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1. INTRODUCTION

This instruction sheet provides installation procedures for the Undercarpet Flush Floor Service Box Activation Kit 555038-1 (blank), 555038-2 (1-gang), and 555038-3 (2-gang). Each kit is designed to level the box surface for installation of the box cover, provide separation where required of power and communications/data cabling systems, and function as a distribution point for power and communications/data systems.

NOTE



For instruction regarding Flush Floor Service Box 555039-1 installation into concrete floor, refer to Instruction Sheet 408-3118.

2. DESCRIPTION (Figure 1)

The Flush Floor Service Box Activation Kit includes one leveling ring, four 10-32 x 3/4 in. round head leveling ring screws, four 10-32 x 3/4 in. flat head leveling ring hold-down screws, four 10-32 x 1/2 in. flat head cover screws with washers, four cover foam sealing washers, and the following quantities of additional components:

- Blank Activation Kit 555038-1: no additional components
- Activation Kit 555038-2 (1-Gang): one single duplex blank cover plate, four 8-32 x 3/8 in. flat head blank cover plate screws, one single duplex receptacle support plate, one brass single duplex cover, one 6-32 x 1/2 in. flat head brass duplex support plate screw, four 8-32 x 3/4 in. flat head brass duplex cover screws, and three single duplex cover gaskets.
- Activation Kit 555038-3 (2-Gang): two single duplex receptacle support plates, two brass single duplex covers, two 6-32 x 1/2 in. flat head brass duplex support plate screws, eight 8-32 x 3/4 in. flat head brass duplex cover screws, four single duplex cover gaskets, one power/communications separator plate assembly, and two 6-32 x 3/16 in. pan head separator plate assembly hold-down screws.

The following parts are also available (See Figure 3):

- Partition Kit 555040-1: includes one partition and two 10-32 x 3/8 in. pan head hold-down screws.
- Bridge Kit 555041-1: includes one bridge.

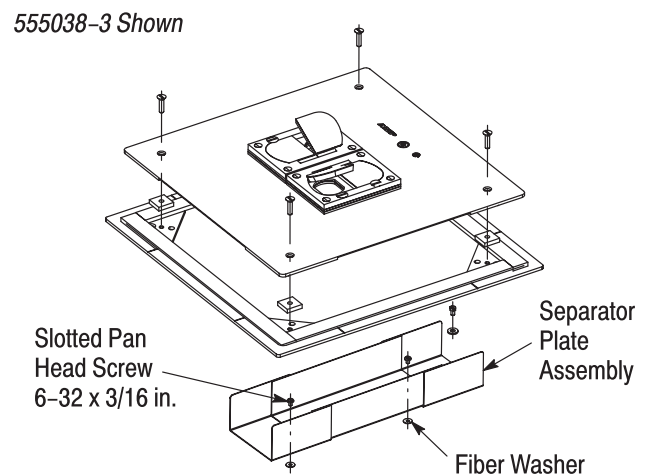
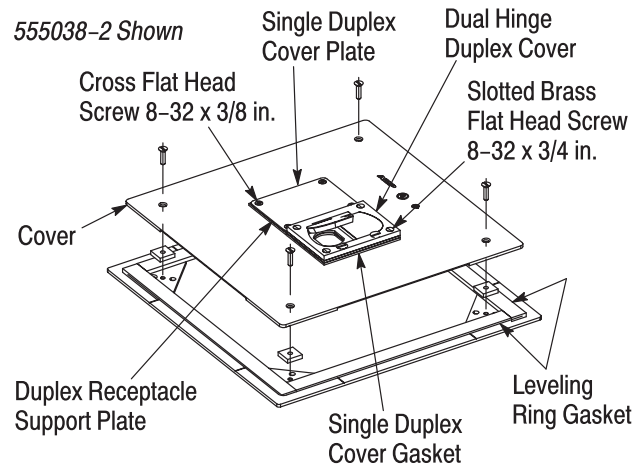
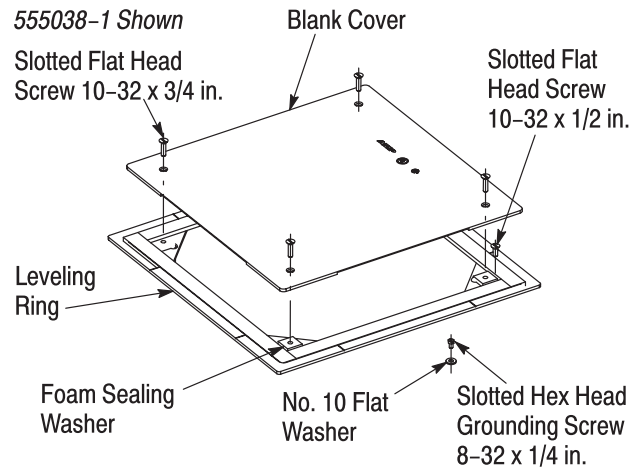


Figure 1

3. PREPARATION

1. Install the Flush Floor Service Box in accordance with Instruction Sheet 408-3118.
2. Locate the floor service box.
3. Break away the concrete from directly over the temporary cover using power tool(s), such as a percussion hammer.
4. Remove the temporary cover and clean the floor box thoroughly. Discard the temporary cover.

4. INSTALLATION (Figure 2)

1. Install four 10-32 x 3/4 in. round head leveling ring screws as shown in Figure 2.
2. Adjust each of the screws so that their heads are approximately 1.27 mm [.500 in.] above the rim of the floor box.
3. Place the leveling ring on top of the leveling ring screws so that the access holes are aligned with the screws.

NOTE



The access holes in the leveling ring must be aligned with the leveling ring screws before proceeding.

4. Adjust the leveling ring screws so that the leveling ring is flush with the finished floor on all four sides of the floor box.
5. Fasten the leveling ring to the floor box using four 10-32 x 3/4 in. flat head hold down screws.
6. Grout and smooth the surrounding surfaces of the leveling ring to floor level.

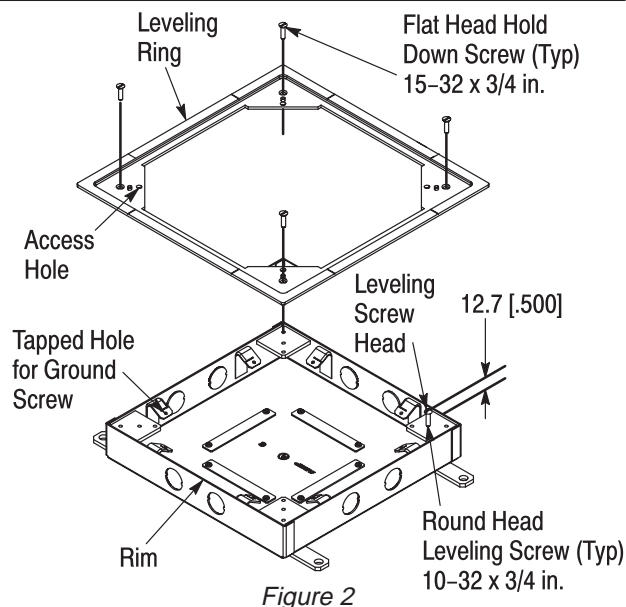


Figure 2

4.1. Installation of Partition and Bridge Kits (Figure 3)

A partition kit and/or bridge kit may be required to isolate power cabling systems from communications and data cabling systems.

For isolation of end-of-line power or communications/data cabling: After installation of the cable, top shield (required for power cabling only), and transition block (if used), secure one partition to the mounting flange on the floor box using two 10-32 x 3/8 in. pan head partition kit screws.

For isolation of feed-through power cabling: After installation of the transition block (if used), cable and top shield, place the bridge over the power cable as shown. Break the tabs on each of the two partitions so that the partitions can be mounted over one bridge. Secure the partitions to the mounting flanges on the floor box using two 10-32 x 3/8 in. pan head partition kit screws.

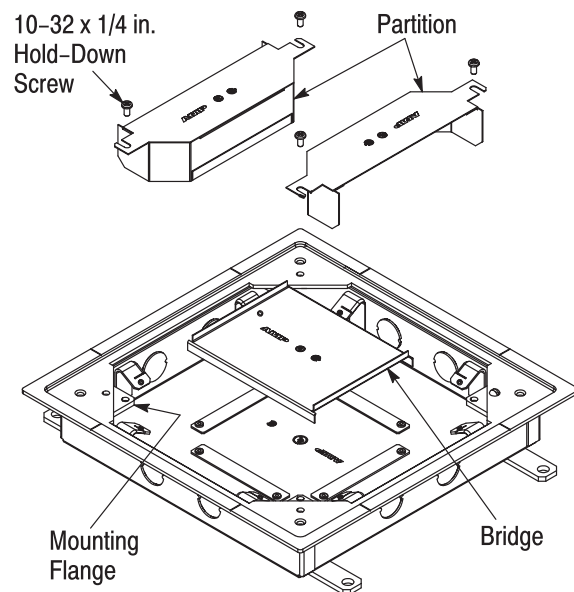


Figure 3

NOTE



For isolation of communications and data cabling when used in Activation Kit 555038-3, the provided separator plate assembly should be used.

4.2. Installation of Separator Plate Assembly (Activation Kit 555038-3 Only)

A separator plate assembly is provided with Activation Kit 555038-3 and may be required to isolate feed-through communications and data cabling systems from power cabling systems.

After installation of power cabling, place the separator plate assembly on top of and perpendicular to the power cabling as shown. Slide the two ends of the

assembly outward toward the outer edges of the floor box so that no gaps remain between the assembly and the walls of the floor box. Secure the separator plate assembly to the floor box using two 6–32 x 1/4 in. pan head separator plate assembly hold-down screws provided. After the separator plate assembly is secured to the floor box, install the communications or data cable inside the trough of the separator plate assembly. See Figure 4.

CAUTION

The separator plate assembly must not be installed parallel to the power cable.

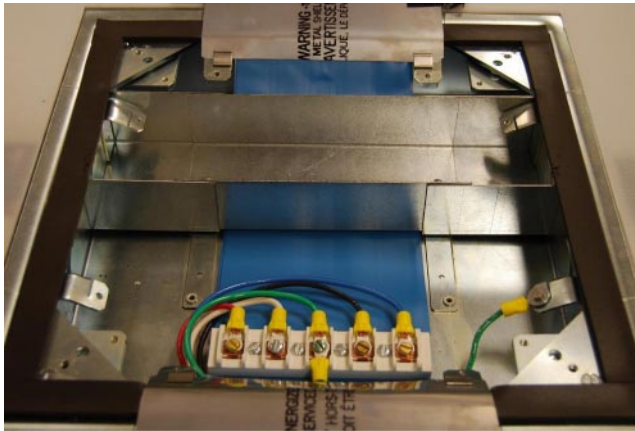


Figure 4

4.3. Installing the Power Receptacles (Activation Kits 555038-2 and 555038-3 Only)

1. Correctly position the duplex receptacle (supplied by customer) and place it onto the cover as shown in Figure 5.
2. Install the two receptacle screws (supplied by customer).
3. Place one single duplex cover gasket over the receptacle.

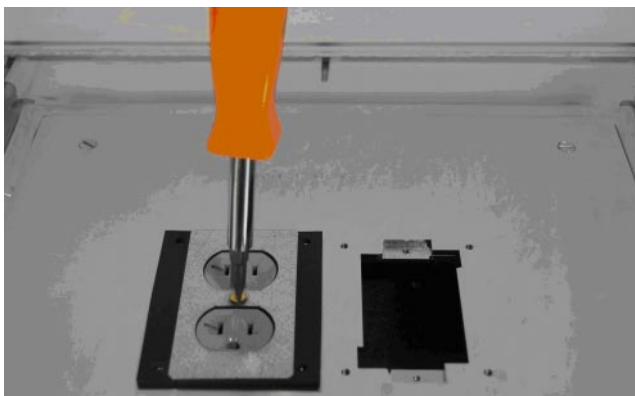


Figure 5

4. Install the single duplex receptacle support plate over the gasket and fasten it to the receptacle using one 6–32 x 1/2 in. brass receptacle screw, provided.
5. Place one single duplex cover gasket over the support plate.
6. Install the brass single duplex cover over the gasket using four 8–32 x 3/4 in. brass screws, provided. Tighten screws to 1.35–1.69 N•m [12–15 lb-in.]. The single duplex gaskets should compress slightly.

4.4. Installing the Communications Outlets (Activation Kit 555038-3 Only)

NOTE

A 2-Port Duplex Mounting Strap (1116618-[]) is available and may be used to provide data and communications ports at the duplex receptacle locations. The duplex mounting strap is not provided with Activation Kit 555038-3, it must be ordered separately.

1. Remove the break-away tabs at both ends of the duplex mounting strap as shown in Figure 6.
2. Correctly position the duplex mounting strap and place it onto the cover.

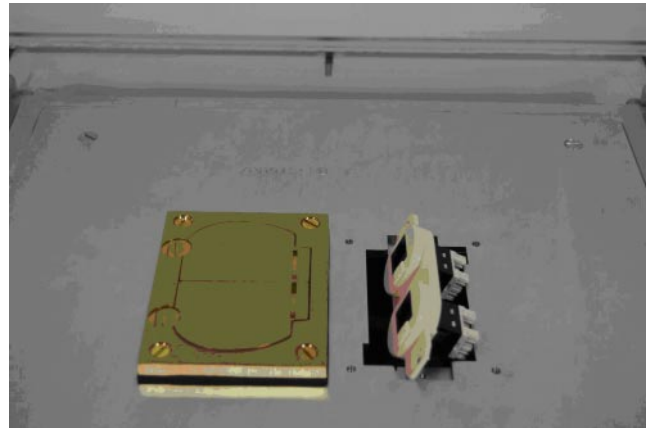


Figure 6

3. Install the two receptacle screws (provided with the duplex mounting strap).
4. Place one single duplex cover gasket over the receptacle.
5. Install the single duplex receptacle support plate over the gasket and fasten it to the receptacle using one 6–32 x 1/2 in. brass receptacle screw, provided.
6. Place one single duplex cover gasket over the support plate.
7. Install the brass single duplex cover over the gasket using four 8–32 x 3/4 in. brass screws,

provided. Tighten the screws to 1.35–1.69 N•m [12–15 lb-in.]. The single duplex gaskets should compress slightly.

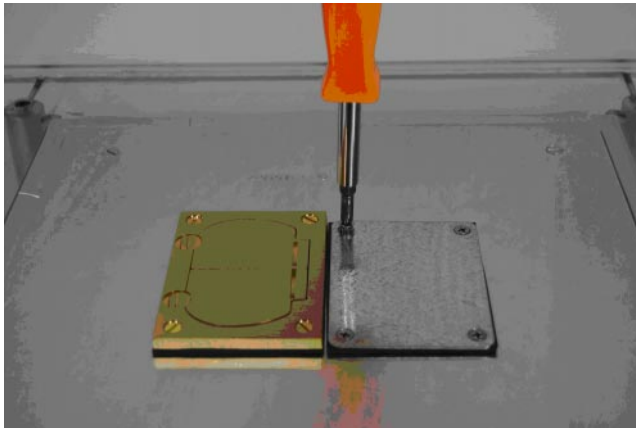


Figure 7

4.5. Installing the Single Duplex Blank Cover Plate (Activation Kit 555038-2 Only)

1. Place one single duplex cover gasket over the blank opening on the Activation Kit cover.

2. Install the single duplex blank cover plate over the gasket using four 8–32 x 3/8 in. screws, provided. Tighten the screws to 1.35–1.69 N•m [12–15 lb-in.]. The single duplex gaskets should compress slightly. See Figure 7.

4.6. Installing the Cover

1. Position the cover over the leveling ring as shown in Figure 8.
2. Fasten the cover to the leveling ring using four 10–32 x 1/2 in. flat head cover screws. Tighten the screws to 1.35–1.69 N•m [12–15 lb-in.]. The single duplex gaskets should compress slightly.

5. REVISION SUMMARY

- Updated document to corporate requirements
- Changed separator plate assembly artwork in Figure 1
- Added new text to Paragraph 4.2
- Added new photograph to Figure 4

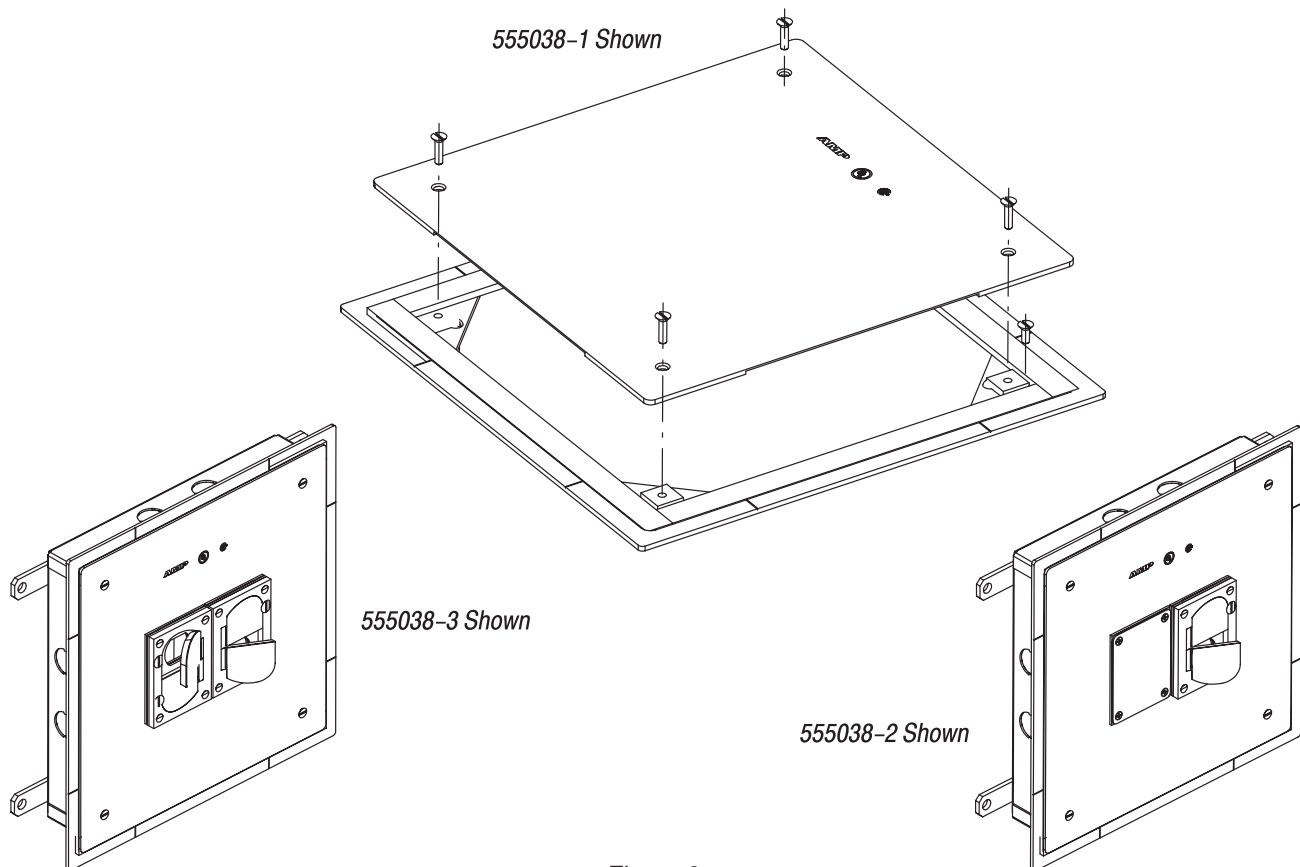


Figure 8