



# Sargent & Greenleaf, Inc.

One Security Drive, Nicholasville, Kentucky 40356

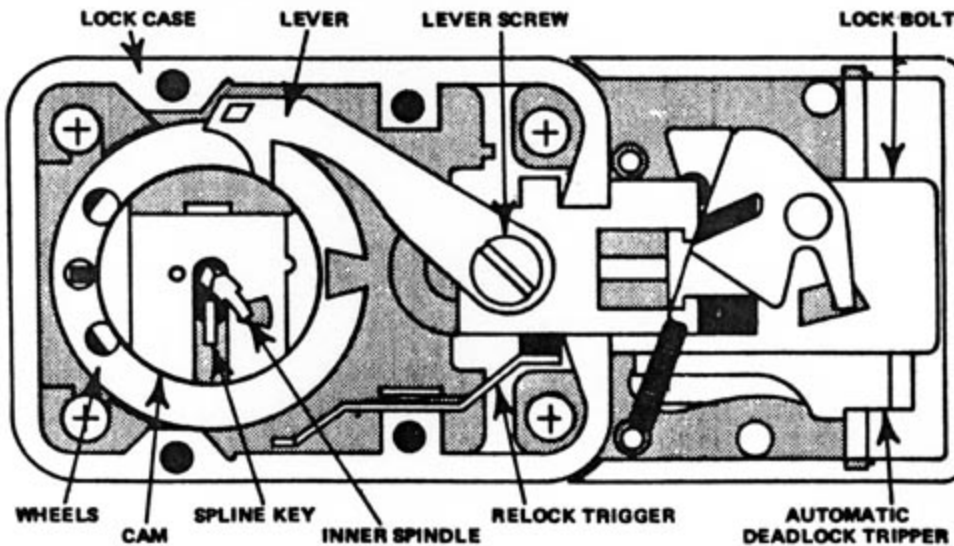
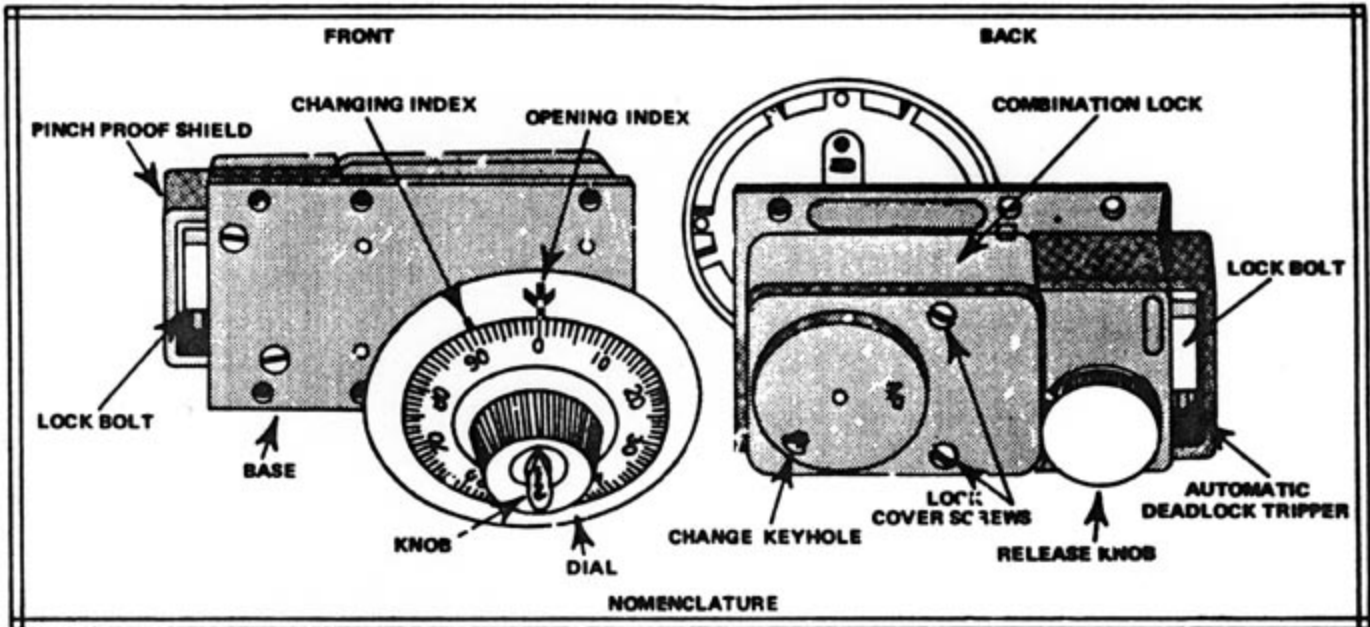
Telephone: (606) 885-9411 Fax: (606) 885-3063

Over A Century Of Security

630-224

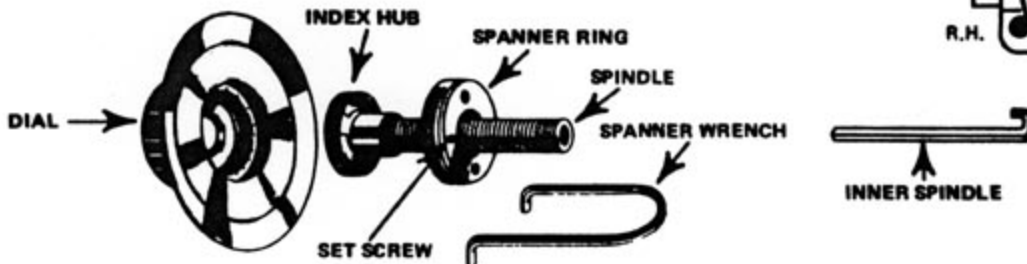
## MODEL 8470 MP ADJUSTA-LOC

This lock is shipped set up for a RH or LH door. When installing it may be set up for either hand.



These locks are equipped with the universal Centi-Spline dial. The removable spindle can be positioned at any one of one hundred settings which correspond to the dial graduations. The one hundred settings are provided to make the Centi-Spline dial adaptable to other makes of locks. For S&G locks, the spline can be set for the two hand positions by aligning the hub index with the proper number in the wheel recess.

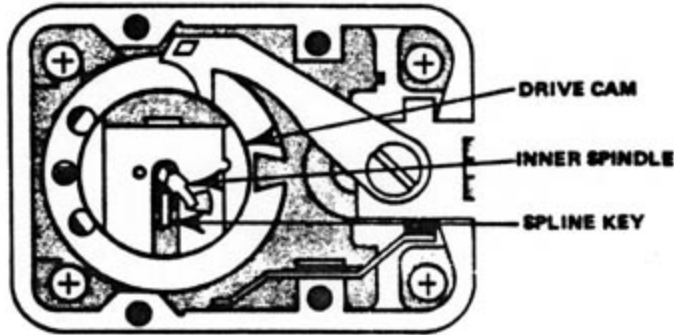
RIGHT HAND	LEFT HAND
39	89



- Using the template enclosed, install the strike.
- Use the center of the strike as a reference to position the lock template on the door.
- Drill the six (6) lock attaching screw holes (No. 25 drill .149 diameter).

### STEP 1. TO DISASSEMBLE LOCK

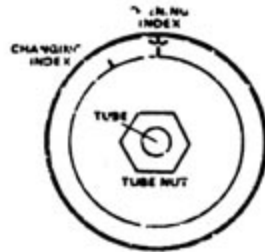
- Make sure Bolt is in the locked or engaged position.
  - For 8470 Adjusta-Loc turn dial left to "0". Turn knob in center dial to "0" and turn dial left 4 times, stop at random.
- Remove Cover.



- For 8470 Adjusta-Loc, pull out inner spindle until free from lock.
- For 8470 Adjusta-Loc supplied with tubes, the following procedure applies.
  - Remove spline key with care. **CAUTION:** Pull spline key straight out of lock by gripping firmly with pliers. **DO NOT TWIST, BEND, or DEFORM.** Note position of spline key in the spindle.

### REMOVE DIAL

- Unscrew DIAL by holding DRIVE CAM and turning DIAL LEFT (counter-clockwise).
- Remove TUBE NUT from tube, then pull off DIAL RING.



### STEP 2. TO INSTALL LOCK

For 8470 Adjusta-Loc supplied with tubes, the following procedure applies.

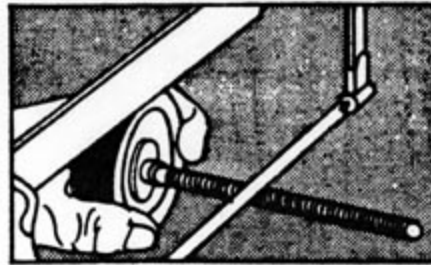
- Insert TUBE and hold lock against mounting plate. Place dial ring on tube and tighten tube nut.
- Measure tube excess.
- Remove lock and cut off excess. (Leave 1/16" above nut).
- File end of tube smooth.
- Place lock back on door, install ring and tighten tube nut.
  - Screw dial ring to door and align with hole through door.
- Securely fasten lock to mounting plate by installing the 4 lock attaching screws and tightening.



### STEP 2. CONTINUED

#### 7. FOR MANIPULATION PROOF LOCKS

- Insert dial into dial ring and hold snug.
- Measure excess from the wheel post and cut off. **CAUTION:** Leave 1/16" above the wheel post.



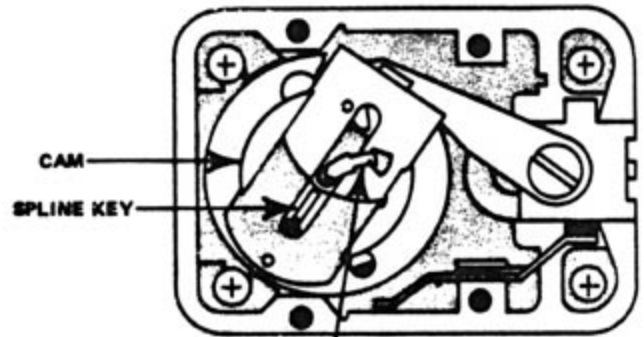
#### 8. INSERT SPLINE KEY.

**NOTE:** Before screwing dial into the drive cam for the final time, lubricate the dial, dial ring and drive cam bearing surfaces. See "Helpful Hints" for proper lubricant.

**CAUTION:** Screw drive cam on spindle until snug, then back off until key way lines up. Drive the spline key in carefully. If the spline key becomes loose the lock will not function properly. Make certain it is tight.

#### 9. INNER SPINDLE

- Cut off amount equal to that removed from spindle. Spindle excess can be inserted over inner spindle for ease of measurement.
- Turn dial to "0" and point knob to "0".
- Insert inner spindle. Make sure the tip of the inner spindle seats properly into hole in cam.



**INNER SPINDLE  
TIP OF INNER SPINDLE MUST SEAT IN CAM**

### HELPFUL HINTS

- Always Reset combination after installing the lock or after servicing.
- Run combination at least 3 times before closing the door.
 

Example: Set on 50-25-50  
run 50-25-50, open lock  
run 50½-25½-50½, open lock  
run 49½-24½-49½, open lock

Generally locks will operate at least ½ number either side the number set. However failure to do so does not mean the lock is defective.
- Make sure all screws are tight.
- Only MP Manipulation Proof locks have the inner spindle shown in illustration.
- To remove the spline key: Use a pair of regular pliers or side cutters, pull spline key slowly and straight. If you should break a spline key, make a small punch, .040 wide by .062 and carefully drive the broken portion on through, until you can unscrew the cam. Replace with a new key.
- S&G recommends G-322L Grease manufactured by General Electric.



# INSTALLATION DETAIL TEMPLATE

