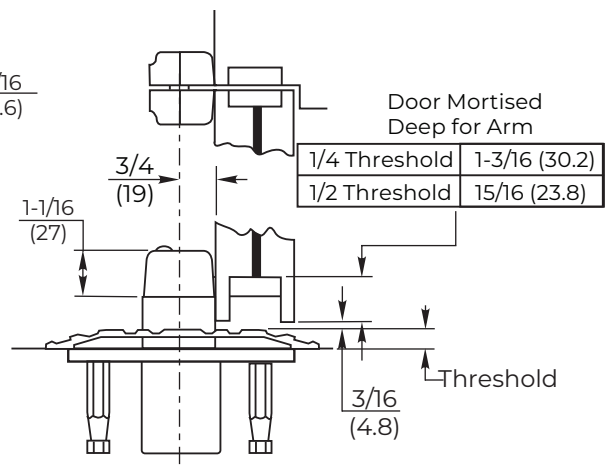


**With Floor Plate**

Set cement case 1/16 (1.6) below surface of finished floor



**With Threshold**

Set Cement Case Flush With Finished Floor  
 To Maintain Proper Clearance Use One (1) 1/16 (1.6) Shim Between The Arm And Arm Bearing Washer.

**NOTES:**

1. Do not scale drawing.
2. Dimensions given in inches (mm).
3. Arm And Top Pivot Drilled To Receive 1/4-20 X 1" FHMS Or # 14 x 2" FHWS
4. For Wood Doors: Pre-Drill Arm And Top Pivot Holes To Prevent Splitting.
5. If Vertical Adjustment Is Required, Two 1/16 (1.6) Shims Are Provided. Place Shims Between Arm And Spindle Shoulder Collar.
6. Maximum Degree Of Opening, Trim Permitting Is 180°. Suitable Reinforcement By Others. Lead Lining By Others. Right Hand Shown.

**NOTE:**

For Door Thickness Not Listed, Use Next Size Smaller Door Size For Preparation. Table Is Based On Lead Being Placed In Center Of Door.

Door Size	A	B	Max. Lead Th'k
1-3/4	1-1/4 (31.8)	1/4 (6.4)	9/32 (7.1)
2	1-3/8 (34.9)	5/16 (7.9)	3/8 (9.5)
2-1/4	1-1/2 (38.1)	3/8 (9.5)	15/32 (11.9)
2-1/2	1-5/8 (41.3)	7/16 (11.1)	9/16 (14.3)
3	2 (50.8)	1/2 (12.7)	3/4 (19)

**Pivot Set Single Acting  
 3/4" Offset-Handed  
 For Lead Lined Doors**

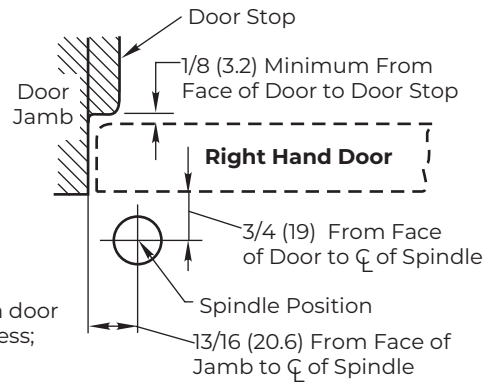
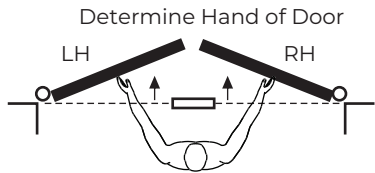


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Offset Hung

# L117 Heavy Duty Pivot Set

Handed

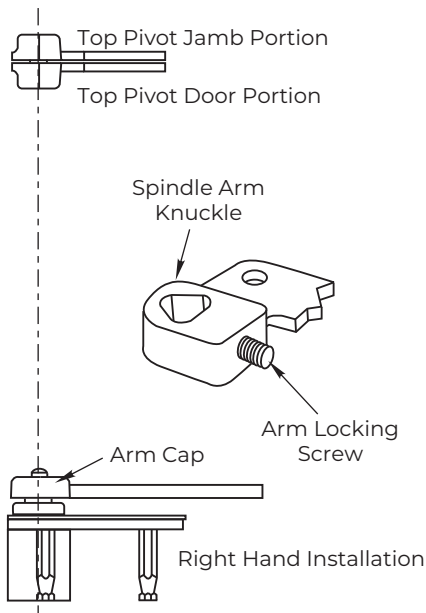


## 1. Locate Pivot

- Measure 13/16 (20.6) from door jamb.
- Allow 1/8 (3.2) minimum clearance from door stop to door face. Measure door thickness; add 3/4 (19).
- Where lines meet determines centerline of pivot.

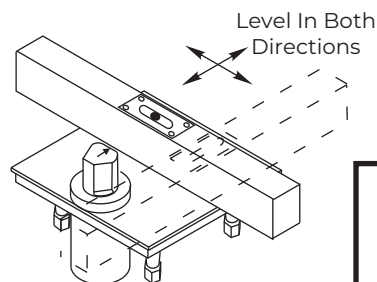
### IMPORTANT

Use plumb line to make sure that centerline of top pin lines up with centerline of Pivot Spindle.



## 2. Install Cement Case In Floor

- For floor plate application, top of cement case is located 1/16 (1.6) below the finished floor.
- For threshold application, top of cement case is located flush with the finished floor.
- Set cement case in floor and block in position.
- Case should be parallel with centerline of door.
- Cement case should be level. Place level per illustration.
- Grout in cement case with bottom pivot. Cement should not get between pivot and cement case.
- A dummy steel floor plate is provided in the event that grinding of floors is necessary.



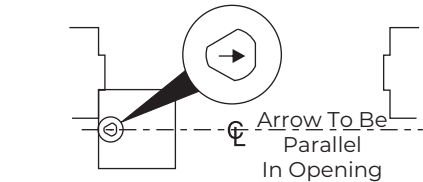
## 3. Install Top Pivot & Pivot Arm

- Install top pivot in door per template.
- Install top pivot in frame per template.
- Install arm in door per template.
- Centerline of top pivot should line up with centerline of spindle.

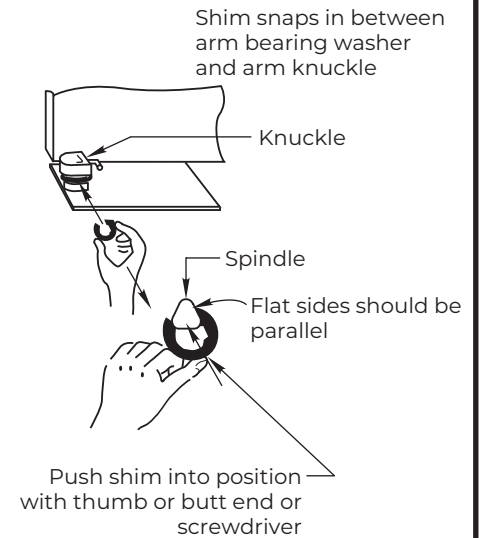
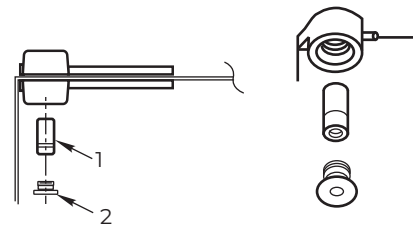
- If door drags at floor or threshold (if used), raise door to desired clearance and insert one or more 1/16 (1.59) shims.
- Tighten Arm and Locking Screw securely with wrench provided.
- Put arm cap on pivot spindle and secure TIGHTLY with cap screw provided.
- Install floor plate, if required.

## 4. Hang Door

- To facilitate hanging of door, position arrow on top of spindle so it is parallel with the opening, and pointing toward the lock jamb. This can be accomplished with the wrench provided.
- Set door on spindle.



- Push top pivot pin (1) up into place and replace cap (2).



DO NOT SCALE DRAWING

**Pivot Set Single Acting  
 3/4" Offset-Handed  
 For Lead Lined Doors**



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