**REMOVABLE CORE 60-, 63-, 64- PREFIXES INSTRUCTIONS FOR INSTALLING SARGENT® 485, 486, 487 SINGLE CYLINDER DEADBOLT 2-3/8" & 2-3/4" BACKSETS**

*Note: 1 Bitted cylinders utilize a control key cut 113511*

**OUTSIDE OF DOOR**

- **Bore Two Holes**
  - Drill 2-1/8" hole through both sides of the door as shown and 1" dia. hole into front face of the door, the certain holes are perpendicular.
  - Bore 2 - 1/8" hole first

- **Mark Holes**
  - Using enclosed template, mark door as illustrated at desired lock height and correct backset.
  - Mark center for 2 - 1/4" hole

- **Install Outside Trim**
  - Choose correct cam bar length by first measuring door thickness. All cam bars come standard to fit a 1-3/4" thick door. If door thickness is 1-3/8" door then shorten cam bar by gripping pliers on both sides of score mark and twist to break off.
  - Install cam bar into outside cylinder housing.

- **Install Inside Trim**
  - Insert mounting plate with support plate on top and position in 2-1/8" dia. Hole. Secure both mounting plates and outside cylinder housing with two (3/4" x 2"") mounting screws and tighten evenly. Place turn piece onto cam bar choosing the best orientation. Align screw holes and fasten with two (3/8-16 x 3/4") turn piece screws.

**INSIDE OF DOOR**

- **Install Deadbolt**
  - Insert deadbolt in hole, keeping it parallel to face of the door and scribe line around face plate. Remove deadbolt and chisel out scribed area to depth of 1/8" or until face is flush with door edge. Insert deadbolt with bolt extended and fasten with two 5/16" long finish screws.

- **Install Strike**
  - Fasten strike and strike box with two (3/8" x 3/4") combination screws.
**REMOVABLE CORE 60-, 63-, 64- PREFIXES INSTRUCTIONS FOR INSTALLING SARGENT® 484 DOUBLE DEADBOLT 2-3/8" & 2-3/4" BACKSETS**

1. **MARK HOLES**
   - Using enclosed template, mark door as illustrated at desired lock height and correct backset.

2. **BORE TWO HOLES**
   - Drill 2-1/8" hole through both sides of the door as shown and 1" dia. hole into front face of the door. Be certain holes are perpendicular.

3. **INSTALL DEADBOLT**
   - Insert deadbolt in hole, keeping it parallel to face of the door and scribe line around face plate. Remove deadbolt and chisel out scribed area to depth of 1/8" or until face is flush with door edge. Insert deadbolt with bolt extended and fasten with two 5/8" long finished screws.

4. **INSTALL OUTSIDE TRIM**
   - A) Installing cylinder—First be sure two prongs within cylinder housing are in position as shown, then install cylinder core using control key marked "C". Rotate key 15° to the right and pull on key.
   - B) Install outside cylinder housing—First assemble outside cylinder housing into outside cylinder housing collar, then insert cam bar into cam slot and position cylinder housing assembly onto door so that keyway is vertical.

5. **ATTACH INSIDE TRIM**
   - Insert two mounting screws (# 1/4"-20 x 2") into inside cylinder housing and tighten evenly. Tighten screws using # 2 phillips screwdriver.

6. **INSTALL INSIDE TRIM**
   - First assemble inside cylinder housing and inside cylinder housing collar, then orienting cam bars so that flat sides meet within cam slot. (See figure A)

7. **INSTALL CYLINDER**
   - Assemble cylinder into face plate so that cylinder face is flush with plate. Insert cylinder and face plate into inside cylinder housing and secure as per step 6 above.
   - Note: Check for proper operation before closing door.

8. **INSTALL STRIKE**
   - Fasten strike and shoe box with two (#8-32 x 3/4") combination screws.

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