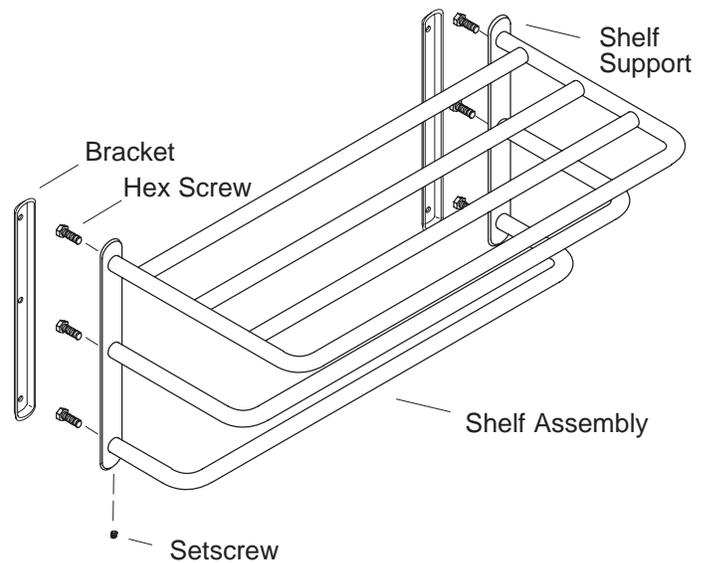


Fig. #2

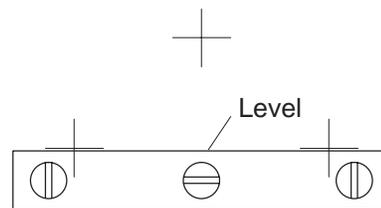
## SITE PREPARATION – WALL PLATES

### A. MARK CENTER POINT LOCATIONS

**NOTE:** For K-16145 Mirror, do not drill mounting holes for second support plate until actual product is measured.

1. Mark the center points of the accessory to be installed.
2. For multiple-post accessories, provide the required distance between center points. **See Fig. #1**. Use a level to ensure that all center points are level.

#### Center Point Single-Post Accessories

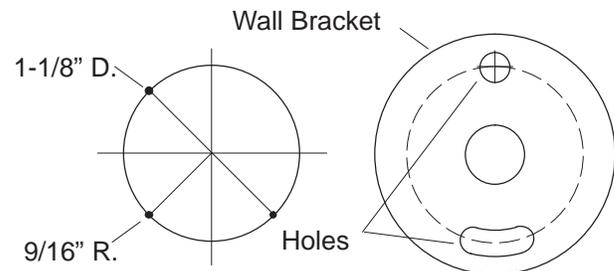


#### Center-to-Center Points Multiple-Post Accessory

Fig. #3

### B. MARK PILOT HOLE LOCATIONS

1. Mark the pilot hole locations vertically  $\frac{9}{16}$ " above and below the center point or center points.
2. Vertically line up holes on the wall plate. Make sure the larger hole is on the bottom.



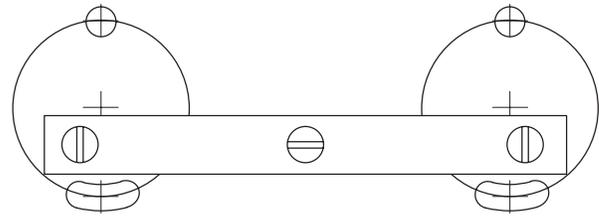
#### Wall Plate Hole Locations

Fig. #4

3. For multiple-post accessories, confirm that the center points are level.

**NOTE:** There is no provision for later adjustment if the center points and resulting pilot holes for multiple-post accessories are not level.

### Multiple-Post Accessory Center-to-Center Points



Wall Plate Hole Locations

Fig. #5

## C. DRILL PILOT HOLES

1. Carefully drill 5/16" mounting holes at all the pilot hole locations previously marked.
2. Use a bit and drilling technique appropriate for the wall material through which you are drilling.

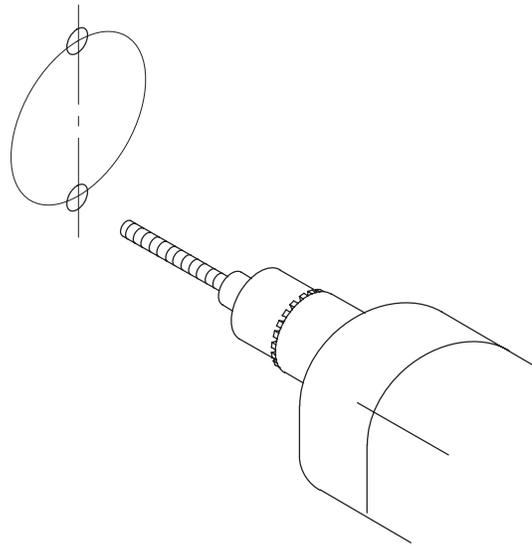


Fig. #6

# WALL PLATE INSTALLATION

## A. INSERT WALL ANCHORS

1. Press and hold the legs of a wall anchor (provided) together, and insert the wall anchor legs into the hole. Insert all wall anchors into the pre-drilled mounting holes.
2. With a hammer, carefully tap each wall anchor until all are flush with the finished surface.

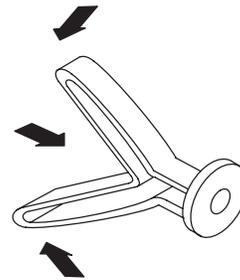


Fig. #7

## B. SPREAD ANCHORS AS NECESSARY

1. If the wall anchor was inserted into a space between the studs, it will be necessary to spread the wall anchor legs.
2. Insert a narrow rod, such as a finishing nail, into the wall anchor hole to spread the legs behind the wall surface.
3. Repeat for all wall anchors inserted between studs.

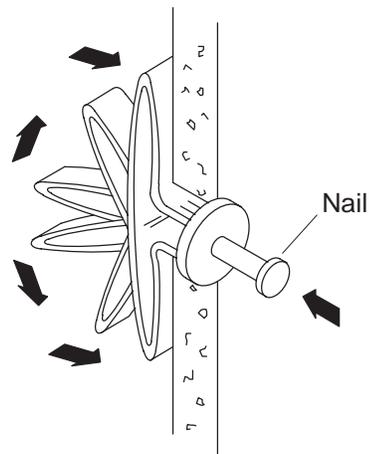


Fig. #8

4. Ensure that the wall anchors are flush with the finished surface.

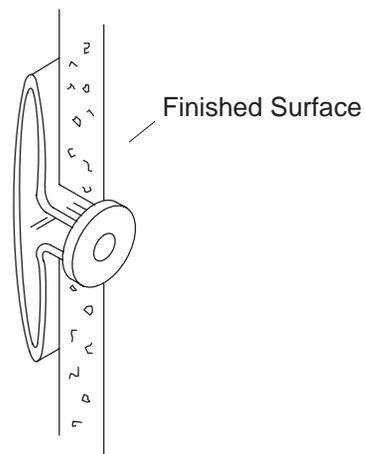
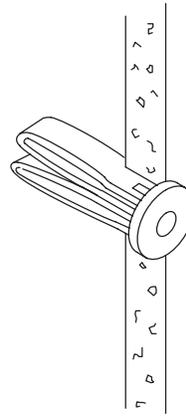


Fig. #9

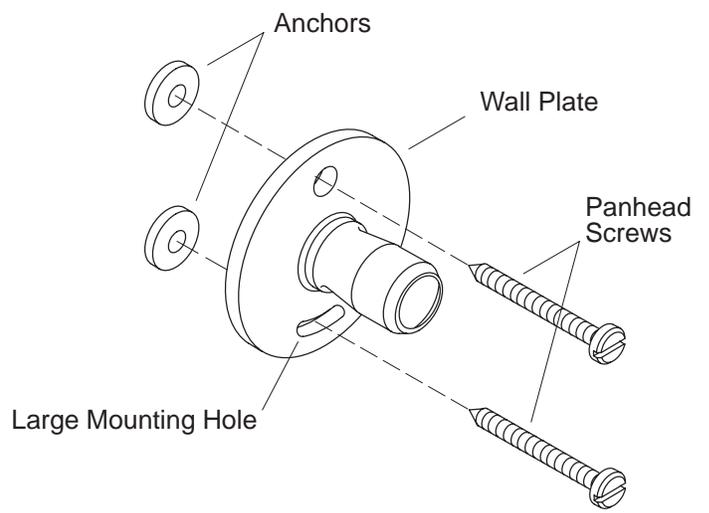
5. If the wall anchors are inserted into a hole in a wall stud, the legs will remain together and provide proper support.



**Fig. #10**

### **C. SECURE WALL PLATE TO ANCHORS**

1. Orient a wall plate with the large mounting hole down as shown.
2. Secure with supplied panhead screws into the centers of the mounting holes.
3. Repeat for all wall plates supplied.



**Fig. #11**

# SINGLE POST ACCESSORY INSTALLATION

## A. K-16141 TOILET TISSUE HOLDER

1. Start setscrew into hole in tissue holder assembly as illustrated.
2. Align tissue holder assembly over wall plate.
3. Tighten setscrew.
4. Insert tissue holder spindle into tissue holder assembly.

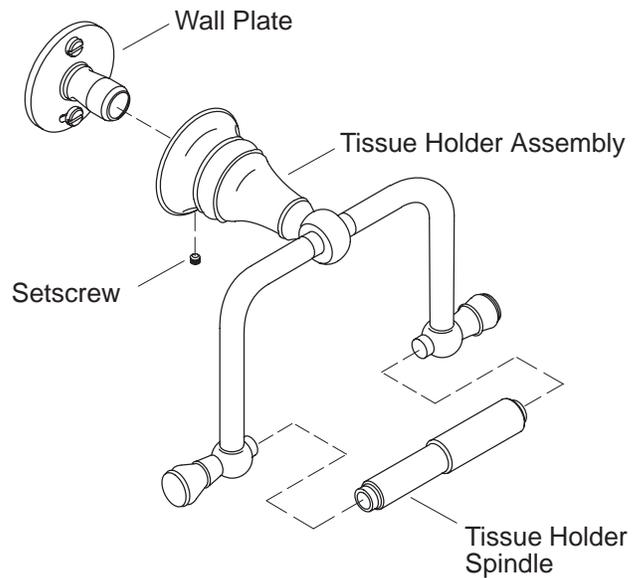


Fig. #12

## B. K-16140 TOWEL RING

1. Set the large end of each insert into the post openings as illustrated.
2. Carefully ease towel ring over over inserts in post.
3. Start setscrew into hole in post.
4. Align post over wall plate.
5. Tighten setscrew.

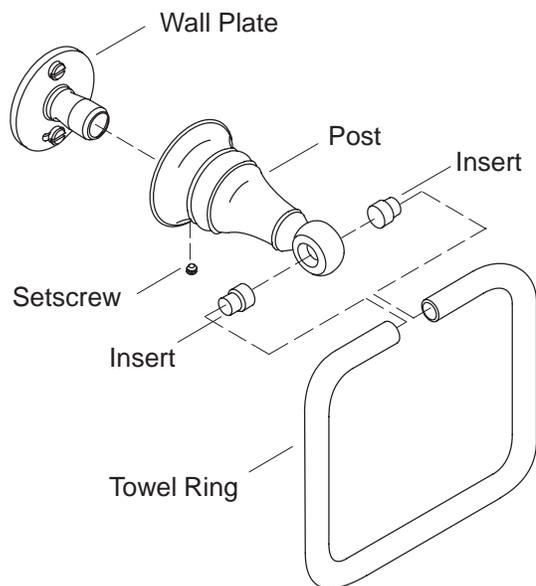


Fig. #13

### C. K-16146 ROBE HOOK

1. Place robe hook through hole in post and secure with knob as illustrated.
2. Start setscrew into hole in post.
3. Align post over wall plate.
4. Tighten setscrew.

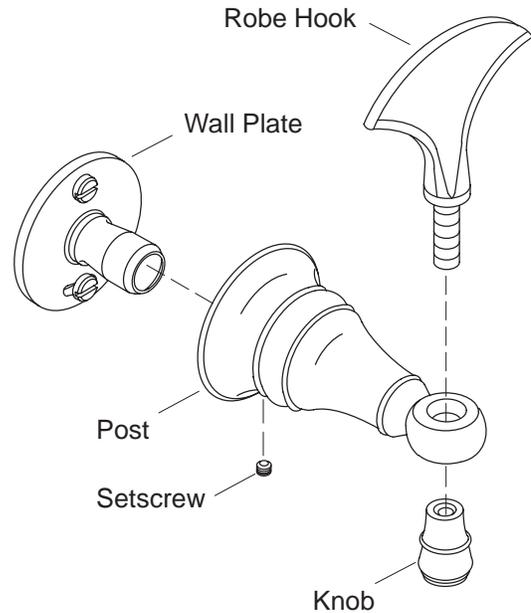


Fig. #14

### D. K-16149 TUMBLER HOLDER

1. Start setscrew into hole in post as illustrated.
2. Thread rod into holder subassembly.
3. Place sleeve over rod, place rod through post, and secure with knob.
4. Align post over wall plate.
5. Tighten setscrew.
6. Place tumbler into holder subassembly recess.

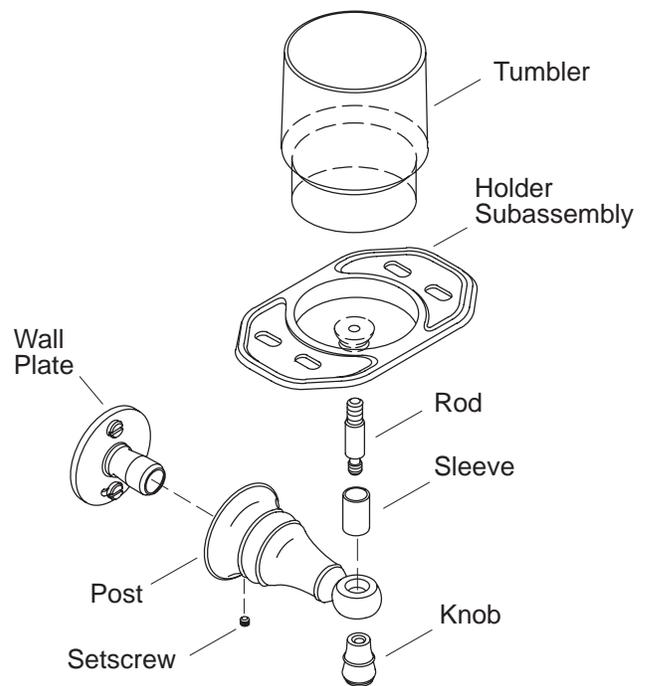
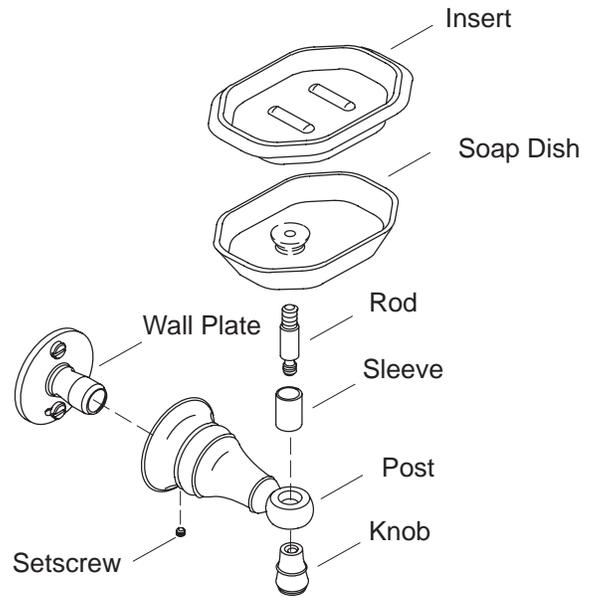


Fig. #15

## E. K-16142 SOAP DISH

1. Start setscrew into hole in post as illustrated.
2. Thread rod into soap dish.
3. Place sleeve over rod, place rod through post, and secure with knob.
4. Align post over wall plate.
5. Tighten setscrew.
6. Place insert into soap dish recess.



**Fig. #16**

## MULTIPLE-POST ACCESSORY INSTALLATION

### A. K-16147, K-16148 TOWEL BARS

1. Place towel bar through one post and secure with a knob.
2. Place a ferrule, small end first, over open end of towel bar.
3. Place sleeve over open end of towel bar.
4. Place a ferrule, large end first, over open end of towel bar.
5. Align second post over towel bar assembly and secure loosely with knob.

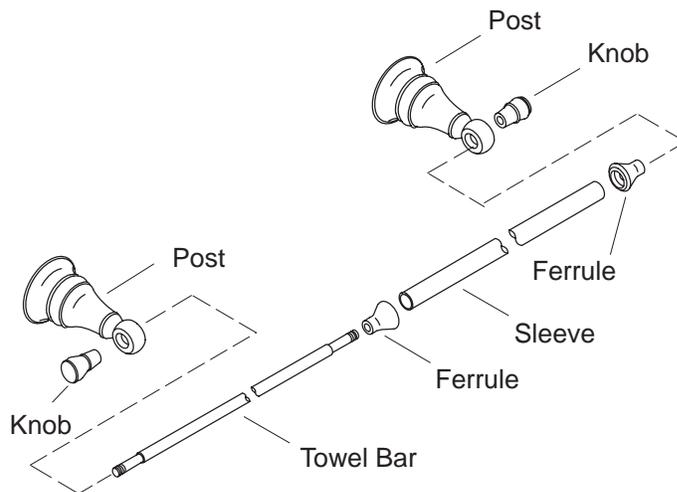


Fig. #17

6. Start a setscrew into each post hole as illustrated.
7. Align towel bar assembly posts post over wall plates.
8. Tighten setscrews.
9. Tighten knobs on towel bar assembly.

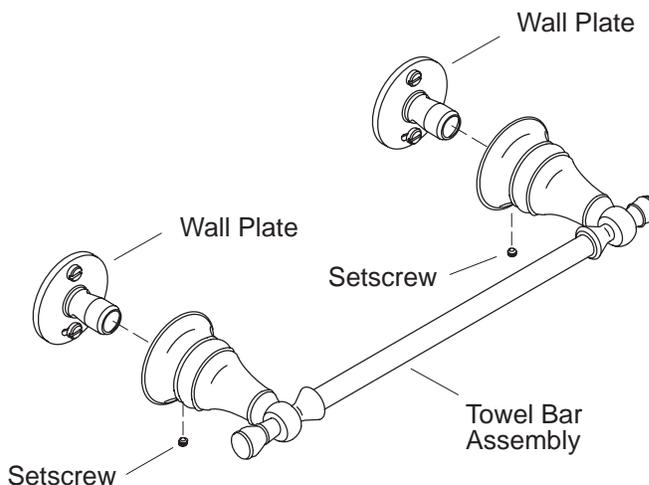


Fig. #18

### B. K-16143 GLASS SHELF

1. Start setscrew into hole in post as illustrated.
2. Thread a stud into a bracket.
3. Place stud through post, and secure with knob.
4. Align post over wall plate.
5. Loosely secure setscrew.
6. Repeat for second post assembly.

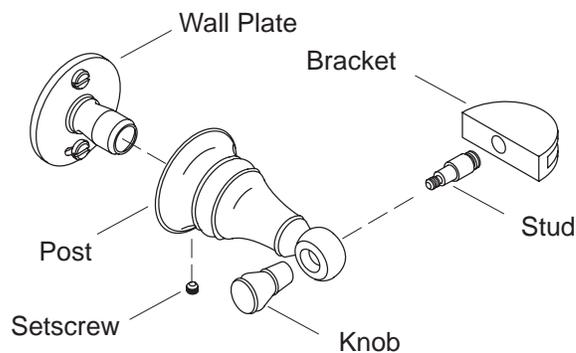
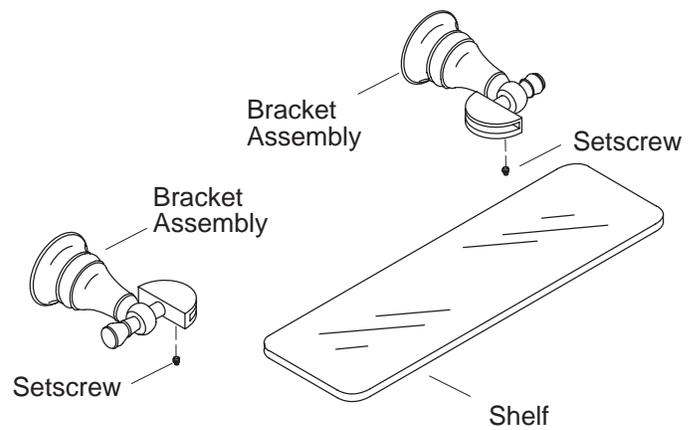


Fig. #19

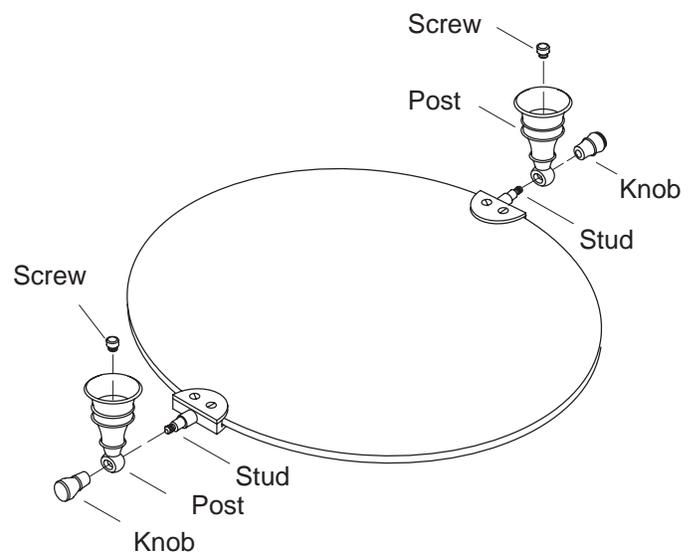
7. Start setscrews into brackets of bracket assembly. Check that screws do not protrude into the recesses for the shelf.
8. Wet ends of shelf with a mild soap solution.
9. Carefully slide shelf into position in brackets; adjust bracket assembly alignment as necessary.
10. Tighten setscrews to secure bracket assemblies to wall plates.



**Fig. #20**

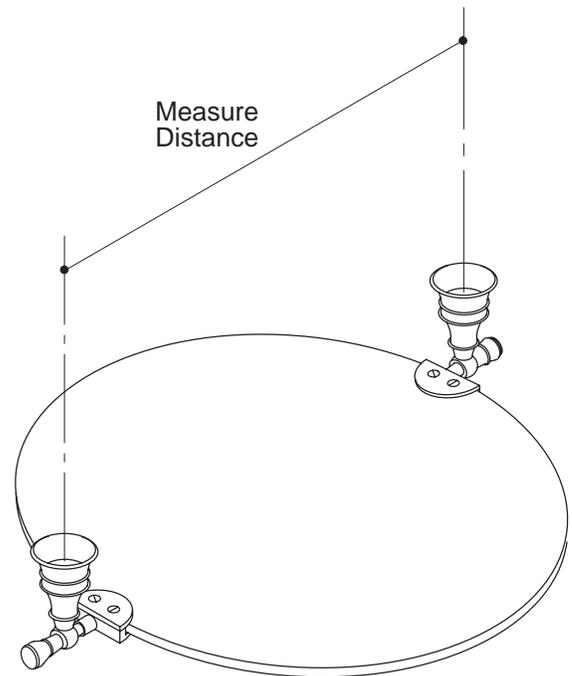
### C. K-16145 MIRROR

1. Place mirror face down on a flat, padded surface.
2. Place a post over over each mirror stud and secure loosely with a knob.
3. Start a screw into the back of each post.
4. Align posts to the same plane for proper mirror angle.
5. Tighten screws and knobs.



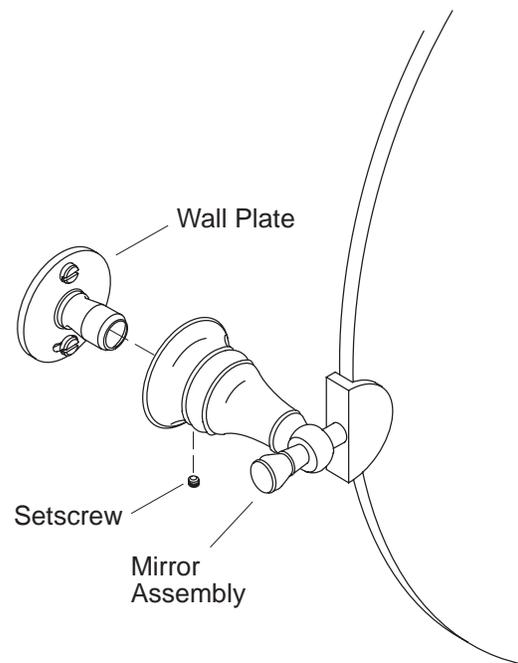
**Fig. #21**

6. Measure the distance between the center-lines of the two posts.
7. Install second wall plate to this dimension. (See Site Preparation and Wall Plate Installation, pages 3-6.)



**Fig. #22**

8. Have a helper align and place mirror assembly over wall plates.
9. Secure with setscrews.



**Fig. #23**