

# RTS SERIES PACKAGES 07 THRU 22

## END LOAD ALUMINUM DOOR AND FRAME



### 1. PREPARE FRAME AND INSTALL CLOSER

Prepare header 1 and side jamb 2 according to template. Fasten mounting bracket 3 to side jamb with three No. 8-32 pan head machine screws. Fasten header to side jamb with two No. 10-32 flat head machine screws. Fasten two 1/4-20 flat head machine screws 4 to header with lock washers and nuts. Fasten angle bracket 5 to closer 6 with two hex head machine screws and flat washers. Install two fillister head machine screws 7 into mounting tabs on closer, make approximately three turns.

NOTE: For RTS 88 models only - do not remove spacer washers in mounting tabs.

Install closer into header by inserting mounting tabs into mounting bracket 3, then raise end of closer with angle bracket 5 onto the two 1/4-20 screws 4. Fasten angle bracket with two remaining 1/4-20 nuts and lock washers 8. Tighten the two fillister head machine screws 7 SECURELY.

Install cover plate 9 by sliding tab into frame and fasten opposite end to mounting bracket with two No. 8-32 flat head machine screws provided.

### 2. PREPARE TOP OF DOOR AND INSTALL ARM

Prepare top of door according to template. Install the two 1/4-20 hex head arm adjustment screws 10 into closer arm 11. Align closer arm in door channel placing positioning pin in hole prepared in door channel. Keep closer arm centered in door. Turn both 1/4-20 hex head alignment screws 10 counterclockwise until they are wedged against door channel. Tighten arm into place with two 1/4-20 pan head machine screws and flat washers 12.

### 3. PREPARE BOTTOM OF DOOR AND INSTALL PIVOT

8852 FLOOR PIVOT (7/8" WEB DEPTH)  
8853 FLOOR PIVOT (1-9/16" WEB DEPTH)  
Prepare bottom of door according to template. Fasten door portion of bottom pivot 13 with three 1/4-20 pan head machine screws 14. Prepare floor according to template. Fasten lower portion 15 with two No. 14 flat head wood screws and plastic anchors.

8855 THRESHOLD PIVOT (7/8" WEB DEPTH)  
Prepare bottom of door according to template. Fasten door portion of bottom pivot with three 1/4-20 pan head machine screws. Prepare threshold according to template. Fasten lower portion with jamb nut.

8857 THRESHOLD PIVOT (1-9/16" WEB DEPTH)  
Prepare bottom of door according to template. Fasten door portion with two 1/4-20 pan head machine screws. Prepare threshold according to template. Fasten lower portion with two No. 14 flat head wood screws and plastic anchors.

Place bearing 16 onto bottom portion of pivot. IMPORTANT: To fit bearing correctly, the enclosed side showing the nomenclature of the bearing must face down.

### 4. INSTALL DOOR

HOLD OPEN CLOSER - With a large adjustable wrench, turn closer spindle to hold open position (90° or 105°).

NON-HOLD OPEN CLOSER - Completely close valves "A" and "B" by turning clockwise. With a large adjustable wrench, turn closer spindle to approximately 90°.

Position door at angle that coincides with the closer spindle. Align top of door with closer spindle and bottom of door with pivot. Slide top and bottom of door into position SIMULTANEOUSLY. Fasten clamping block 17 to arm 11 with 5/16-18 socket head cap screws 18. Alternate fastening screws when tightening clamping block 17. TIGHTEN SECURELY.

### 5. ADJUST CLOSING SPEED

Valve "A" - Controls closing speed from maximum opening angle to 0°. Clockwise turns decrease closing speed, counterclockwise turns increase closing speed.

Valve "B" - Increases closing speed from maximum opening angle to 20°, turn valve counterclockwise.

### 6. DOOR ALIGNMENT

Double Acting - Center door in frame by loosening two 1/4-20 pan screws 12 and adjusting the two 1/4-20 hex head alignment screws 10 as required. Retighten pan head screws 12 SECURELY.

Single Acting - To insure that door closes tightly against stop, adjust top arm as follows. Loosen the two 1/4-20 pan head screws 12, adjust arm fully in the direction of door swing. Retighten 1/4-20 pan head screws 12 SECURELY.

### 7. CLEARANCE ADJUSTMENTS (IF REQUIRED)

If clearance differs from those shown on template, adjust in the following manner.

Loosen clamping block screws 18. Height adjustment is made by turning adjustment nut on lower portion of pivot clockwise to raise and counterclockwise to lower door. ADJUSTMENT RANGES - REFERENCE TEMPLATE. Retighten clamping block screws 18.

### 8. DOOR REMOVAL

For closers with hold open feature, place door in hold open position. For non-hold open closers, open door to approximately 90°. Completely close valves "A" and "B" turning clockwise. Remove clamping block 17 from top arm 11. With screwdriver, depress retaining clip on door portion of bottom pivot. Slide door out of opening.

