

9300/F9300 & 9300FL/F9300FL

Series Rim Exit Device

Installation instructions

95011756 - 04-2022

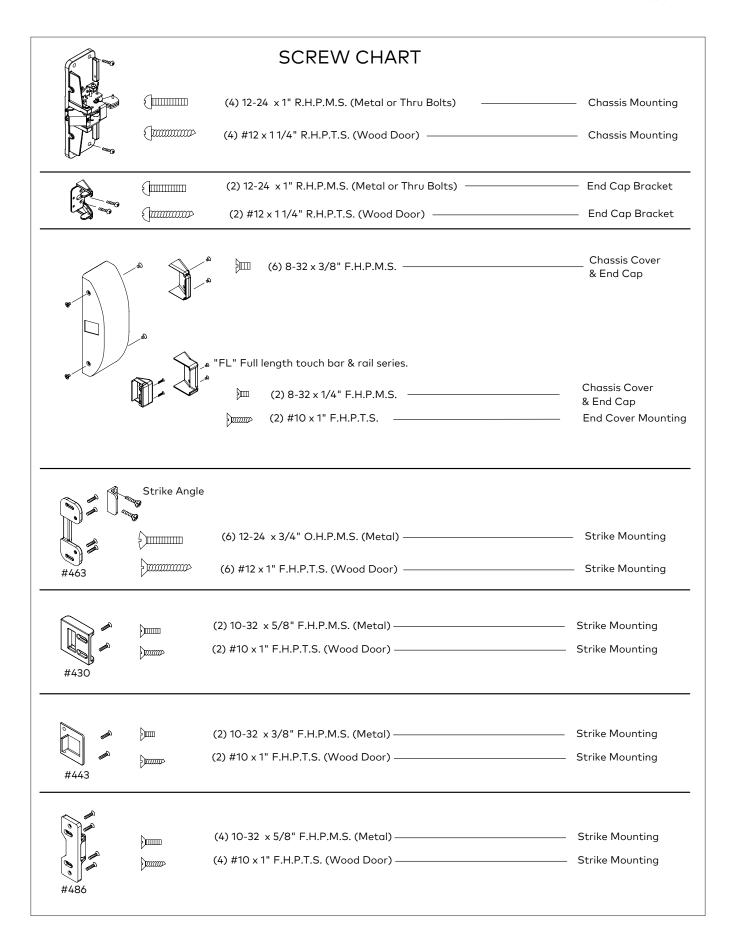
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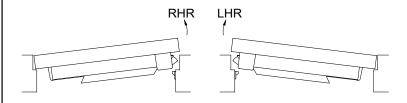
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HANDING OF DOOR







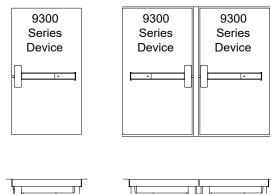
Read the entire instruction sheet prior to installation.

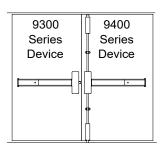
Before Installing Hardware:

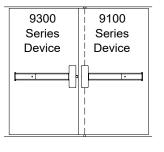
- 1. Door should be fitted and hung.
- 2. Verify door width, handing and product with carton label for correct exit device and length. (See Step 7)
- 3. For hand reversal of outside lever trim see Step 4. Additional instruction sheet also packaged with

Note: If device is to be installed over glass lite panels, shim kit may be required, order No. GK9000.

TYPICAL APPLICATIONS













SPECIAL TOOLS FOR INSTALLATION

12-24 Tap, 10-32 Tap

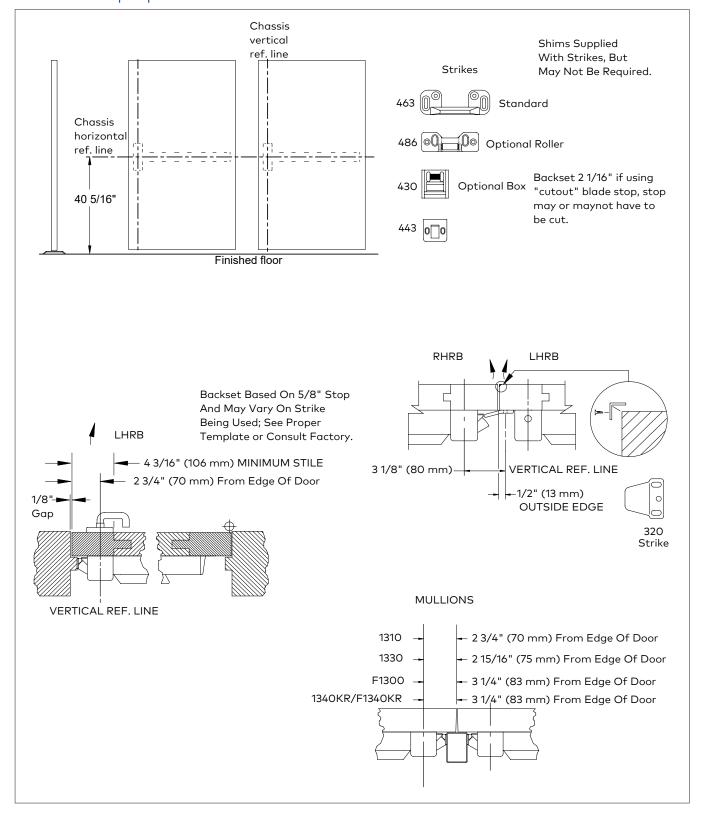
Drill bits: 1/8", #25, #16, #21 & 3/8"

Hole saws: 1", 1 1/4", & 2 1/8" diameter for trim (if required). Jig saw or router may be required for thumbpiece trims.

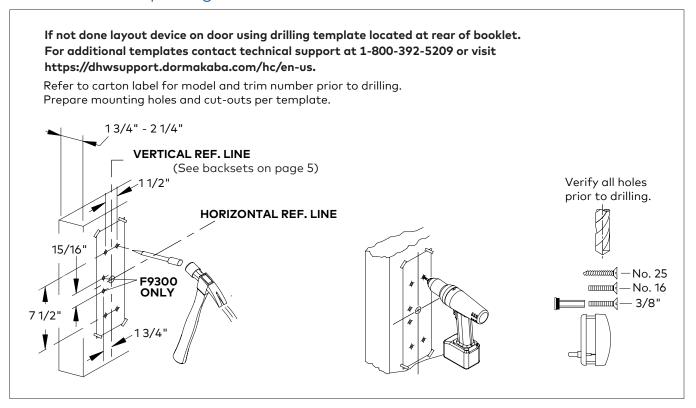
1.1 Installation

Open box, layout all parts and verify prior to starting installation. See page (3) three for parts.

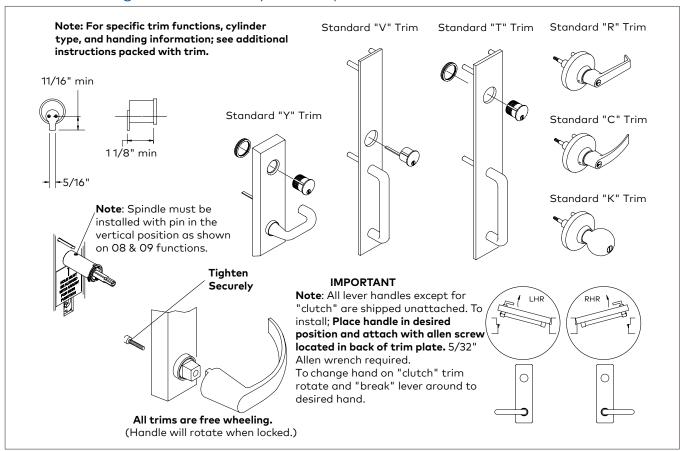
1.2 Door preparation



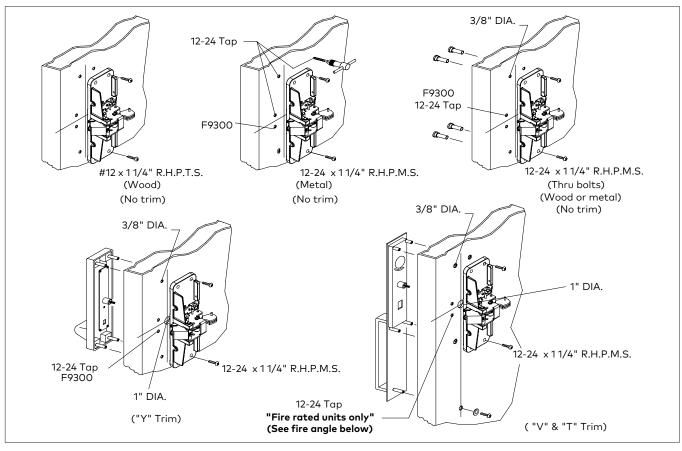
1.3 Door templating



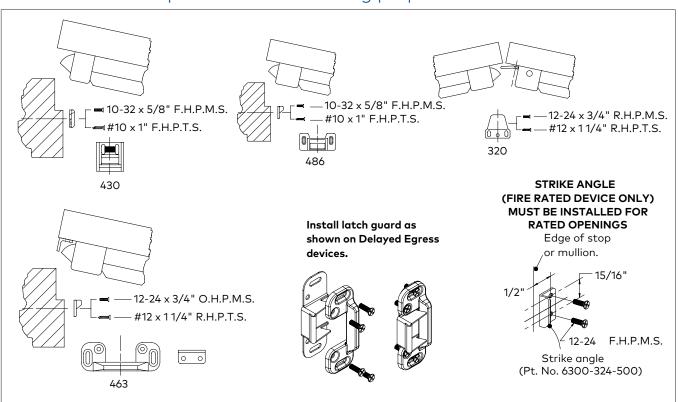
1.4 Handing of trim, and cylinder specifications and installation



1.5 Chassis installation (if using GK9000 install shims under chassis at this time.)



1.6 Install strike per details below using proper fasteners



1.7 Prepare to install touch bar and rail on door

NOTE: All dimensions are based on 5/8" stop height; Verify strikes, stile width, any trim and stop height prior to making any cuts. If cutting is required follow instructions below.

Size A:

Fits 48" door opening without cutting.

Can be cut to fit a 34" minimum door opening.

Size B:

Fits 36" door opening without cutting.

Can be cut to fit a 28" minimum door opening.

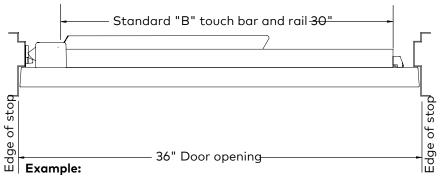
Size C:

Fits 36" door opening with out cutting.

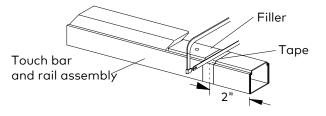
Using a shorter touch pad then the standard "B" size allows it to be cut to 25" door opening.

Note: Models with prefix options such as "ES", "DE" etc. may not be cut down to minimums shown to left. Consult factory or catalog for details.

Verify device length with box label; "A", "B" or "C", ie. 9300B



Note: If door opening width is less then standard touch bar will have to be cut down. ie: door opening width 34" subtract 2" from rear of touch bar and rail, tape and cut to length as shown.



NOTE: If carton label list prefix; "ES", "MS", "LM", "BPA", "BPAR", "DWA", "LM/MS/BP" or "CD" prefix see Options pages at rear.

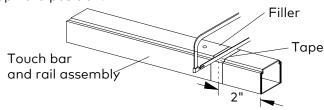
IMPORTANT

Use caution when cutting touchbar and rail to size on models with "ES", "MS", "LM" or "DWA" prefix options.
These units contain internal wiring.

For models with prefix options "BPA", BPAR" or "DE" remove filler containing electronics before cutting.

1.8 Cutting of "FL" type touch bar and rail assembly

Note: If door opening width is less or stops are different, then standard touch bar will have to be cut down. ie: door opening width 34" subtract 2" from rear of rail, depress touch bar as shown, tape and cut to length as shown. Touch bar should be approximately 3/16" longer then rail once it is released to upward position.

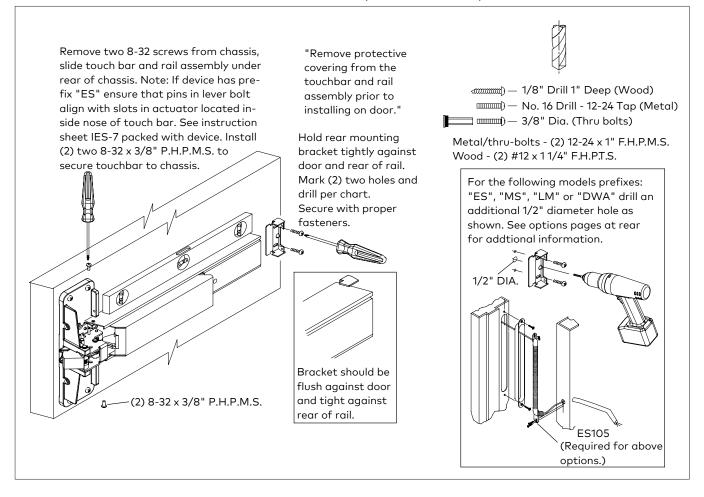


IMPORTANT

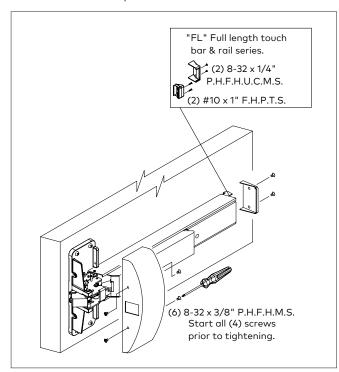
Use caution when cutting touchbar and rail to size on models with "ES", "MS", "LM" or "DWA" prefix options. These units contain internal wiring.

For models with prefix options "BPA", BPAR" or "DE" remove filler containing electronics before cutting.

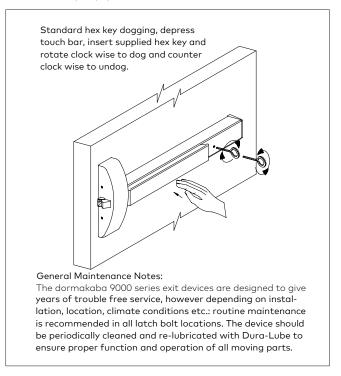
1.9 Install touch bar and rail assembly and end cap to door



1.10 Install center case cover and end cap

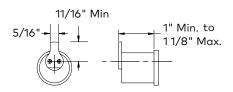


1.11 Check dogging operation (if equipped)



1.12 Options: Cylinder dogging

Cylinder specifications and cams;

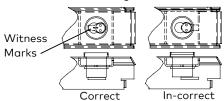


Useable Cams

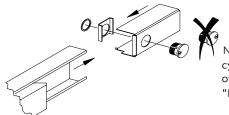
001 Ilco/Unican SC1 Arrow

Assa Std. (Yale) Lori SC1 4200-82-2002 Std. Best C136 Sargent 13-0664 or 13-0660

Corbin A02 Schlage 001 Falcon 12667-3 Yale 2160 Note: When using IC core cylinders, ensure that cam is in proper position prior to installing the new core.



Cylinder dogging option on standard touch bar and rail;



Note: dormakaba mortise cylinder supplied. To use other manufacture cylinders,

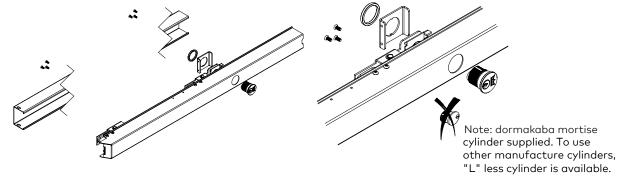
"L" less cylinder is available.

To change cylinder:

- 1. Dog down touch bar.
- 2. Remove end cap and end cap mounting bracket.
- 3. Slide out filler from rear of rail.
- 4. Remove cylinder nut on underside of filler.
- 5. Remove cylinder and mounting plate.

- 6. Insert new cylinder facing as shown in detail.
- 7. Install mounting bracket and cylinder nut.
- 8. Slide filler back into rear of rail.
- 9. Install end cap mounting bracket and end cap.
- 10. Undog touch bar.

Cylinder dogging option on full length touch bar and rail; (See cam specifications above.)



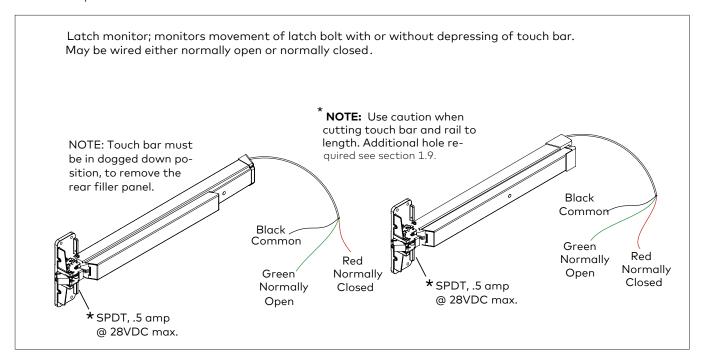
To change cylinder:

- 1. Remove end cap, end cover & end cap mounting bracket.
- 2. Remove cover from chassis and two chassis to touch bar mounting screws.
- 3. Remove (6) touch bar to rail mounting screw from underside of rail.
- 4. Flip rear arm assembly outward from underside of touch bar.
- 5. Remove cylinder nut on underside of touch bar.
- 6. Remove cylinder and mounting plate.
- 6. Insert new cylinder facing as shown in detail.
- 7. Install mounting bracket and cylinder nut.
- 8. Flip rear arm assembly back under touch bar.
- 9. Re-install touch bar to rail with (6) screws.
- 10. Install touch bar & rail back on to chassis with (2) screws.

- 11. Re-install end cap mounting bracket.
- 12. Re-install end cap, end cover & chassis cover.



1.13 Options: LM



1.14 Options: BPA, BPAR, DWA

"BPA" Battery powered alarm, sounds continuous until reset. "BPAR" alarm sounds for 4 minutes then will automaticaly reset. **Alarm mode set at factory**.

Note: On either the standard 9000 alarm or the 9000"FL" versions caution must be used when cutting touch bar and rail to length due to the wires running inside of the assembly. A standard dormakaba cylinder is supplied on both units, to change to a customer supplied cylinder follow steps under "cylinder dogging". Refer to additional instruction sheet packed with device for operational instructions etc.

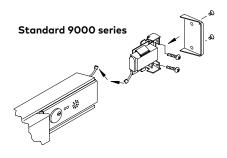
"DWA" OPTION:

Battery Eliminator
White

Green (Non-polarized)
Connected to outside power source; 12-24V AC/DC supply. ie: dormakaba ES-100 etc. Contact technical support at 1-800-392-5209 or visit https://dhwsupport.dormakaba.

for other supplies available.

com/hc/en-us



To change battery:

- 1. Prop open door.
- 2. Remove (2) end cap mounting screws.
- 3. Remove (2) end cap mounting bracket screws.
- 4. Remove mounting bracket & replace battery.
- 5. Re-install in reverse order.

Size A:

Fits 48" door opening without cutting.

Can be cut to fit a 37 1/2" minimum door opening.

Size B:

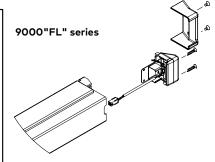
Fits 36" door opening without cutting.

Can be cut to fit a 31 1/2" minimum door opening.

Size C:

Fits 36" door opening with out cutting.

Using a shorter touch pad then the standard "B" size allows it to be cut to 28 1/2" door opening.

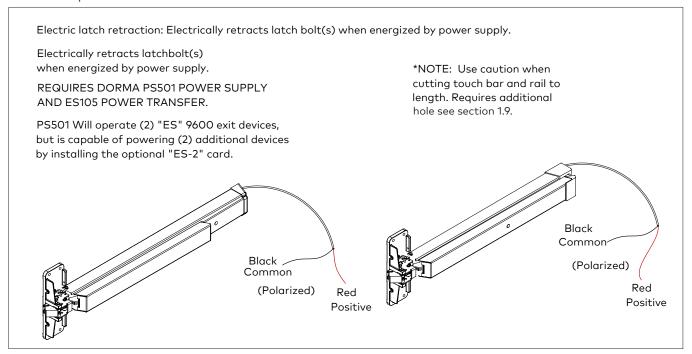


To change battery:

- 1. Prop open door.
- 2. Remove (2) end cover mounting screws.
- 3. Remove (2) end cap screws.
- 4. Remove end cap & replace battery.
- 5. Re-install in reverse order.

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1.15 Options: ES



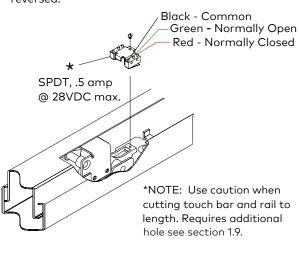
1.16 Options: MS

Monitor Switch: Monitors movement of touch bar.

Located on the rear arm assembly as shown; Comes standard with (2) two micro switches. Both can be wired normally open or normally

On the standard 9000 series it can be added in the field by removing rear filler. On the "FL" series it can be added, however the touch bar must be removed completely from the rail to install switch assembly.

Note: Normal switch position shown, once installed normally open and closed positions are reversed.



1.17 Options: MLR

Motorized latch retraction Specifications:

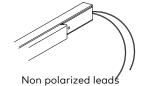
Electrical input requirements:

24Vdc +10% Filtered and regulated power supply; ie: dormakaba PS610RF or PS532RF.

The unit may also be powered by the dormakaba ED900 operator.

Current: .888A max. inrush, 400mA max. hold

Provides simultaneous electric latch retraction and dogging (depressed touch bar).

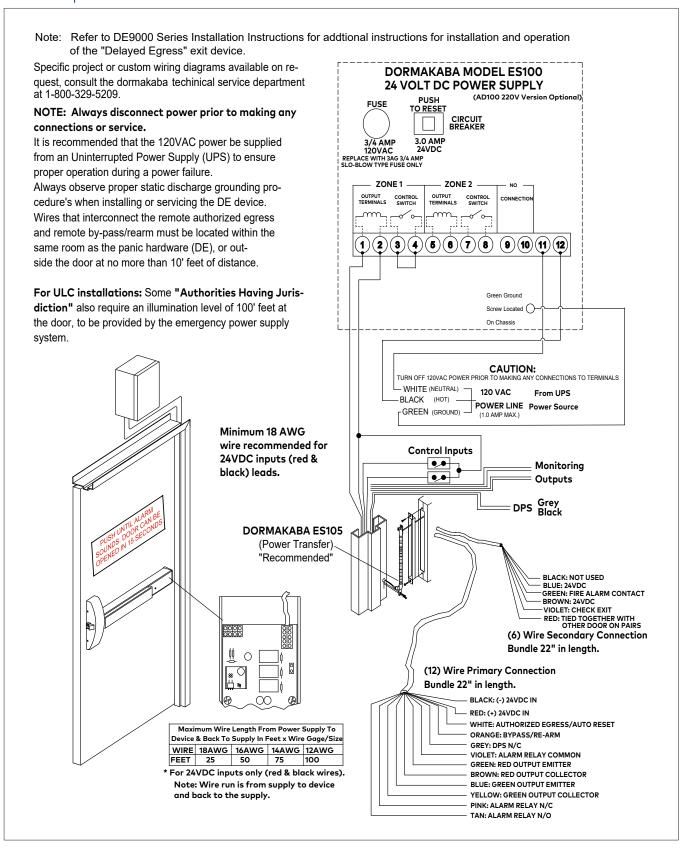




*NOTE: Use caution when cutting touch bar and rail to length. Requires additional hole see section 1.9.

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1.18 Options: DE



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