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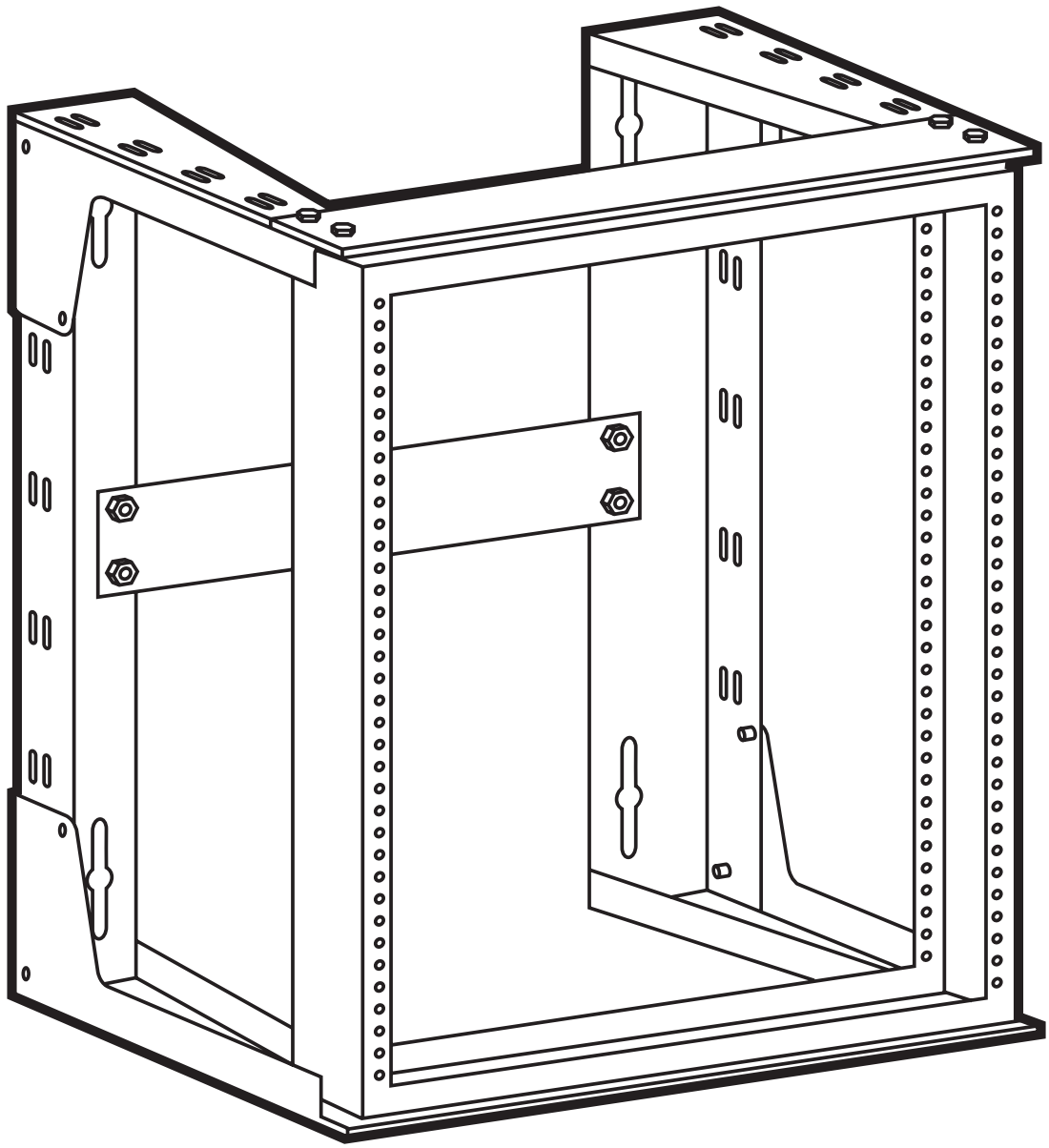
BLACK BOX®
NETWORK SERVICES

SEPTEMBER 2007
RM069A-R3
RM070A-R3
RM080A-R3

Swing-Out Racks



CUSTOMER SUPPORT INFORMATION

Order **toll-free** in the U.S.: Call **877-877-BBOX** (outside U.S. call **724-746-5500**)
FREE technical support 24 hours a day, 7 days a week: Call **724-746-5500** or fax **724-746-0746**
Mailing address: **Black Box Corporation**, 1000 Park Drive, Lawrence, PA 15055-1018
Web site: **www.blackbox.com** • E-mail: **info@blackbox.com**

1. Specifications

Finish: Black powder coat

Hole Spacing: Complies with EIA-310-D (0.625-6.25-0.500)

Hole Tapping: 12-24 front and rear

Load Capacity: 100 lb. (45.4 kg)

Material:
RM069A-R3–RM070A-R3: 14-gauge steel;
RM080A-R3: 12-gauge steel

Mounting: Mounts to most wall types with 5⁄16" hardware (not included)

Rack-Space Capacity:
RM069A-R3: 19U;
RM070A-R3: 12U;
RM080A-R3: 26U
(1U = 1.75" or 44.4 mm vertical)

Size:
RM069A-R3: 36.8"H x 20.6"W x 18"D (93.5 x 52.3 x 45.7 cm);
RM070A-R3: 24.5"H x 20.6"W x 18"D (62.2 x 52.3 x 45.7 cm);
RM080A-R3: 48.8"H x 20.6"W x 18"D (124 x 52.3 x 45.7 cm);
All models' frames are 4" (10.2 cm) deep with mounting front and rear

Shipping Weight:
RM069A-R3: 44 lb. (20 kg);
RM070A-R3: 34 lb. (15.4 kg);
RM080A-R3: 54 lb. (24.5 kg)

2. Introduction

The Swing-Out Rack is a wallmount rack that makes the tedious task of installing and maintaining your site wiring a little easier. Because it has unique spring-loaded hinges and release pins, you can easily unlatch and swing open the front part of the rack frame to mount, dismount, and cable devices. What's more, the rack is simple to assemble. We offer three models: The RM070A-R3 is 12U high; the RM069A-R3 is 19U high; and the RM080A-R3 is 26U high.

Some of the Swing-Out Rack's other useful features:

- Can open to the left or right.
- 18" (45.7 cm) deep to accommodate even large devices.
- Made of 14- or 12-gauge steel to support up to 100 lb. (45.4 kg).
- Holes tapped 12-24 front and rear.
- Hole spacing complies with EIA-310-D.
- Wide keyhole spacing and 16" stud-mounting centers so that one person can wallmount the rack.
- 0.25 x 1" cutouts for cable management

You should have received the following components with your Swing-Out Rack. Refer to Figure 2-1 on the next page as you identify where each part goes.

Item 1 (2) Braces (one each for the top and bottom)

Item 2 (1) Swing-frame assembly

Item 3 (2) Side brace assemblies

Item 4 (1) Rear brace panel

Item 5 (4) #10-32 self-locking nylon acorn nuts

Item 6 (8) #10-32 x ¼" Phillips panhead screws

Item 7 (50) #12-24 x ½" Phillips panhead screws (used to mount equipment to the rack)

Item 8 (2) ¼-20 x ¾" Phillips 82˚ flathead screws with nylon locking pellets

Item 9 (2) nylon spacers

You will also need a ⅜" nut driver and a Phillips screwdriver to assemble the Swing-Out Rack.

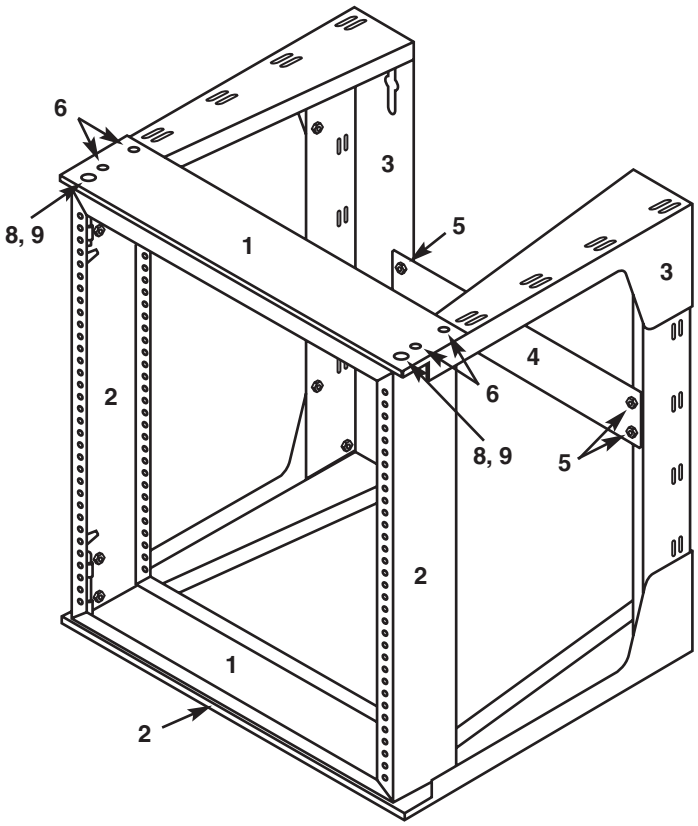


Figure 2-1. Construction of the Swing-Out Rack.

3. Installation

3.1 Part 1: Attaching the Braces

1. Place the rear brace onto the four threaded studs on the two side brace assemblies. Secure it with all four of the included #10-32 self-locking nylon acorn nuts. Tighten the nuts with a ⅜" nut driver.

2. Attach the top and bottom braces to the side brace assemblies with all eight included #10-32 x ¼" Phillips panhead screws. (These screw directly into the captive receptacles in the side brace assemblies.) The large formed edges of the top and bottom braces mount toward the rear of the rack and the inside of its swing frame.

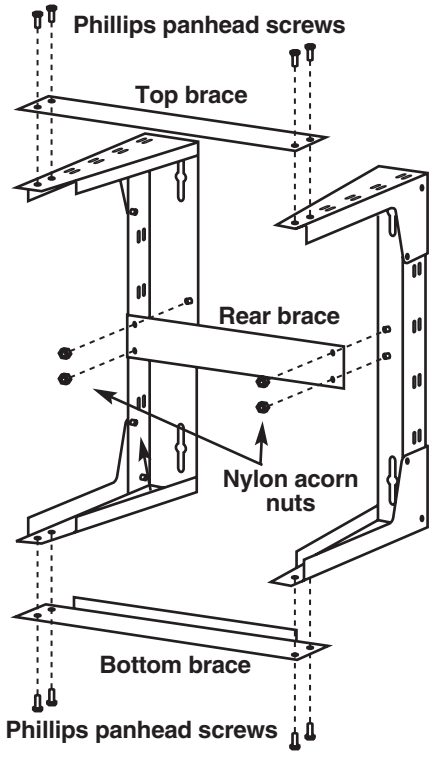


Figure 3-1. Attaching the braces.

3.2 Part 2: Orienting the Swing Frame

The Swing-Out Rack can be hinged on either side with the retractable locking pins. Just decide which side you want it to open on, and orient the swing frame so that the locking pins (a) are on that side and (b) will be close to the front of the rack when you install the frame. Don't attach the swing frame yet, though. (Once you attach the frame in Part 3, you'll be able to open it by retracting both the top and bottom pins and pulling it open as you would a door.)

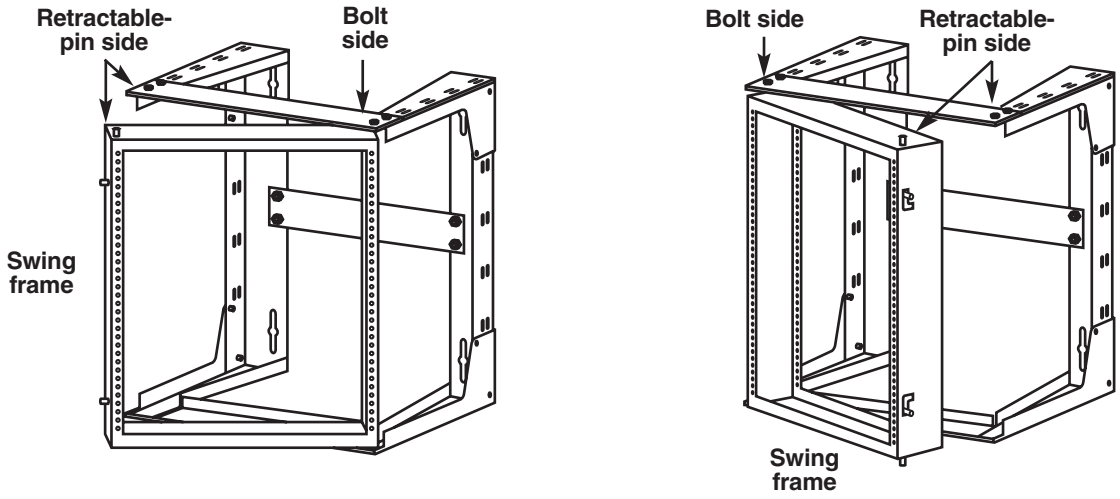


Figure 3-2. Orienting the swing frame so that it will open on the left or on the right.

3.3 Part 3: Wallmounting and Final Assembly

1. Mount the rack's rear assembly to the wall with four lag screws (not included). (This should be done by experienced technicians only!) Mounting locations are shown in Figure 3-3.

2. Retract both locking pins on the swing frame. (These pins can be locked out for ease of assembly by retracting the outside pin handle and rotating the pin into the provided slot.)

3. Place the swing frame in position between the top and bottom braces. Align the lower locking pin and release it into the corresponding hole in the bottom brace. Align the upper locking pin and release it into the corresponding hole in the top brace.

4. Place one of the included ¼-20 x ¾" Phillips screws up through the holes in the bottom brace and the bottom of the swing frame, on the opposite side from the locking pins. Place one of the included nylon spacers over this screw's exposed threads, inside the swing frame.

5. Place the other included ¼-20 x ¾" Phillips screw down through the matching holes in the top brace and the top of the swing frame. Place the other included nylon spacer over this screw's exposed threads.

6. Close the swing frame. Tighten both screws by screwing them into the nuts in the swing frame.

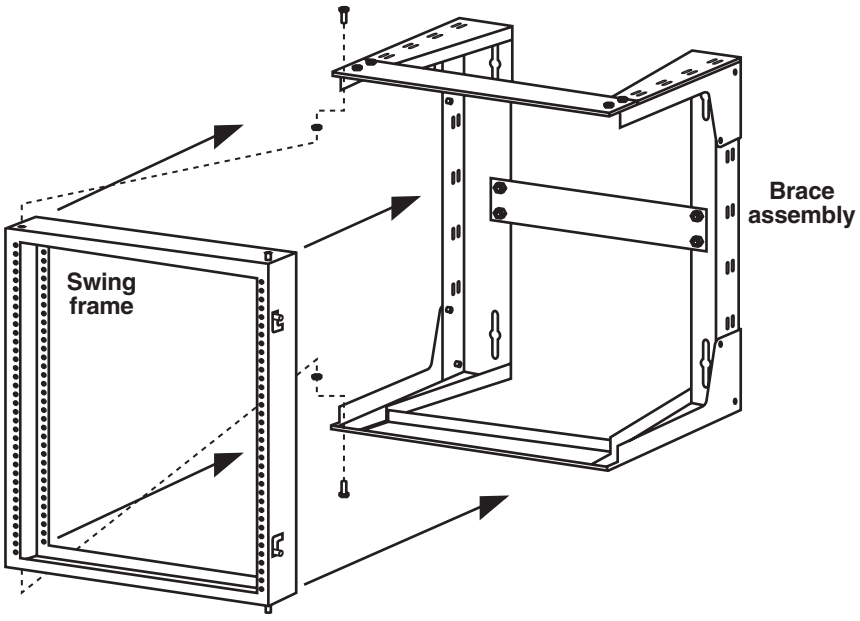


Figure 3-3. Final assembly (shown with swing frame oriented so locking pins are on right).

4. Troubleshooting

4.1 Calling Black Box

If you have any problems with your Swing-Out Rack, contact Black Box Technical Support at 724-746-5500.

Before you do, make a record of the history of the problem. We will be able to provide more efficient and accurate assistance if you have a complete description, including:

- the nature and duration of the problem;
- when the problem occurs;
- the components involved in the problem;
- any particular application that, when used, appears to create the problem or make it worse; and
- the results of any testing you've already done.

4.2 Shipping and Packaging

If you need to transport or ship your Swing-Out Rack:

- Package it carefully. We recommend that you use the original container.
- Before you ship the rack back to Black Box for repair or return, contact us to get a Return Authorization (RA) number.

NOTES