Installation and Operation

CBS ArcSafe®

RSA-64

(For Westinghouse DFS Breakers)

Distance Is Safety®

CBS ArcSafe®

A Group CBS Company

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1.0 Installation

DANGER!

Ensure that the switchgear to be remotely operated matches the switchgear discussed on the first page. If the switchgear does not match, please contact CBS ArcSafe® for more information regarding remote switching applications for your particular model.

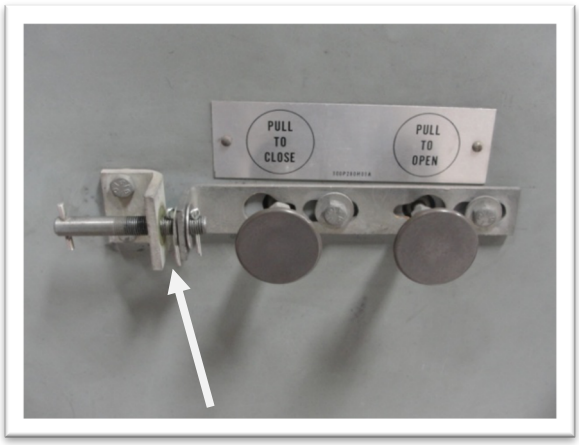
Step 1: Ensure there are no obstructions around the breaker that will interfere with RSA-64 installation.

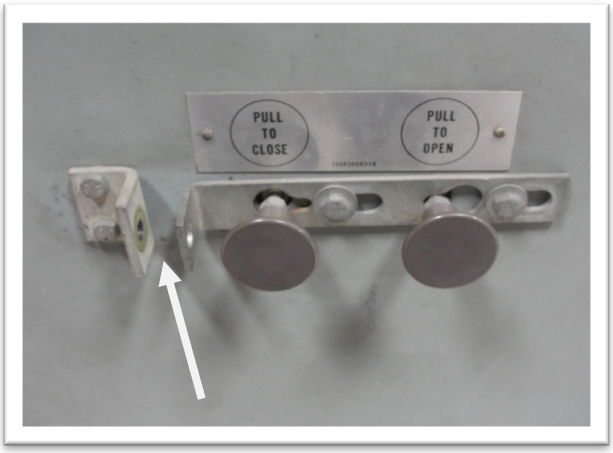
ATTENTION!

The location of certain items such as mimic bus, stickers, and/or placards may interfere with the installation of the RSA. These items may need to be removed or repositioned for proper RSA installation.

Step 2: Locate the two bolts on the lower right-hand face of the breaker. Remove both bolts and install the two stainless steel studs in the existing bolt holes.

Step 3: Remove the bolt assembly from the safety gate as seen in the figures below.



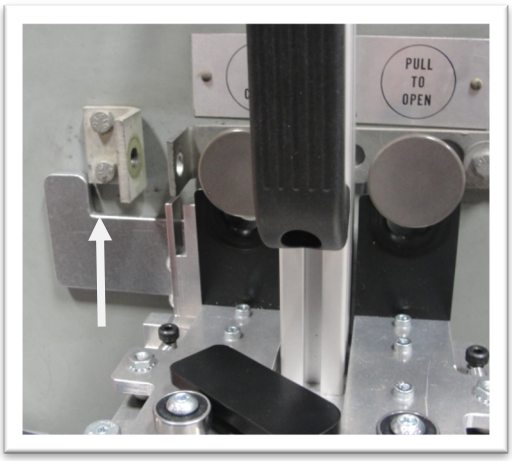


Step 4: Place the RSA-64 charging assembly onto the breaker, ensuring that it is properly installed over the stainless steel studs. Insert the ring-snap pin to secure the RSA-64 charging assembly in place.

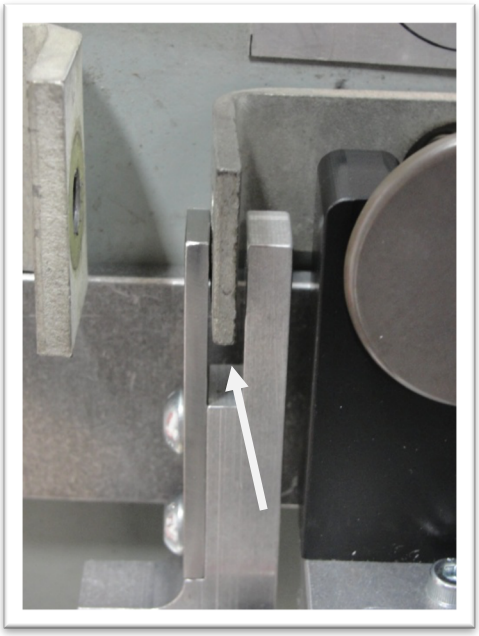
Step 5: Turn the twist-to-lock magnet handle 90° clockwise to secure the charging assembly to the breaker.

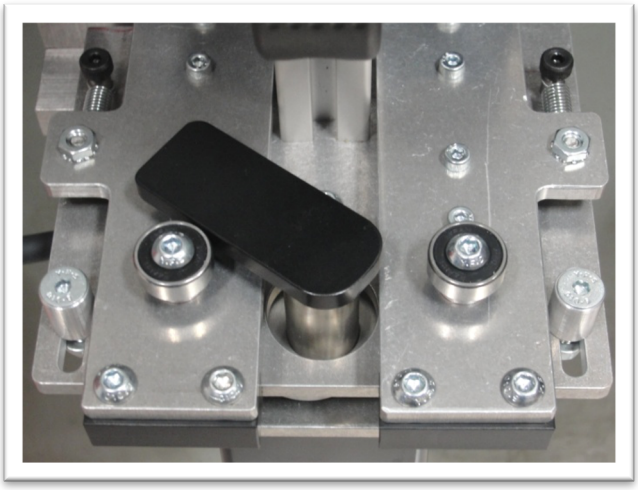
Step 6: Insert the charging arm into the breaker by tilting it backward then pushing it forward into the hole in the charging mechanism. Ensure that the arm is fully engaged in the mechanism before operating the RSA.

Step 7: Place the RSA-64 close-trip onto the breaker and slide upwards until the locator is flush against the base of the gate support, as seen in the figures below.



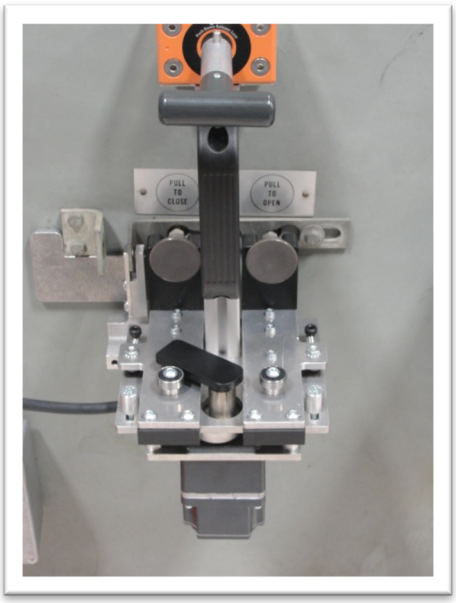
Step 8: Ensure that the RSA-64 sliding gate adapter has fully captured the bent end of the gate as seen in the figure below. Make sure the motor arm is turned to the left to ease the installation of the RSA-64 close-trip assembly.





Step 9: Verify that the close and trip adapters are flush against the knobs, this will guarantee proper installation and operation.

Step 10: To secure the RSA-64 close trip attachment to the breaker, engage the twist-to-lock magnet by turning the handle 90° clockwise.



1.1 RSA-64 Adjustment Locations

ATTENTION!

Due to slight variances in switchgear, adjustments to the RSA may be needed to ensure safe and proper installation.

To adjust the upper and lower travel of the RSA-64, locate the limit switches on the back side of the motor box. The right cam and limit switch is used to regulate the upward travel of the charging arm. The left cam and limit switch is used to regulate the downward travel of the charging arm.

Upper Travel Adjustment:

With the charging arm in the upward position, loosen the set screw on the left cam and turn it until the limit switch engages. Hold the limit switch in this position and retighten the set screw. The upward travel is now set to stop in the proper location.

Lower Travel Adjustment:

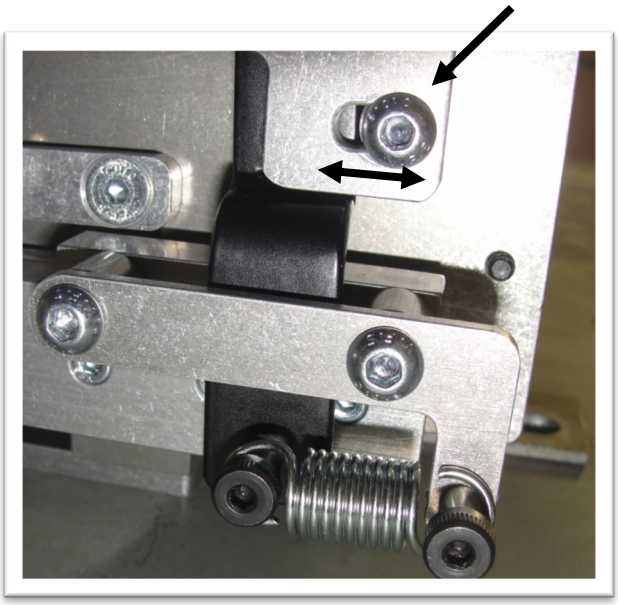
With the charging arm in the downward position, loosen the set screw on the right cam and turn it until the limit switch engages. Hold the limit switch in this position and retighten the set screw. The downward travel is now set to stop in the proper location.

Bottom Locator Adjustment

The lower locator bracket can be adjusted to fit the varying locations of the lower mounting stud. To adjust the location, loosen the two bolts and slide up or down until the proper location is found. Retighten the bolts to secure the locator in the new location.

Gate Adapter Travel Adjustment:

To increase the travel of the gate adapter loosen the bolt seen in the image to the right and slide left or right until the proper position is found. Retighten the bolt before operating the RSA-64.



2.0 Operation

1. Ensure that the unit is properly installed on the circuit breaker.

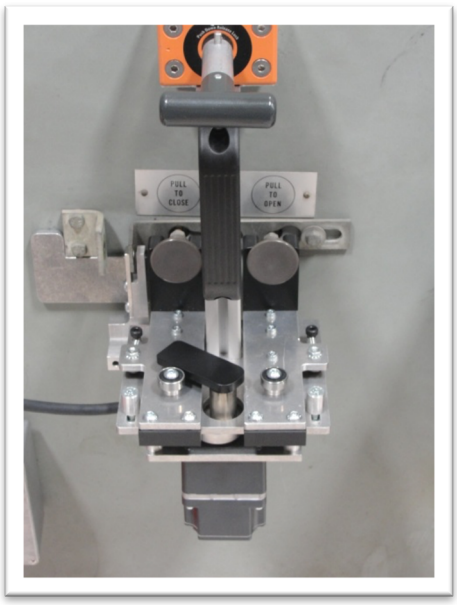
2. Connect Cable A to the close-trip assembly and connect Cable B to the charging assembly.

3. Turn the RSO- II ON.

4. To charge the CLOSE spring, hold the CLOSE B button until the arm engages the lower limit switch. Press and hold the CLOSE A button until the breaker closes and release.

5. To charge the OPEN spring, hold the TRIP B button until the arm engages the upper limit switch. Press and hold the OPEN A button until the breaker opens and release.

3.0 Included Components

RSA-64 Component List		
Item	Description	CBS ArcSafe® Part Image
1	RSA-64 Charging Assembly	
2	RSA-64 Close-Trip Assembly	

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DANGER!

Ensure that personnel using this equipment are adequately trained in the operation of the switchgear they are planning to work with; that they are correctly stationed outside the arc flash boundary; and that they comply with all applicable Federal, State, Local, and In-house safety regulations and procedures. Attention should be given to distance, angle, and personal protective equipment (PPE).