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# INSTALLATION INSTRUCTIONS

## Break-Away Section Supplemental Instructions

(For use with Commercial & Industrial Sectional Doors Installation & Maintenance Manual)

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This is a supplement to the Commercial & Industrial Sectional Doors Installation & Maintenance Manual (Referred to as MANUAL). It covers important information unique to certain Commercial door configurations. For all other information and safety warnings concerning your Commercial garage door, see the MANUAL. Read all of the information in both manuals before beginning installation.

These instructions cover the following areas, where this Commercial door installation differs from the standard Commercial door installation:

1. Break-Away Section Installation

**The following applies to doors with break-away center hinges ONLY (Read before installing any door sections).**

### Break-Away Section Installation

**Skip the following paragraph if your door is not supplied with center hinges.**

Insulated door models use protective plastic sheets that cover the location of center hinges. If your door is supplied with center hinges as shown (Fig. 2 or Fig. 3) and there is no cut out for the hinge location use the following method to mount center hinges:

Place an intermediate section on a saw horse that will be used to mount the cable assemblies. (Fig. 2 or Fig. 3 marked intermediate section). Mount the center hinge or hinges at locations punched with center holes at the bottom of the section. Place the mating top of each break away section against this intermediate section and use the bottom leaf of the mounted center hinge as a template for locating the mounting holes on the break-away section. Once these holes are located, mark the holes so the appropriate hinge can be mounted later during the installation process.

**Step 1: Bottom Roller Carriers.** Install the roller carriers onto the bottom section of the door using (6)  $\frac{1}{4}$ " x  $\frac{3}{4}$ " [6 mm x 19 mm] long self-drilling screw through each bracket (with double bottom break-away sections, the bottom section may be identified as the one with the astragal and astragal retainer). The reinsertion rod should be positioned at the top of the roller bracket, as shown. (Fig 1) The mounting holes for the bracket are pre-punched in the end stiles. The first row of mounting holes is located  $\frac{7}{8}$ " [22 mm] up from the bottom of the end stiles. Make sure to attach the end of the roller lanyard by securing it under one of the mounting screws, as shown. (Fig 1)

**Step 2: Reinsertion Rod Clips.** Using the small self-drilling screws supplied with the brackets, install the reinsertion rod clips to the end stiles, as shown. (Fig 1)

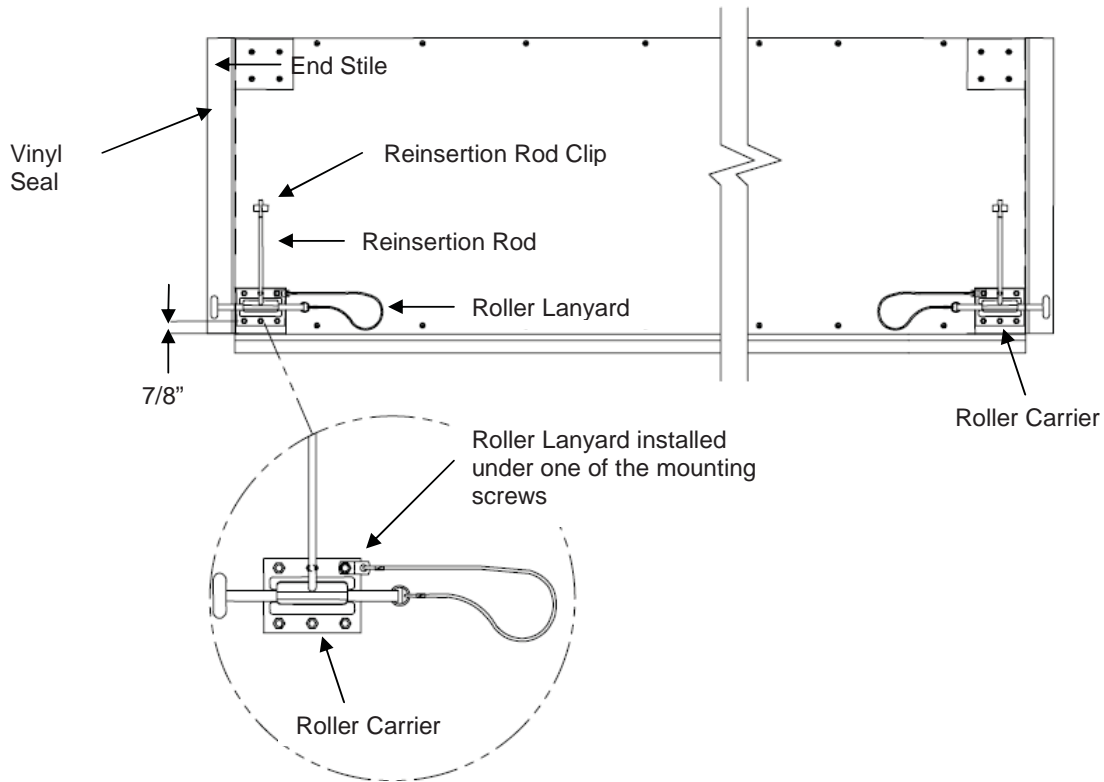


FIGURE 1

**Step 3: Rollers.** Use the reinsertion rod to push the roller into place by rotating the reinsertion rod downward. Rotate the reinsertion rod up to secure the top of the rod into the bracket.

**Step 4: Bottom Section.** Place the bottom section into the door opening, centering it in the opening. Note that the bottom section is 5" [127 mm] narrower than the other door sections, to ensure proper clearance when the section breaks away. Attach the vertical tracks along each side jamb as described in the MANUAL.

**Step 5: Multiple Break-Away Sections.** *(Skip Step 5 if you are installing a single breakaway section.)* With the bottom breakaway section mounted in the opening, install the second break away section, as shown. (Fig 2) Mount the intermediate hinge, as shown, with (12) ¼" x ¾"[6 mm x 19 mm] self-drilling screws. Repeat lanyard and reinsertion rod installation for the two intermediate hinges, as shown. (Fig 1)

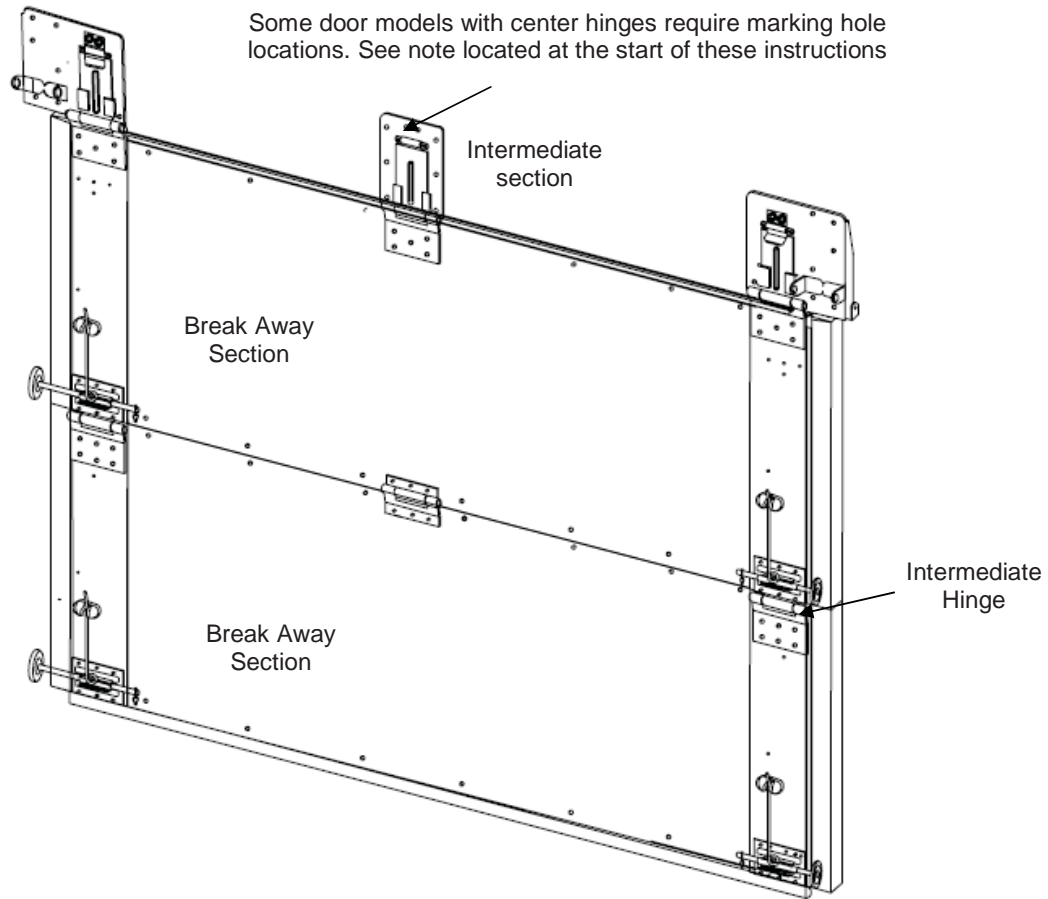


FIGURE 2

**Step 6: Bottom Brackets.** Install the special bottom brackets to the bottom of the next section that will hold the lift cable assemblies for balancing the door. These are break-away brackets that allow the section to pivot when hit.

**IMPORTANT:**

- **Install the lift cable assemblies to the special bottom brackets using the pin and key supplied prior to installing the bottom brackets to the door section.**
- **Use the red headed self-drilling screws supplied to install the bottom brackets. Each bracket is to have (4) self-drilling screws, positioned as shown. (Fig 3)**

**Step 7: Drop hinge.** Install the bottom leaf of the drop hinge to the top of the section using (5) ¼" x ¾" [6 mm x 19 mm] long self-drilling screws through each bracket

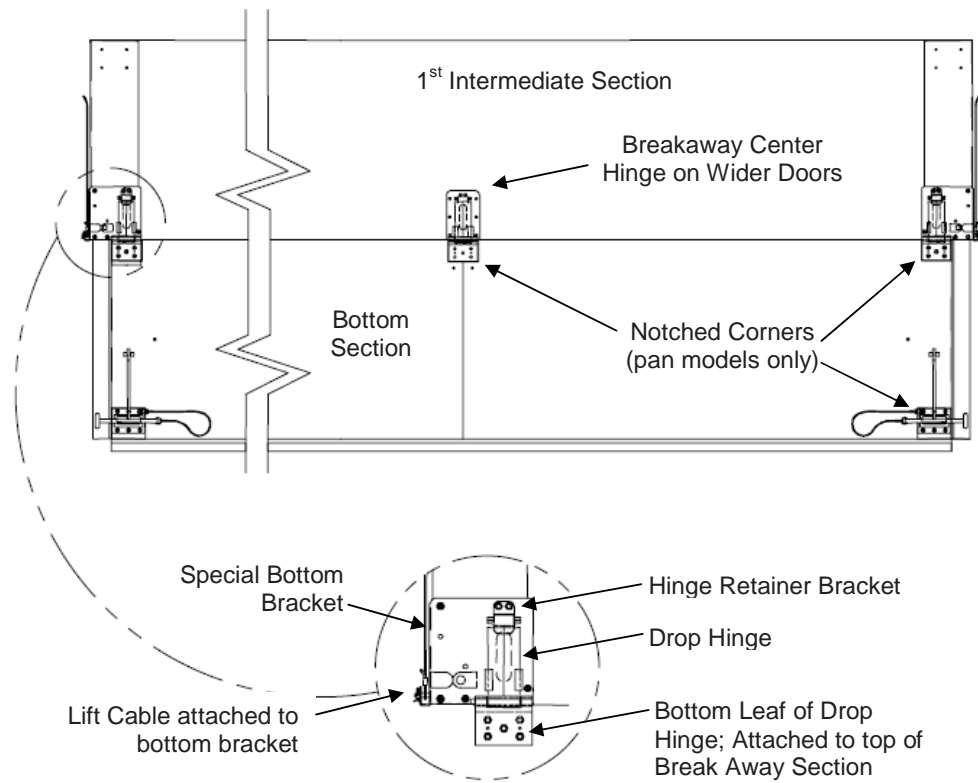


FIGURE 3

**Step 8: Break-Away Center Hinges.** Locate and install the hinge with hardware provided.

**IMPORTANT:**

**Do NOT install standard hinges between the bottom section and first intermediate section. Installation of standard hinges will not allow the break-away section to swing out as designed.**

**Step 9: Finish Installation.** Complete the door installation as described in the MANUAL.

Note: If a pull cord is used to open/shut the completed door, install on the first non-break-away roller.