1. Prepare door and frame according to template.

- **RIGHT HAND DOOR**
- **LEFT HAND DOOR**
- **LEFT HAND DOOR**
- **RIGHT HAND DOOR**

**CAUTION:** SEX NUTS ARE RECOMMENDED FOR ATTACHMENT OF COMPONENTS ON UNREINFORCED DOORS, COMPOSITE DOORS OR LABELED FIRE DOORS.

2. Attach closer to door or plate with sweep and latch valves facing hinges.

**Hinges**

- **(Right Hand Door)**
- **(Left Hand Door)**

**QTY**

- **METAL DOOR** (4)
- **WOOD DOOR** (4)

3. Assemble track and attach to wall.

**NOTE:** OUTER TWO SCREWS PASS THROUGH END BLOCKS.

**Insert slide shoe and end blocks into track and attach track to wall.**

**QTY**

- **END BLOCK** (2)
- **SLIDE SHOE** (METAL)
- **SLIDE SHOE** (WOOD)

4. Place wrench on pinion at bottom of closer. Rotate pinion 45° TOWARD LATCH edge of door. Attach main arm to top pinion and secure tightly with pinion screw.

**NOTE:** RIGHT HAND DOOR INSTALLATION SHOWN. LEFT HAND IS A MIRROR IMAGE.

- **PINION SCREW**
- **PINION**
- **HINGE**
- **SLIDE SHOE**
- **END BLOCK**
- **6mm Hex Key**
- **45° ROTATE**

5. Adjust spring tension to ensure proper closing and latching of door. (Use 1/4” wrench)

**NOTE:** Clockwise turns increase spring tension. **MAXIMUM NUMBER OF TURNS - 13**

**CRITICAL**

**SPRING TENSION ADJUSTER**

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**INSPK NO. 08280130 Rev.09/09**

**www.dorma-usa.com 1-800-523-8483**
Adjust sweep, latch and backcheck valves.
Closing time from 90° to 15° (sweep range) is generally adjusted to take a minimum of 3 seconds.
Closing time from 15° to fully closed (latch range) should take a minimum of 1.5 seconds. Backcheck intensity should be adjusted to insure that the door is under control during the opening cycle protecting the door and objects behind the door.

Closing the backcheck positioning valve (clockwise turns) advances the backcheck range approximately 15°.

Optional delayed action offers additional closing speed control when extra time is required to pass through the door. All valve adjustments are made with a 3/32" hex key.

CAUTION: DO NOT REMOVE VALVES.

NOTE: DELAYED ACTION IS AN OPTIONAL FEATURE.

Place tab in cover slot opposite main arm. Place cover over closer and fasten securely with screws provided.

NOTE: LEFT HAND INSTALLATION SHOWN. RIGHT HAND IS A MIRROR IMAGE.