

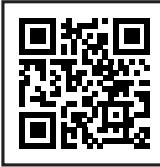


# FR180

## Frame Repair Kit

### INSTALLATION INSTRUCTION

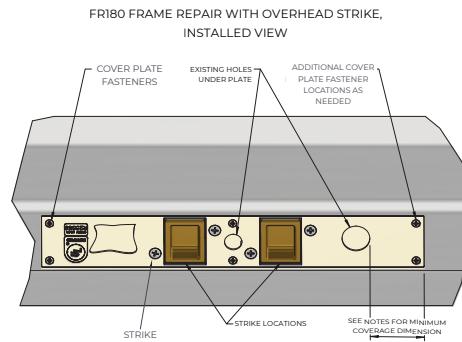
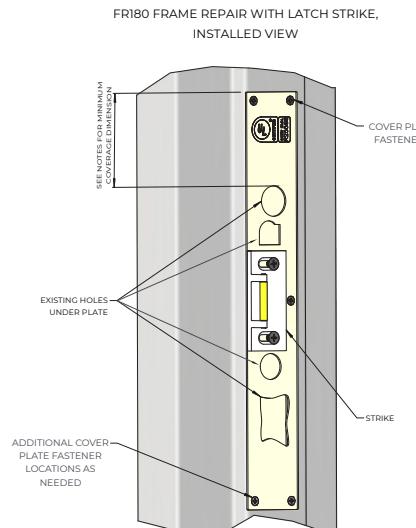
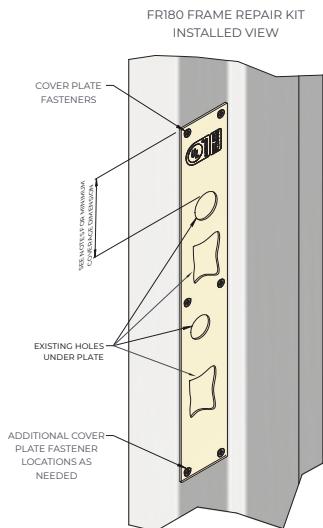
For the complete list of GapGuard Fire Door Accessories, the most up-to-date product information and installation instructions, scan the QR code or visit [ngp.com](http://ngp.com).



The FR180 Frame Repair Kit is a 16-Gauge Steel Cover Plate that is Secured to the Existing Frame and/or Door. This Kit is a Solution Used for Concealing Unused Holes and/or Cutouts in the Frame and/or Door, While Also Providing a Means of Attaching Listed and Labeled Hardware. Rated up to 180 Minutes.

#### Limitations & Allowances:

- Allowed to be Used on Steel Doors up to 16 Ga. Thickness
- Allowed to be Used on Steel Frames up to 14 Ga. Thickness
- Allowed to be Modified for Use with Listed Surface Mounted Hardware and Listed Door Position Switches (up to  $1\frac{1}{8}$ " Diameter)
- Cover Plate Allowed to Span up to 48"
- Cover Plate Length Allowed to be Cut, However, Final Dimensions Must Maintain a Minimum Overlap of Cutout to Provide Sufficient Surface Area to Install Cover Plate Fasteners (#6 Screws or  $\frac{1}{8}$ " Diameter Steel Rivets)
- Maximum Spacing between Cover Plate Fasteners is  $5\frac{1}{2}$ "
- Adhesive Tape May be Used in Addition to Mechanical Cover Plate Fasteners
- After Cutting to Desired Length, Ensure at Least One UL Mark is Visible and Legible
- Maximum Area of Cutout in Frame Concealed by Cover Plate is:
  - 5.5 Sq. In. up to 12" Cover Plate
  - 12.0 Sq. In. between a 24" and 48" Cover Plate. No Single Cutout Larger than 5.5 Sq. In.



# FR180

## INSTALLATION INSTRUCTION *(continued)*

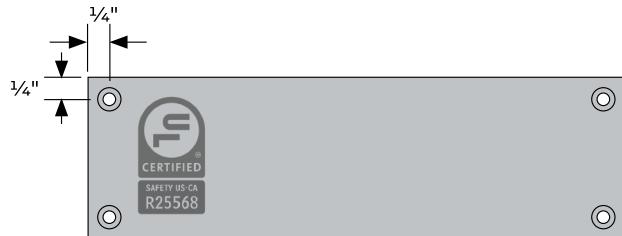
- Required Number and Location of #6 Fasteners or Steel Rivets Per Length of Cover Plate are as Follows:

- Up to 6"

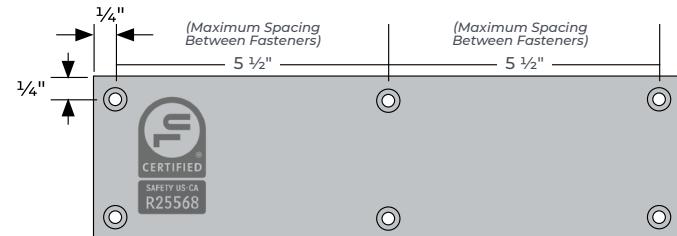
- 4 Fasteners (Minimum)
    - 1/4" in from Each Corner

- Over 6"

- 1/4" in from Each Corner, and 1/4" from Edge at Centerline Lengthwise
    - Number of Fasteners Determined by Length of Cover Plate. Maximum Spacing Between Fasteners is 5 1/2" Throughout Length of Cover Plate
    - If Cutout Exists Under Cover Plate, Fasteners Must be Within 2 3/4" from Edge of Nearest Cutout.



FR180 UP TO 6"



FR180 OVER 6"

### Installation Procedure:

- Cutout must be clean and free of oil and debris.
- Cover plate to be installed using #6 x 3/8" minimum length fasteners. Alternatively, steel rivets of 1/8" diameter minimum may be used.
- Cover plate can be cut down to accommodate desired length, while maintaining standards outlined in "Limitations & Allowances."
- Locate thru-holes in cover plate. If cover plate is cut down, add thru-holes to maintain minimum number of fastener locations.
- If necessary, drill 1/64" thru-hole in cover plate as per layout described in the section, "Limitations and Allowances."
- If desired, countersink thru-holes for #6 fasteners to ensure head is flush or inset from cover plate.
- Place cover plate over cutout ensuring proper coverage over the cutout.
- Transfer hole locations onto frame and/or door.
- Prep hole for #6 fastener or steel rivet.
- If optional tape is installed, remove backing from tape, then install cover plate with UL mark visible. Upon installation ensure head of fasteners do not interfere with door operation.
- If needed, install Listed & Labeled hardware onto cover plate (i.e. strikes, latches, etc.).

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