

GENERAL NOTE:

- The terms “door” and “doors” apply generally to Rolling Closures. If an instruction refers to a specific type, it will be noted as such.

OPERATION INSTRUCTIONS

WARNING! – A **moving door** can cause death or serious injury.

Keep clear of the doorway while the door is moving.

- Operate the door only when the doorway is in sight and clear of people and obstructions.
- Do NOT allow children to operate the door, or play on, near, or with the door.



WARNING! – **Releasing the door operator brake, or loosening or removing any part of the drive system, can cause the door to move uncontrolled** and cause death or serious injury.

- Adjustments and repairs must be made by a trained door systems technician using proper tools and instructions.
- Do NOT release the brake, or loosen or remove any part of the drive system, unless the barrel is secured to prevent rotation.

NOTE: If the door is provided with a locking device, make sure locks are disengaged before opening the door.

Cylinder or thumb turn and L-handle near the center of the bottom bar: Insert the key and rotate it or rotate the thumb turn until the spring activated L-handle returns to the unlocked position and the locking bar is retracted and clear of the door guides.

NOTE: Depending on the size and type of door, and the method of operation, it is not unusual for the door curtain to feel “heavier” as it travels from nearly closed to nearly open, and to “spring up” near the closed and open positions.

Push-up operated door: Lift the door curtain to open – pull down the door curtain to close. *There may be lifting handles or recessed lifts on the bottom bar to aid in the process. Exercise caution when operating the door and maintain control of it. The bottom bar may want to raise up from the sill when the door is closed and it may be necessary to hold the bottom bar down while engaging the locks (when provided).*

Chain hoist operated door: Pull the hand chain to open – pull the opposite side of the hand chain to close.

Use a hand-over-hand motion when pulling on the hand chain to open. Use one hand to pull the hand chain and the other hand to guide the opposite side of the chain while closing. Exercise caution when pulling on the hand chain and maintain control of it. When the hand chain is not being used, it should be inserted in the chain keeper adjacent to the door guide. The chain keeper may be padlocked.

Crank operated door: Insert the crank handle onto the crank gear box. Turn the crank handle to open – turn the crank handle the opposite direction to close.

Use one hand to hold the crank handle and the other hand to turn it. Exercise caution when turning the crank handle and maintain control of it. When the crank handle is not being used, it should be removed from the crank gear box and stored in a safe and secure location.

Motor operated door: Activate the “OPEN” or “UP” control to open – activate the “CLOSE” or “DOWN” control to close. Use the “STOP” control to stop travel of the door curtain between the open and closed positions.

(Push the button or insert and turn the key to move the door curtain in the direction indicated.)

NOTES:

- 1) *Most push-button control stations and key stations include a “STOP” button. If not, the control station should be wired to require maintained pressure on the “OPEN” and “CLOSE” control for the door curtain to move. Letting go of the button or key will stop the travel of the door curtain between the open and closed positions.*
- 2) *Per the requirements of UL Standard 325, a door (motor) operator must be provided with an actuating device (push-button control station, key station, etc.) requiring constant pressure to close the door. As an alternative, the door may be provided with a monitored sensing device that will reverse the door upon sensing an obstruction during closing. If a fault in the monitored sensing system is detected, the door will either stay in or return to the open position if closing. Depending on the operator design, the operator may revert to a constant pressure close function to allow temporary operability of the door until the fault condition is corrected.*
- 3) *In the event of a loss of power, motor operators that are equipped with an auxiliary chain hoist will allow for emergency manual operation of the door by pulling on the hand chain in one direction to open the door and in the opposite direction to close the door. Motor operators that have an auxiliary release will allow for emergency manual operation of the door by engaging the release and lifting the door curtain to open or pulling it down to close. Exercise caution when operating the door and maintain control of it.*

MAINTENANCE INSTRUCTIONS



WARNING! – Components under **extreme spring tension** can cause death or serious injury. Adjustments and repairs must be made by a trained door systems technician using proper tools and instructions.

Lubrication: Bearings are grease-packed and sealed, requiring no further maintenance. Some operating systems utilize roller chain and sprockets, which periodically may require a light lubricant. Other components should not normally require lubrication.

The use of heavy oil or grease as a lubricant is not recommended because they are likely to attract dirt and debris that can result in a build-up, and potentially worsen the condition lubrication was supposed to resolve.

Inspection: The necessity for inspections varies greatly depending upon factors such as a door’s age, exposure to environmental conditions, and frequency of usage. Newer interior doors operated only occasionally generally justify much less frequent inspection than older doors, doors in higher cycle usage applications, or doors exposed to harsh environments. Periodically, all doors should be inspected for anything that might impair operation or pose a hazard, such as but not limited to:

- Loose bolts and screws
- Misaligned, loose, or worn drive components
- Damaged, worn, or missing parts
- Free movement of the curtain in the guides

- Proper balance
- Proper function of any related equipment (controls, accessories, etc.)
- Sensing devices when provided, should be tested frequently
- Warning labels are attached to the door as follows:
 - L70011 Guide Label is attached to the guide (or to the wall if the guides are concealed) at eye level on the operating side of the door
 - L70010 Spring Label is attached to the tension bracket
 - L70027 Operator Label is attached to the operating bracket (this label is not provided if the door is push-up operated)

Defective conditions: Any defective conditions that are found during inspection must be corrected. If any warning labels are missing or not legible, contact Lawrence Doors for replacement labels.

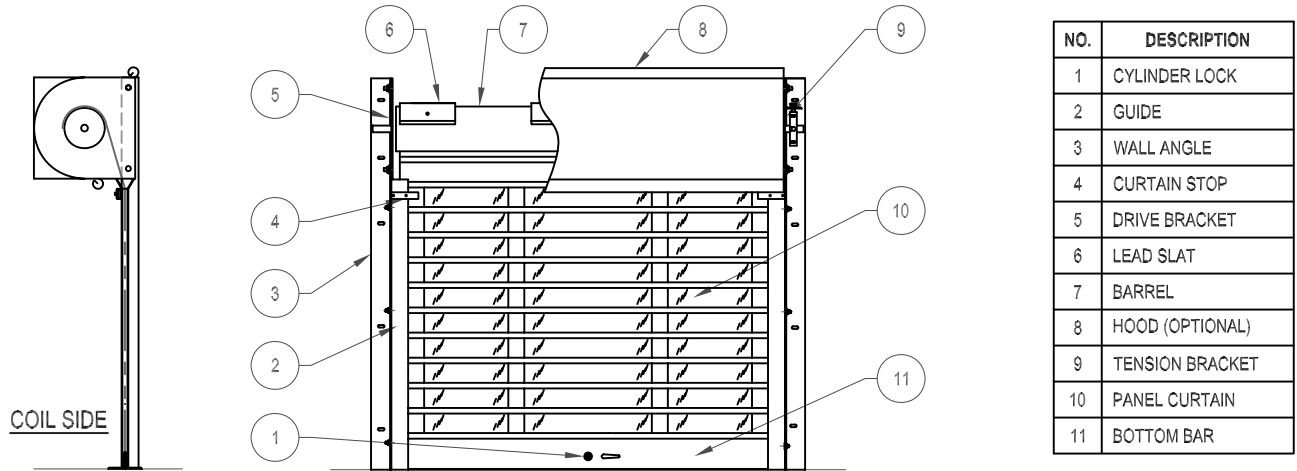
Adjustments and repairs: If adjustments and repairs become necessary, they must be made by a trained door systems technician using proper tools and instructions.

Replacement parts: Replacement parts are available from Lawrence Doors through an authorized dealer and often available from stock.

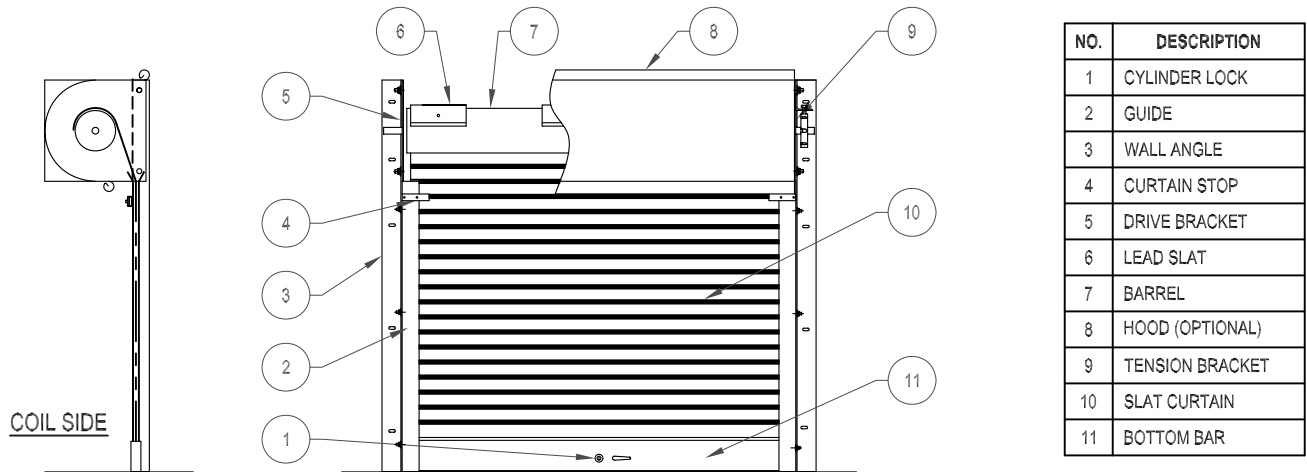
NOTE: If excessive wear or damage to any component(s) is observed, a trained door systems technician must evaluate the condition and perform all necessary adjustments and repairs.

CLOSURES WITH PANEL CURTAINS

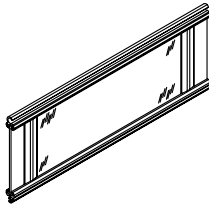
NOTE: Model AC Clear Panel Closure Shown - Other Models Similar



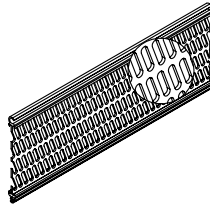
CLOSURES WITH SLAT CURTAIN



PANEL CURTAIN



Model AC
Clear Panel

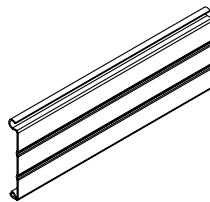


Model AV
Ventilated Panel



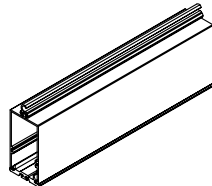
Model AS
Solid Panel

SLAT CURTAIN

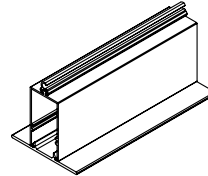


Model AD
S2 Slat

BOTTOM BAR



Tubular Bottom Bar



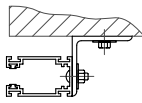
Tubular Bottom Bar
with 4" Bottom Cap

Notes:

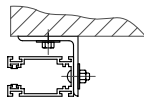
1. Model AD Bottom Bar not shown but similar.

GUIDE

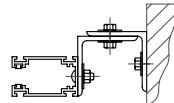
**FOR MODEL:
AC, AV, AS**



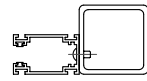
Type 'Z' Guide



Type 'E' Guide

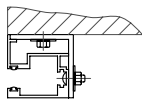


Between Jamb Guide

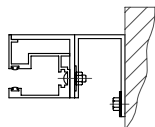


Tube Mount Guide

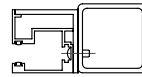
**FOR MODEL:
AD**



Face Mount

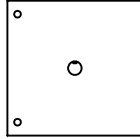


Between Jamb Mount



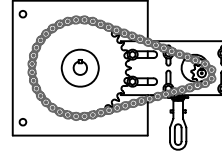
Tube Mount

PUSH-UP BRACKET



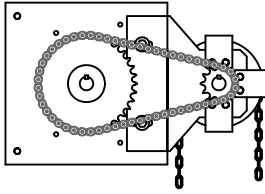
No Mechanism

AWNING CRANK BRACKET

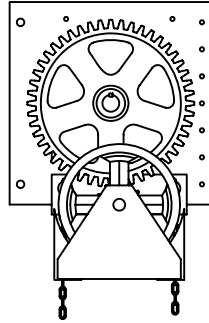


Roller Chain Reduction
(Removable Handle Not Shown)

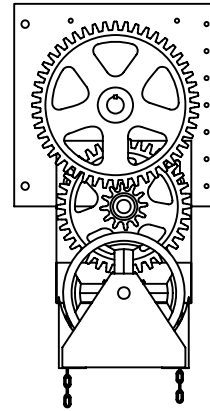
CHAIN HOIST BRACKETS



Roller Chain Reduction

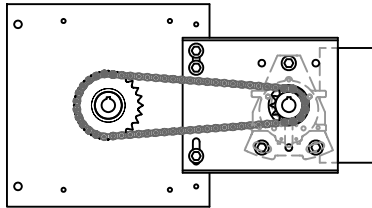


Single Gear Reduction

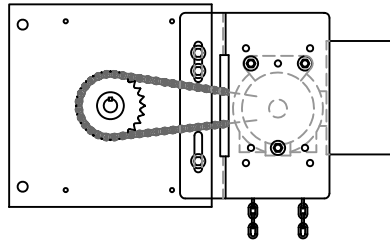


Multiple Gear Reduction

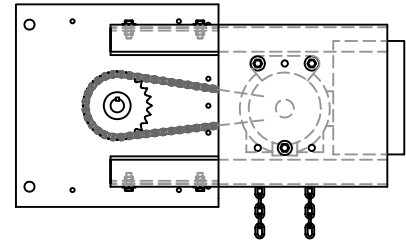
MOTOR BRACKETS



Straight Mounting Plate

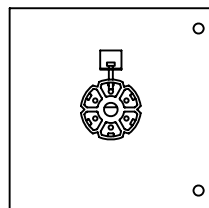


Bent Mounting Plate



Heavy Duty Mounting Plate

TENSION BRACKETS



Standard Tension Bracket