

# LOCKMASTERS<sup>®</sup>

INCORPORATED

## Lockmasters S&G 2890 Lock Series Pilot Hole Installation Fixture

Part Number: LKM2890IF

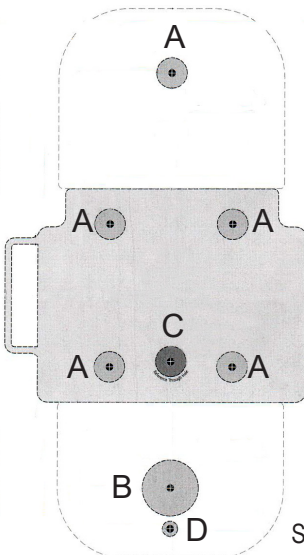
### Main Components:

- Installation Fixture with (2) Plastic Spacing Screws
- 3/16" Extended Drill Bit
- (2) Self Tapping Phillips Head Screws

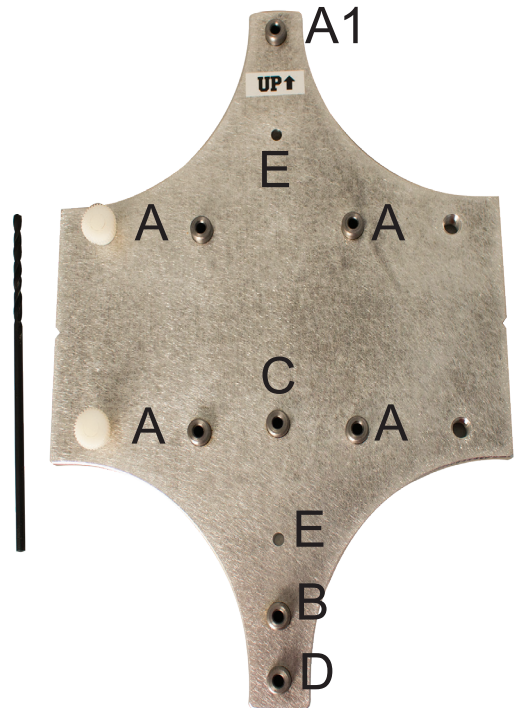
### Tools Needed:

- A – Pencil
- B – Tape Measure
- C – Level
- D – Drill

- A1. (1) Combination Lock Spindle Hole
- A. (4) Lock Mounting Holes
- B. (1) Rim Housing Hole
- C. (1) 2890 Spindle Hole
- D. (1) Optional Wire Entry Hole
- E. (2) Fixture Mounting Holes



S&G 2890 Template Sample



## **IMPORTANT**

Before proceeding with the lock installation, thoroughly read and understand the LKM2890IF installation instructions, the lock's instruction manual and the templates provided with the lock.

Make sure all weather stripping, sound seals and gaskets are in place on the door or frame before beginning the installation.

Follow ALL safety instructions provided with any power tools and wear the appropriate protective clothing, hearing and eye protection. The LKMSG2890IF is a multifunctional, economical installation fixture designed to prepare 3/16" pilot holes in doors for the SG2890 Series of locks. Its design allows lock preparation on hollow metal or solid wood doors; Left or right hand, in swing and outswing.

### **Step 1 – Mark Strike Center Location**

To meet ADA requirements, the strike needs to be mounted 41-1/2" from the center of the strike to the finished floor. Using a pencil, make a hash mark on the door frame to mark this measurement. Take the level and use it as a straight edge to continue the mark across the door frame.

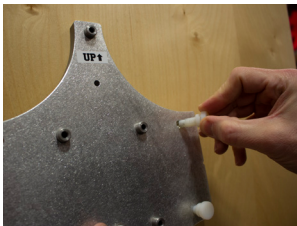
**In-Swing Door Application** - transfer the center line at least 12" across the door with a level.



### **Step 2 – Prepare the Fixture for Specific Door Handing**

**In-Swing Door Application** - With the fixture in the UP position (with the "UP" logo on top) tighten the supplied plastic Spacing Screws into the tapped screw holes on the RIGHT SIDE of the fixture, which will be on the strike side of the door. Make sure they are extended fully through the backside of the fixture.

**Outswing Application** - Either remove the plastic screws or unscrew them so they are flush with the backside of the template.



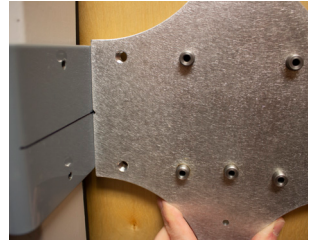
### Step 3 – Position the Fixture to the Door

Place the installation fixture onto the door in the UP position.

**In-Swing Door Application** - slide the fixture along the door until the Spacing Screws are snug against the door's edge and align the notch on the fixture to the center line drawn on the door and/or door frame or bracket.



**Outswing Door Application** - with the door shut, level the fixture by aligning the edge of the fixture to the edge of the door stop face or strike bracket.



#### **NOTE:**

Use the strike shims, supplied with the S&G2890 lock, between the fixture and the door frame or strike bracket. This allows the strike to be adjusted, if needed, after the S&G2890 lock has been installed.

### Step 4 – Secure the Fixture to the Door (Outswing shown)

Once the fixture is in position, center punch the two fixture mounting holes (E holes). On hollow metal doors it may be necessary to drill a 1/8" pilot hole to start the mounting screws.

Insert the 2 self-tapping screws into the E holes and secure the fixture to the door.



### Step 5 – Drill the Pilot Holes

Use the supplied 3/16" extended drill bit to drill the pilot holes. The A, B and C holes are through holes. The D hole is the optional wire entry hole and will be a depth of 3/8" halfway through the door. It's recommended to mark the drill bit to prevent drilling to deep.

Once all pilot holes are drilled, remove the fixture from the door.

**Tip:** Make sure the drill bit is completely inserted straight and level into the drill bushing and contacting the door's surface before drilling. This will ensure a straight through hole and prevent premature wear on the fixtures drill bushings.

**NOTE:** Follow the written instructions provided with each SG2890 Lock Series to complete the lock install. Refer to the instructions for correct hole diameters and depths.

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**I N C O R P O R A T E D**

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