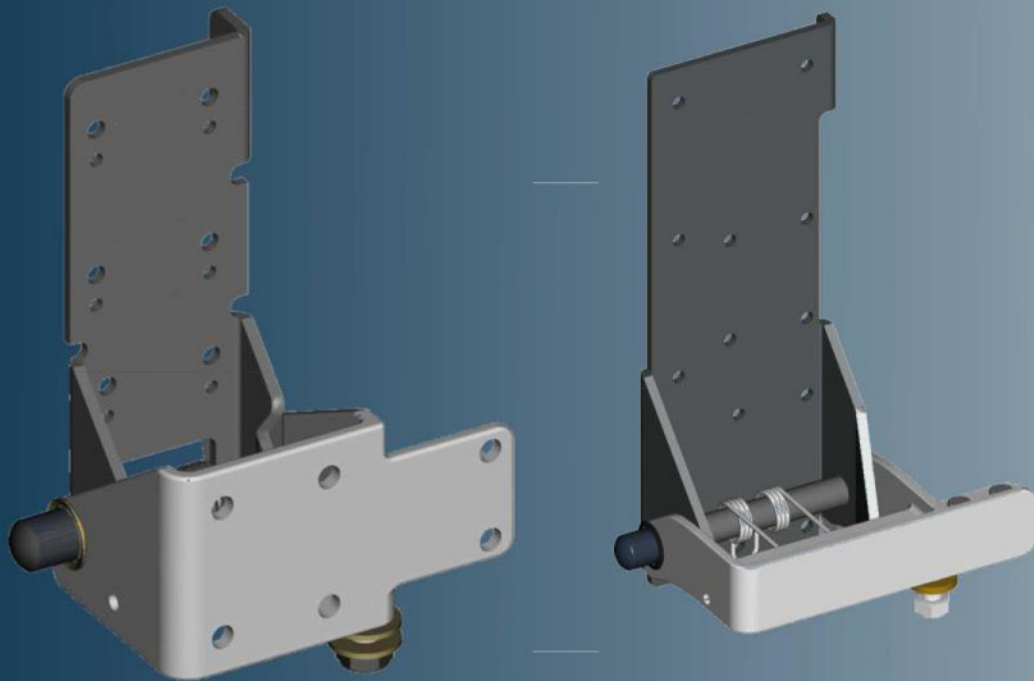




## SBB 2" & SBB 3"

Reference manual



For more information, please visit [www.devancocanada.com](http://www.devancocanada.com)  
or call toll free at 855-931-3334

# SAFETY INSTRUCTIONS



## WARNING

Read this manual carefully before starting any installation, maintenance or uninstallation of safety devices. Garage door components are under high tension and may cause serious injuries.



## WARNING

Only a qualified and experienced overhead door technician should work on a garage door and install or uninstall garage door devices.



## WARNING

If there is a failure of any component on the garage door, the door will not work under normal conditions and must not be operated (manually or motor operated). Refer to the uninstallation instructions at the end of this document.



## WARNING

Do not stand under or near an opened garage door.



## CAUTION

In order to guarantee the good functioning of the SBB, the space between the bottom section of the door and the vertical track has to be in accordance with the figure on page 11 of this document.



## CAUTION

During normal use, adequate cable tension must be kept to avoid undesired device engagement. Door installation using pushing springs is suggested.



## CAUTION

If the door is motor operated without soft start, then the door speed must not exceed 0.3 m/s (12 inches/s).

## NOTICE

Considerable forces are generated when the system is activated to prevent the door from falling. The door section area where the system is fixed must provide proper strength to the screws attachment. The SBB must be attached properly to the door panel in order to support 4 times the door's weight. Refer to page 12 for the screwing pattern of the SBB.

THIS PRODUCT IS LABORATORY TESTED. NOTE THAT PERFORMANCE OF THIS PRODUCT COULD VARY  
DEPENDING ON DOOR MANUFACTURER, INSTALLATION OR CONDITIONS OF USE.

# SAFETY INSTRUCTIONS

## ***NOTICE***

A limit switch has to be installed if the door is motor operated. This limit switch will stop the motor in the case where the safety device is engaged. Contact your operator manufacturer for wiring diagram and type of limit switch regarding operator's needs.

## ***NOTICE***

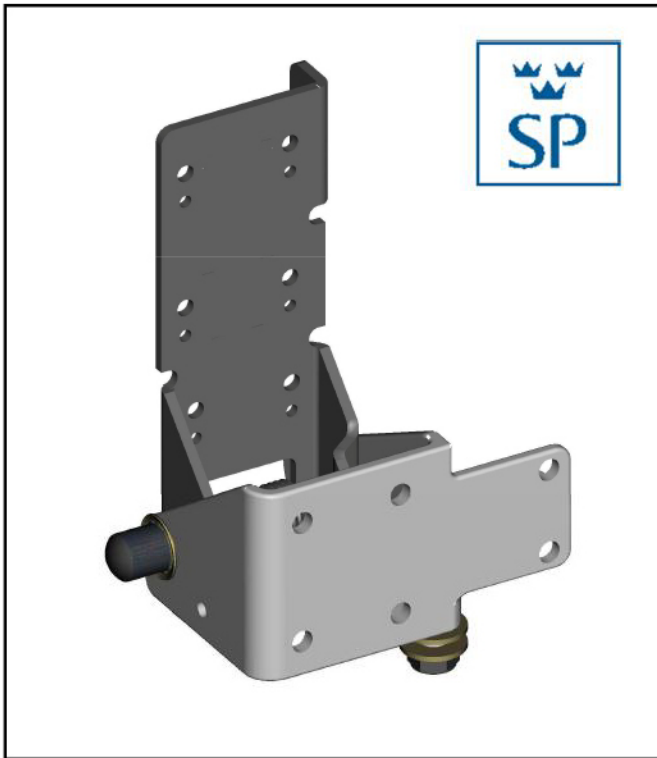
The SBB has to be installed on both lifting cables.

## ***NOTICE***

Nothing must exceed the front of the track at any position.

# APPLICATION RANGE

## SBB 2"



DOOR TYPE: - Hi-lift  
- Vertical lift

DOOR WEIGHT: 30 kg to 1000 kg (66 lb to 2200 lb)

MAXIMUM CABLE DIAMETER: 6 mm (1/4")

ADDITIONAL CABLE LENGTH: 125 mm (5")

MINIMUM CABLE TENSION: 13.6 kg (30 lb)

DOOR INSTALLATION USING PUSHING SPRINGS IS SUGGESTED.

MINIMUM PANEL THICKNESS FOR MODULE ROTATION  
CLEARANCE : 32 mm (1.25")

TRACK:  R8

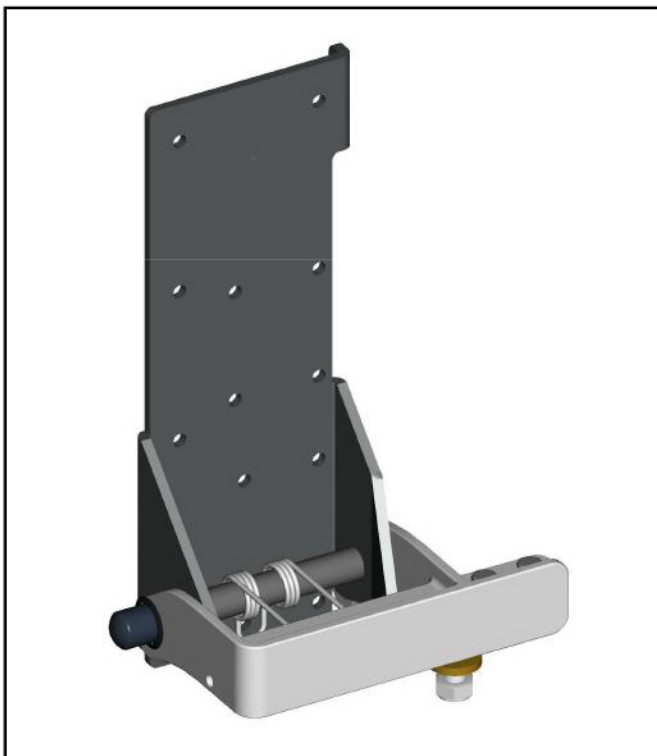
50 mm (2")

THICKNESS: 1.25 mm TO 3 mm

MAXIMUM HARDNESS ALLOWED: 90 ROCKWELL B

~~STAINLESS STEEL~~

## SBB 3"



DOOR TYPE: - Standard lift \*\*\*  
- Hi-lift  
- Vertical lift

DOOR WEIGHT: 30 kg to 1000 kg (66 lb to 2200 lb)

MAXIMUM CABLE DIAMETER: 6 mm (1/4")

ADDITIONAL CABLE LENGTH: 140 mm (5,5")

MINIMUM CABLE TENSION: 6.8 kg (15 lb)

DOOR INSTALLATION USING PUSHING SPRINGS IS SUGGESTED.

MINIMUM PANEL THICKNESS FOR MODULE ROTATION  
CLEARANCE : 20 mm (0.75")

TRACK:  R8

76 MM (3")

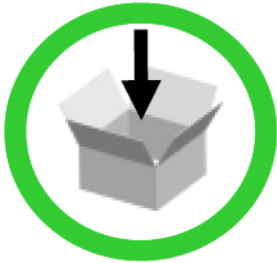
THICKNESS: 1.25 mm TO 3 mm

MAXIMUM HARDNESS ALLOWED: 90 ROCKWELL B

\*\*\* Standard lift to be used with 15" radius minimum and a bottom pannel of 24" maximum lenght

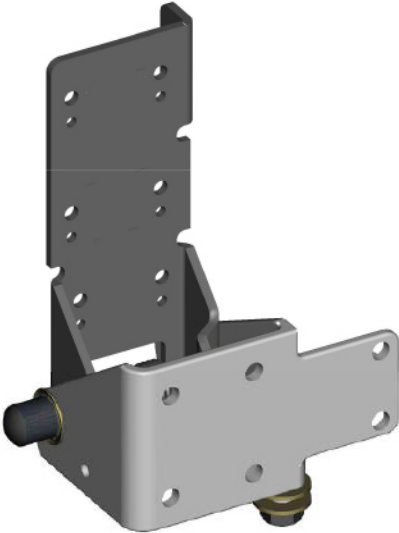
~~STAINLESS STEEL~~

COMPONENTS



1 X 1 L

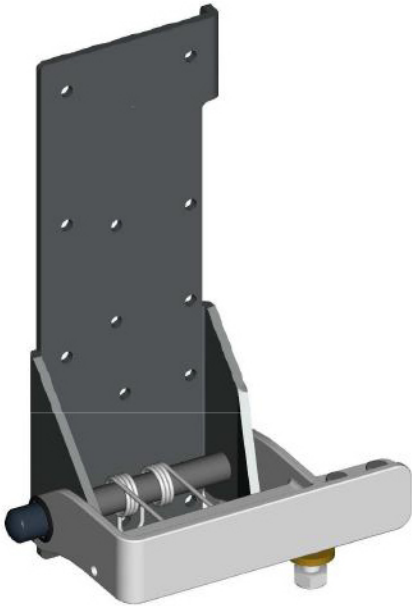
1 X 1 R




OR


1 X 1 L

1 X 1 R






2 X 2



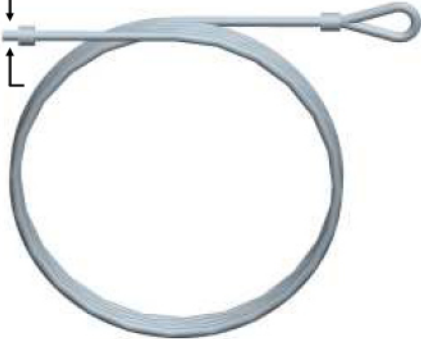
16 X 3

6.3 X 35 mm - 1/4-20 X 1 3/8"




2 X 4

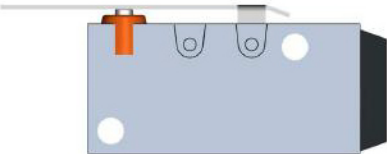
1/4" - 6 mm max cable diameter



2 5

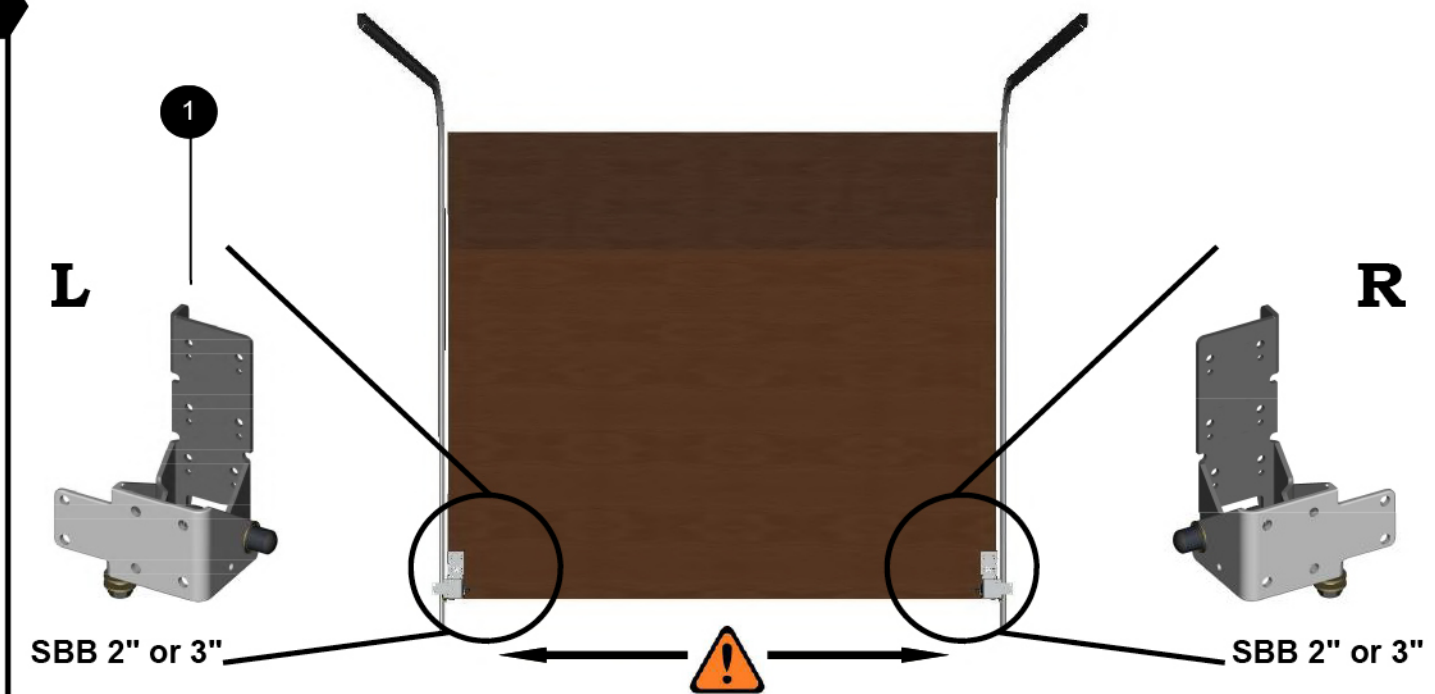


2 6

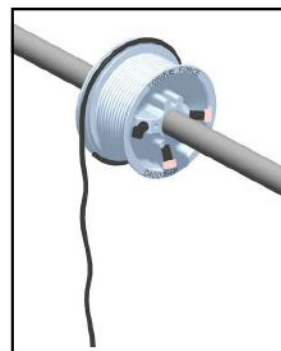
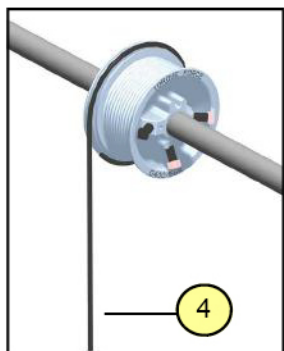


# INSTALLATION GUIDE

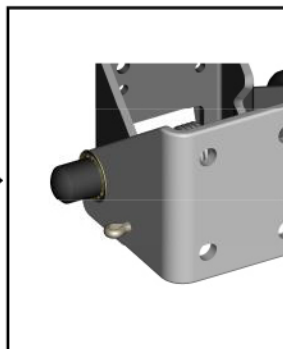
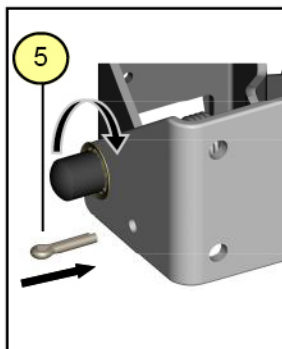
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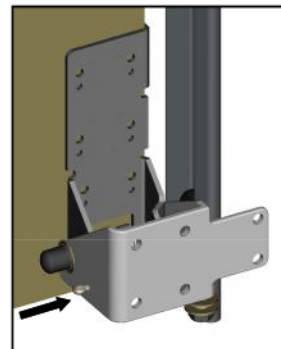
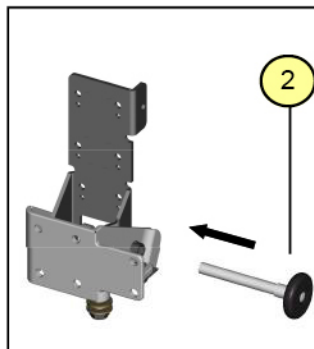
2



3



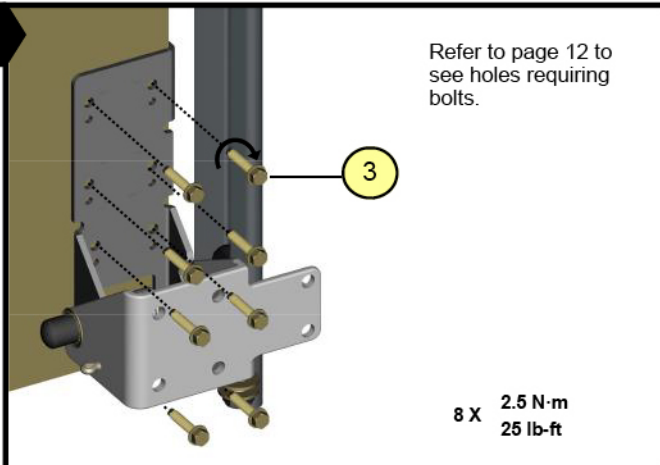
4



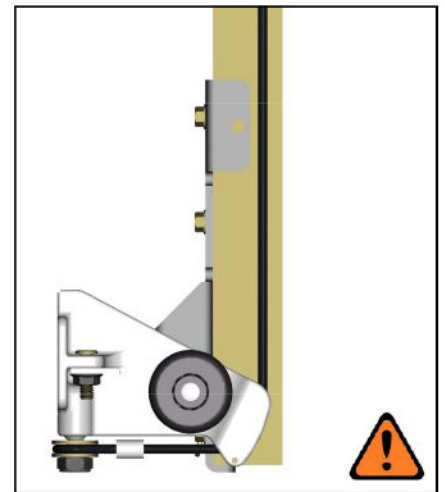
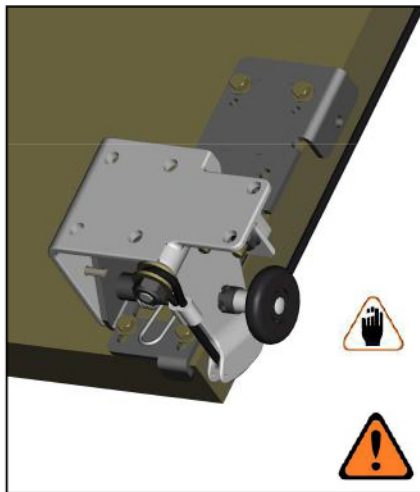
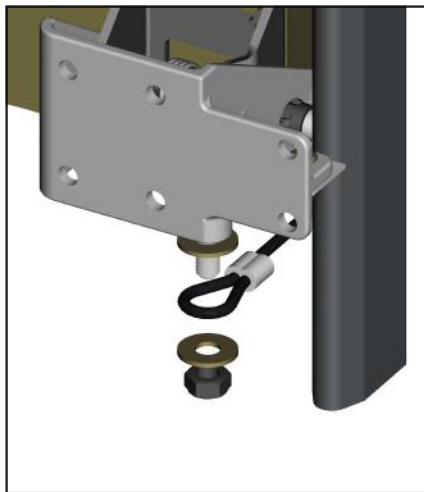


# INSTALLATION GUIDE

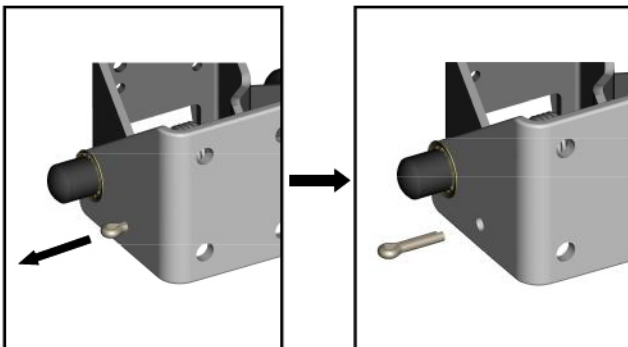
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6



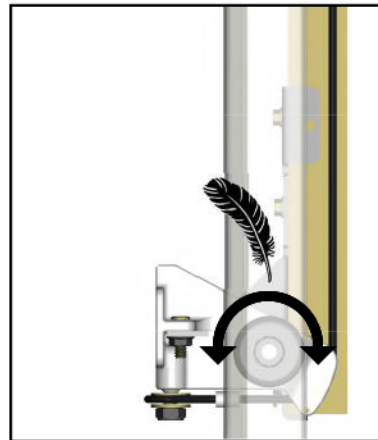
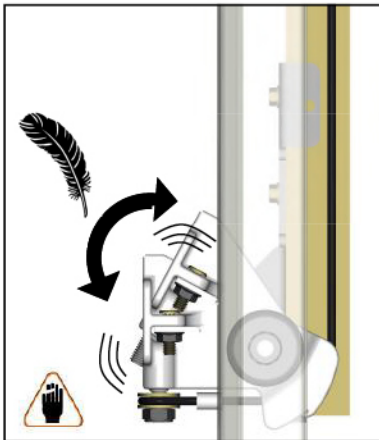
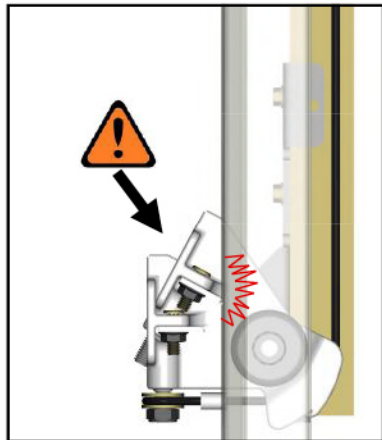
7



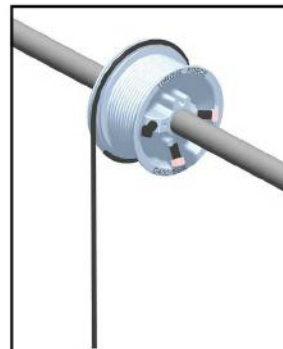
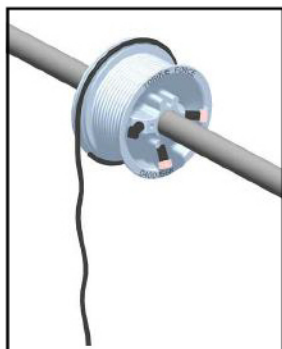
# INSTALLATION GUIDE

## IMPORTANT

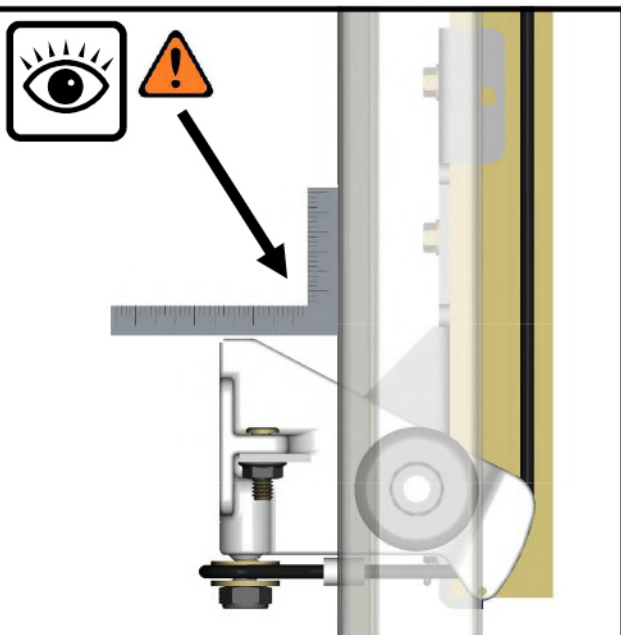
8



9



10



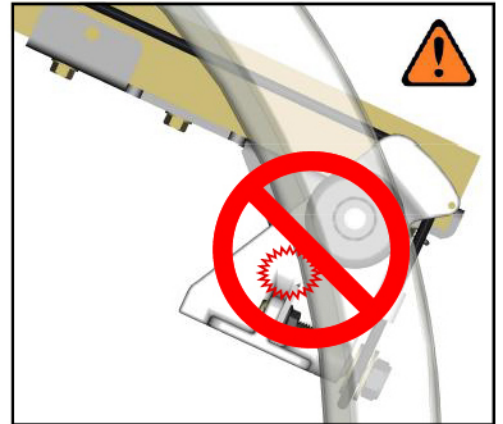
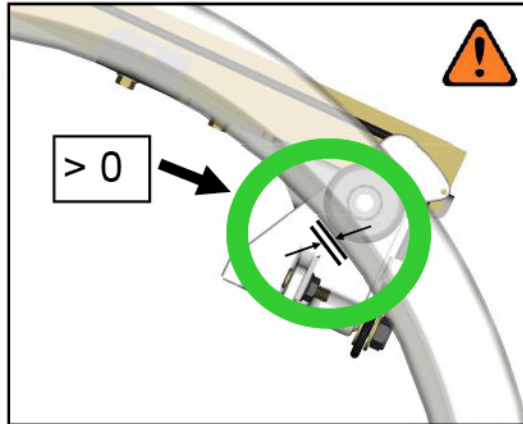


# INSTALLATION GUIDE

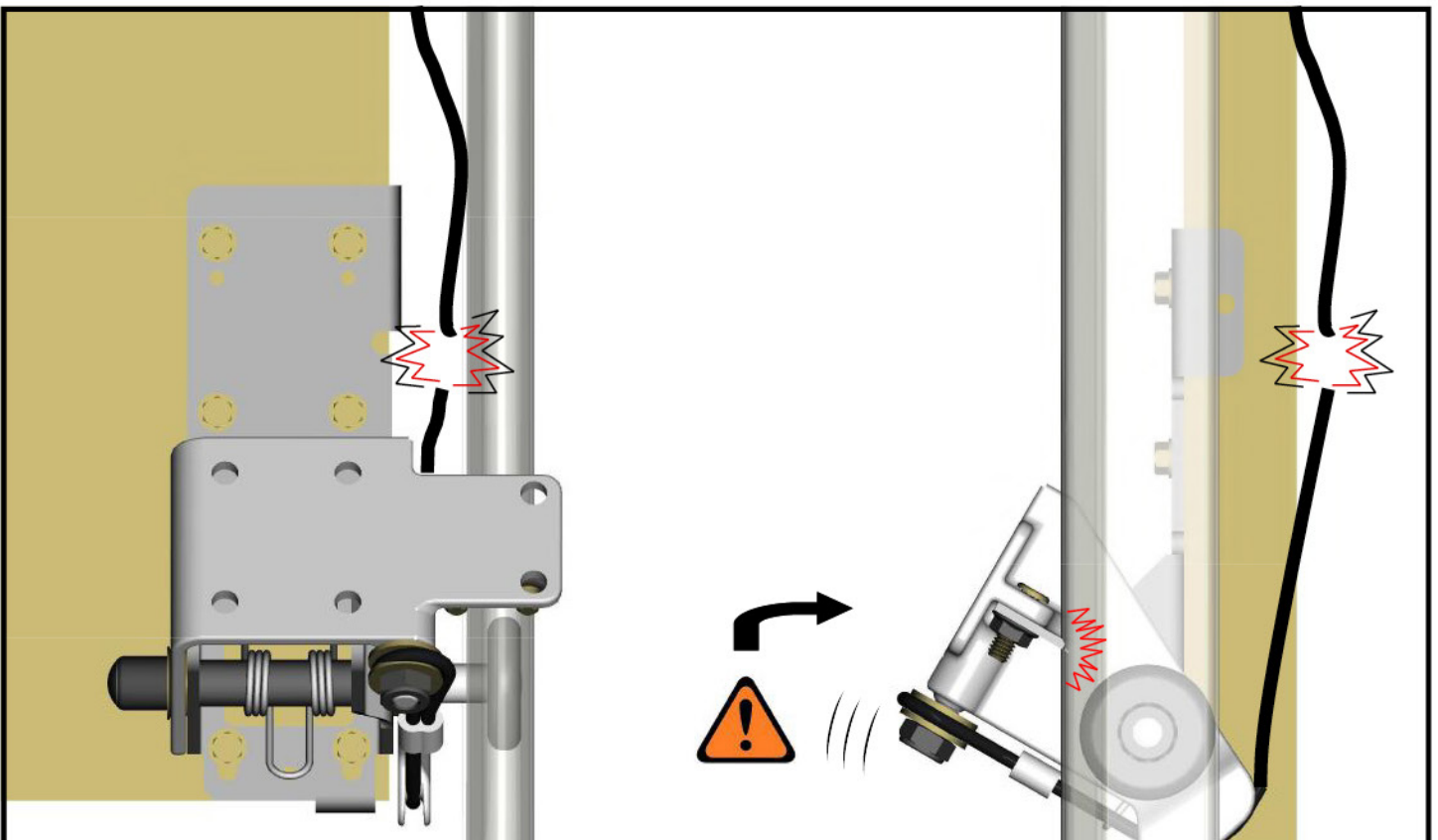
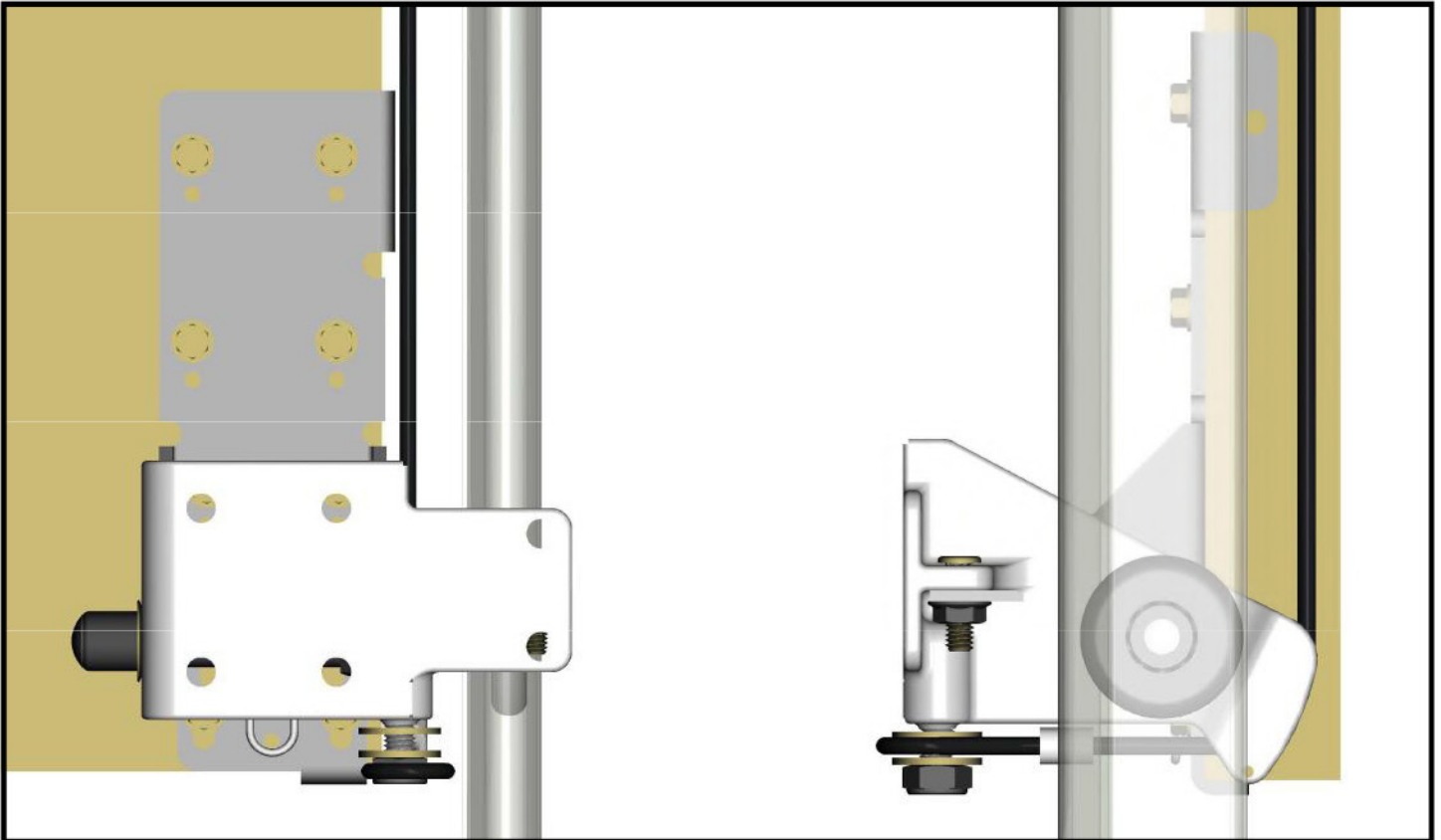
11



12



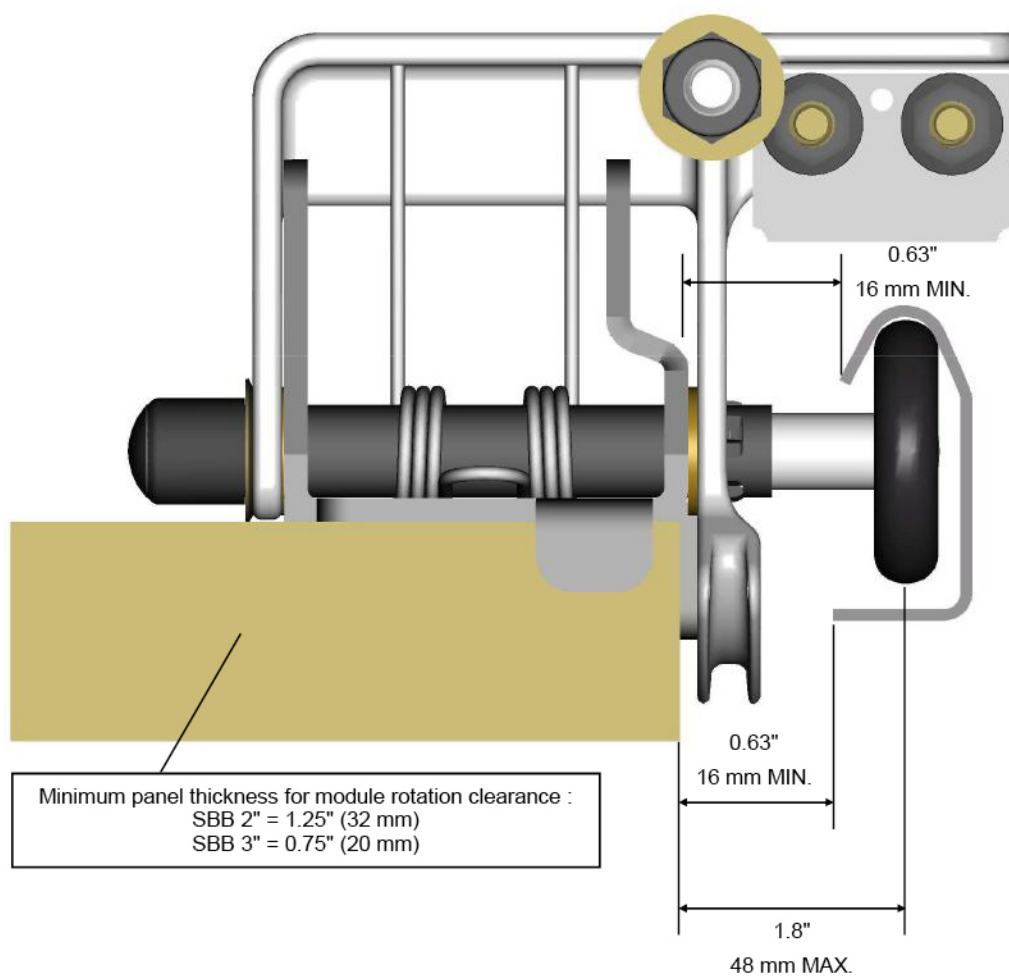
# METHOD OF OPERATION



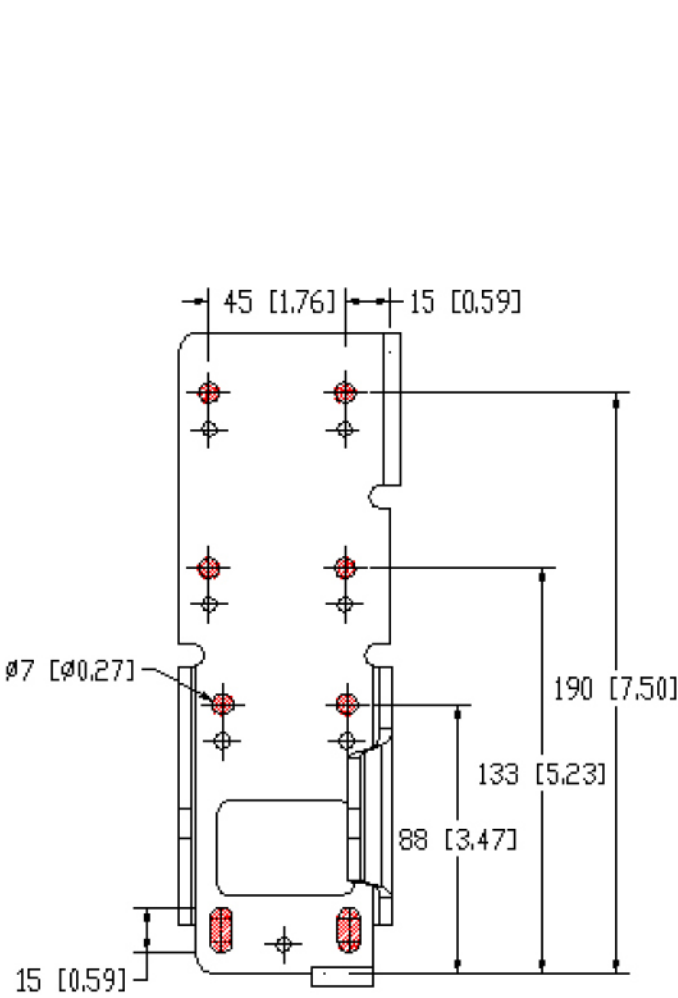
# TRACKS SPECIFICATIONS

## Track Spacing

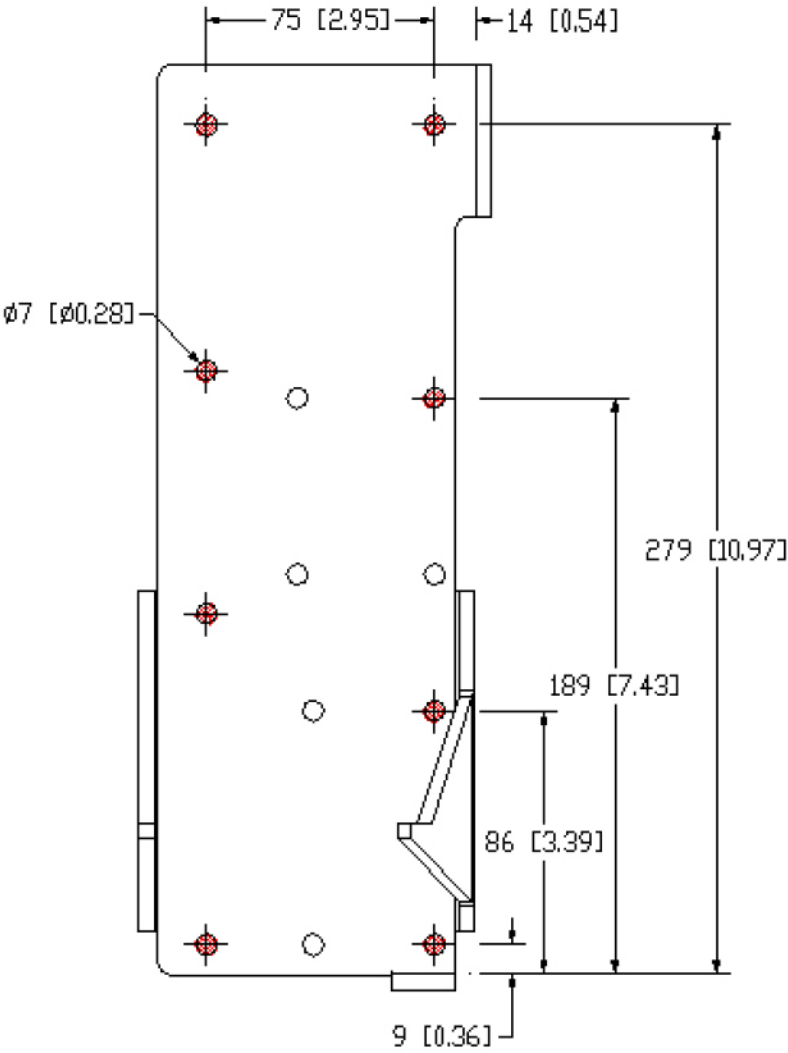
Right hand shown seen from bottom of the door



# BOLTING PATTERN OF SBB



**SBB 2"**



**SBB 3"**

- Bolts are optional
- ⊗ Bolts are critical

Right hand shown, left hand opposite

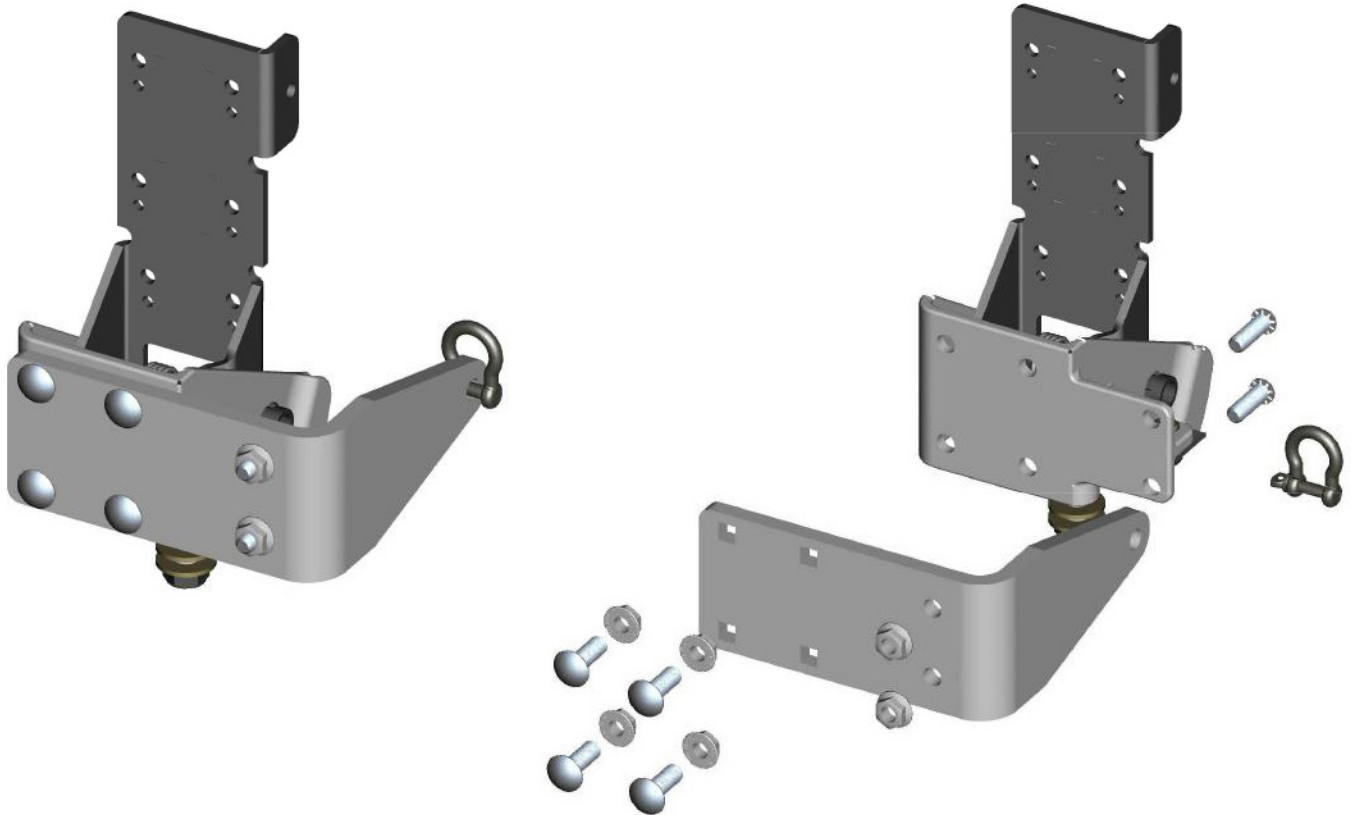
inches

[ mm ]

# OPTIONAL COMPONENTS

**SBB 2" OHU-PAIR-KIT-EURO**

**CANIMEX PART NUMBER: 149705**



## SERVICE PROCEDURE ONCE THE STOP BOTTOM BRACKET HAS BEEN ACTIVATED

### WARNING:

A qualified and experienced door technician only can inspect the door. When the Stop Bottom Bracket activate, the door is not under normal operation condition.

### PROCEDURE FOR THE USER OF THE DOOR:

- 1) Make sure ones will not be able to touch the door or pass under it. If the door is stopped on the vertical track, make sure to secure also the perimeter under the door.
- 2) Make sure no one can operate the door (electrically or hand operated).
- 3) Contact a qualified overhead door technician for the service.

### PROCEDURE FOR THE TECHNICIAN:

- 1) Prevent the door from falling by supporting the door section (we recommend to use a forklift).
- 2) Lift slightly the door in order to free the blade.
- 3) Open up the rotating module and fix it in position (there is a hole on the side of the rotating module specially design for this operation).
- 4) Perform a complete inspection of the door to make sure nothing can harm the door lowering. Pay a special attention to the track, it could need to be repaired to be able to lower the door.
- 5) Secure the door in an equilibrium position (floor).
- 6) Remove all the tension on the counterbalance system.
- 7) Remove the bottom bracket, mark it as a used and non reusable part.
- 8) Replace both cables even if only one side is broken.
- 9) Perform again a complete inspection of the door to make sure no other parts have been broken and need to be replaced. Replace or repair all damaged parts (roller, cable, hinge, drum, etc.) before you reinstall the counterbalancing system.
- 10) Reinstall the counterbalancing system.
- 11) Verify the door operation (electrically or hand operated).

### NOTE:

If you don't have what is needed to repair the door, lower it to the ground, lock it and mark it as non functional. Also make sure the door cannot be operated (electrically or hand operated) by ones.

## MAINTENANCE

- 1) Keep the SBB system clean in order to allow free movement of all rotating parts at all time.
- 2) Replace any SBB system for which corrosion could provide obstruction to the free movement of all rotating parts.
- 3) Once a year, a qualified overhead door technician should check the following things:
  - Check for the free movement of the rotating parts.
  - If any components of the SBB are damaged, replace the SBB system. We strongly recommend replacing both SBB systems.
  - Repair or remove anything that comes in interference with the SBB.
  - If the door is motor operated, check if the limit switch is still having an effect on the door operator.



**NOTE**

Manufacturer cannot be held responsible for device malfunctioning if such device has not been maintained properly.

**NOTE**

Manufacturer cannot be held responsible for device malfunctioning if such device has been abused.

**NOTE**

Manufacturer cannot be held responsible for device malfunctioning if such device has been modified or altered

**For more information, please visit [www.devancocanada.com](http://www.devancocanada.com)  
or call toll free at 855-931-3334**