Tools
#2 Phillips screwdriver
Push pin (provided)
7/16" drill bit
1/8" drill bit
2-1/8" bore
1" bore

Door Preparation
- Hollow metal doors should be properly reinforced for lock support. If support is not provided, contact door manufacturer.
- For all wood door preparations use template below

![Diagram of lock components]

1. Place paper template (supplied) on door and mark for holes. Drill the 2-1/8" crossbore hole and then the 1" hole. Put in notches on 2-1/8" crossbore hole. Drill two 7/16" holes. Refer to figure 2.
2. Mortise latch unit front 5/32" into door edge to dimensions shown in Figure 2. Insert latch unit (1) into 1" hole making certain latch bolt bevel faces direction of closing door.
3. Do not secure latch unit (1) until lock body is engaged with latch unit (refer to Figure 8).
1. When strike box (18) is not used, recess in door jamb must be deep enough to allow latch bolt to extend to its full free length.

2A Through-bolt and door thickness adjustment for locations other than std 12 & 6

1. The lockset unit is preset for a 1-3/4" door thickness.
2. To adjust for other door thickness, rotate outside nut (7) in or out to line up "marks" on tabs of the outside plate (8) with the slots in the lock body (14).
3. Line up "long mark" with lock body edge for 1-3/4" door thickness. Line up "short mark" with lock body edge for 2" door thickness.
**Lever and Cylinder Removal**

**Cylinder Removal**

1. Remove outside lever (9) as described in Figure 5.
2. Slightly push cylinder from lever and using standard pliers, pull out retainer (19).
3. Remove key (10) and cylinder (20) from lever (9).
4. When replacing cylinder (20) secure by pressing retainer (19) till flush with shelf.

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**Standard Cylinder Installation**

**IMPORTANT:**
Before cylinder installation 19-54, 19-5H, and 19-5B must be timed by rotating cam (within the lever support tube) completely counterclockwise.

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**Interchangeable Core Installation**

- **Install Cylinder**
  Insert cylinder with control key into lever; rotate 15° and remove key.
Remove inside lever with standard push pin

- Insert long push pin into inside lockbody tube and push to release spring loaded lever catch plug assembly for the outside lever
- Remove the outside lever with lever catch plug assembly attached
Drill 1" Hole Center In Door Thickness

Fold On High Edge Of Door

2-3/4" Backset (70mm) Nominal

3-3/4" Backset (95mm) Nominal

5" Backset (127mm) Nominal

5/32" Notches