



INSTALLATION INSTRUCTIONS

AND

OPERATION MANUAL

Controlled Hand Chain
(CHC)

IMPORTANT INSTALLATION INSTRUCTIONS

WARNING - To reduce the risk of death or serious injury to persons:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.



WARNING! – Components under **extreme spring tension** can cause death or serious injury.

WARNING

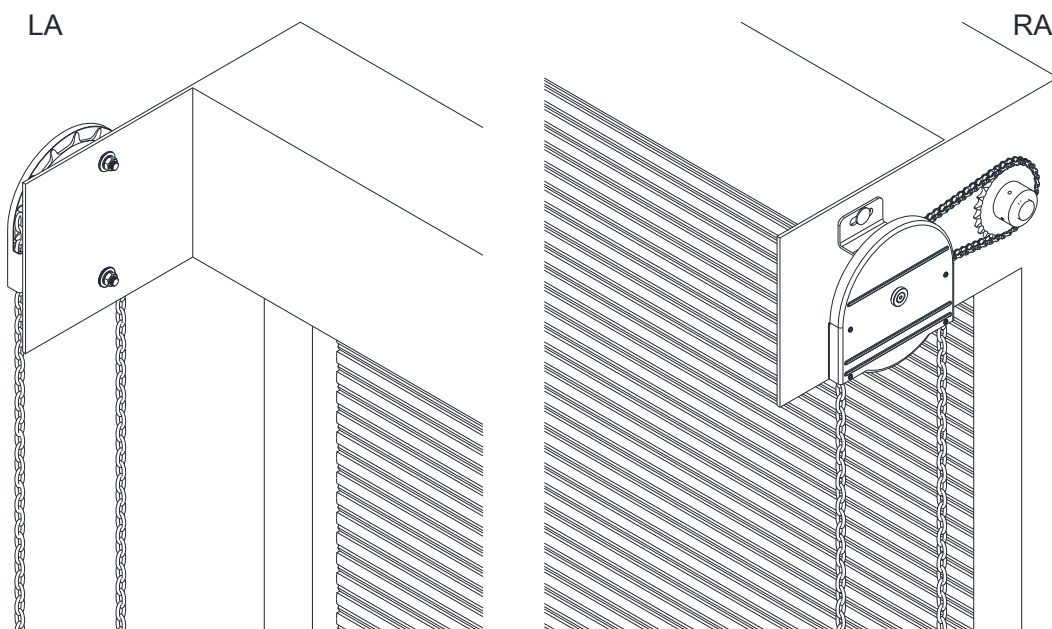
2. Install only on a properly operating and balanced door. A door that is operating improperly could cause severe injury. Have qualified service personnel make repairs before installing the operator.
3. If the door operator is installed less than 8 feet above the floor, any exposed moving parts must be covered or guarded.
4. Door free falls if exceeds max lifting capacity.
5. Chain hoist might jam when pulled “yanked” too hard or when door free falls.

SPECIFICATIONS

Ratio:	1 : 1
Drive Sprocket:	41B14T
Output Torque / 25 ~ Max. 40lbs Pulling Force:	75 ~ Max. 90 in. lbs.*
Clutch Mechanism:	Two way sprag clutch
*Warning: Door free falls if exceeds max lifting capacity.	

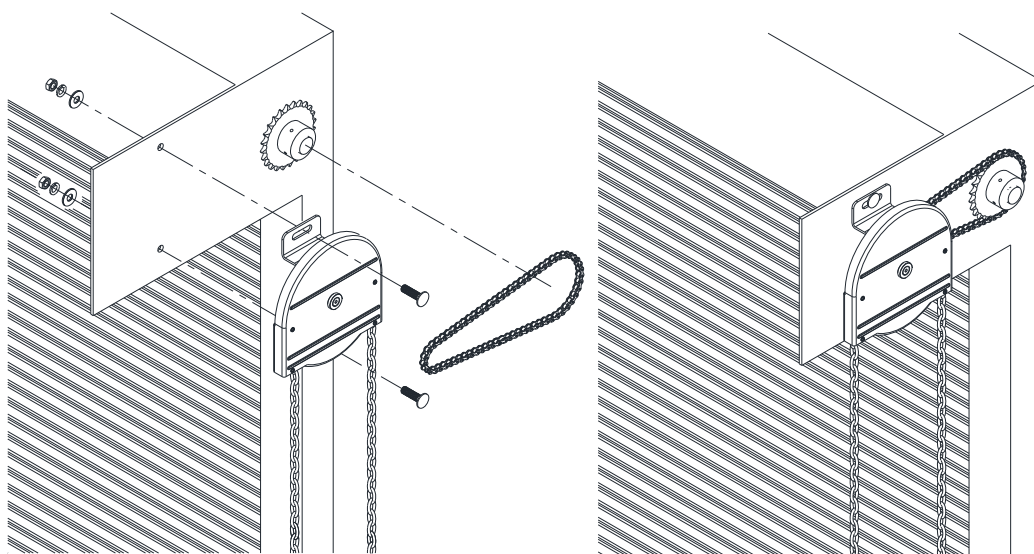
INSTALLATION INSTRUCTIONS

INSTALLATION POSITIONS

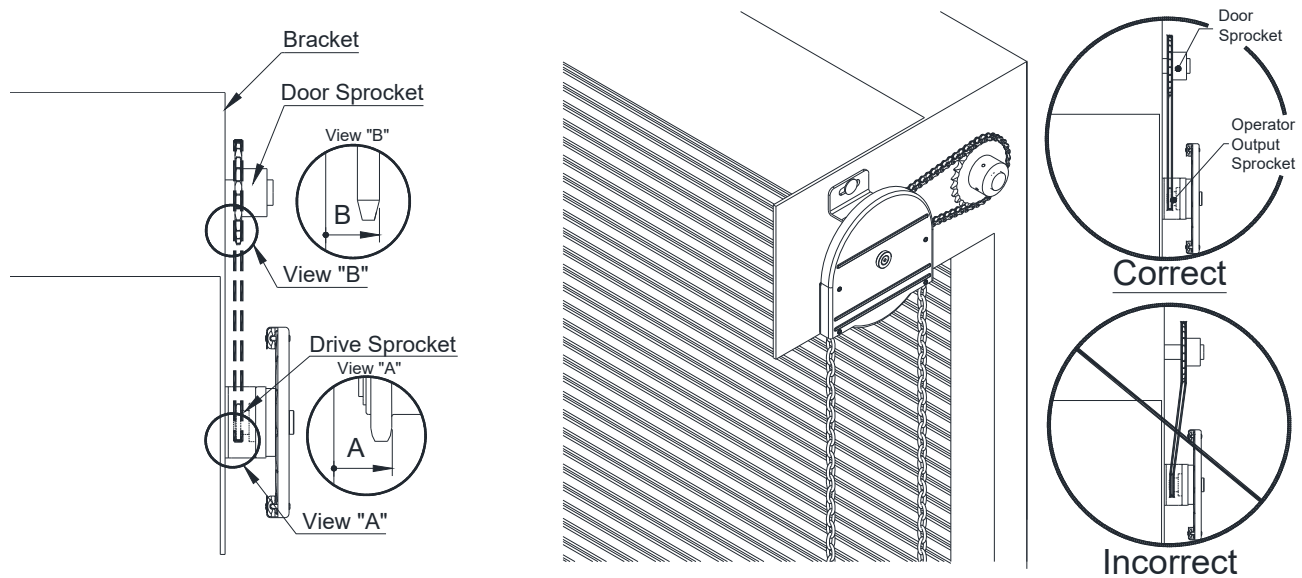


OPERATOR MOUNTING

1. Before the operator is installed, verify that the door is properly operating and balanced.
2. Attach the operator to the mounting plate with the screws as shown.
3. Bolt the operator & mounting plate to the door bracket plate.



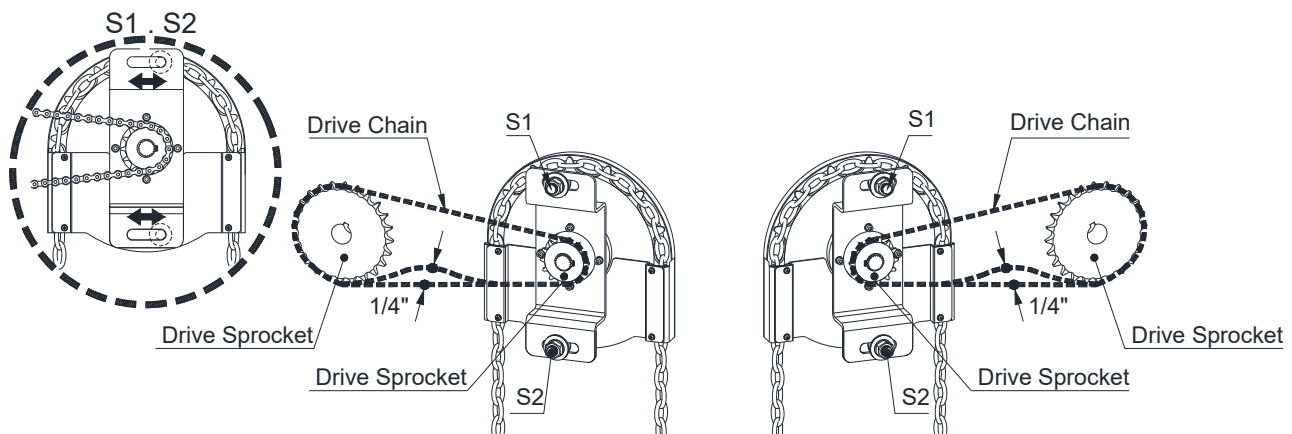
- When the operator assembly is attached to the door bracket, be sure the door driven sprocket is properly aligned with the operator drive sprocket before securing to the shaft. The clearance (B) must be the same as the height (A).
- The bracket must provide adequate support for the operator. Prevent play between the operator and the door shaft. The operator must be securely attached with the drive shaft parallel to the door shaft. It may be necessary to field brace the operator/bracket.



ADJUSTING THE DRIVE CHAIN

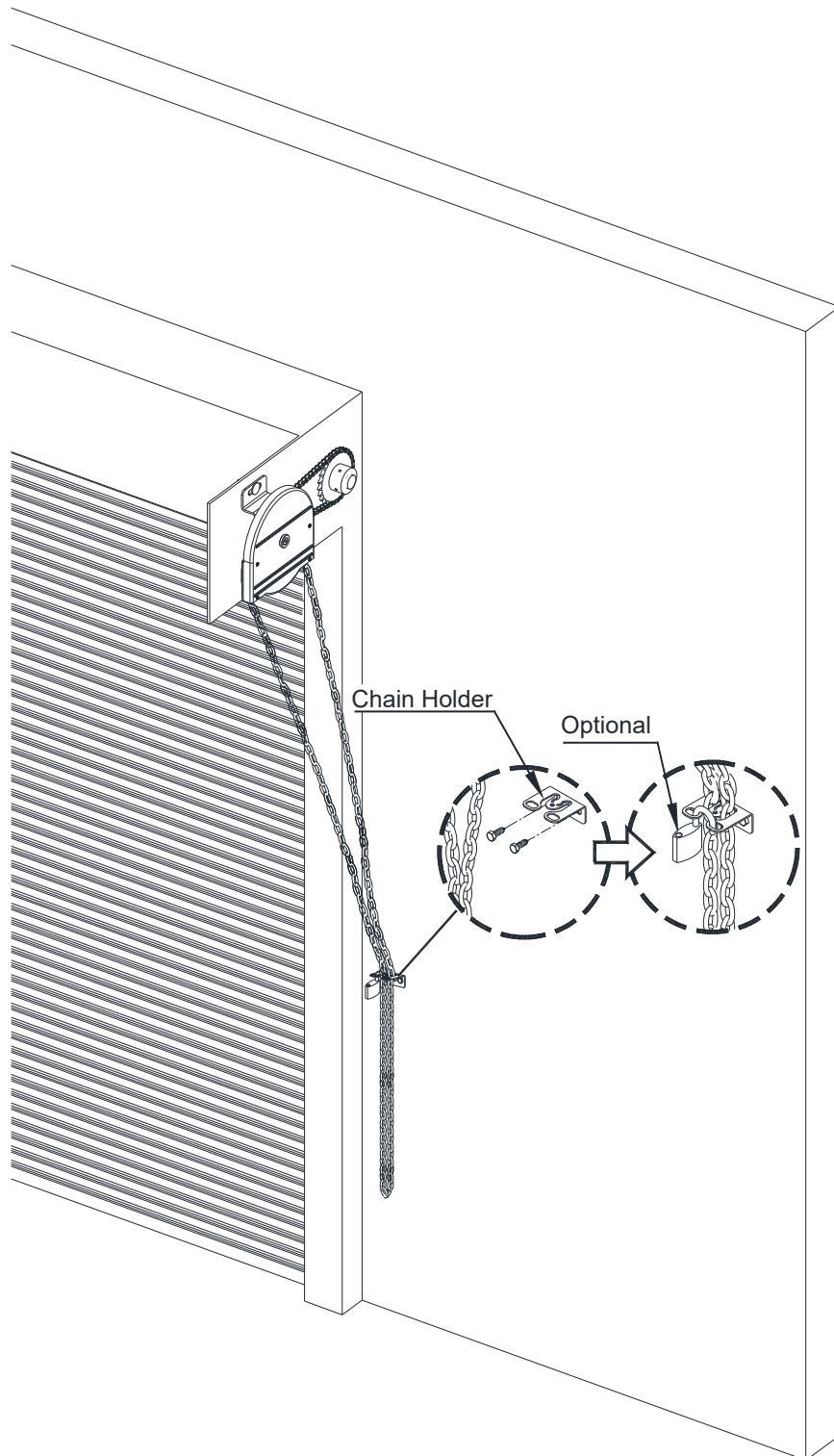
NOTE: Use correct type, size and proper length of roller chain.

- Loosen screws (S1 and S2) and move the mounting plate to adjust the drive chain so that there is about 1/4" of slack when the chain is depressed.
- Once the drive chain has been adjusted, tighten the mounting plate screws.



CHAIN HOLDER

Install at a convenient location.



IMPORTANT SAFETY INSTRUCTIONS

WARNING – To reduce the risk of severe injury or death:

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. Personnel should keep away from a door in motion and keep the moving door in sight until it is completely closed or opened. NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR.
3. KEEP DOORS PROPERLY OPERATING AND BALANCED. See Door Manufacturer's Owner's Manual. An improperly operating or balanced door could cause severe injury or death. Have trained door systems technician make necessary repairs.
4. **SAVE THESE INSTRUCTIONS.**

MAINTENANCE INSTRUCTIONS

The brake is a self-adjusting brake. It is maintenance free. The brake assembly requires no additional adjustment for its lifetime.

Check the following items at the intervals listed:

CHECK LIST	DESCRIPTION	EVERY 3 MONTHS	EVERY 6 MONTHS	EVERY 12 MONTHS
Drive Chain	Check for excessive slack. Check & adjust as required lubricate.	•		
Sprockets	Check set screw tightness.	•		
Fasteners	Check & tighten as required.		•	
Bearings & Shafts	Check for wear & lubricate.	•		
Open/Close Test	Inspect door, pulling hand chain to open/close door for proper braking operation.	•		

- ❖ Inspect and service whenever a malfunction is observed or suspected.
- ❖ All replacement parts must be obtained from the door manufacturer per NFPA-80.



WARNING

Do not place hands or tools in or near the operator when the door is opening or closing or when testing.