

RTS Series Package 07-22

With slotted angle bracket

End load aluminum door and frame

Installation instructions

08280331 – 02-2020

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dormakaba 

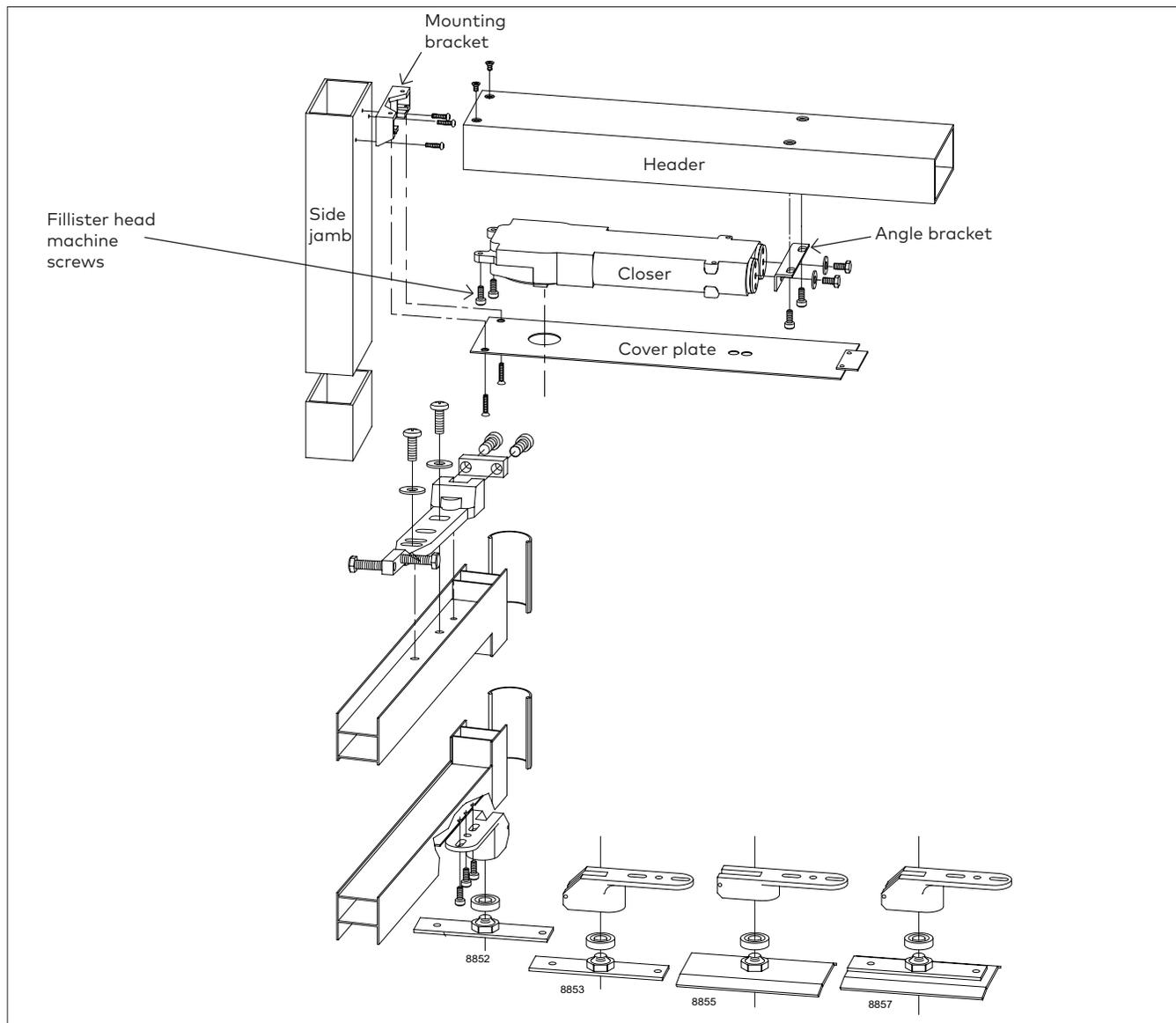
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1 Installation instructions

1.1 Prepare frame and install closer

Fig.1



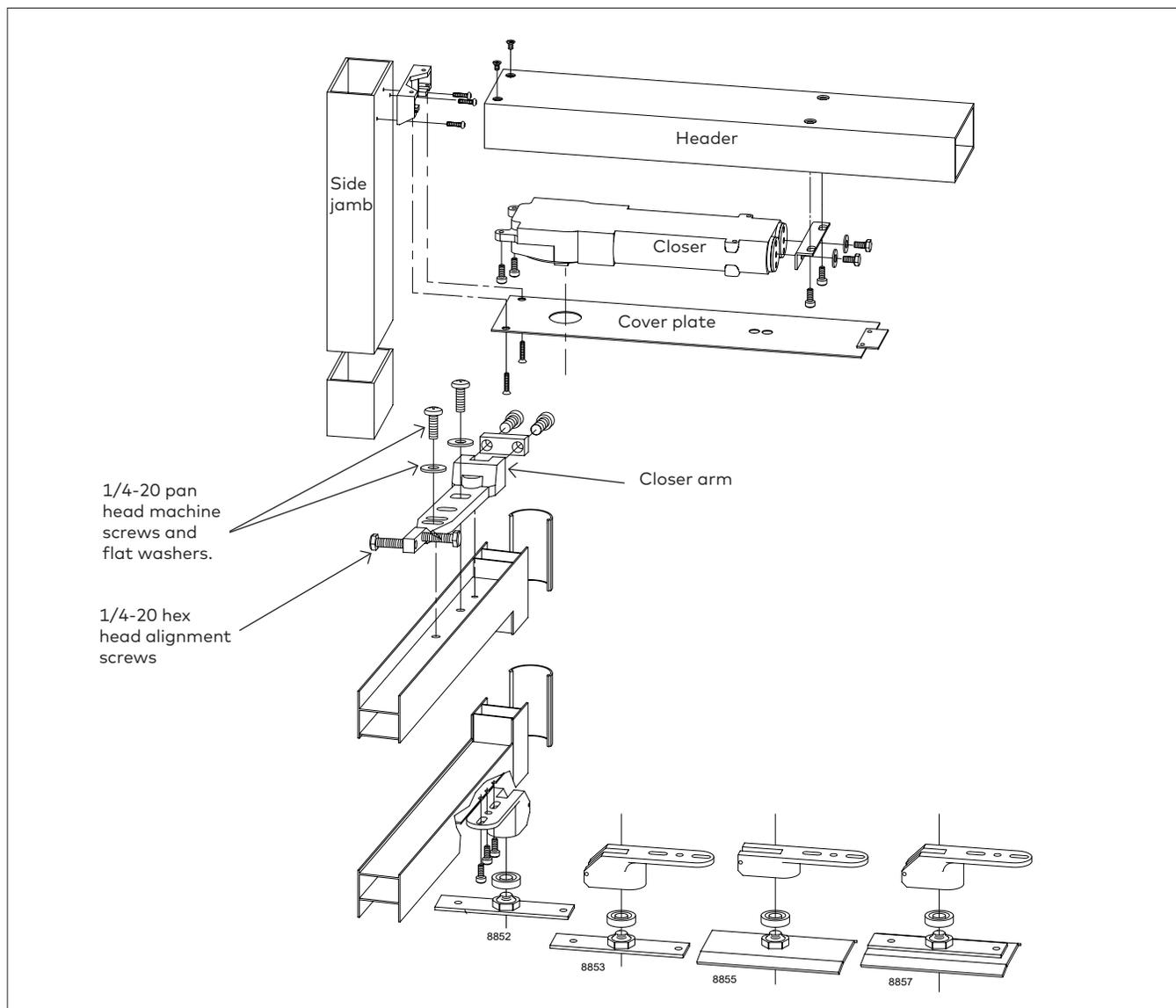
- 1.1.1 Prepare header and side jamb according to template.
- 1.1.2 Fasten mounting bracket to side jamb with three No .8-32 pan head machine screws.
- 1.1.3 Fasten header to side jamb with two No. 10-32 flat head machine screws.
- 1.1.4 Fasten angle bracket to closer with two hex head machine screws and flat washers.
- 1.1.5 Install 2 fillister head machine screws into mounting tabs on closer; make approximately 3 turns.

NOTE: For RTS88 models only - do not remove spacer washers in mounting tabs.

- 1.1.6 Install closer into header by inserting mounting tabs into mounting bracket.
- 1.1.7 Raise end of closer with angle bracket into header.
- 1.1.8 Fasten angle bracket with the two 1/4-20 pan head machine screws.
- 1.1.9 Closer should remain centered in header.
- 1.1.10 Tighten the 2 fillister head machine screws securely.
- 1.1.11 Install cover plate by sliding tab into frame.
- 1.1.12 Fasten opposite end to mounting bracket with two No. 8-32 flat head machine screws provided.

1.2 Prepare top of door and install arm

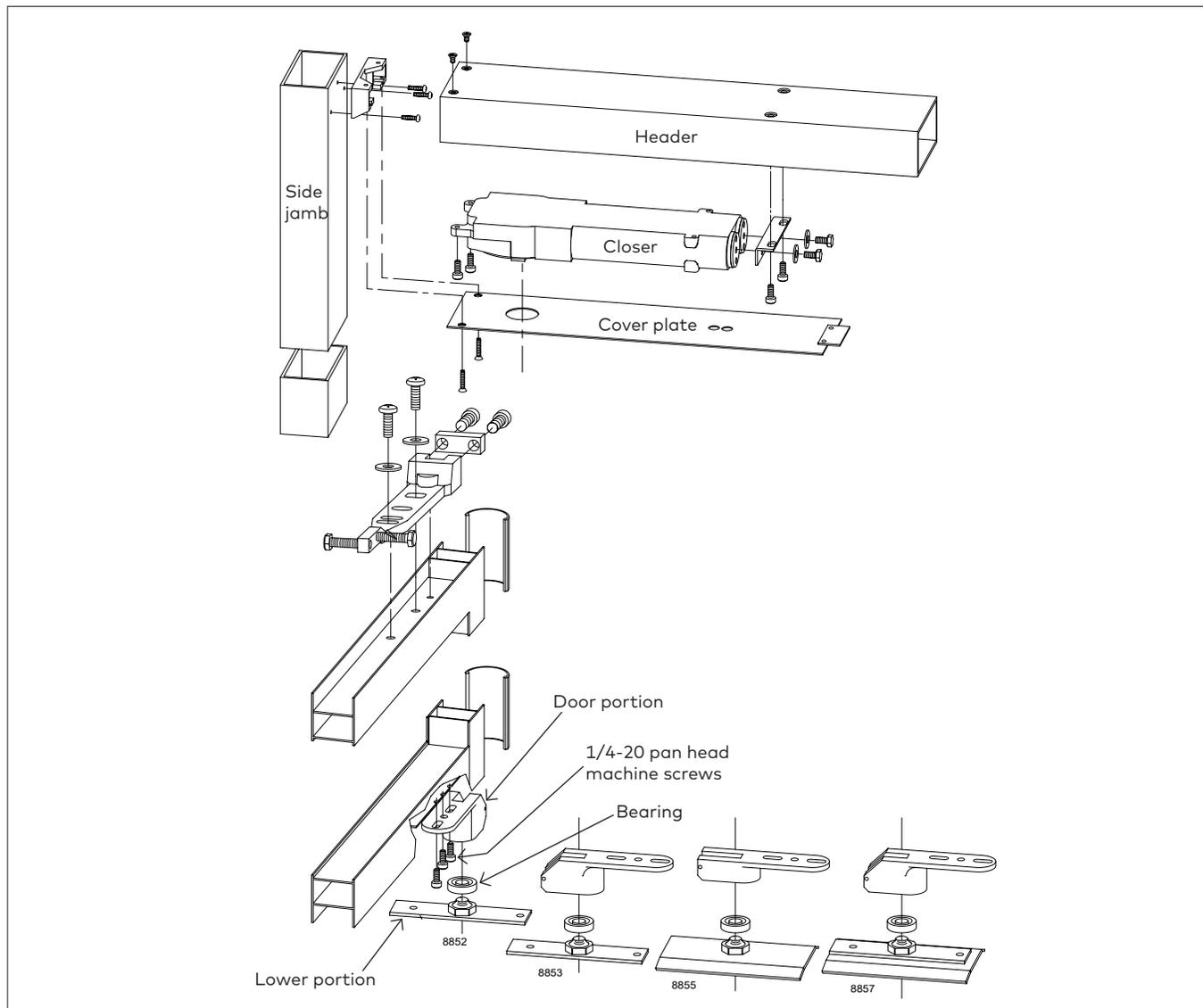
Fig.2



- 1.2.1 Prepare top of door according to template.
- 1.2.2 Install two 1/4-20 hex head alignment screws into closer arm.
- 1.2.3 Align closer arm in door channel placing positioning pin in hole prepared in door channel.
- 1.2.4 Keep closer arm centered in door.
- 1.2.5 Turn both 1/4-20 hex head alignment screws counter-clockwise until they are wedged against door channel.
- 1.2.6 Secure arm into place with 1/4-20 pan head machine screws and flat washers.

1.3 Prepare bottom of door and install pivot

Fig.3



8852 floor pivot: 7/8" web depth

8853 floor pivot: 1-9/16" web depth

- 1.3.1 Prepare bottom of door according to template.
- 1.3.2 Fasten door portion of bottom pivot with three 1/4-20 pan head machine screws.
- 1.3.3 Prepare floor according to template.
- 1.3.4 Fasten lower portion with two No. 14 flat head wood screws and plastic anchors.

8855 threshold pivot: 7/8" web depth

- 1.3.1 Prepare bottom of door according to template.
- 1.3.2 Fasten door portion of bottom pivot with three 1/4-20 pan head machine screws.
- 1.3.3 Prepare threshold according to template.
- 1.3.4 Fasten lower portion with jamb nut.

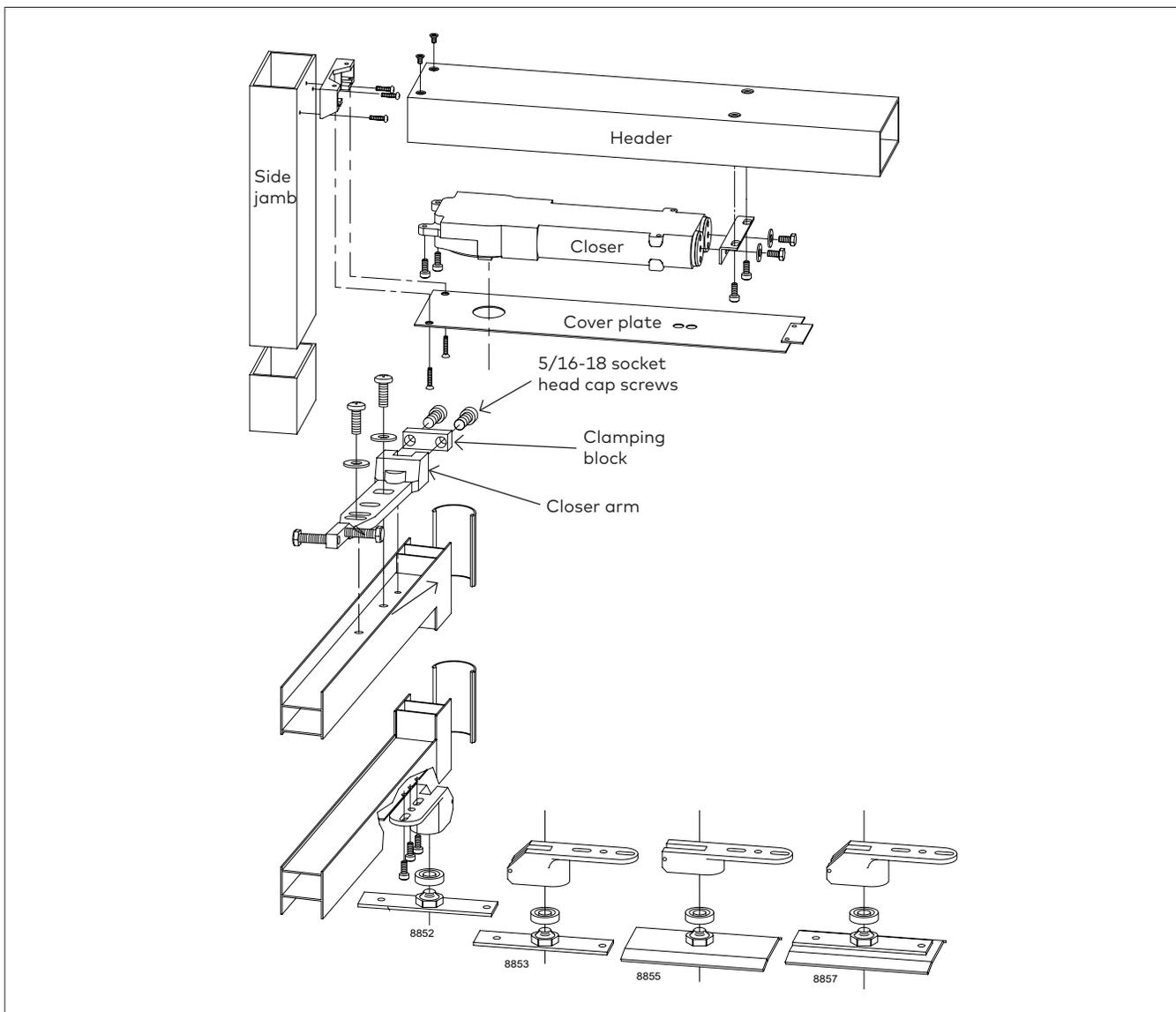
8857 threshold pivot: 1-9/16" web depth

- 1.3.1 Prepare bottom of door according to template.
- 1.3.2 Fasten door portion of bottom pivot with three 1/4-20 pan head machine screws.
- 1.3.3 Prepare threshold according to template.
- 1.3.4 Fasten lower portion with two No. 14 flat head wood screws and plastic anchors.

- 1.3.5 Place bearing onto bottom portion of pivot.
- 1.3.6 **IMPORTANT: TO FIT BEARING CORRECTLY, THE ENCLOSED SIDE SHOWING THE NOMENCLATURE OF THE BEARING MUST FACE DOWN.**

1.4 Install door

Fig.4



Hold open closer:

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

Non-hold open closer:

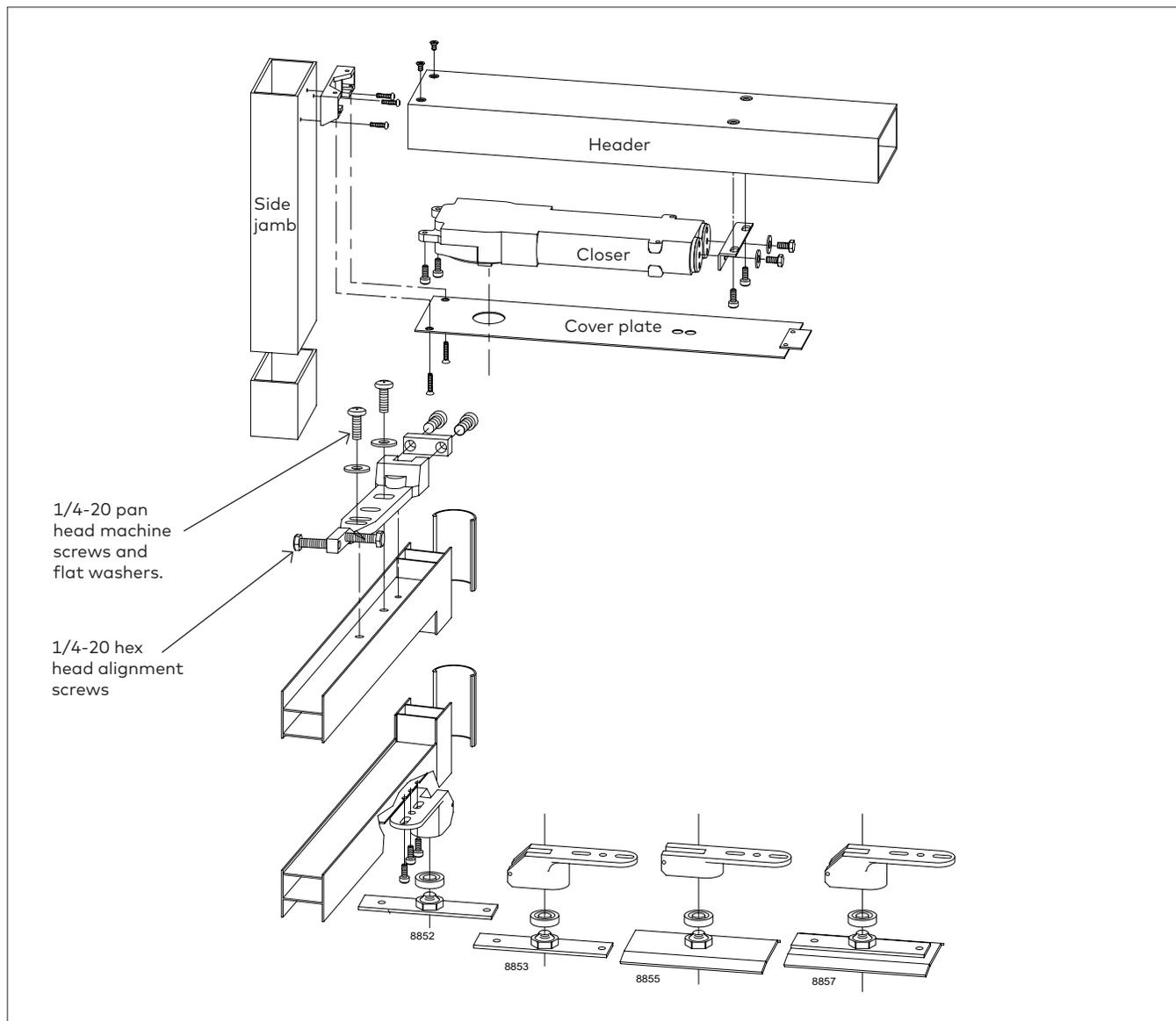
- 1.4.2 Completely close valves "A" and "B" by turning clockwise.
 1.4.3 With a large adjustable wrench, turn closer spindle to approximately 90°.

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

2 Adjustments

2.1 Door alignment

Fig.5



2.1.1 Double acting -

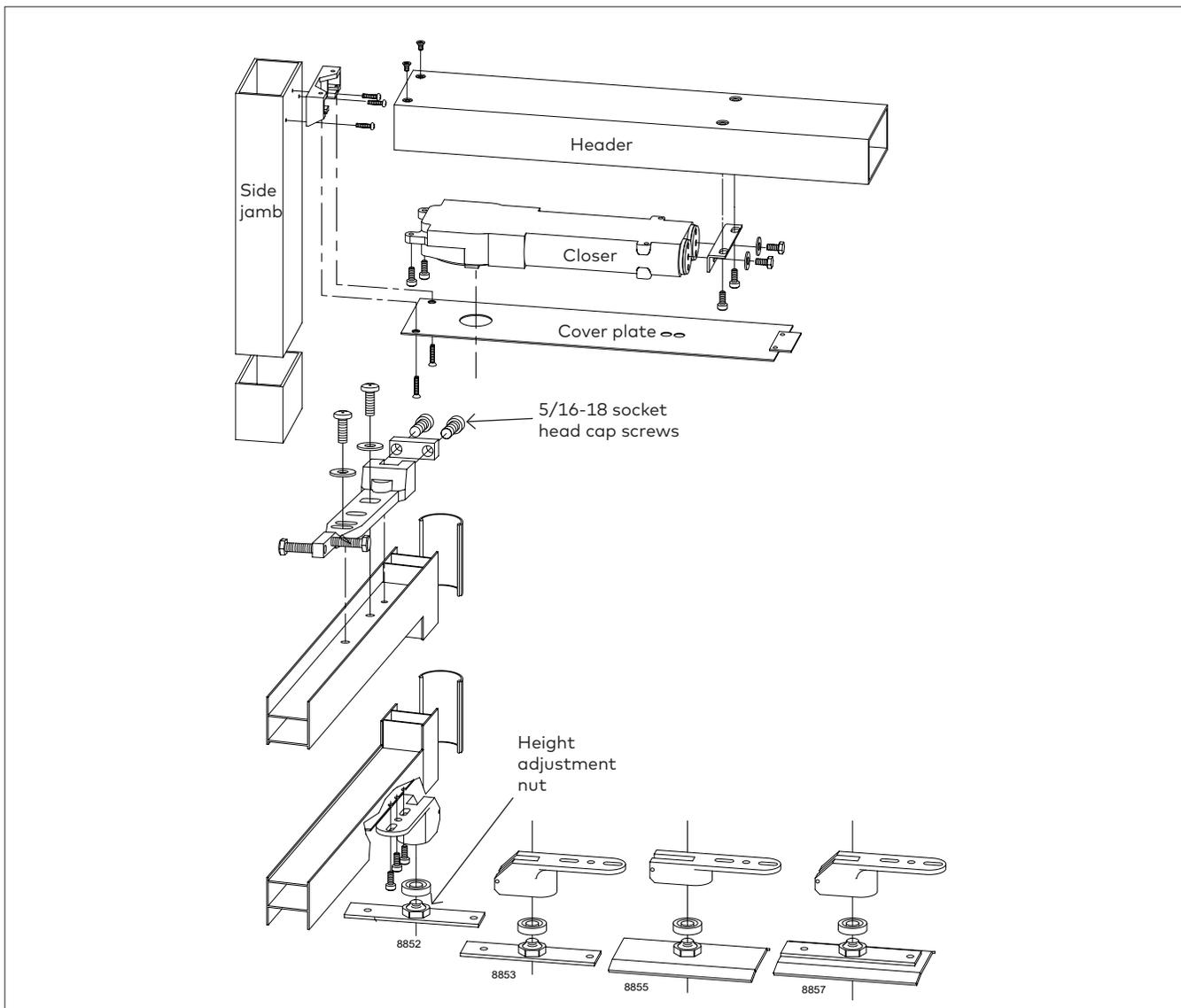
- Center door in frame by loosening 1/4-20 pan head screw and adjusting the two 1/4-20 hex head alignment screws as required.
- Retighten 1/4-20 pan head screws.
- TIGHTEN SECURELY!

2.1.2 Single acting -

- Adjust arm to insure that door closes tightly against stop.
- Loosen the two 1/4-20 pan head screws.
- Adjust arm fully in the direction of door swing.
- Retighten 1/4-20 pan head screws.
- TIGHTEN SECURELY!

2.2 Clearance adjustments (if required)

Fig.6



2.2.1 If clearances differ from those shown on the template, adjust in the following manner.

2.2.2 Loosen 5/16-18 socket head cap screws.

2.2.3 Height adjustment is made by turning adjustment nut on lower portion of pivot.

Adjustment ranges - reference template.

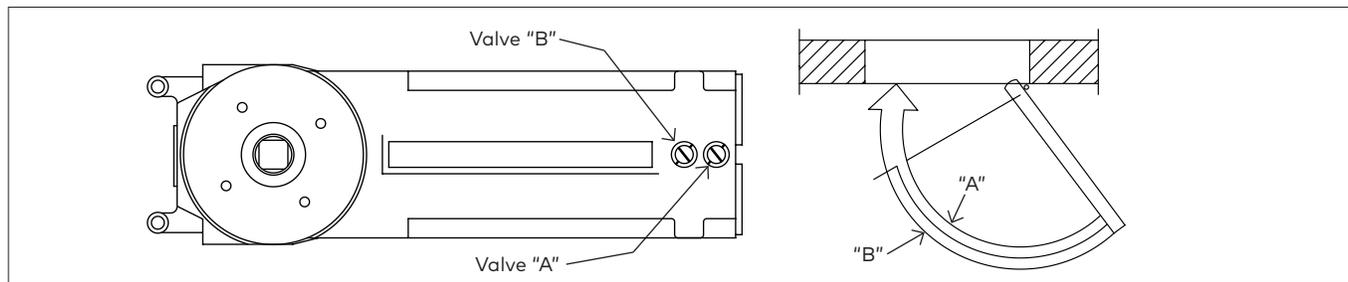
- Clockwise - raises the door
Counter-clockwise - lowers the door

2.2.4 Retighten socket head cap screws.

2.2.5 TIGHTEN SECURELY!

2.3 Adjust closing speeds

Fig.7



2.3.1 Valve "A" - controls closing speed from maximum opening angle to 0°.

- Clockwise - decreases closing speed
- Counter-clockwise - increases closing speed

2.3.2 Valve "B" - increases closing speed from maximum opening angle to 20°.

Counter-clockwise - increases closing speed.

3 Door removal

Fig.8

