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FREIGHT DOORS | CAR GATES | CAR ENCLOSURES
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GUIDE 317



INSTALLATION & MAINTENANCE GUIDE Horizontally Opening Product Line

Landing Door and Car Door

REFER TO GUIDE 315
HSD DOOR OPERATOR

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INSTALLATION &
MAINTENANCE GUIDE

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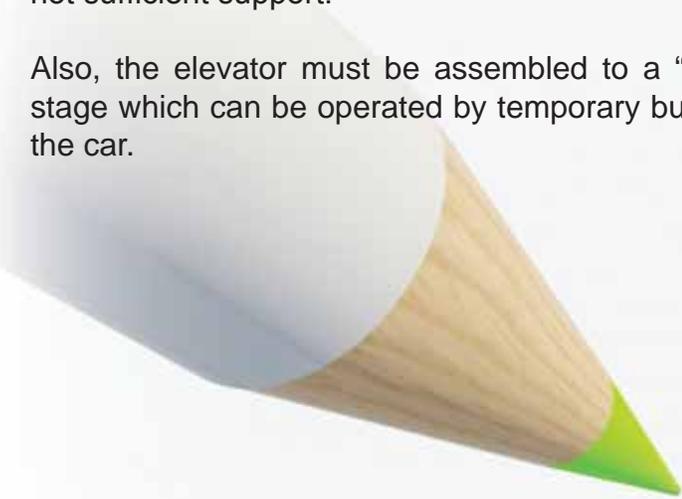
Look for the Blue Box



Job Site Inspection

Before beginning the installation, ensure that the structural opening is the correct size and that there is adequate support for the entrance sill and header. The entrance must attach to masonry or heavy steel struts. Drywall and light steel studs are not sufficient support.

Also, the elevator must be assembled to a “working platform” stage which can be operated by temporary buttons mounted on the car.



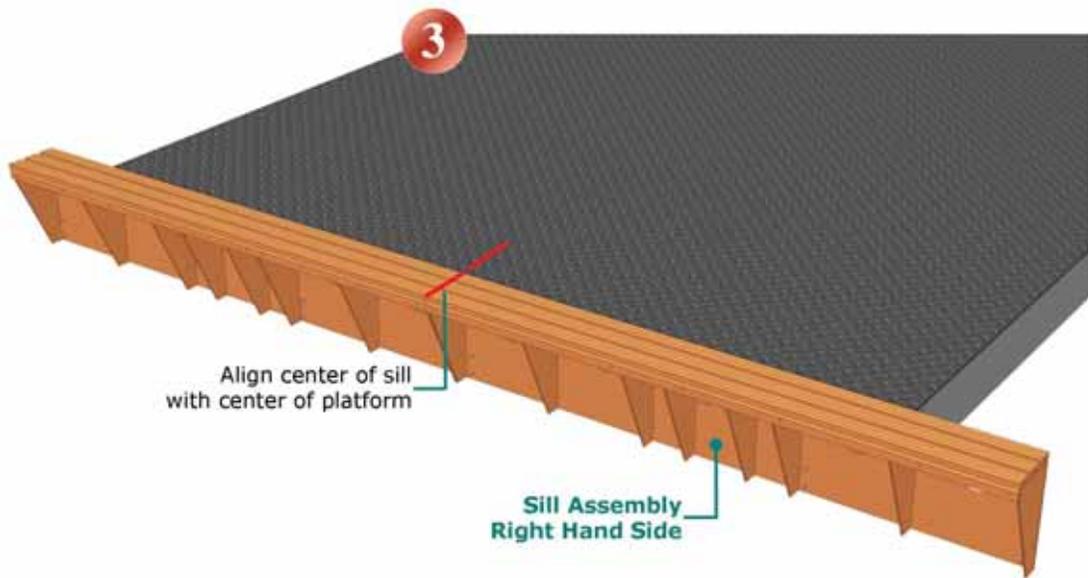
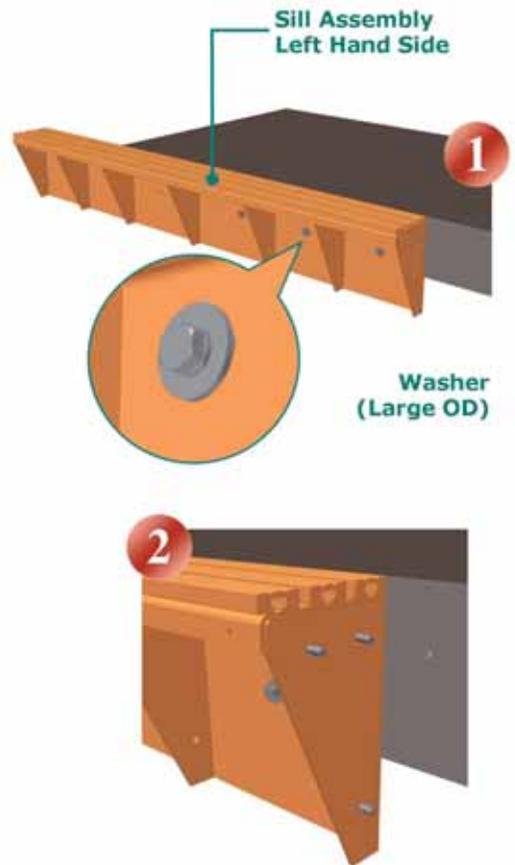
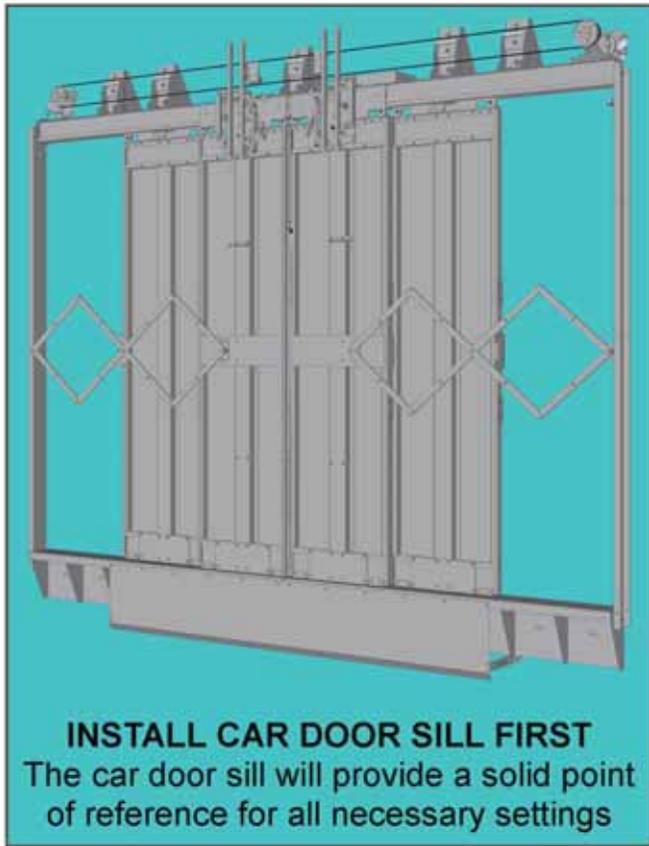
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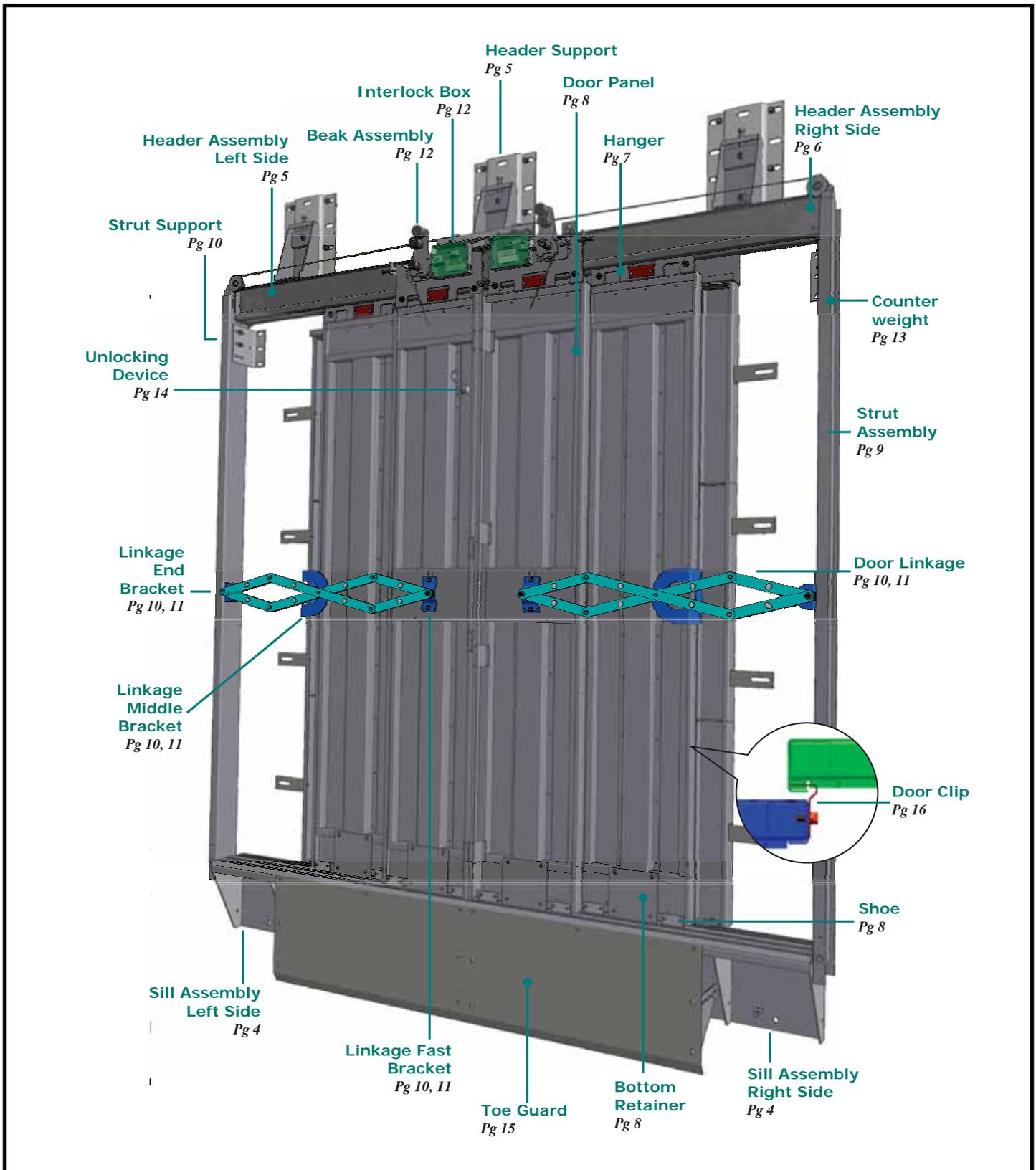


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Landing Door Assembly

HSD Landing Door



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Entrance Frame Assembly

HSD Landing Door

1 Mark Center of Platform

2 Transfer marks from platform to each Landing Sill (Landing Sill is optional)

3 Note: Ensure sill angle is level with floor before going on to steps 2 & 3.

4 Side Channels Attach as shown

5

6 Keep Bolts Loose

7 Concrete Anchors

Adjustment

Structural Opening

Panels	Dim A
2	157
4	214
6	271

Ensure dimension 'A' is maintained

Use Adjustment Bolts to level the sill

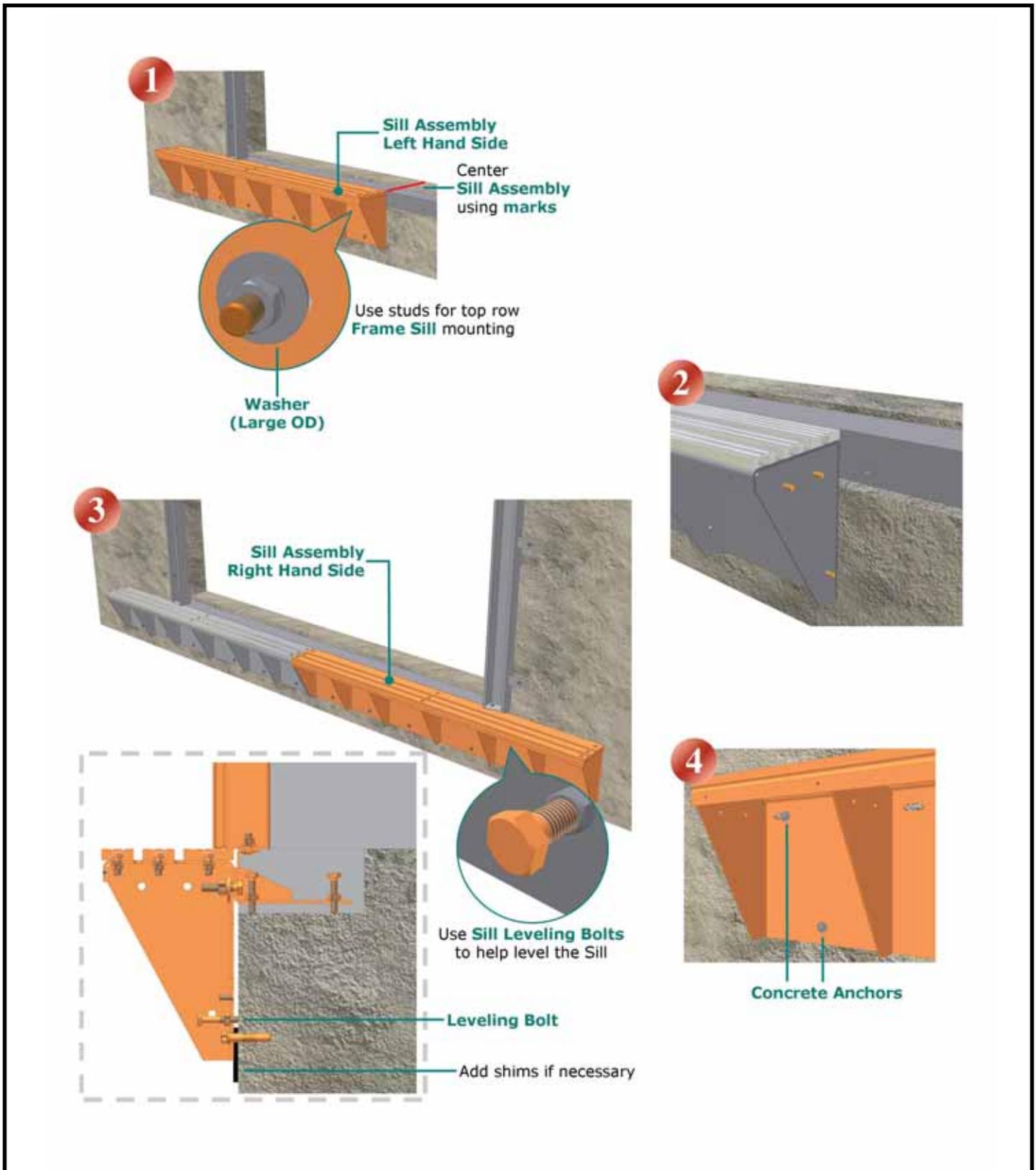
Anchors NOT Supplied

North American Style



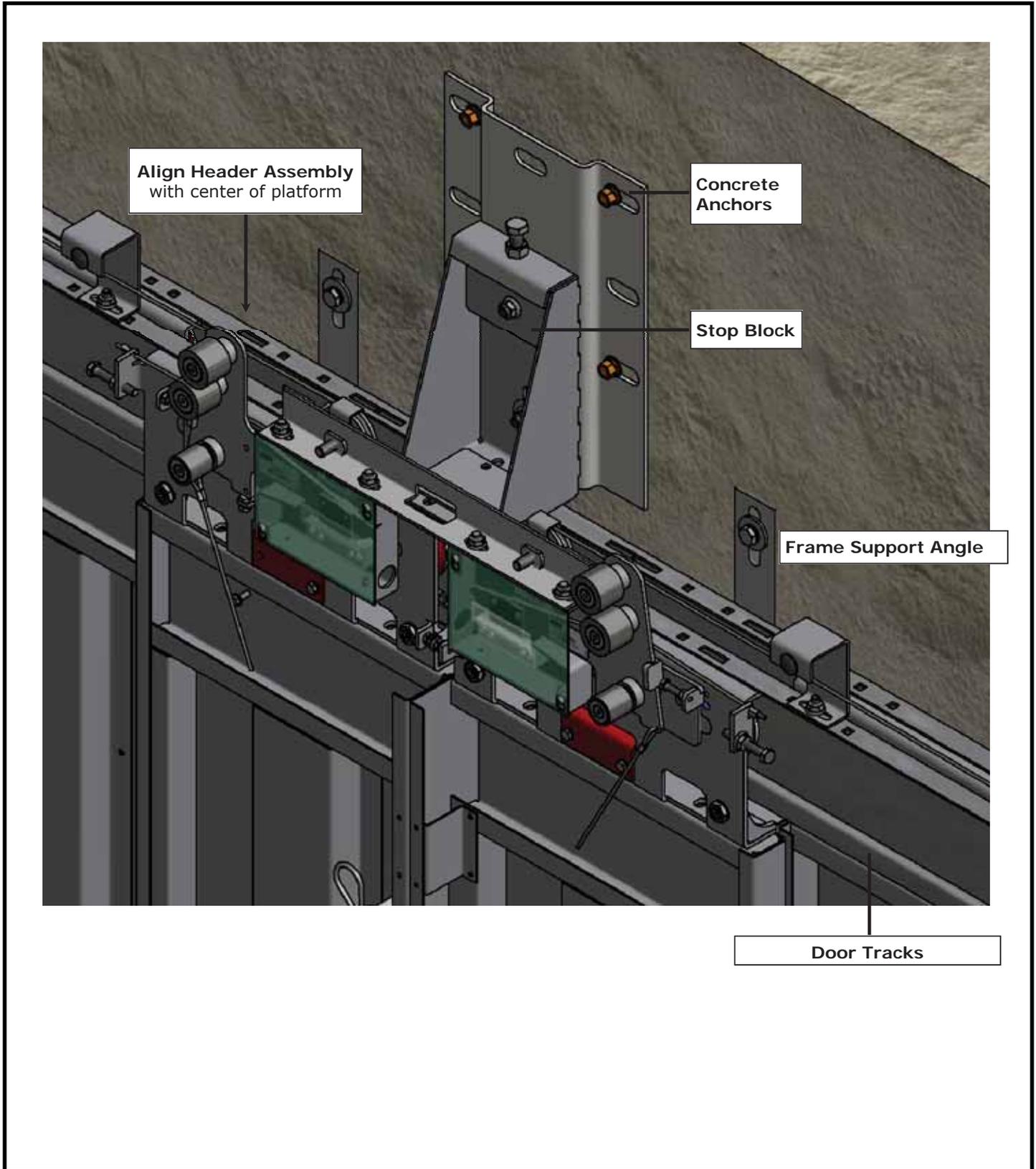
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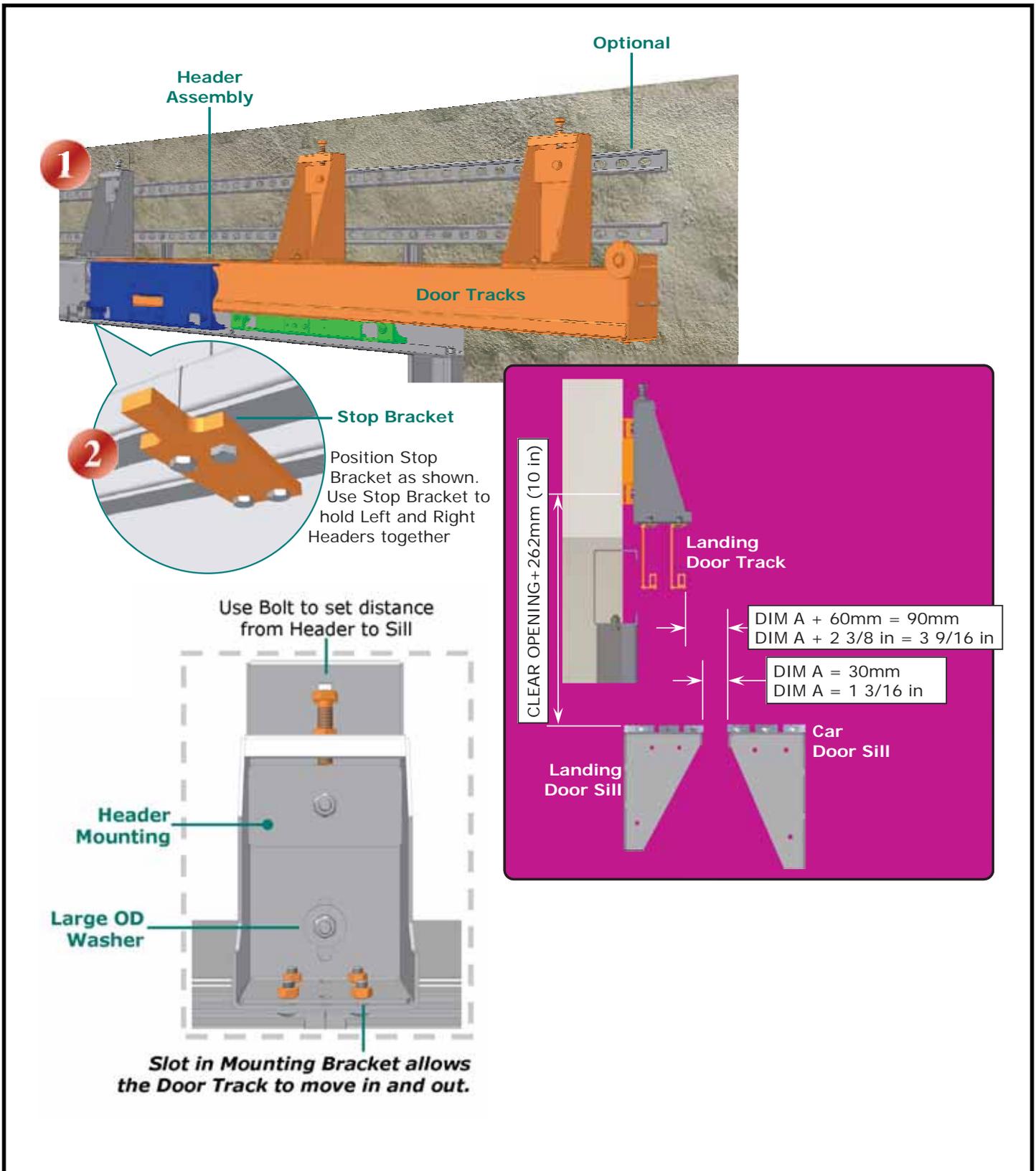
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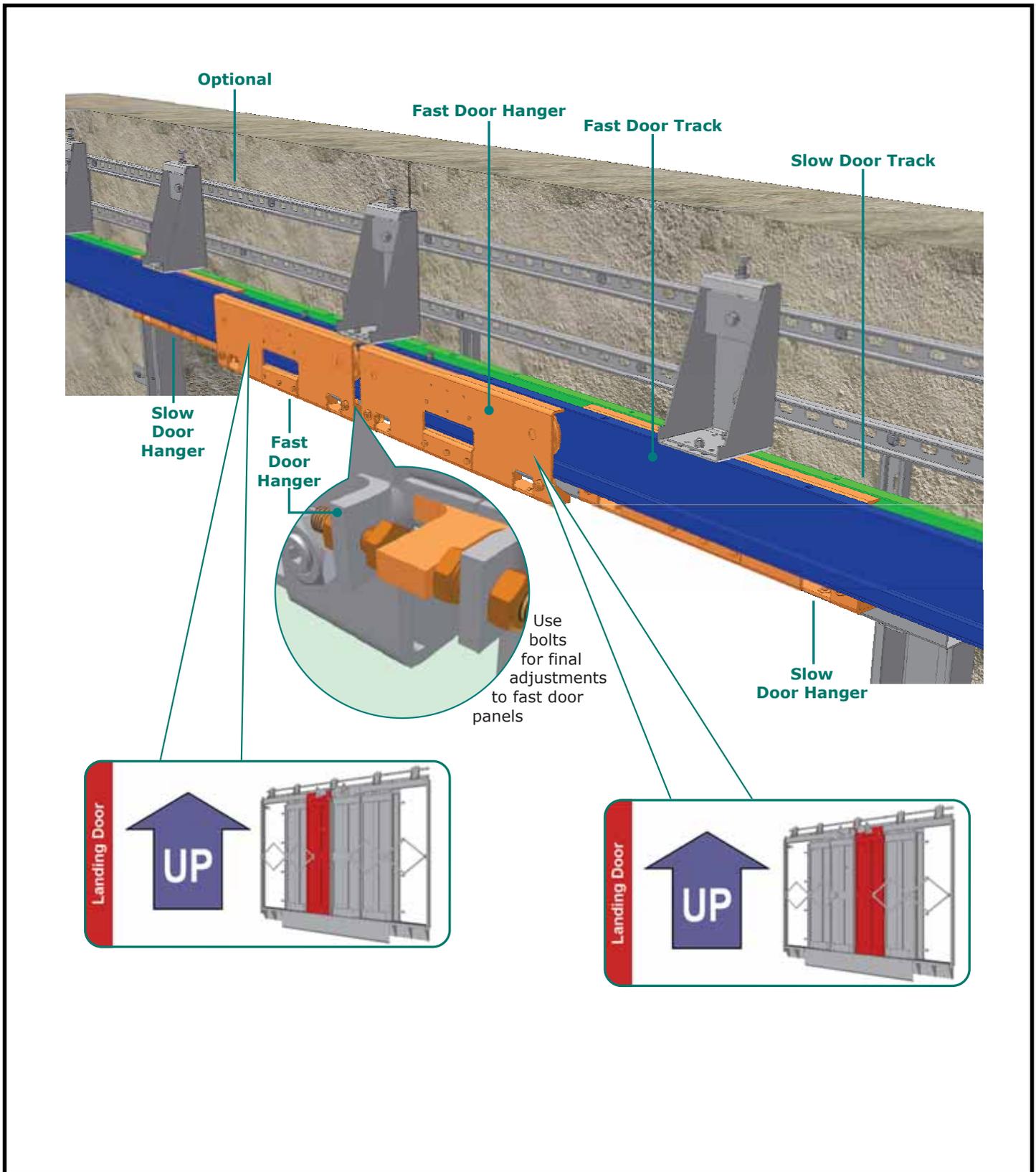


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Landing Header Installation

HSD Landing Door



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Landing Header Installation

HSD Landing Door

Fast Door Hanger

Mounting Bolt
(Panel may need shim)

1

Fast Door Panel

6

Maintenance
Ensure Traction Rollers are in good condition. If Rollers are worn, replace

6 mm (1/4 in) MAX

Side Channels
Use slots to adjust

UP

Narrow Side

Leading Edge

3

Bottom Retainer

2 After installing the **Shoe Assembly** ensure the panel moves freely

Maintenance
Ensure there is no more than 1.5 mm gap on either side of the shoes. If gap is greater than 1.5 mm its time to replace the shoes.

5 Repeat steps 1-4 for all other Door Panels

Adjust Header Mounting

Adjust Header Mounting to keep 6 mm gap between bottom of panel and track

1.5 mm (1/16 in)

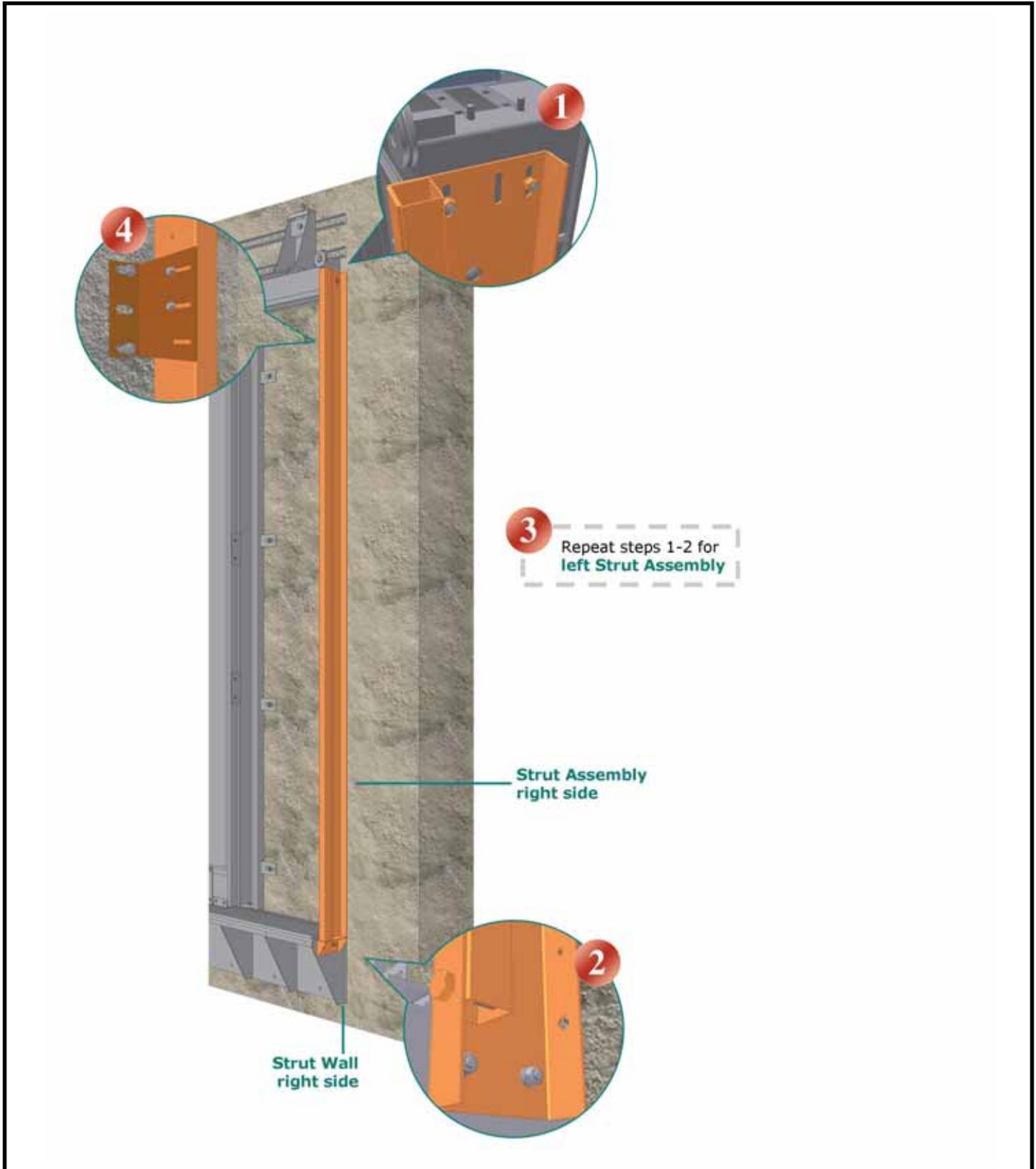
6 mm (1/4 in) MAX

4



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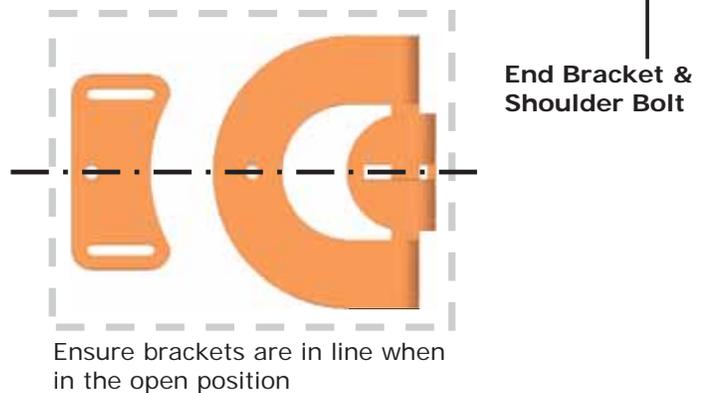
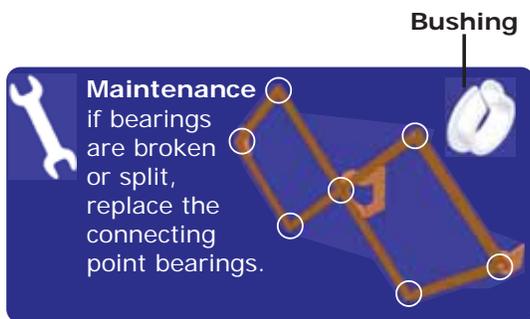
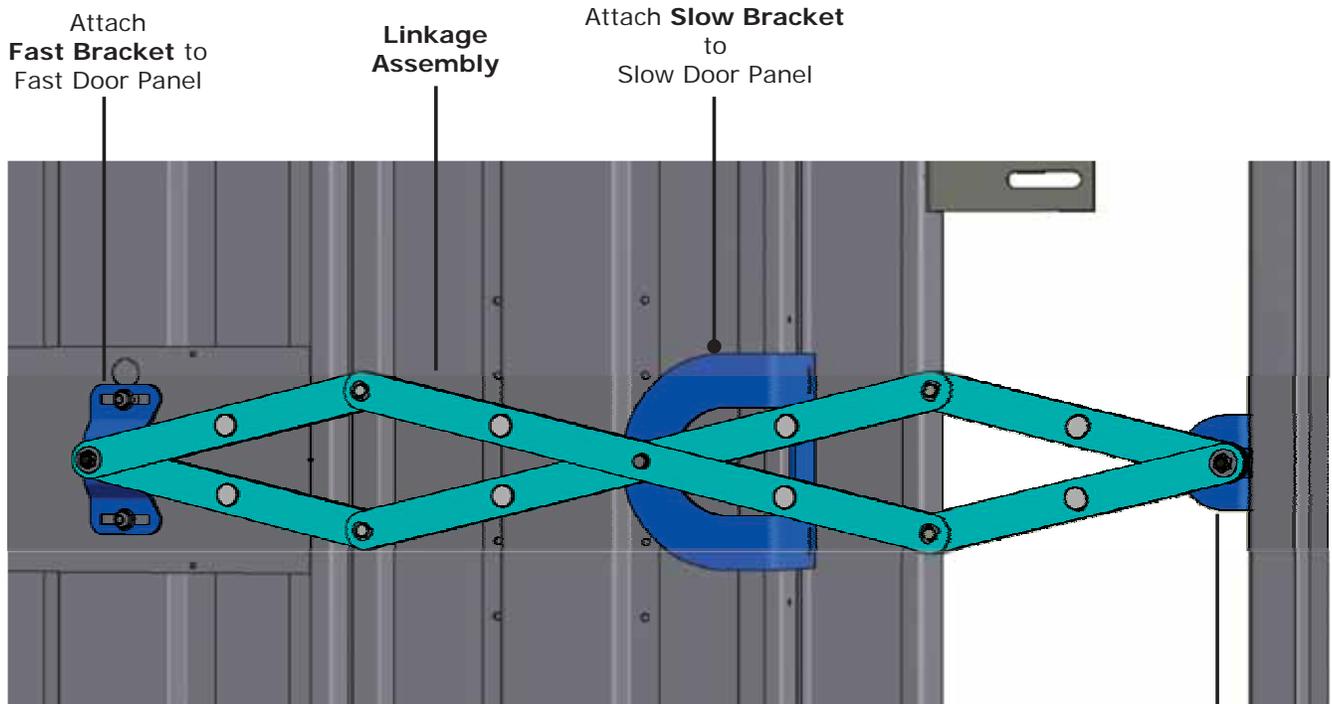
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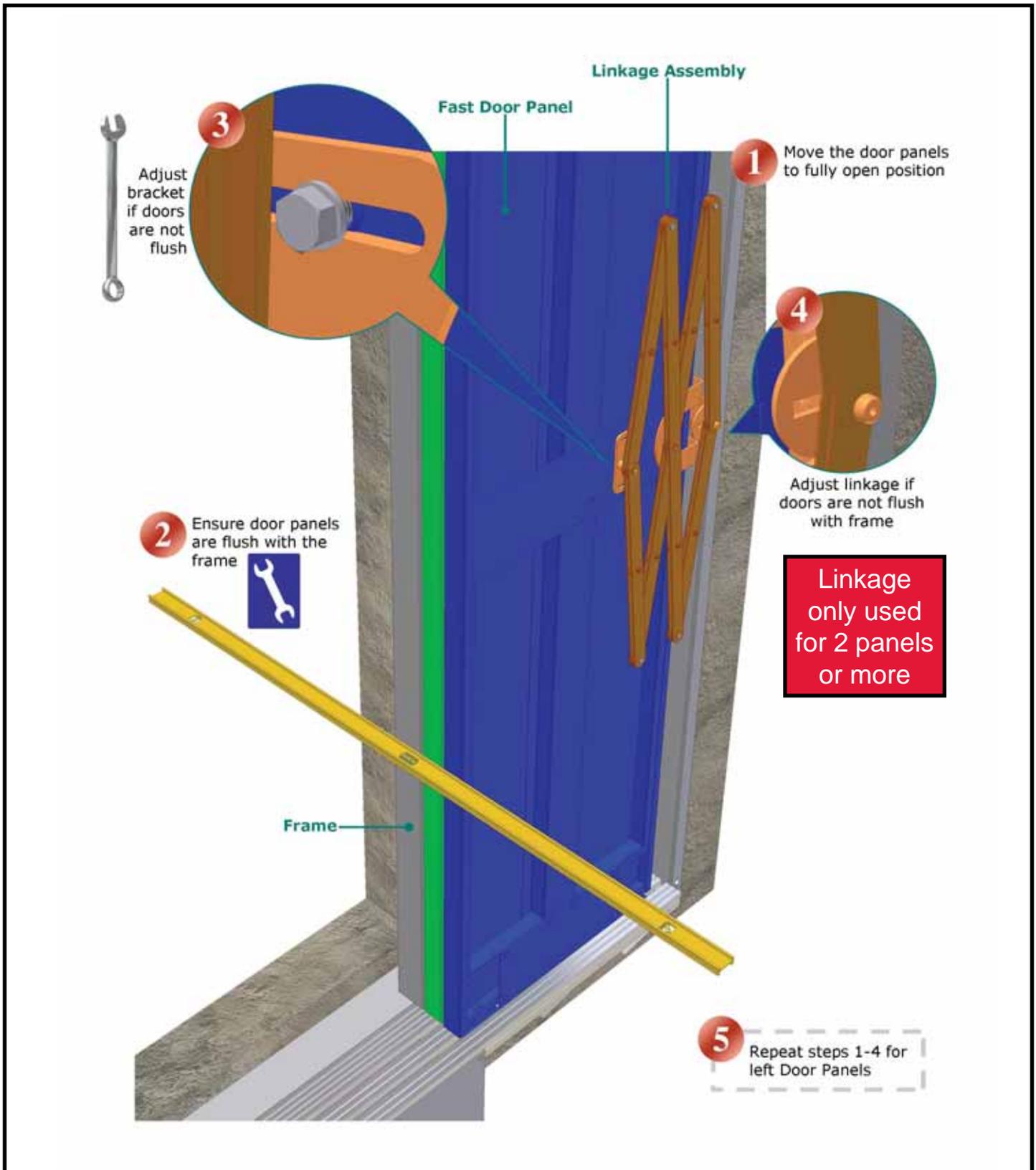
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Linkage
only used
for 2 panels
or more



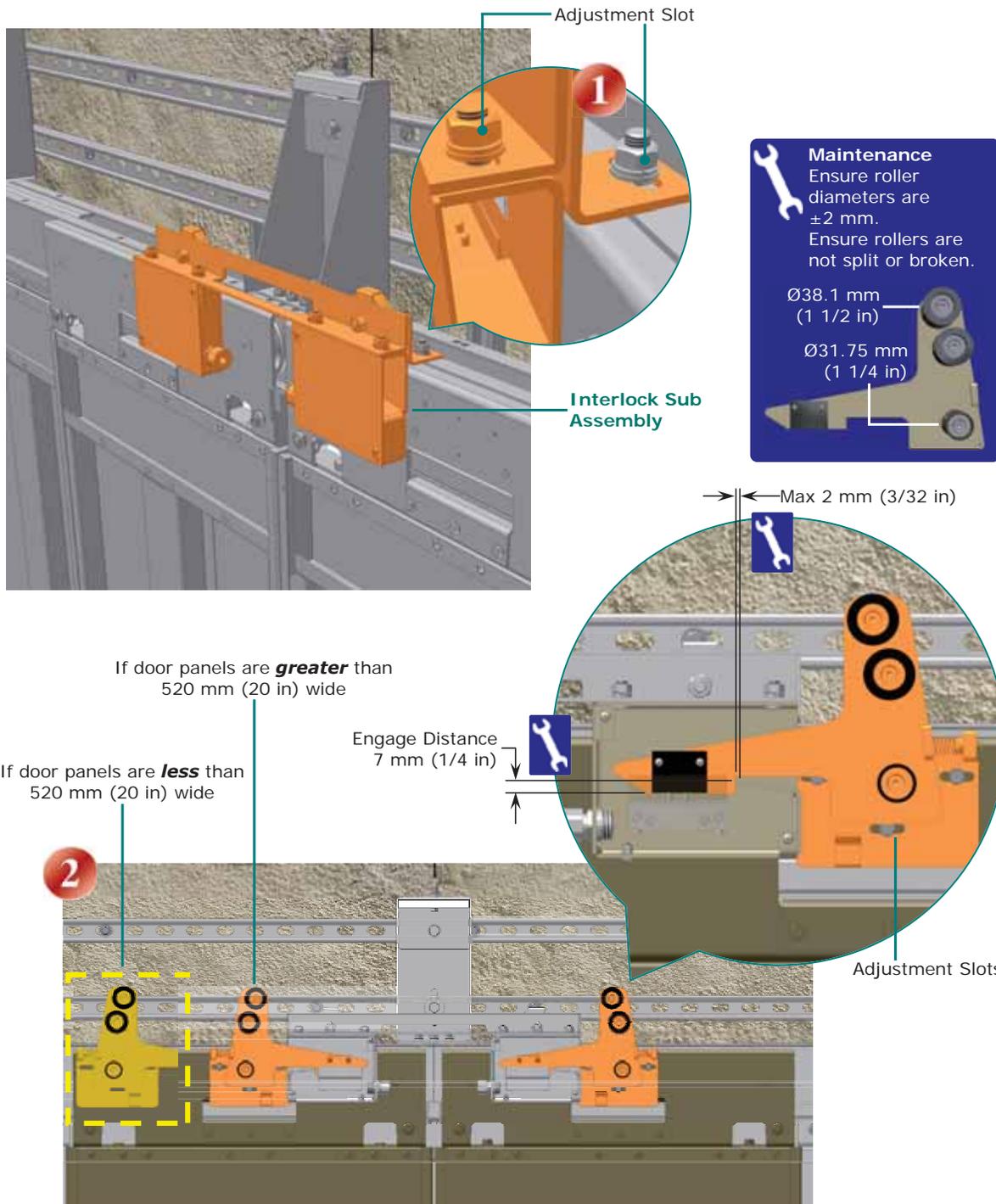
Landing Door Linkage Adjustment

HSD Landing Door



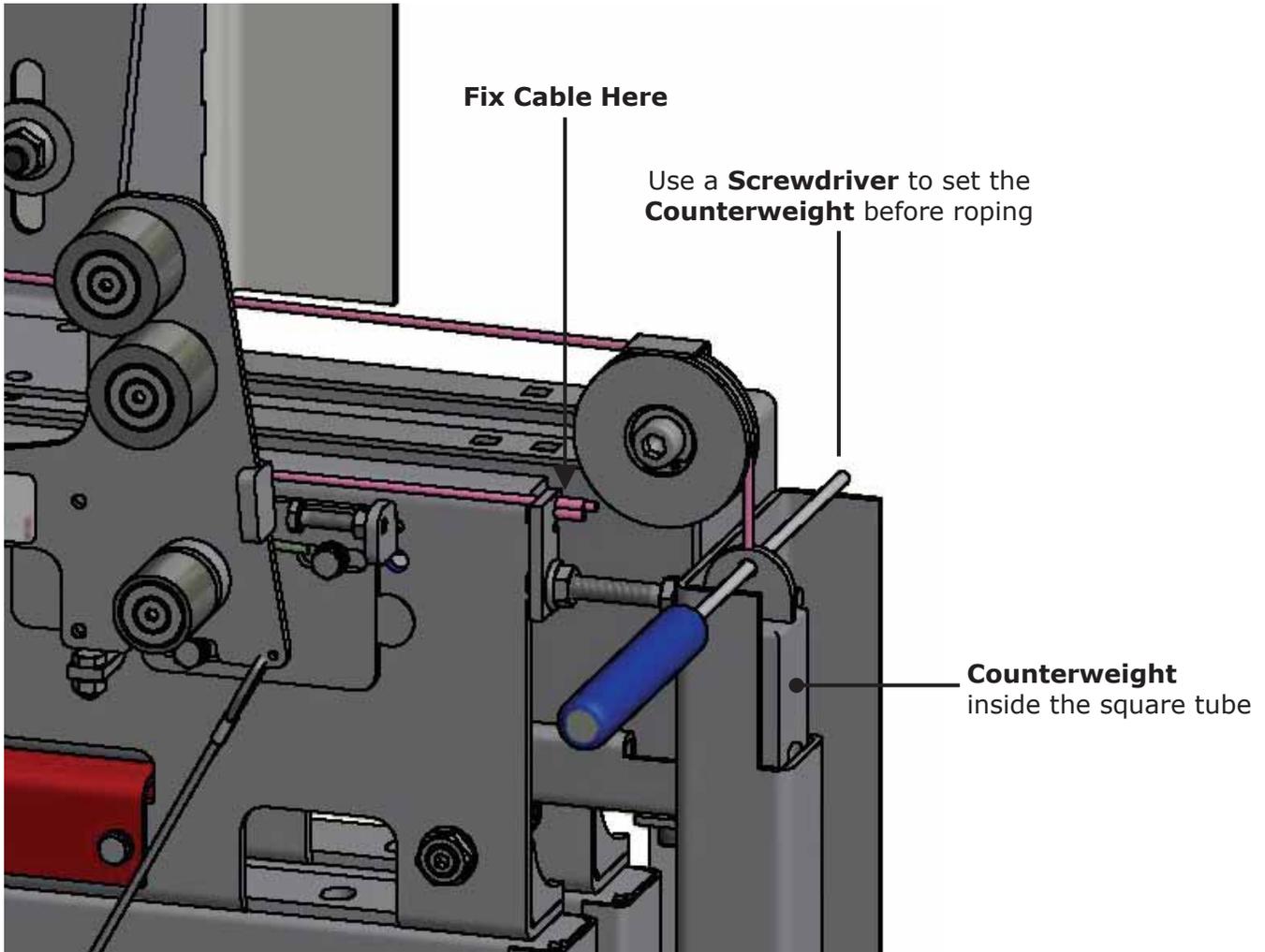
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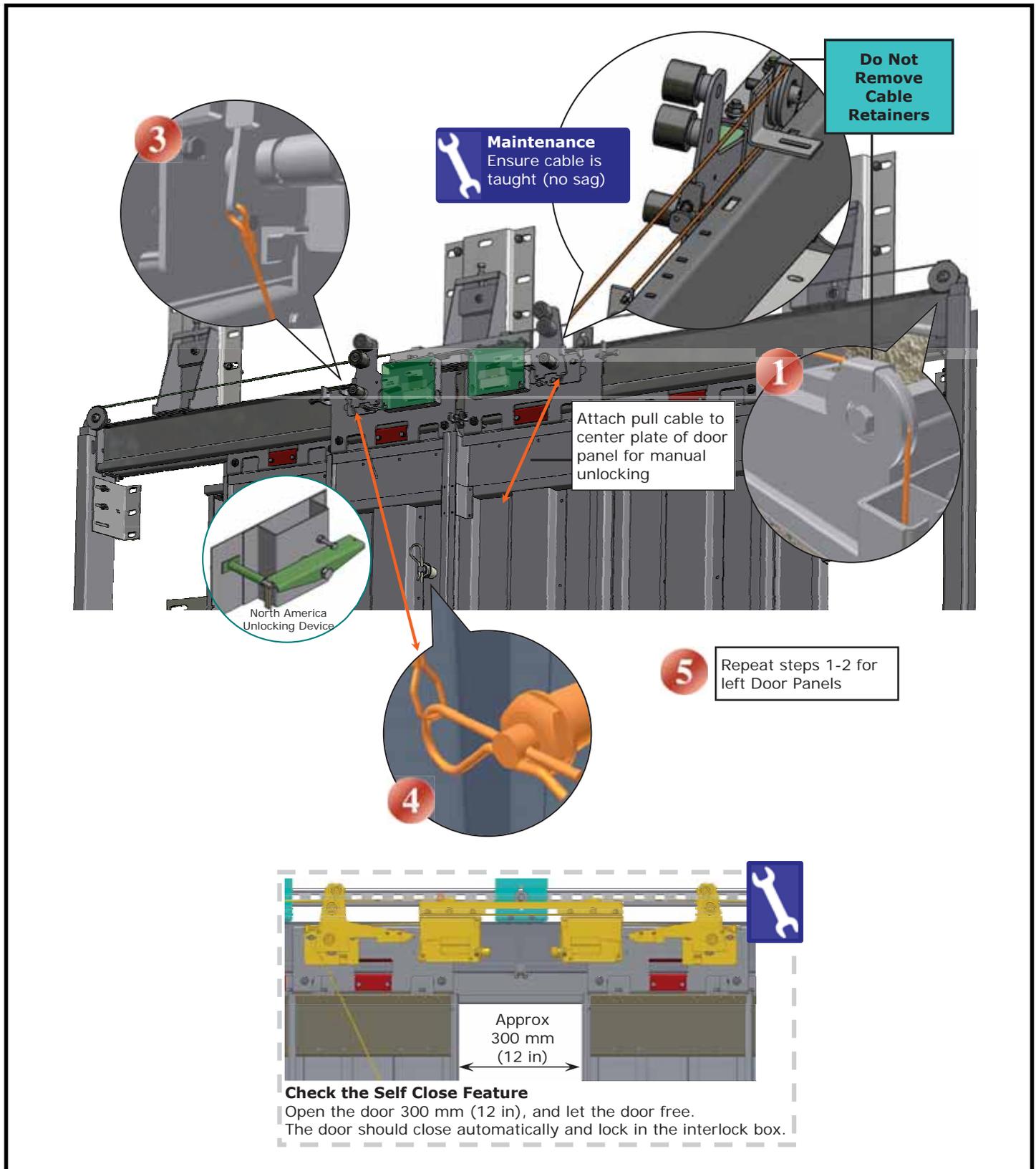
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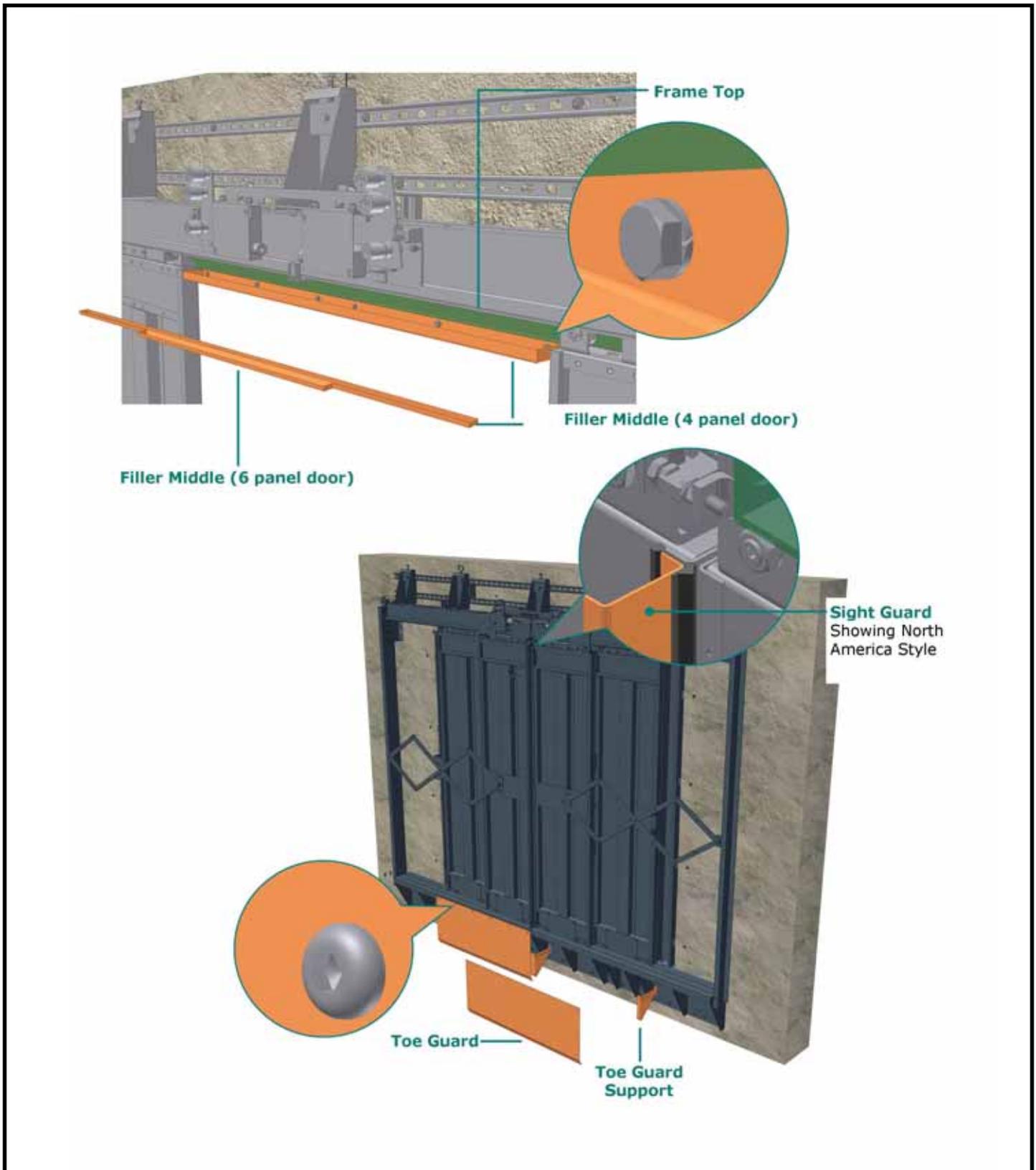
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Wire Roping (Counterweight & Unlocking Device) HSD Landing Door



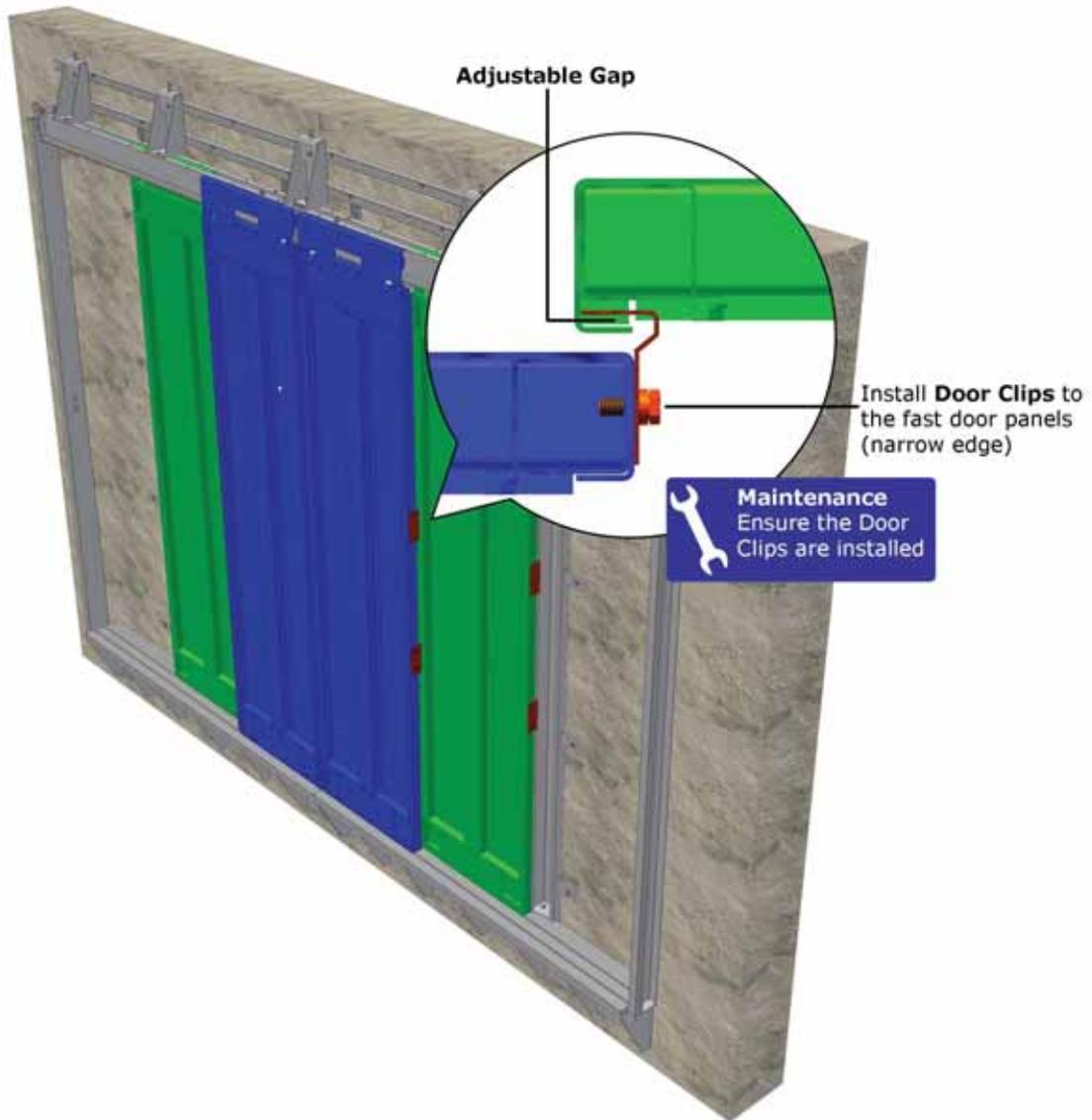
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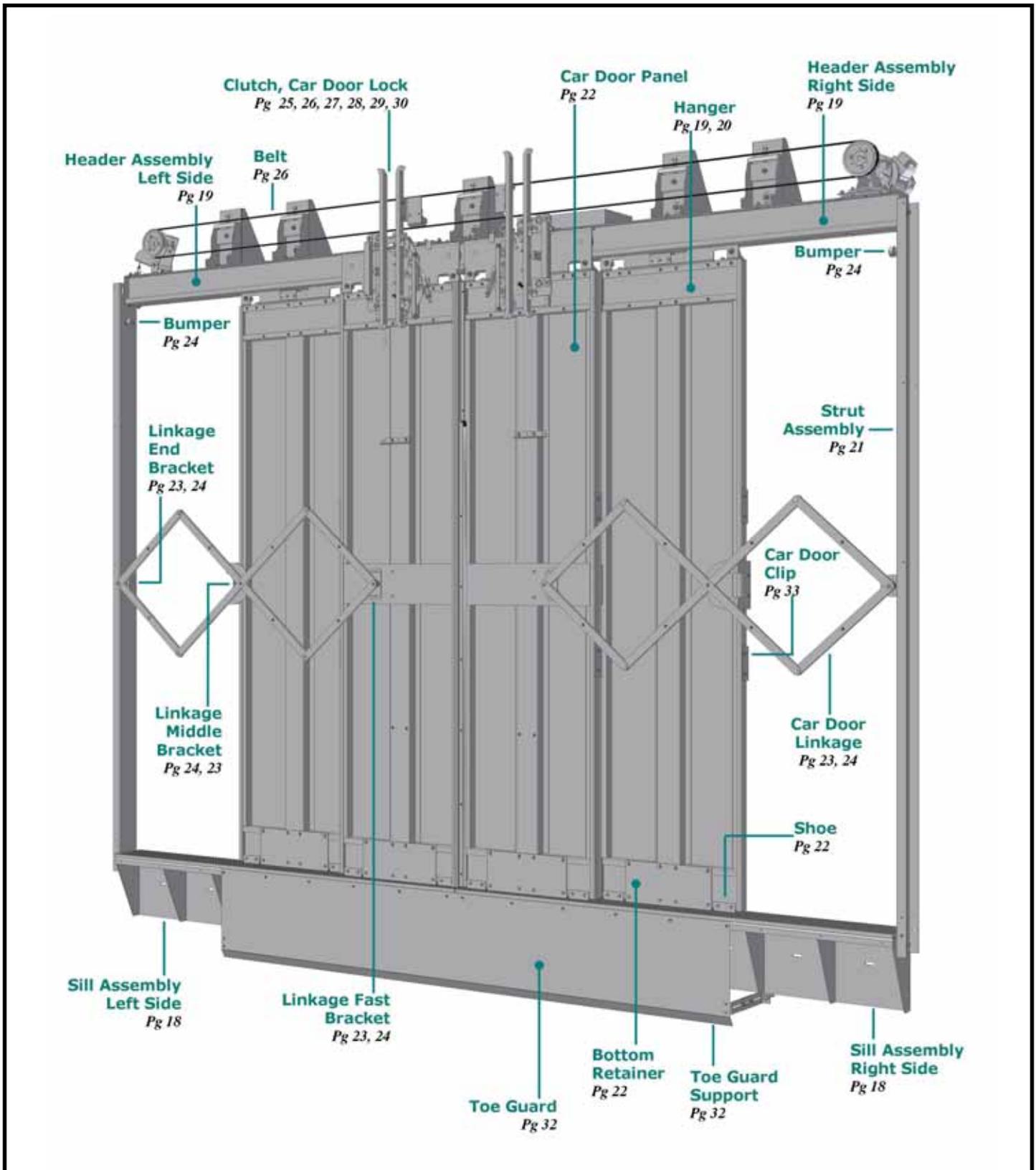
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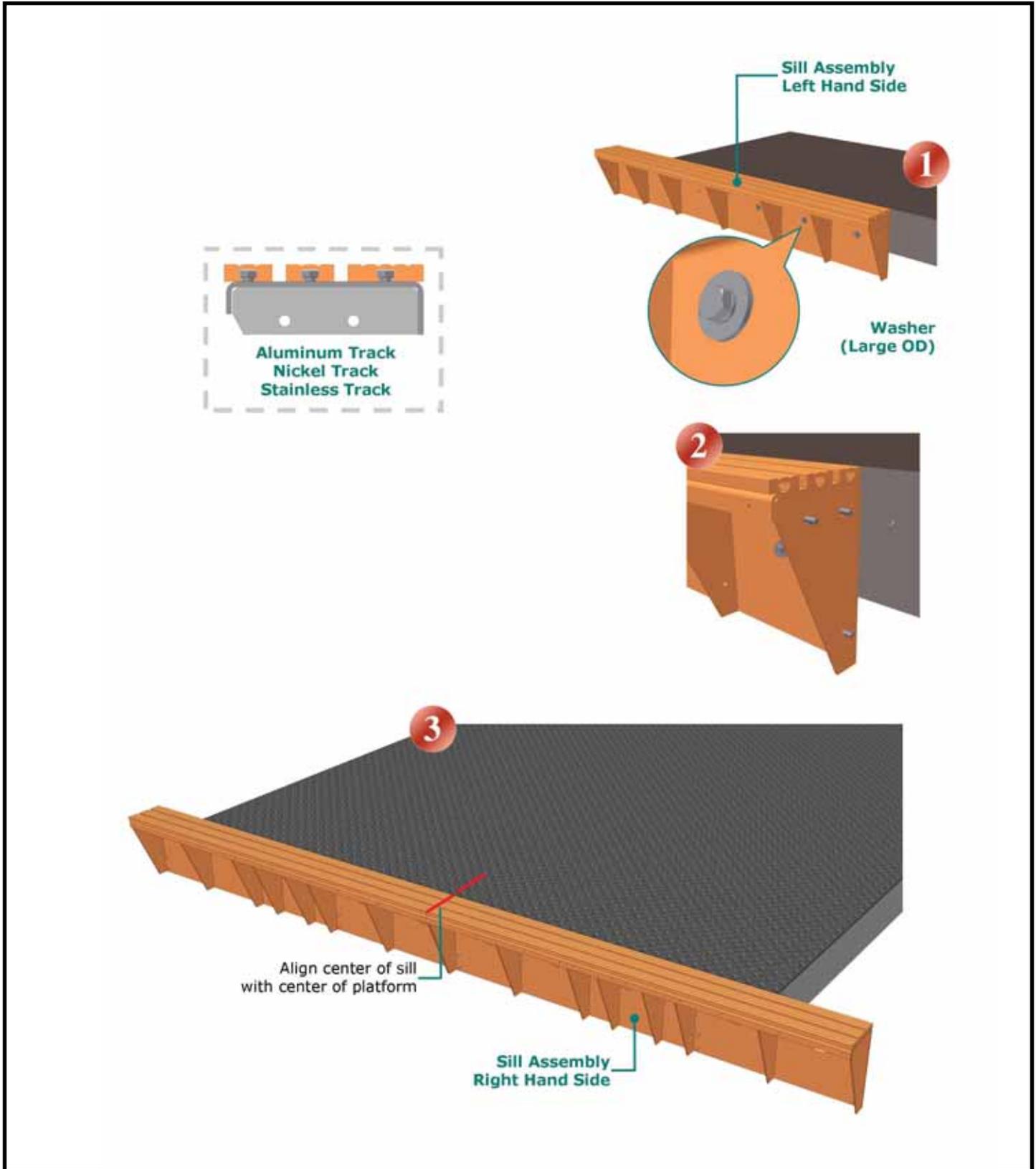
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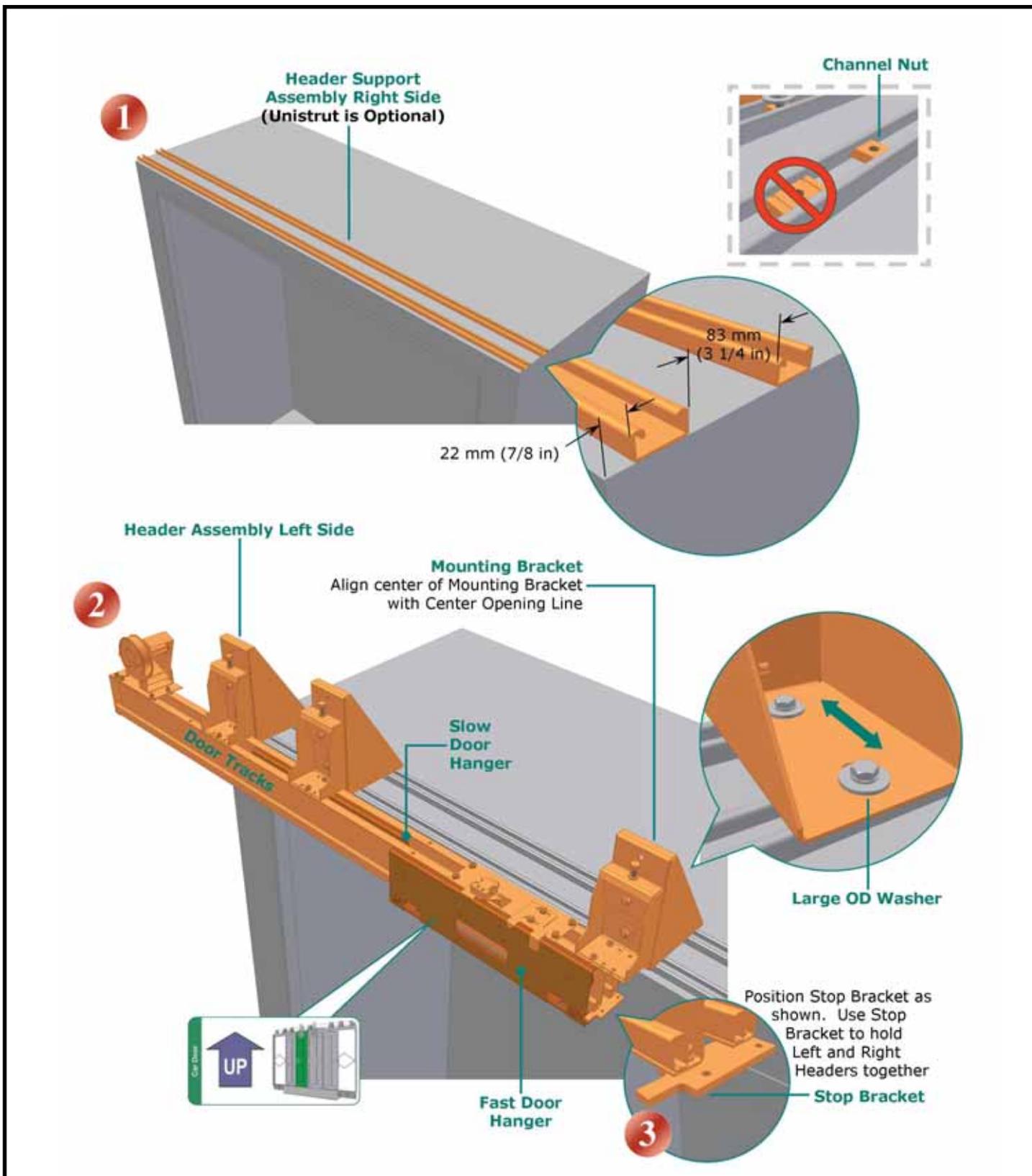
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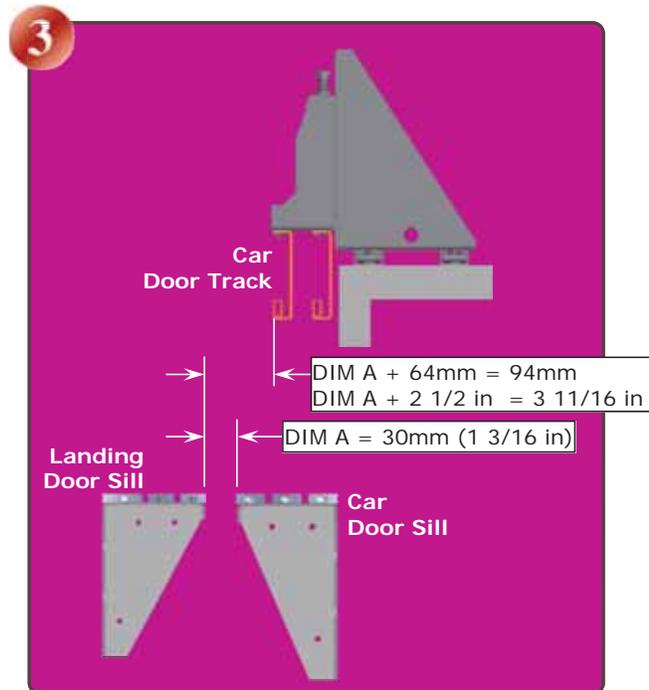
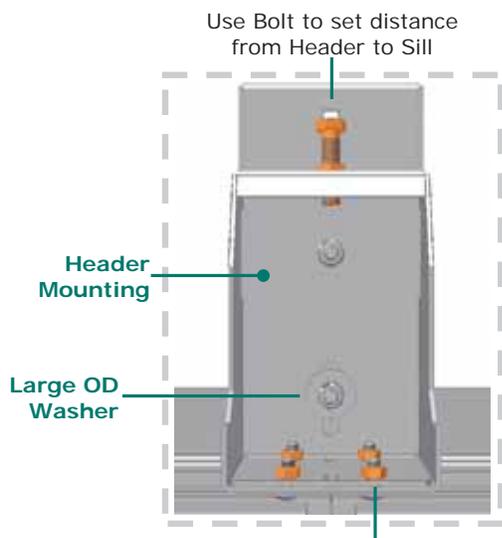
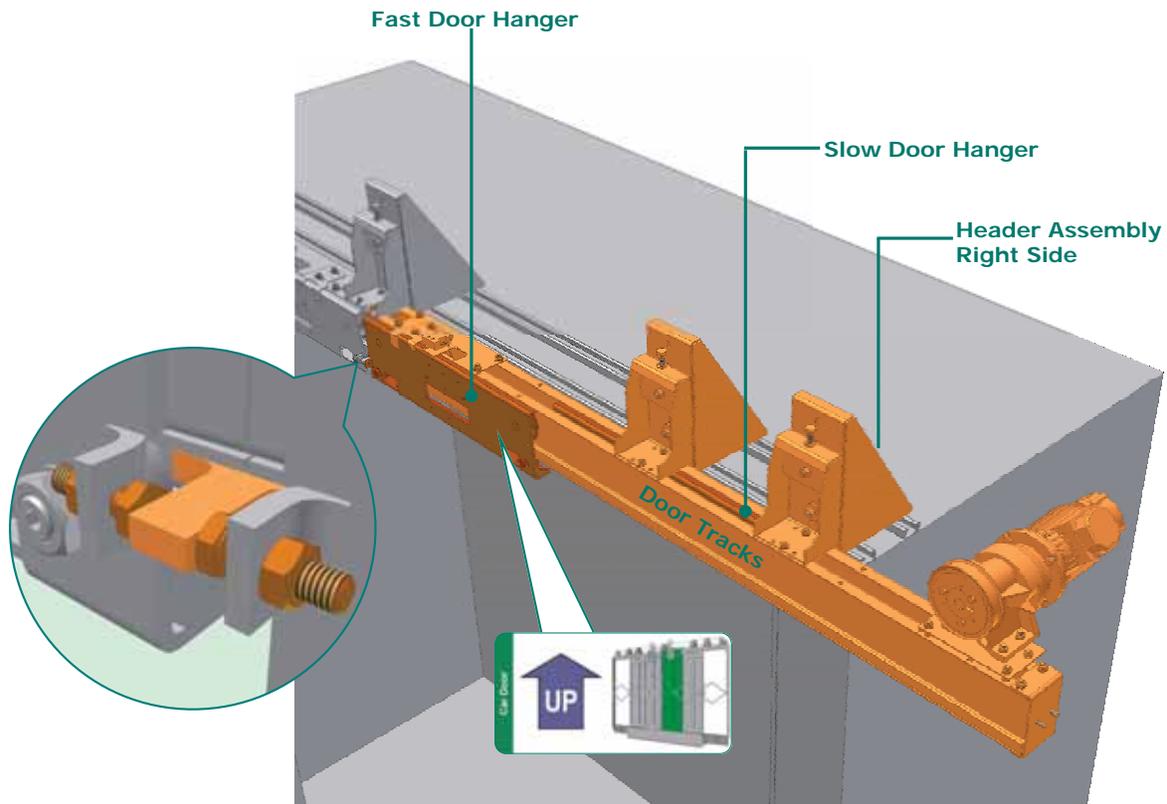
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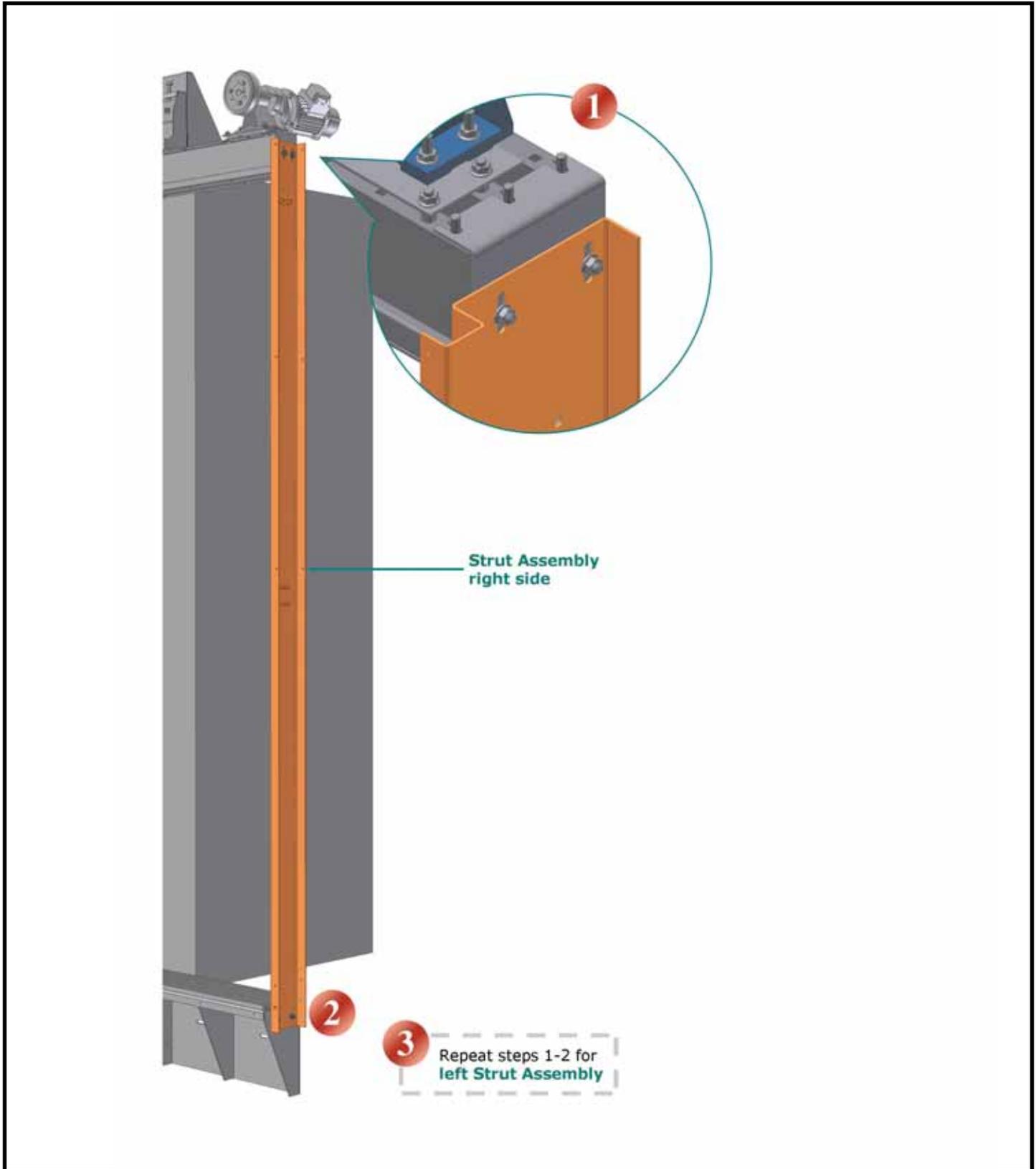
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Fast Door Hanger

Mounting Bolt
(Panel may need shim)

1

Car Door Shoe Spacer insert between door panel and shoe
After installing the **Shoe Assembly** ensure the panel moves freely

Fast Door Panel

Narrow Side

Leading Edge

2 After installing the **Shoe Assembly** ensure the panel moves freely

3 **Bottom Retainer**

4 6 mm (1/4 in) MAX

1.5 mm (1/16 in)

5 Repeat steps 1-4 for all other Door Panels

Maintenance
Ensure there is no more than 1.5 mm gap on either side of the shoes. If gap is greater than 1.5 mm its time to replace the shoes.

Adjust Header Mounting to keep 6 mm gap between bottom of panel and track

Adjust Header Mounting



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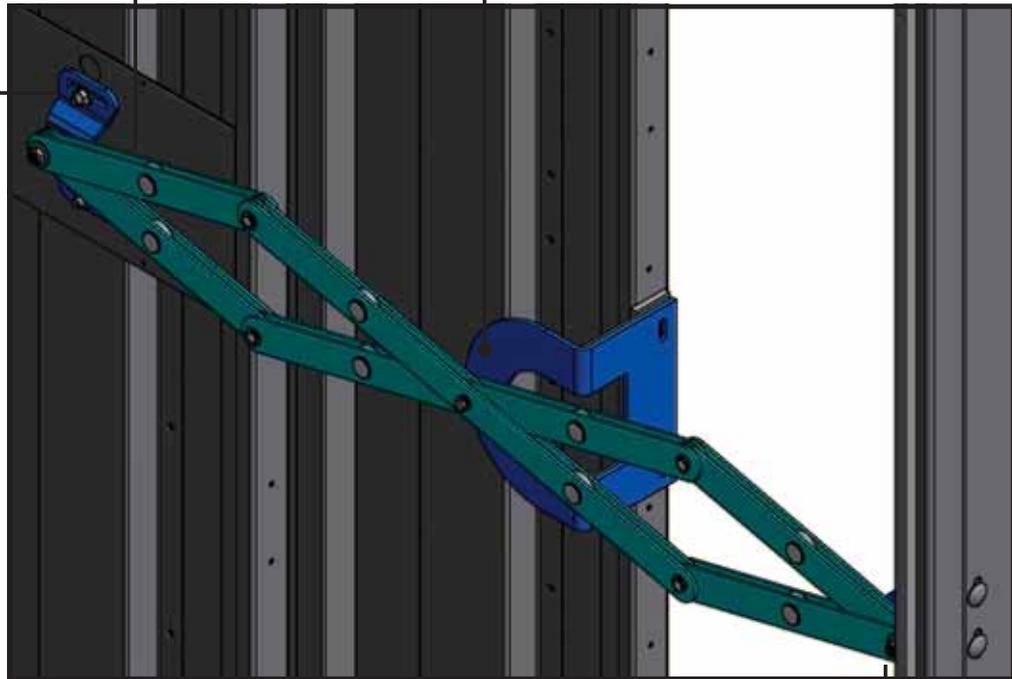
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Linkage only used for 2 panels or more

Linkage Assembly

Attach **Slow Bracket** to Slow Door Panel

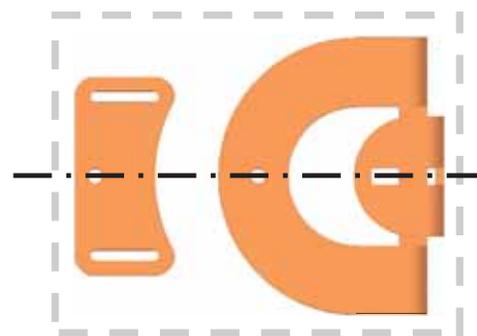
Attach **Fast Bracket** to Fast Door Panel



End Bracket & Shoulder Bolt

Maintenance
if bearings are broken or split, replace the connecting point bearings.

Bushing

A diagram of a linkage assembly with a white bushing highlighted. A wrench icon is also present.

Ensure brackets are in line when in the open position

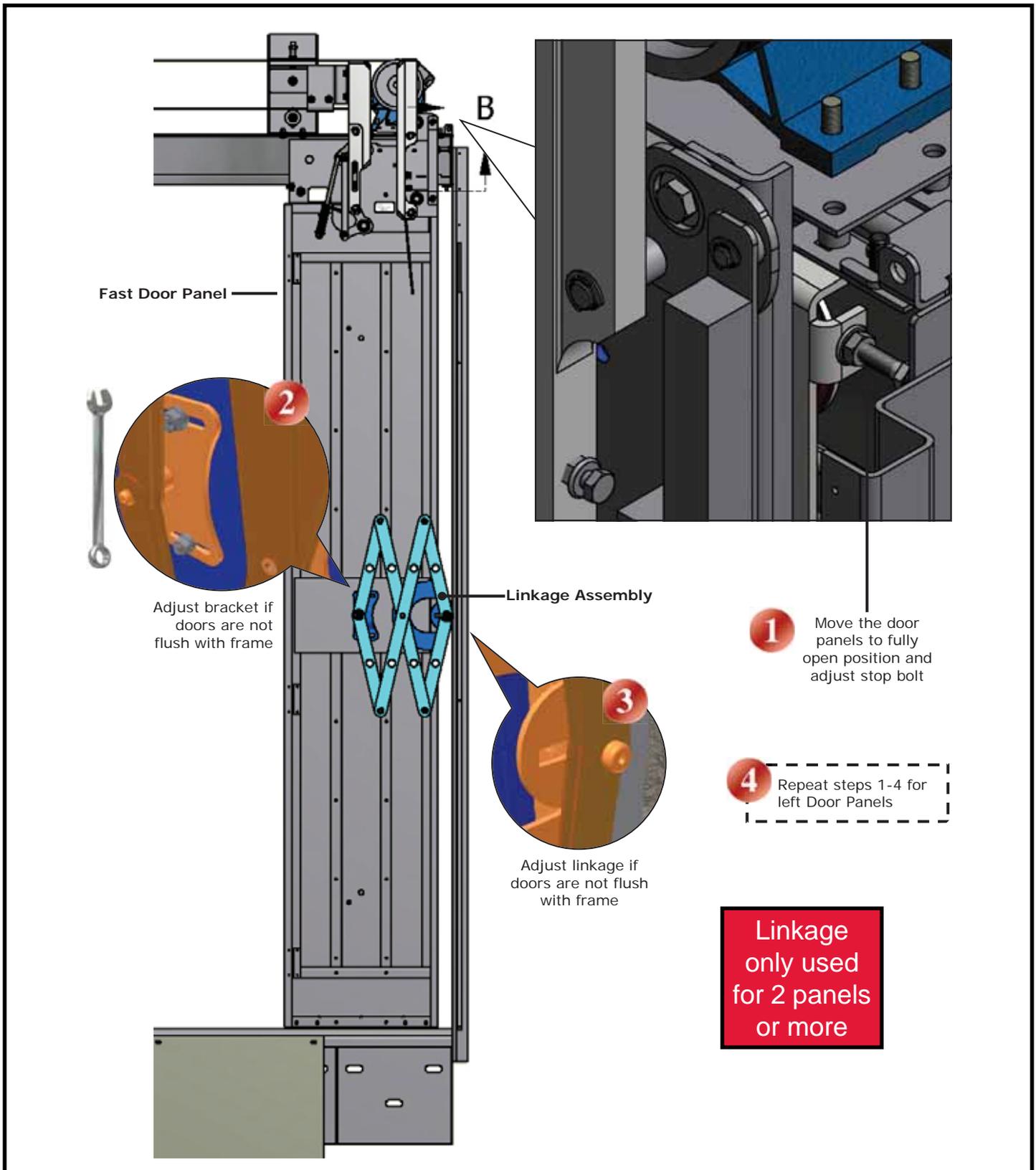


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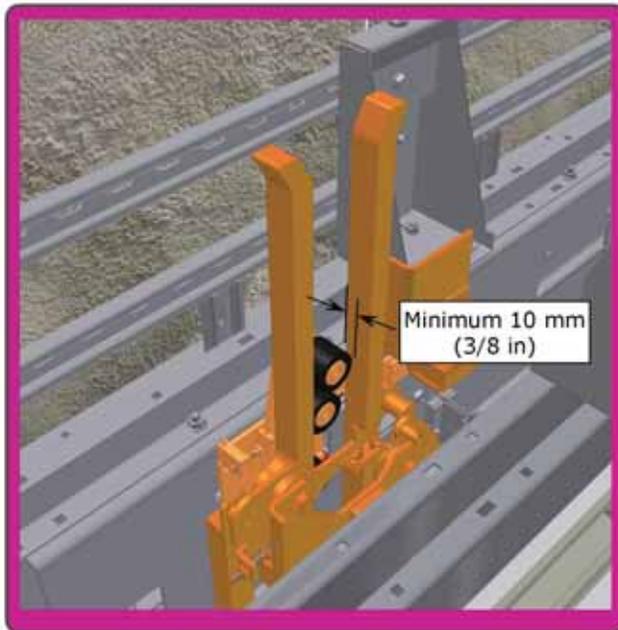
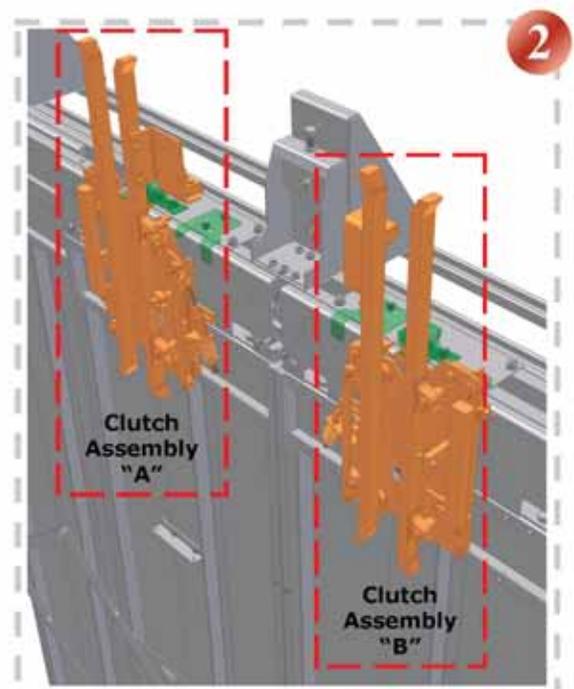
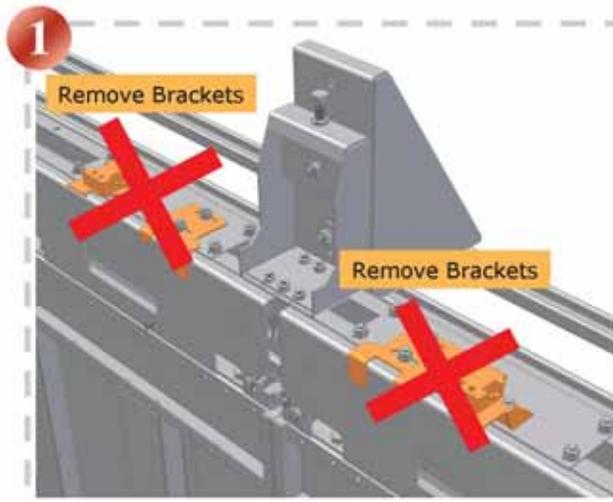
Linkage Adjustment

HSD Car Door

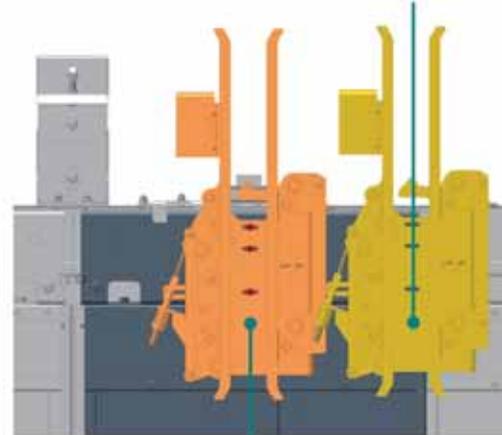


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If Door Panel width is less then 520 mm (20 in) the **Clutch** will be located in the center of the fast

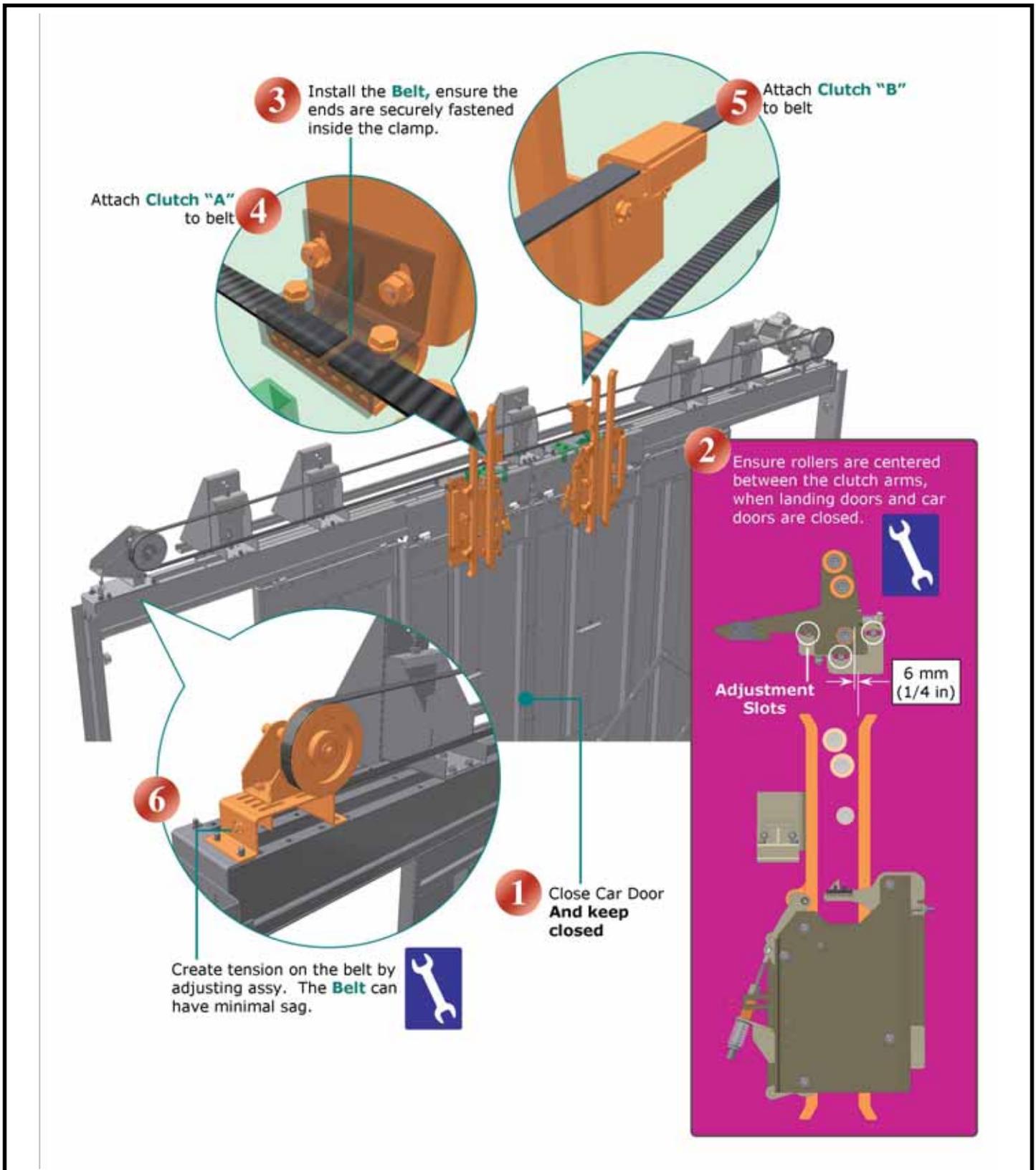


If Door Panel width is greater then 520 mm (20 in) the **Clutch** will be off center, towards the back of the fast panel



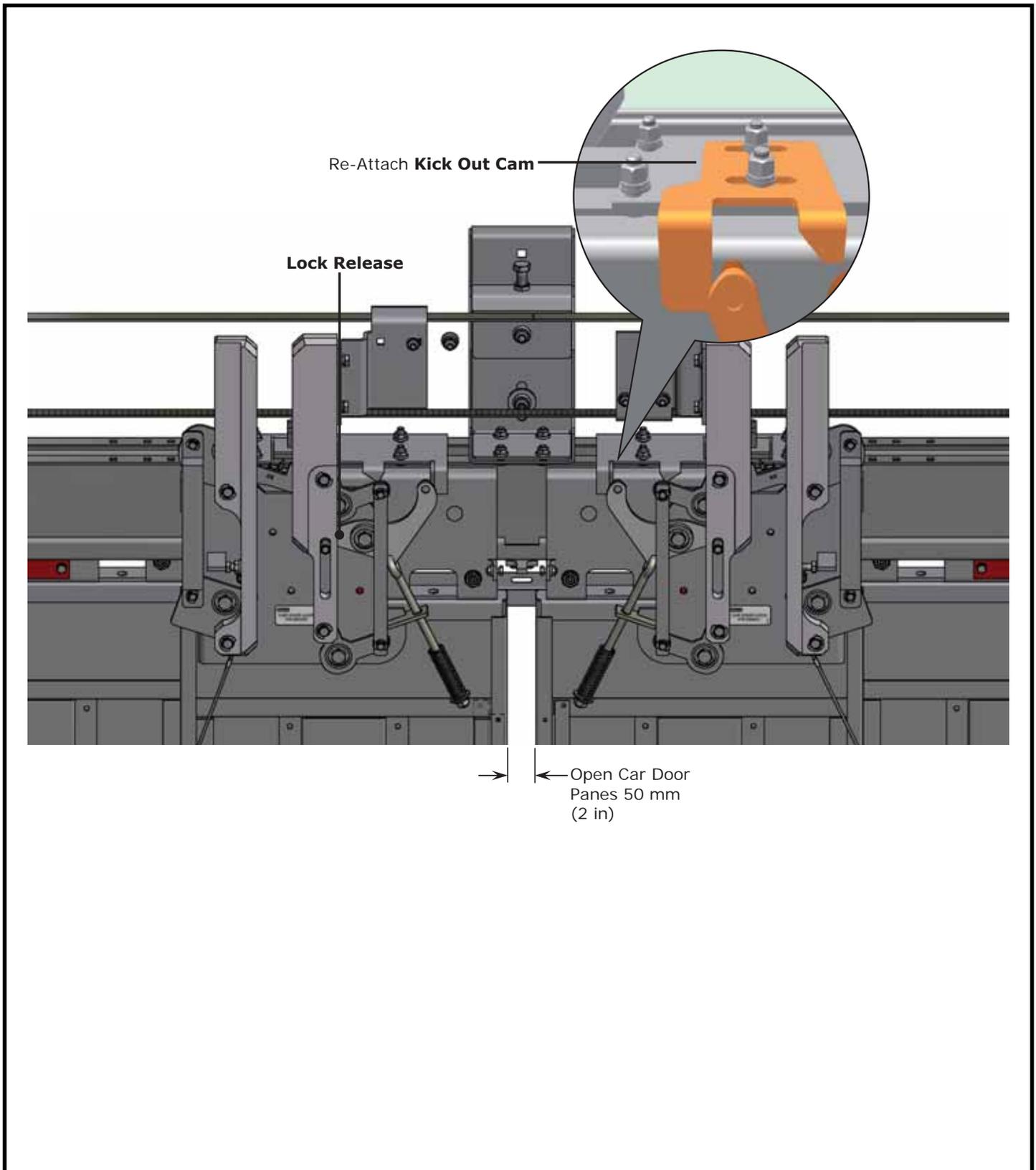
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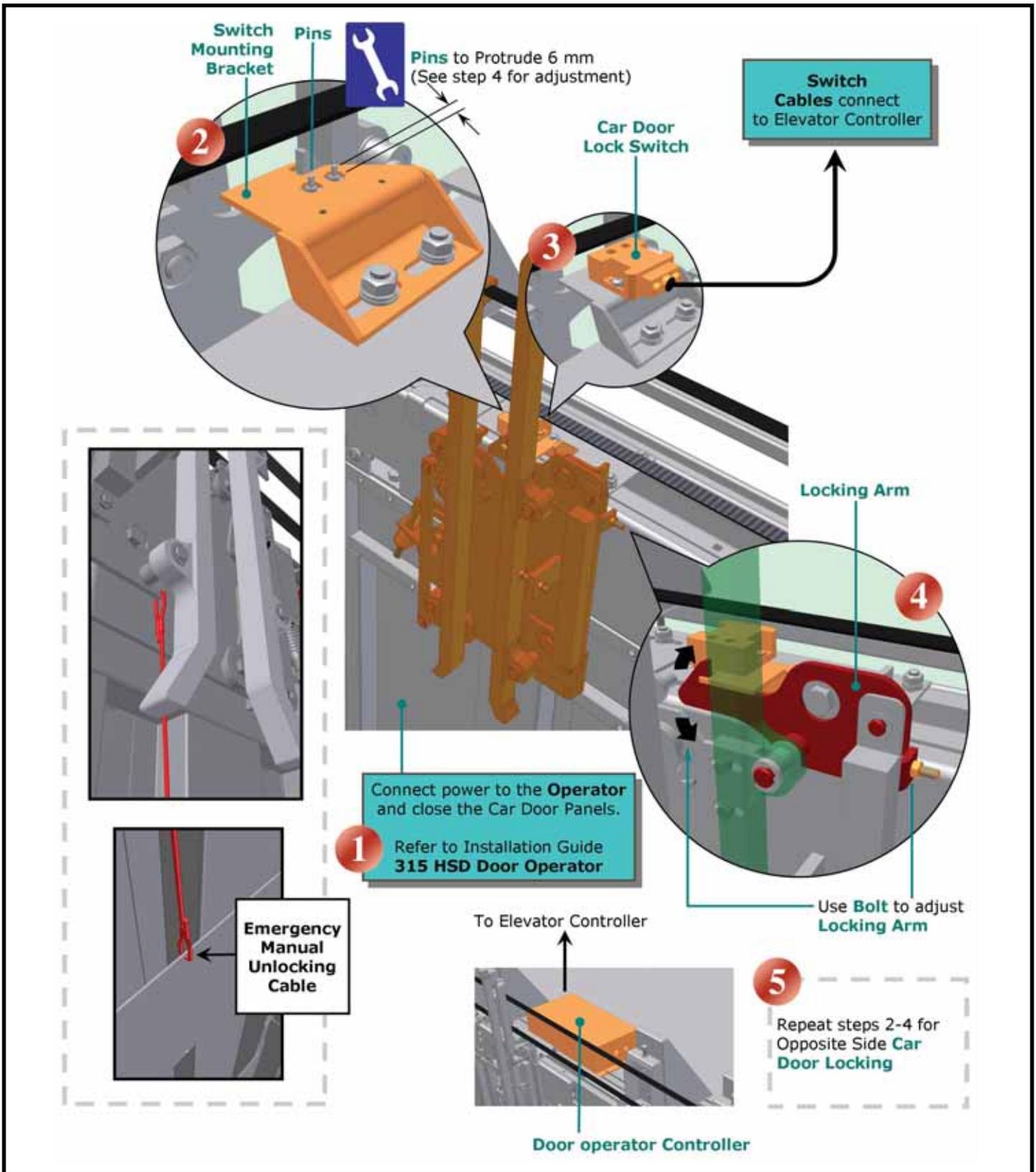
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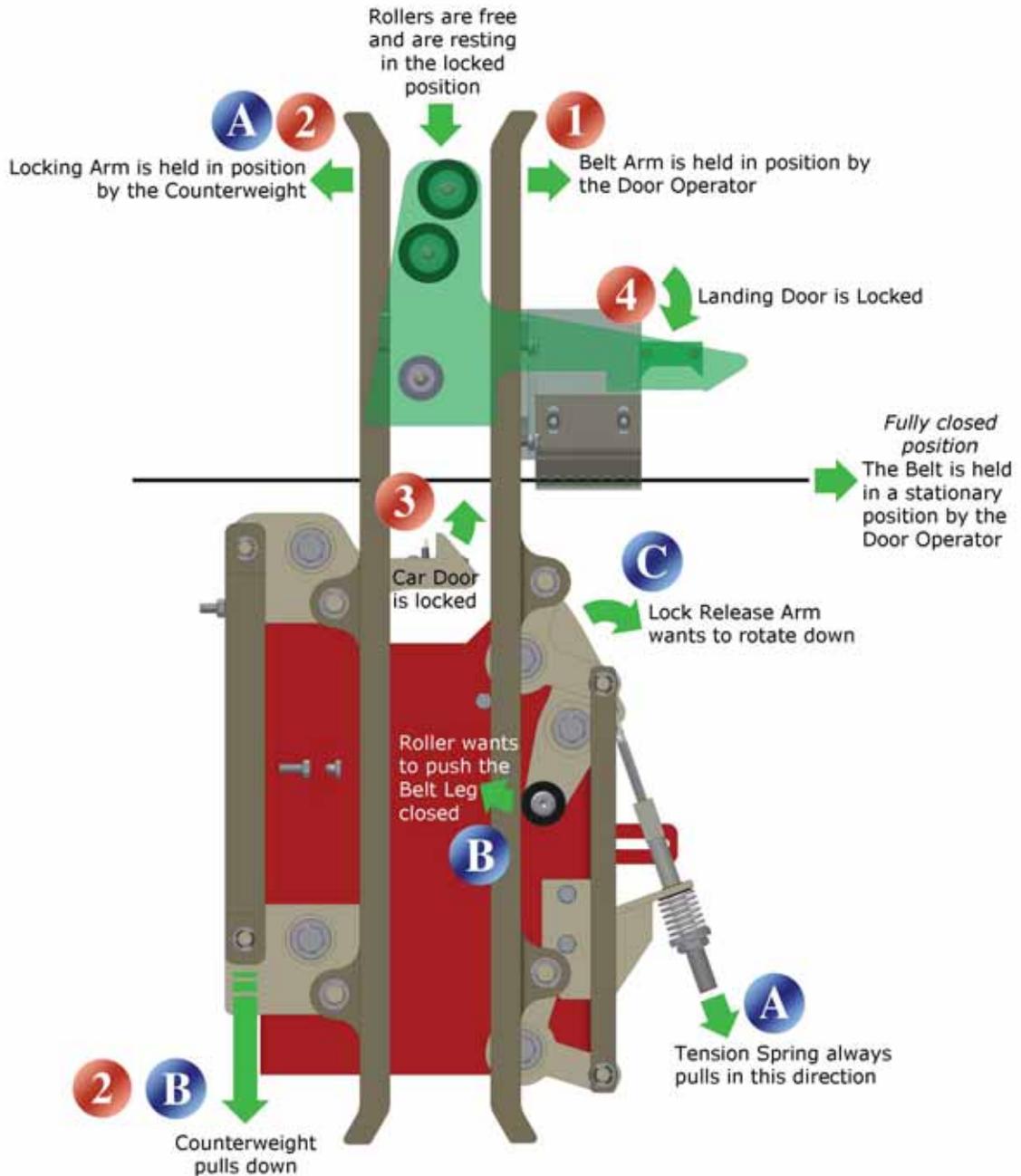




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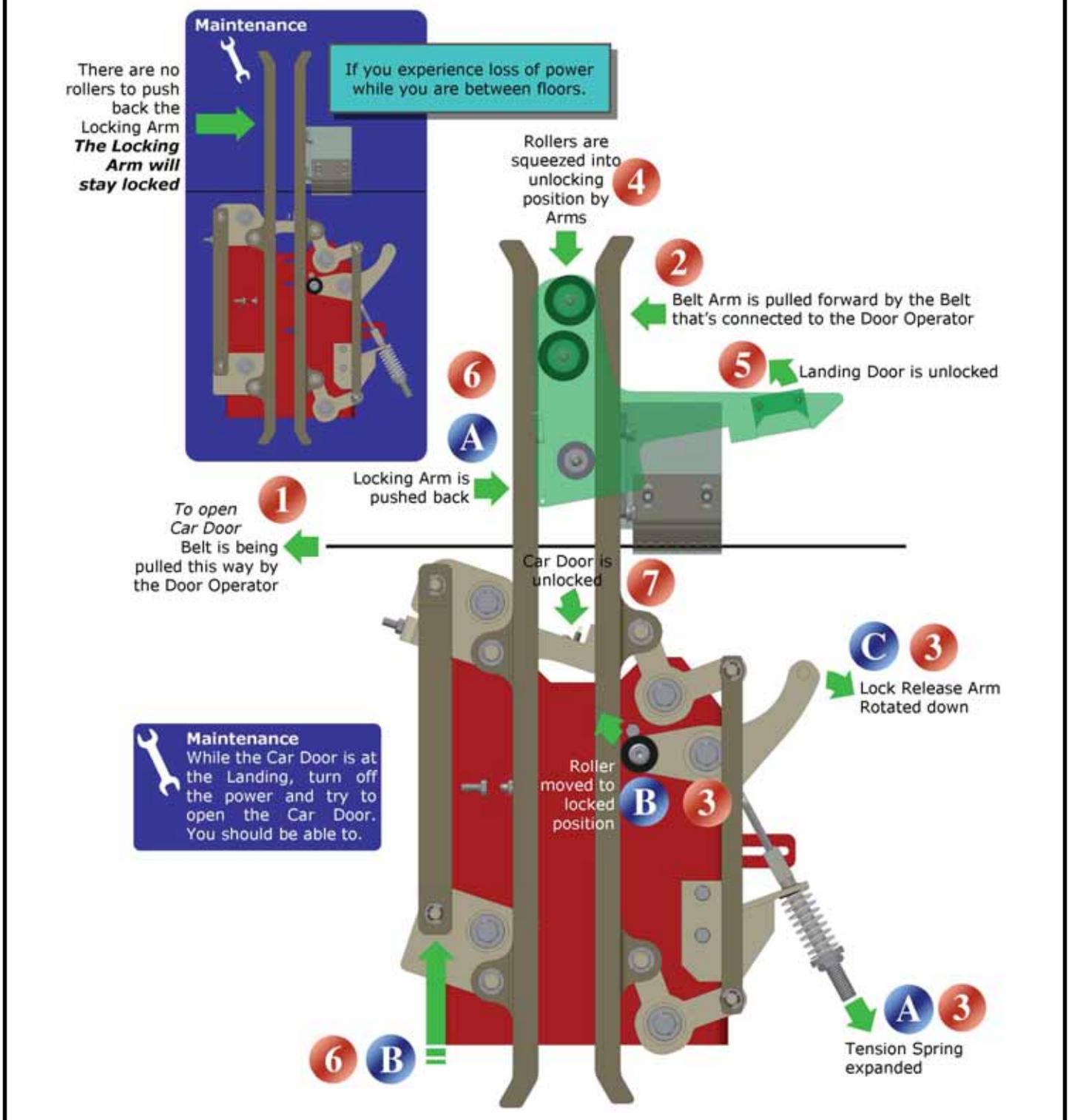
Landing Door and Car Door in **Locked** Position



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Landing Door and Car Door in **Unlocked** Position

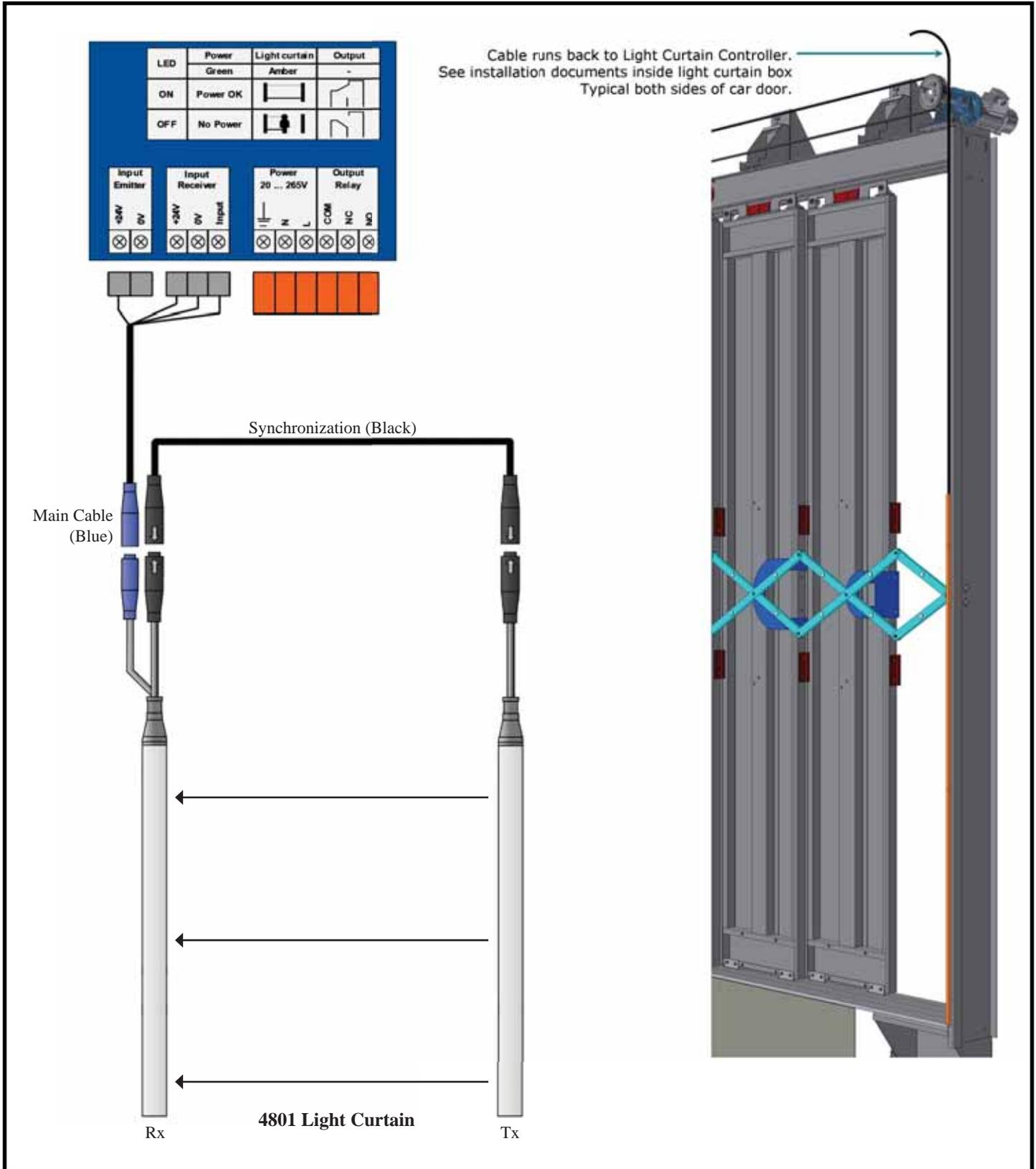


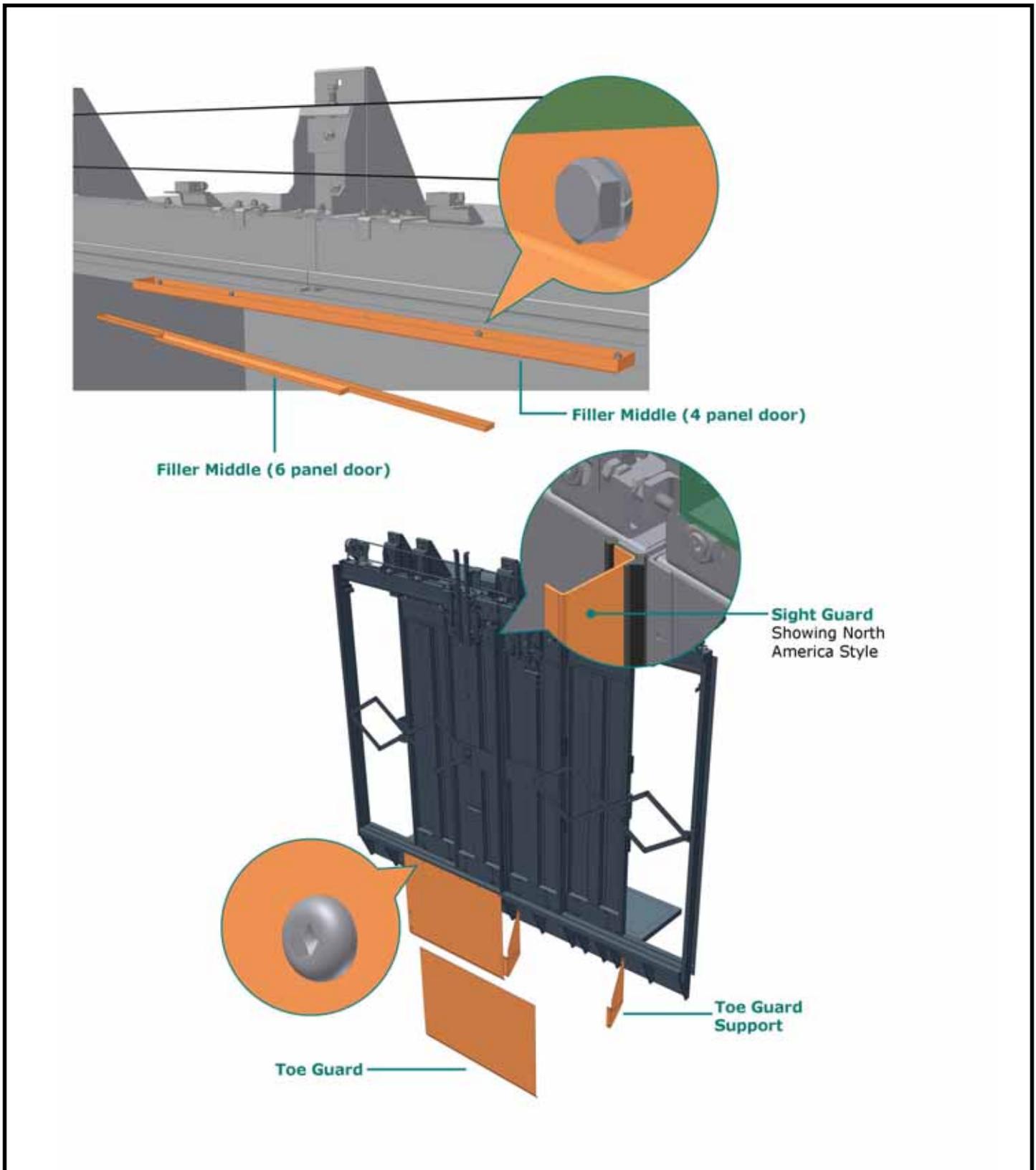
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Light Curtain

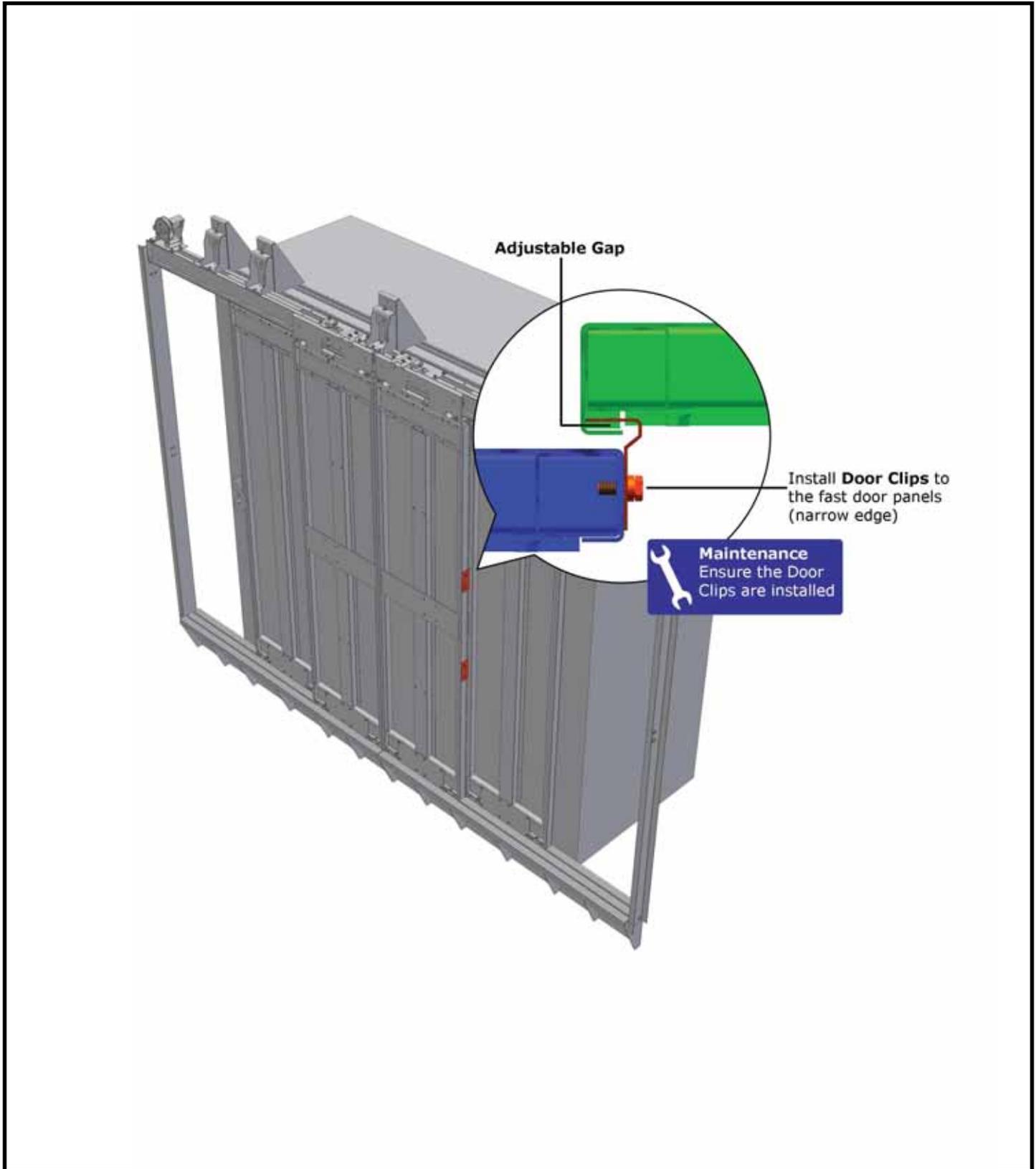
HSD Car Door





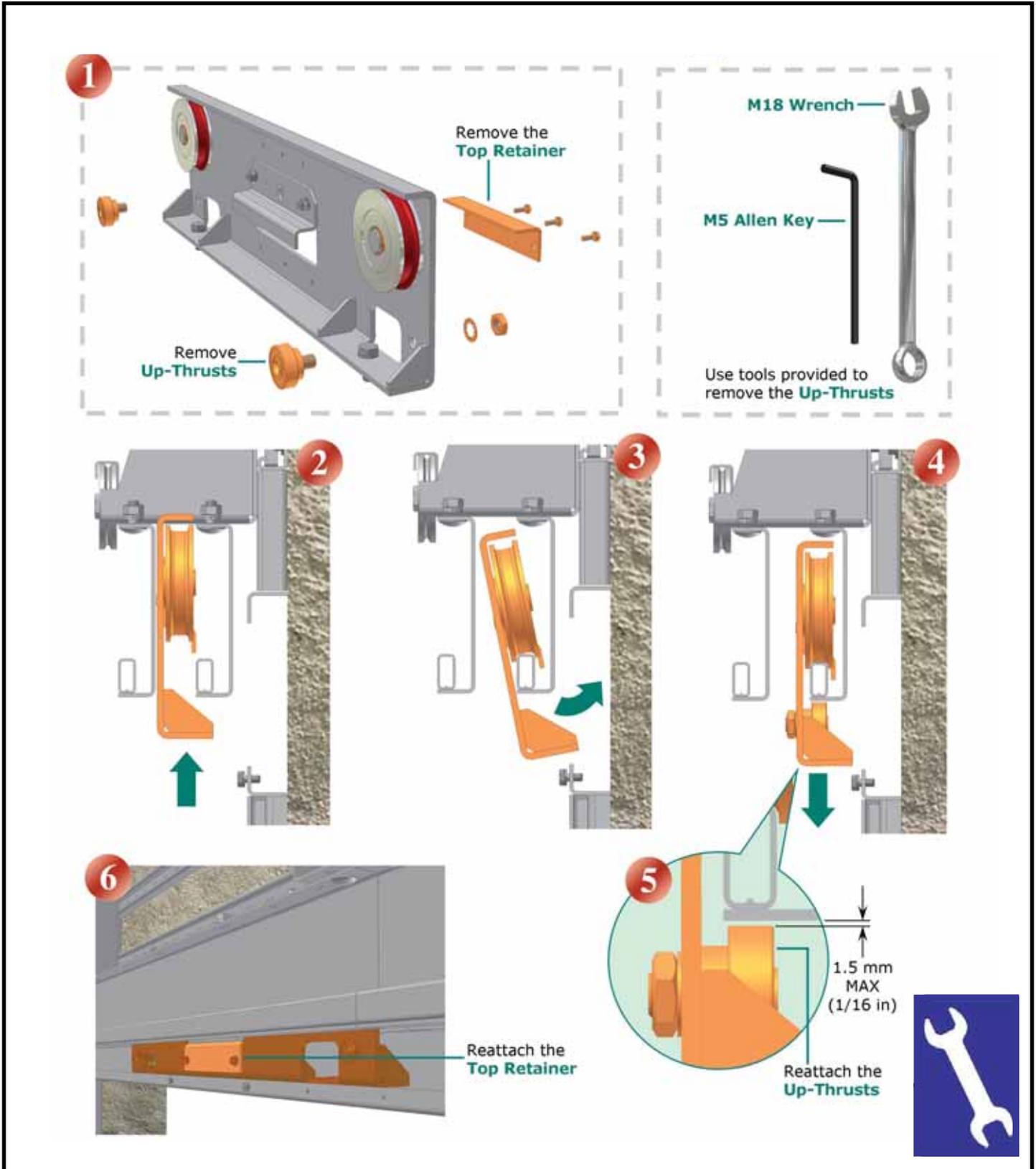
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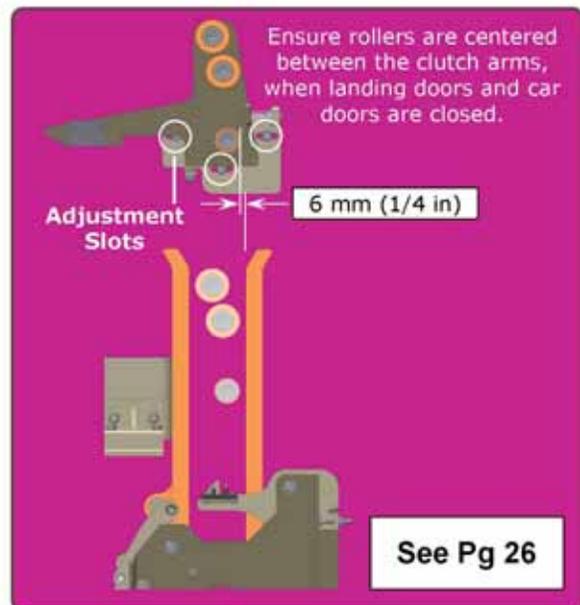
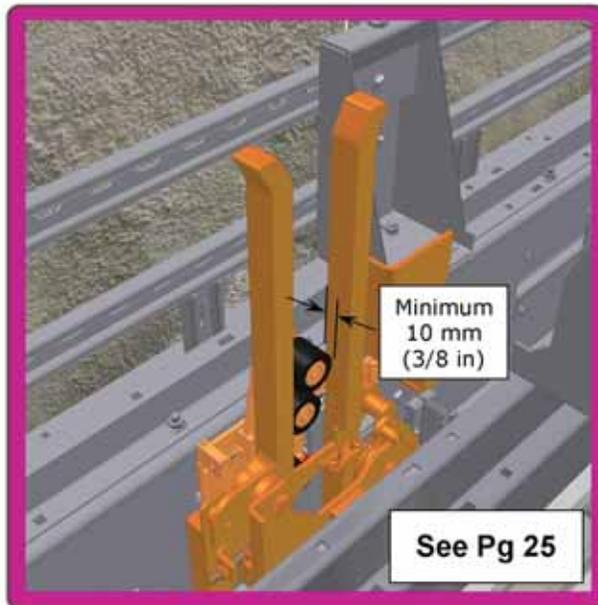
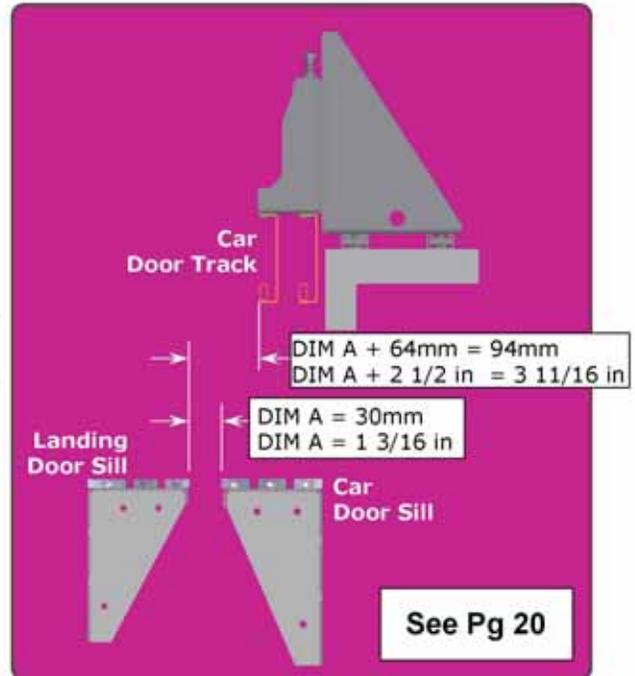
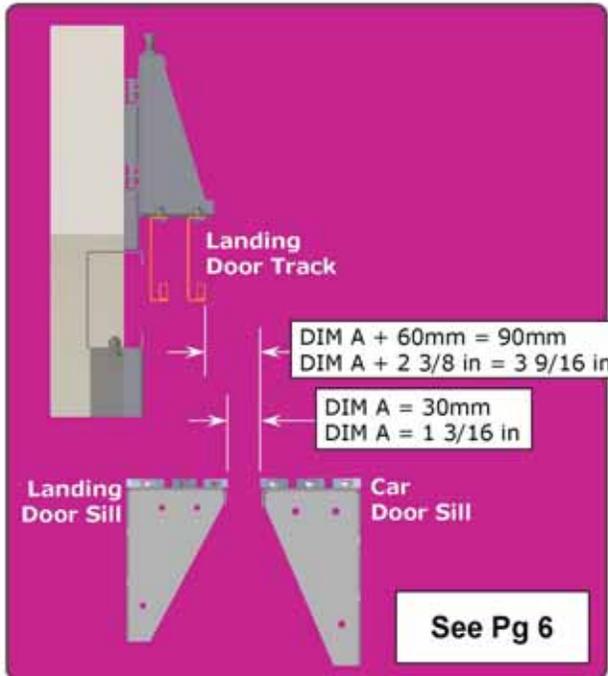
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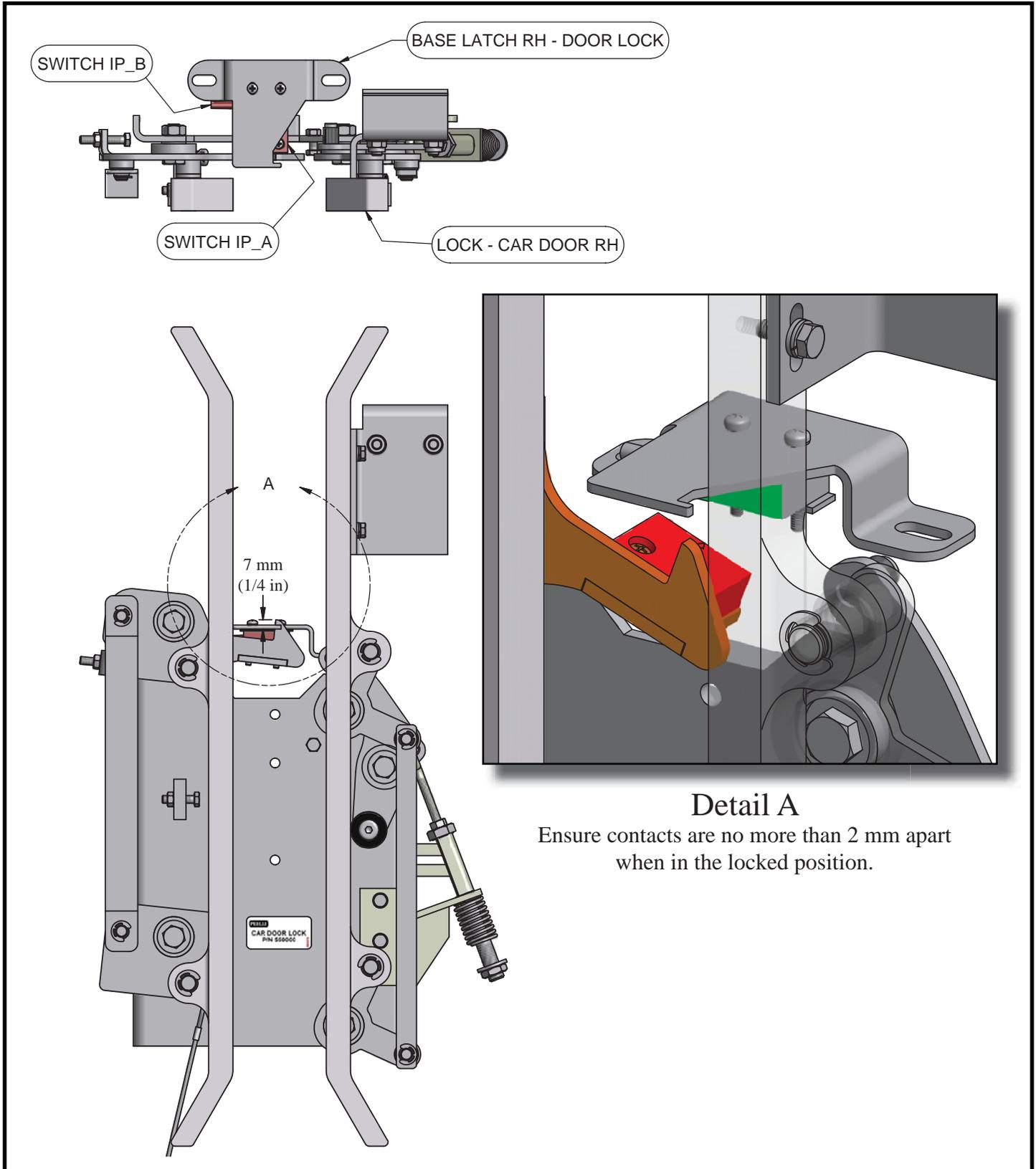
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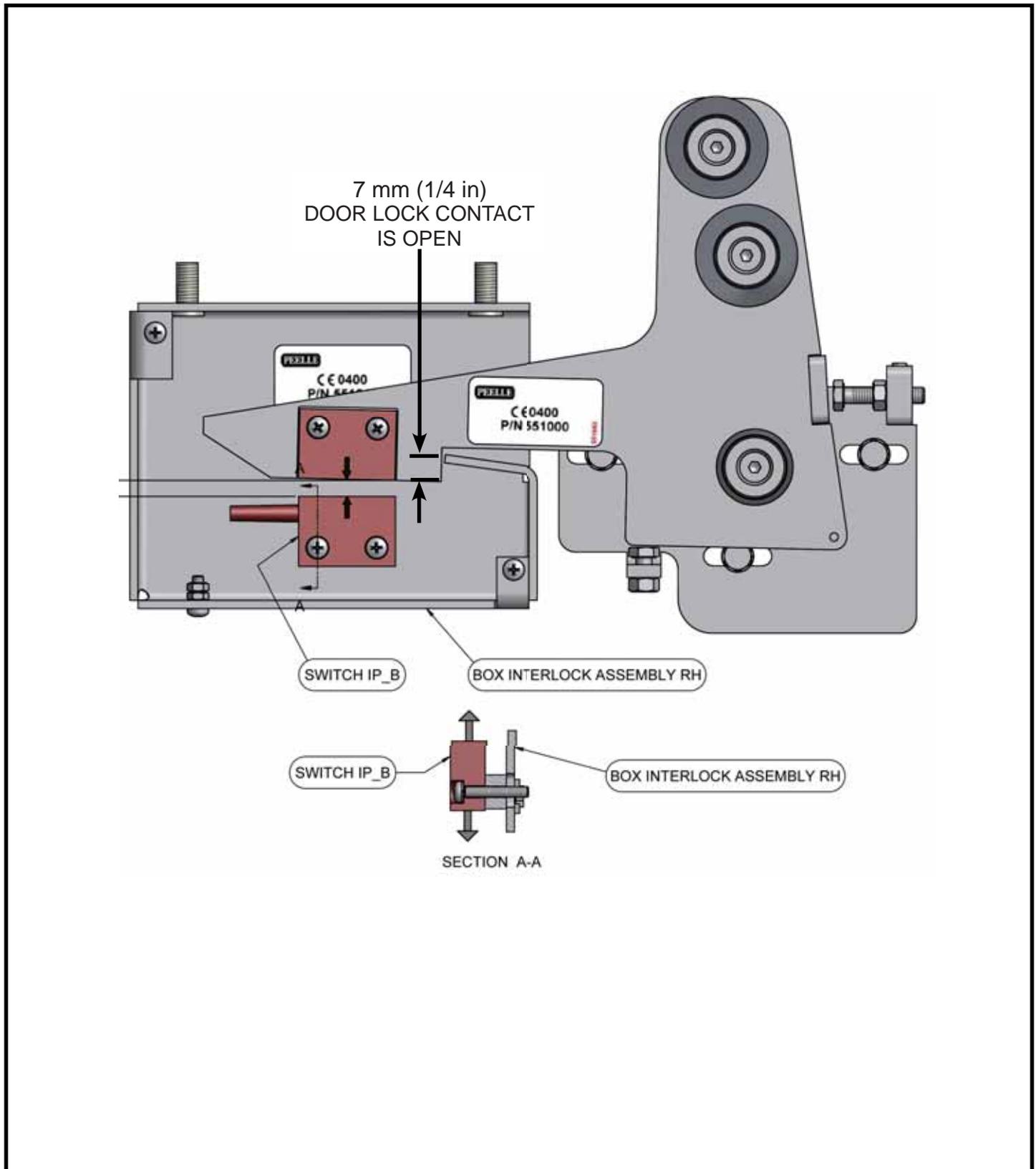
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