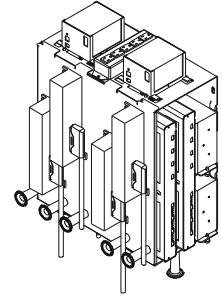




Speedway™ Installation Kit

Part Number: 710-0007



Assembly and Installation Instructions

Packing List

1. One Speedway base assembly with one 5-position power outlet strip mounted
2. One Speedway front cover with one S66M1-50 wiring terminal block mounted
3. One 50-pin Amphenol cable, three feet long
4. Three wiring distribution spools
5. Six pieces, #8 x 3/4" self-tapping screws – CAC PN 004-0423) (for mounting to 3/4" plywood backing)
6. Six pieces, #8 x 2 1/2" drywall screws – CAC PN 004-0421 (for mounting through drywall to wood studs)
7. Six pieces, #8 x 2 3/8" fine-thread self-drilling screws – CAC PN 004-0422 (for mounting through drywall to steel studs)
8. Four pieces, 3/8" masonry anchors – CAC PN 004-0424 (for mounting to masonry walls)
9. Three pieces, cable ties and three cable tie attachments
10. One instruction booklet, PN 002-0106 (including full-sized hole template – attachment n)

Tools and Supplies Required for Installation:

1. An electric power screwdriver or drill suitable for drilling holes in masonry, and for driving drywall screws.
2. One 11/64" (5/32" maximum) drill bit for plywood for #8 drywall screws (optional, if the plywood is hard enough to require pre-drilling, or if you will be driving the screws by hand).

3. One 3/8" carbide masonry drill bit manufactured to ANSI B94.12-77 diameter standards (only required for masonry mounting).
4. One #2 Phillips screwdriver tip for power driver, or one hand screwdriver with a #2 Phillips tip.
5. One wrench to fit 1/2" hex nuts (only required for masonry mounting)

Mounting and Assembling the Speedway

CAUTION: Use all provided fasteners (six for plywood or drywall/studs, four for masonry) to mount the Speedway. The weight of the loaded Speedway (130 pounds) requires a secure mounting. When mounting on drywall, the six screws **MUST** anchor in the wall studs. If you mount the Speedway on 3/4" plywood, the plywood must be securely mounted with screws that anchor in wall studs (24" centers maximum) behind the drywall, or adequately secured to masonry.

WARNING: If an improperly mounted Speedway should fall it can cause serious injury and/or equipment damage.

Mounting Multiple Speedways on the Same Wall

- We **DO NOT** recommend mounting one Speedway above another on the same wall.
- We recommend mounting multiple Speedways at least 16 inches apart, horizontally aligned.

Mounting the Speedway Base Assembly on Plywood or Drywall Backed with Studs on 16" Centers (See Figure 1)

NOTE: If the wall studs are other than 16" centers, mount a piece of 3/4" plywood to the wall before mounting the Speedway, ensuring that the plywood fasteners are secured in the wall studs.

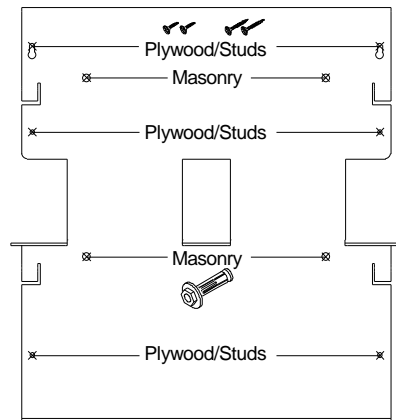


Figure 1 The Speedway Mounting Template

1. Using the full-sized template included in the kit, mark the locations of the six holes marked for Plywood/Studs at the required height, centering the holes over two studs on 16" centers if you are not using plywood.

See Figure 2 for mounting the Speedway on 3/4 inch plywood. See Figure 3 for mounting the Speedway on drywall backed with studs on 16 inch centers.

2. Partially drive two mounting screws into the upper two locations (keyhole shaped holes), leaving the screw heads approximately 1/8" away from the surface.
3. Using the keyhole-shaped holes, hang the base assembly on the two screws and drive the other four screws through the remaining 1/4" round holes to fasten the assembly securely to the surface.
4. Tighten the first two (top) screws.

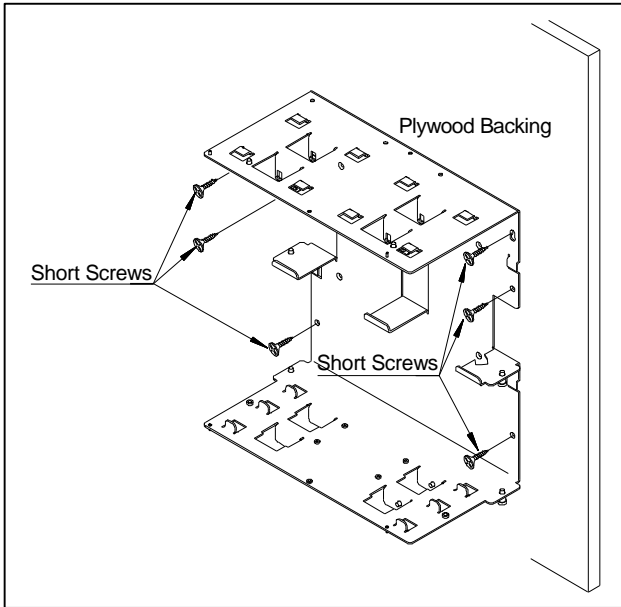


Figure 2: Mounting on 3/4" Plywood

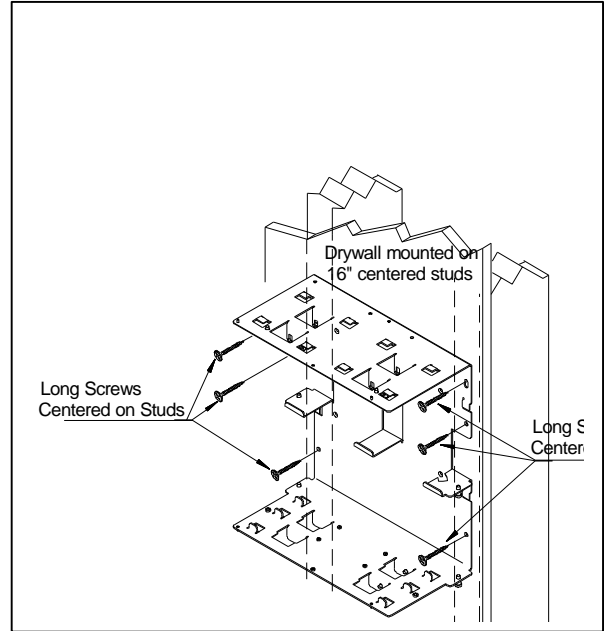


Figure 3: Mounting on Drywall Backed with 16" Center Studs

NOTE: In Figures 2, 3, and 4, the pre-mounted power strip has been omitted to enhance the clarity of the illustrations.

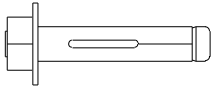
Mounting the Speedway Base Assembly on Masonry

See Figure 4

CAUTION: Always wear safety glasses and other necessary protective devices or apparel when drilling masonry and installing anchors.

1. Using the full-sized template (see also Figure 1) mark the location of the four holes marked Masonry at the required height.
2. Using a 3/8" masonry drill, drill the four holes 2" deep into the masonry. Clean the debris from the holes.

3. Ensure that the anchors are assembled as shown below. The anchor must not be expanded, and the washers and nuts must be installed and gently positioned against the sleeve.



4. Insert the masonry anchors in the holes so that the washers are flush with the wall.
5. Expand the anchors (tighten nut two to three turns) so they are firmly anchored in the wall. Remove the washers and nuts.
6. Hang the Speedway base assembly on the anchor bolts and re-install and tighten the washers and nuts.

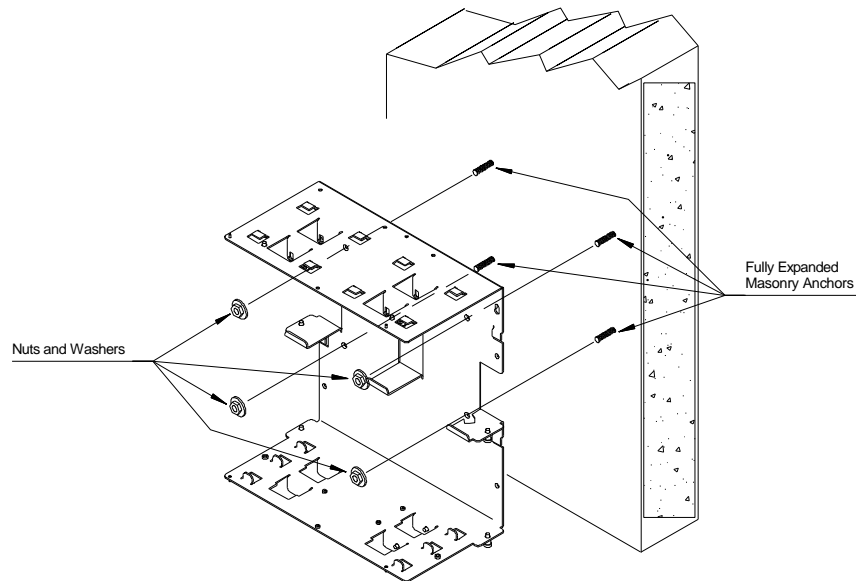


Figure 4 Mounting the Speedway on Masonry

Installing the Power Converter, and Battery Unit

See Figure 5

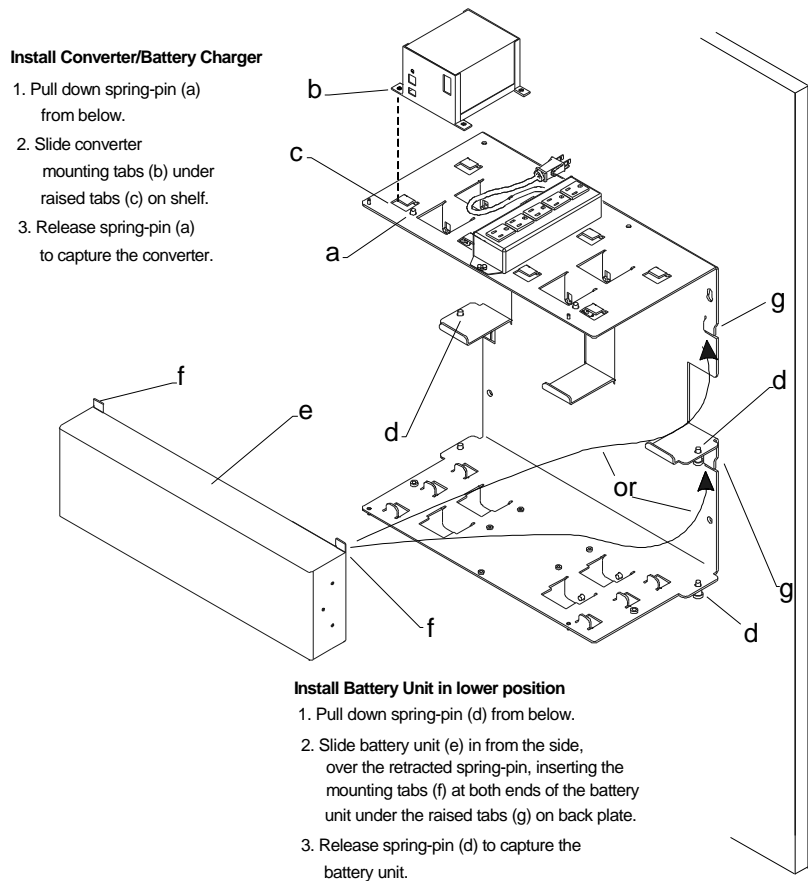


Figure 5

Installing the Access Bank

See Figure 6

1. Mount the Access Bank at the inner position, nearest the back plate.

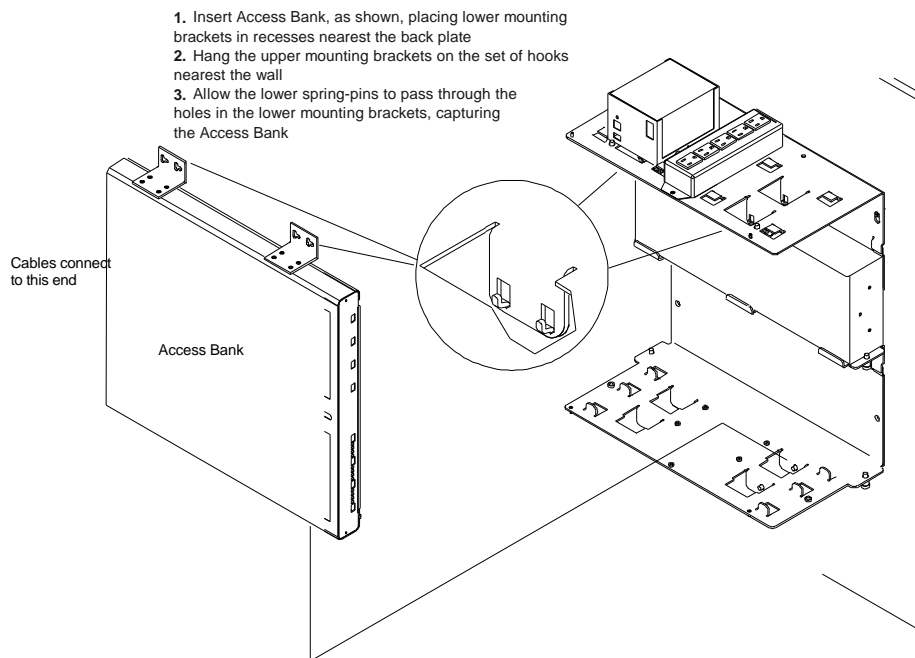


Figure 6

Installing the Front Cover, Wiring Block, and Distribution Spools

See Figure 7

1. Slip the slots in the top flange of the front cover over the pins in the top plate of the case, interlocking the offset flanges of the cover with the top plate.
2. Slide the front cover to the left to engage the pins, and tighten the thumbscrew at the bottom center of the front cover.
3. Mount the S66M1-50 wiring terminal block on the front cover if it is not already mounted (there are four positions available) using two #8-32 x 1/2" machine screws.
4. Mount the three wiring distribution spools on the Speedway, similar to the arrangement shown in Figure 7, if they are not already mounted.

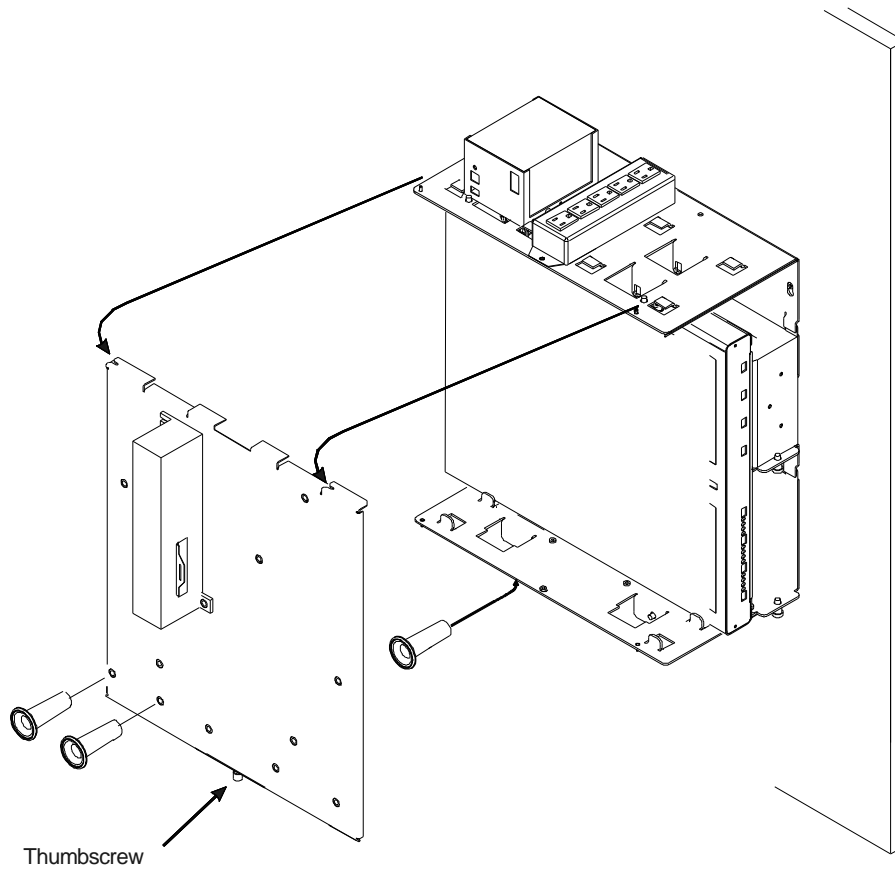


Figure 7

Adding Additional Components

If you are installing a second Access Bank, power converter, and battery backup unit, use an accessory kit that includes one cable, one wiring block (including mounting screws), and one wiring distribution spool.

Mount these additional components in the same manner as the first components, in the vacant positions.

1. Mount any additional S66M1-50 wiring terminal blocks and wiring distribution spools to the front cover.
2. Connect tip and ring cables to S66M1-50 wiring terminal block and the Access Bank units.
3. Complete external wiring to the S66M1-50 wiring terminal block.

The following figure shows the Speedway fully loaded.

