



**Walker® Infloor Systems**

# RC3 Replacement Scrub Water Cover Assembly Kit INSTALLATION INSTRUCTIONS

Installation Instruction No.: 1 001 588 R1 – Updated December 2003

Walker® electrical systems conform to and should be properly grounded in compliance with requirements of the current National Electrical Code or codes administered by local authorities.

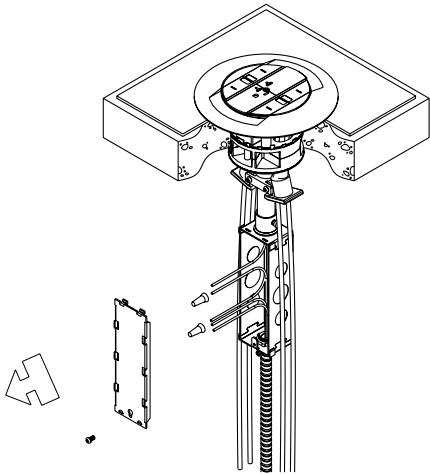
All electrical products may present a possible shock or fire hazard if improperly installed or used. Walker electrical products may bear the mark as UL Listed and/or Classified and should be installed in conformance with current local and/or the National Electrical Code.

## **IMPORTANT – PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING.**

**Products Covered: RC3KTC**

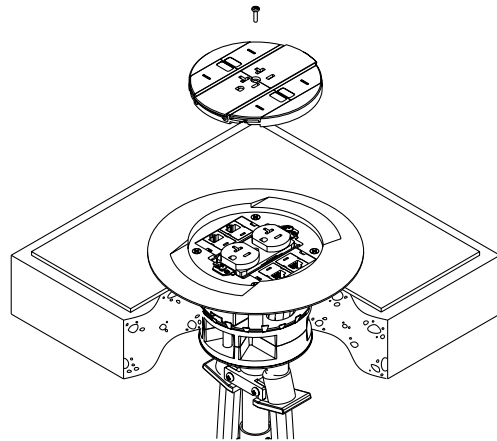
**CAUTION:** Do Not operate tile stripper or resurfacing equipment over top of covers.  
This may result in damage to the surface finish of the product.

**Step 1.** Remove junction box cover and disconnect wires.

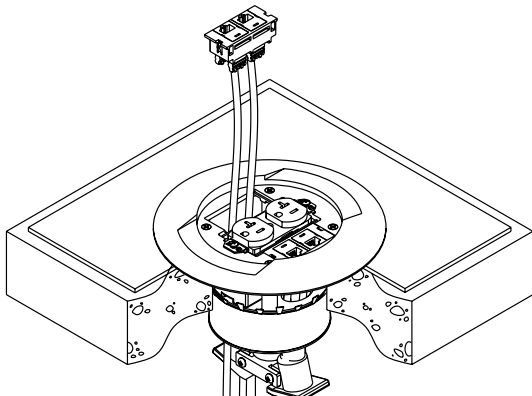


**CAUTION:** De-energize circuit before removing junction box cover.

**Step 2.** Remove slide holder.

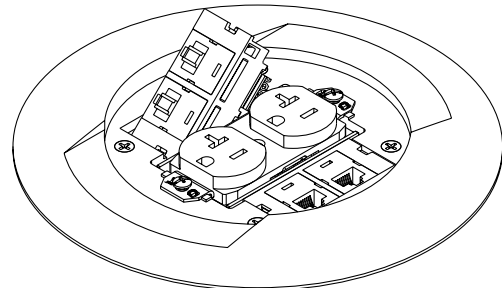


**Step 3.** Release communication jacks and bezel from trim flange. Do not disconnect the communication wires from jacks.

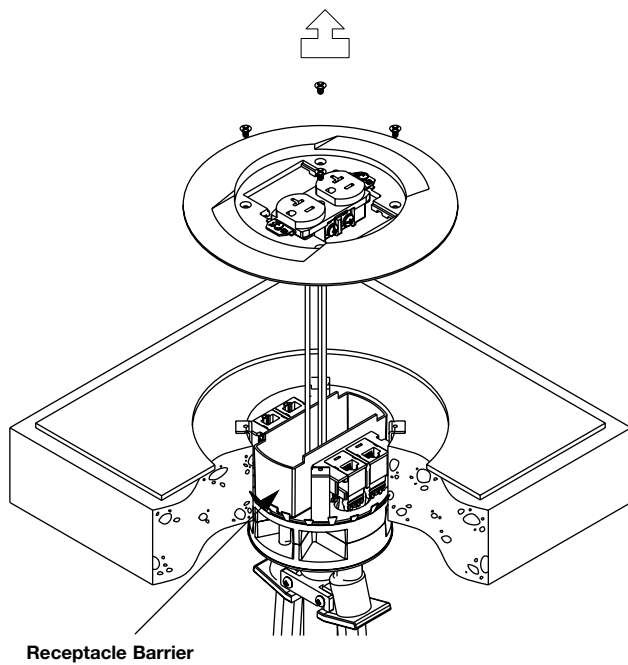


**Step 4.** Rotate jack and push through flange as shown below.

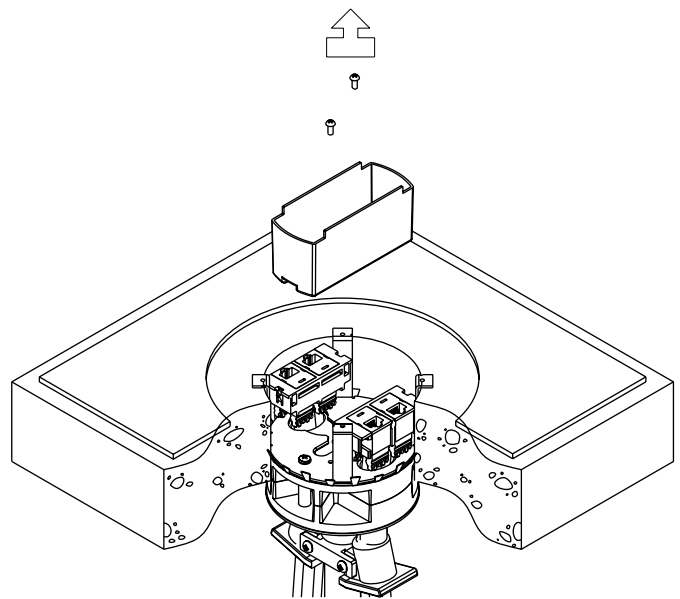
Repeat Steps 3 through 4 for the second jack.



**Step 5.** Remove trim flange.

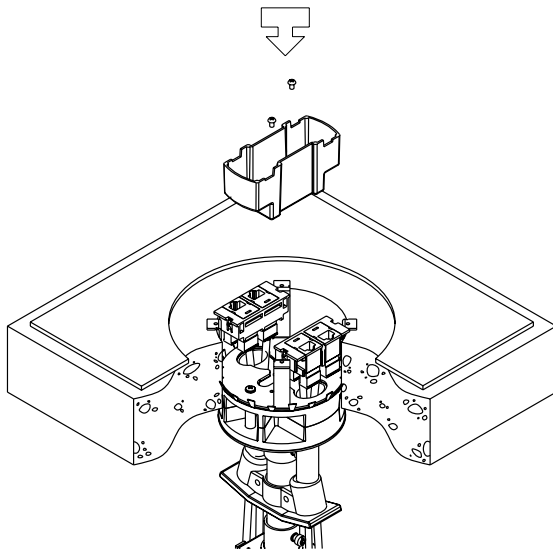


**Step 6.** Remove receptacle barrier.

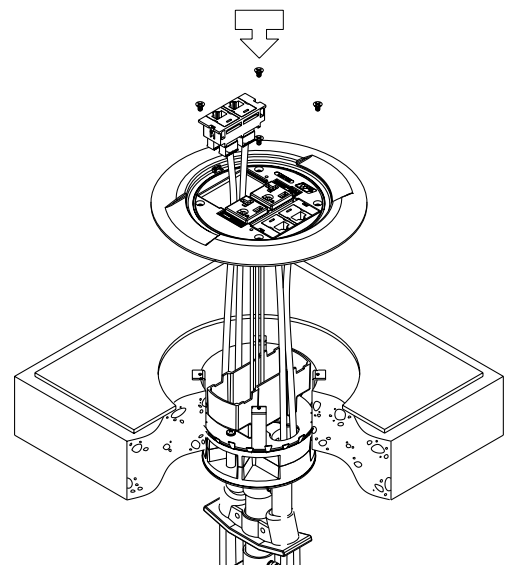


**NOTE:** Make sure that the carpet cutout is a 7" [177mm] dia. cutout. If the carpet cutout is not 7" [177mm] diameter, use template which is provided on the back of this instruction sheet to make the correct opening in the carpet.

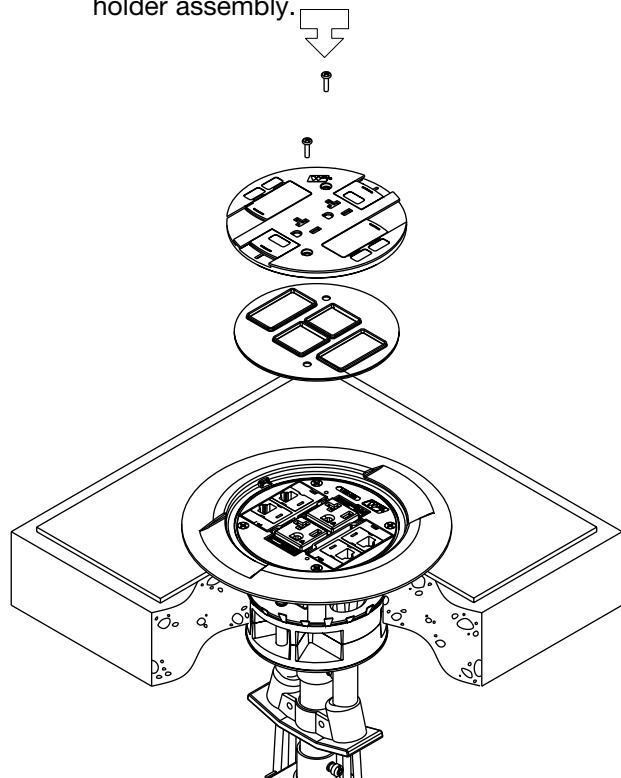
**Step 7.** Install new receptacle barrier.



**Step 8.** Feed communication jacks through the trim flange and snap into place. Attach trim flange to stem assembly with the four #6-32 screws provided



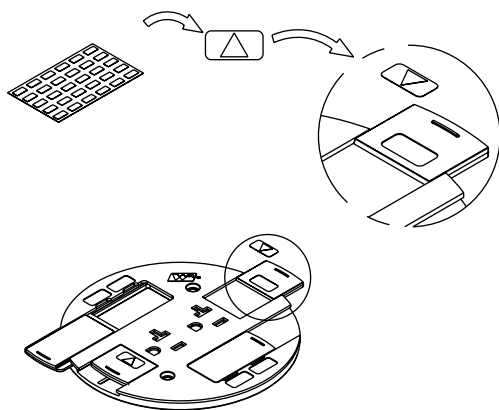
**Step 9.** Attach internal gasket and slide holder assembly.



**CAUTION:** Gasket must be set in place to provide scrub water seal.

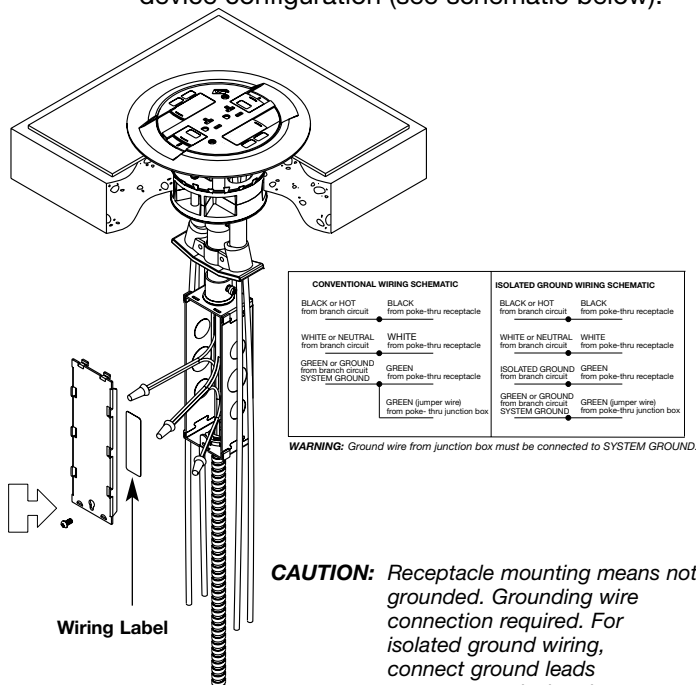
**CAUTION:** Do not over tighten cover mounting screws.

**Step 11.** If circuit is connected to an isolated ground, apply IG icon on receptacle slide as shown.

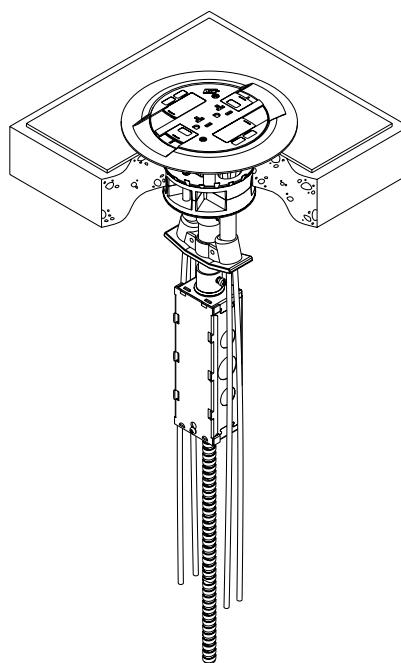


**NOTE:** The orange triangle shall only be placed on devices that are wired for isolated ground. See NEC 250-146(d).

**Step 10.** Stick wiring label on the inside of the junction box cover. Reattach receptacle wires and junction box cover. Connect Poke-Thru conductors according to required device configuration (see schematic below).



**Step 8.** Completed installation.



**The RC3TC Series Poke-Thru Device is UL Listed and Classified to U.S. and Canadian safety standards to the following conditions:**

The RC3STC Poke-Thru Stem with the RC3CTC Service Head Fitting or the RC3KTC Conversion Kit Assembly, the RC3ATC factory assembled Poke-Thru device, and the RC3APTC Abandonment Fitting are for use with 1-, 1 1/2-, or 2-hour rated unprotected reinforced concrete floors and 1-, 1 1/2-, or 2-hour rated floors employing unprotected steel floor units and concrete topping (D900 Series Designs), or concrete floors with suspended ceilings. (Fire resistive designs with suspended ceilings should have provisions for accessibility in the ceiling area below the poke-thru fittings).

The assembled Poke-Thru stem and service fitting or the abandonment fittings will not reduce the ratings of the floor assembly when the thickness and type of concrete (required for the specific rating) are within the specified limits and the fittings are installed as specified:

1. **Spacing** – Minimum of 2' [610mm] OC and not more than one unit per 65 sq. ft. [6 sq. m] of floor area in each span.
2. **Concrete** – Minimum thickness of structural concrete topping of 2 1/4" [57mm] over metal deck or a minimum 3" [76mm] thick reinforced concrete slab. Unit weight of concrete to be 110 to 155 pcf.
3. **Installation** – Mounted in a 4" [102mm] diameter core-drilled hole in concrete per installation instructions accompanying the fittings or abandonment fittings. For use with power circuits and communication cables as tabulated below:

| POKE-THRU FITTING TYPE | SERVICE FITTING TYPE | POWER CONDUCTORS (A)                          | COMMUNICATION CONDUCTORS (B)                    |
|------------------------|----------------------|---|---|
| RC3ATC                 | –                    | 3<br>(.01536 sq in.) [9.9103mm <sup>2</sup> ] | 32<br>(.01600 sq. in.) [10.323mm <sup>2</sup> ] |
| RC3STC                 | RC3CTC               | 3<br>(.01536 sq in.) 9.9103mm <sup>2</sup> ]  | 32<br>(.01600 sq. in.) [10.323mm <sup>2</sup> ] |
| RC3STC                 | RC3KTC               | 3<br>(.01536 sq in.) 9.9103mm <sup>2</sup> ]  | 32<br>(.01600 sq. in.) [10.323mm <sup>2</sup> ] |

The "TC" suffix letters indicate that device may be installed on tile or carpet covered concrete floors. All catalog numbers may have an "RT" suffix to indicate units supplied with Ortronics, Inc. communication modules and accessories. The "LJB" suffix letters indicate units supplied without a junction box. The "25" suffix numbers indicate units supplied with 25 foot receptacle leads.

- (A) Maximum number of No. 12 AWG Type THHN conductors in power compartment of Poke-Thru fitting.
- (B) Maximum number of 22 AWG conductors in low voltage compartment of poke-thru fitting (4-pair cables have (8) conductors). When conductors larger than No. 22 AWG are used, the aggregate cross-sectional area of the copper conductors shall not exceed the aggregate cross-sectional area of the 22 AWG conductors permitted in the low voltage compartment.

| Copper Cross Sectional Area of Commonly Used Conductors |  |
|---|--|
| Size  | Solid                                    |
| #24   | .00032 sq. in. [.20645mm <sup>2</sup> ]  |
| #22   | .00050 sq. in. [.32258mm <sup>2</sup> ]  |
| #14   | .00323 sq. in. [2.08386mm <sup>2</sup> ] |
| #12   | .00512 sq. in. [3.30321mm <sup>2</sup> ] |
| #10   | .00815 sq. in. [5.25805mm <sup>2</sup> ] |
| # 8   | .01296 sq. in. [8.36127mm <sup>2</sup> ] |

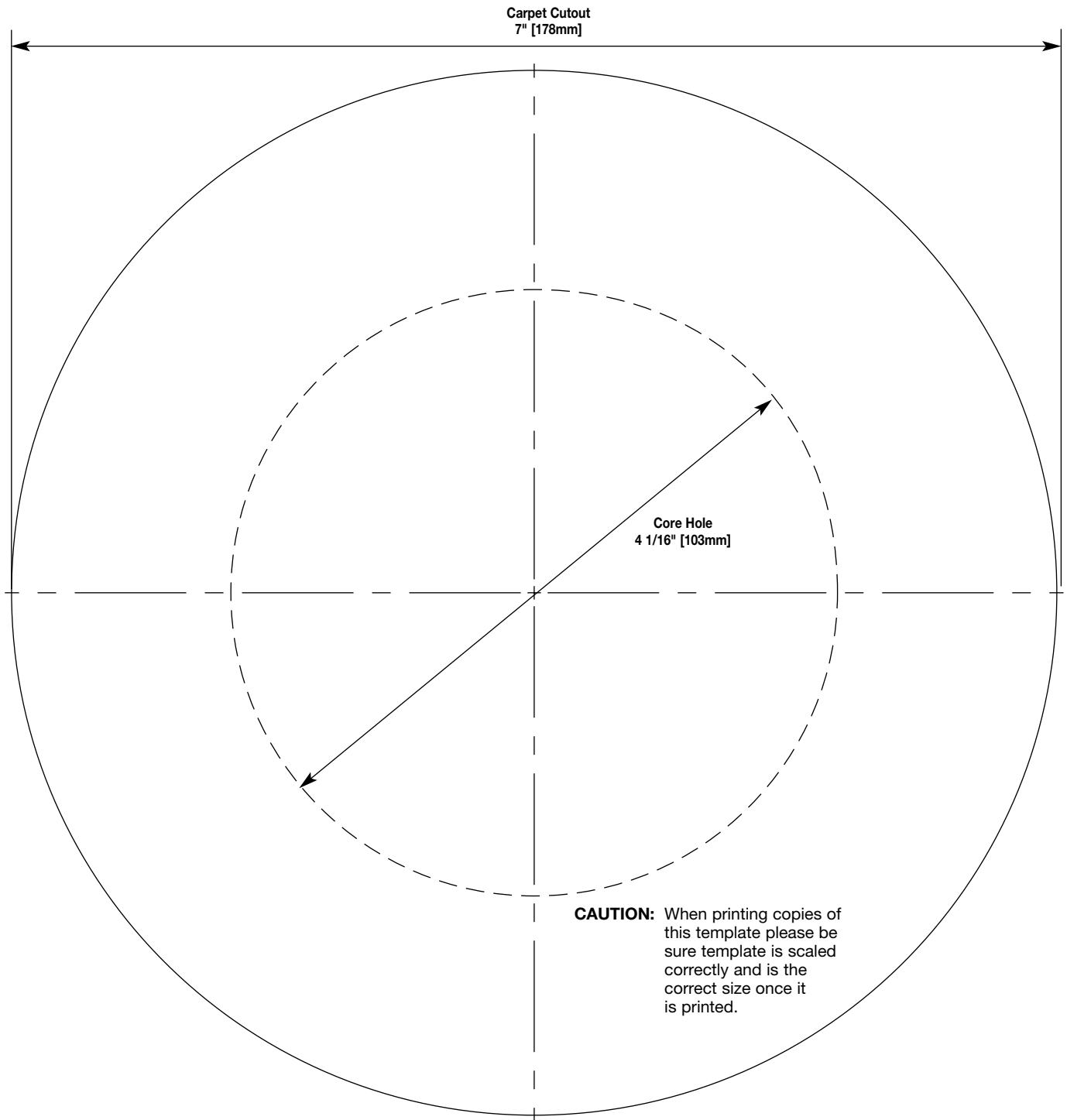
**NOTE:** Use above values for solid or stranded conductors.

**For use on carpet covered and tile floors up to 3/4" [19.1mm] thick.**

**CAUTION:** Receptacle supplied with this Poke-Thru is not suitable for direct field wiring. Contact manufacturer for replacement. Field modifications will void UL Listing and Classification. Replacement receptacle is limited to this manufacturers' Catalog No. RC37REC or RC37REC-25.

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## CARPET CUTOUT TEMPLATE





***The Wiremold Company***

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