

BTS80/L

Package L

3/4" offset hung, lead lined

Installation instructions

08059442 – 02-2021

| EN |

dormakaba 

Table of contents

1	Installation	3
1.1	Attach spindle and install closer	3
1.2	Install top pivot	3
1.3	Install bottom arm in bottom of door (75343)	3
1.4	Install the door	4
2	Templates	5
2.1	Top pivot template	5
2.2	Bottom arm (75343) template	6
2.3	Cement case template	7
3	Adjustments	8
3.1	Adjust bottom door clearances (if necessary)	8
3.2	Adjust closing speeds	8
3.3	Sealing compound (optional)	8
4	Covers	9
4.1	Install cover	9

1 Installation

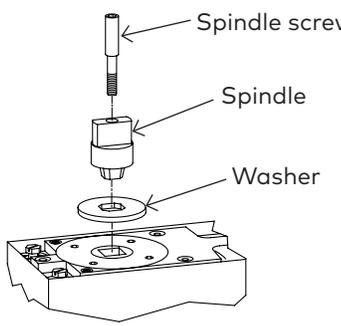
1.1 Attach spindle and install closer

Fig.1

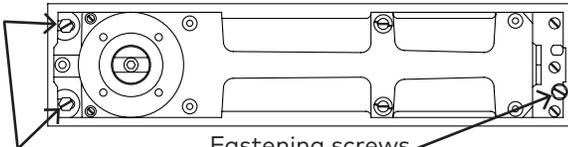
1.1.1 Slide washer over tapered square end of spindle until fully seated in groove.

1.1.2 Fasten spindle with spindle screw provided.

1.1.3 Tighten securely with 5mm hex key.

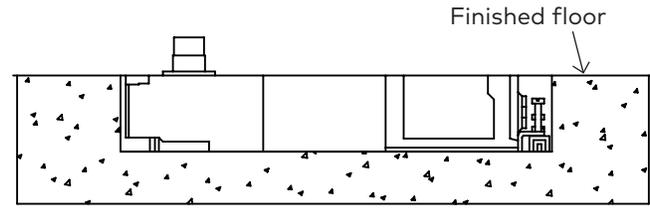


**CRITICAL:
WASHER MUST
BE INSTALLED**



1.1.4 Center closer in cement case.

1.1.5 Tighten fastening screws.



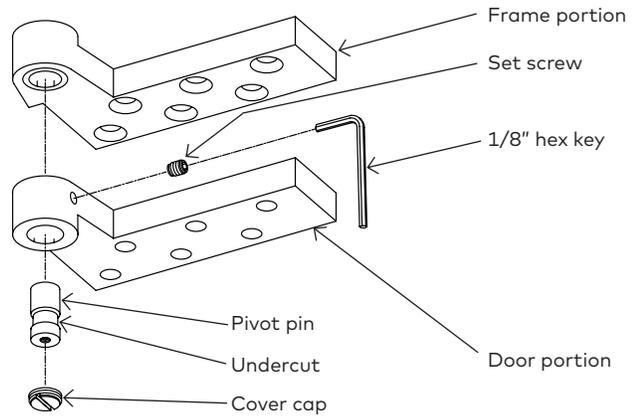
NOTE: Top of cement case must be flush with finished floor.
NOTE: Cement case must be level and installed parallel to frame.
NOTE: Spindle center line must be accurately located.
NOTE: Grout cement case in place.

1.2 Install top pivot

Fig.2

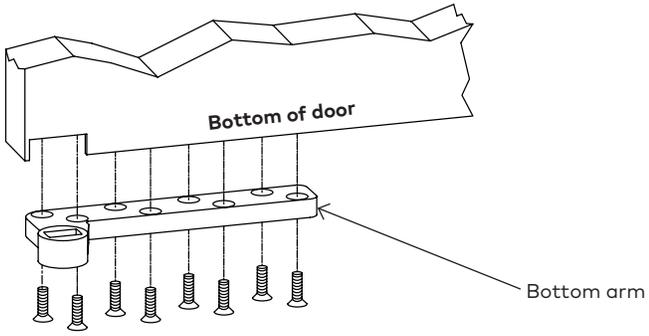
1.2.1 Remove set screw, cover cap and pivot pin.

1.2.2 Install top pivot.



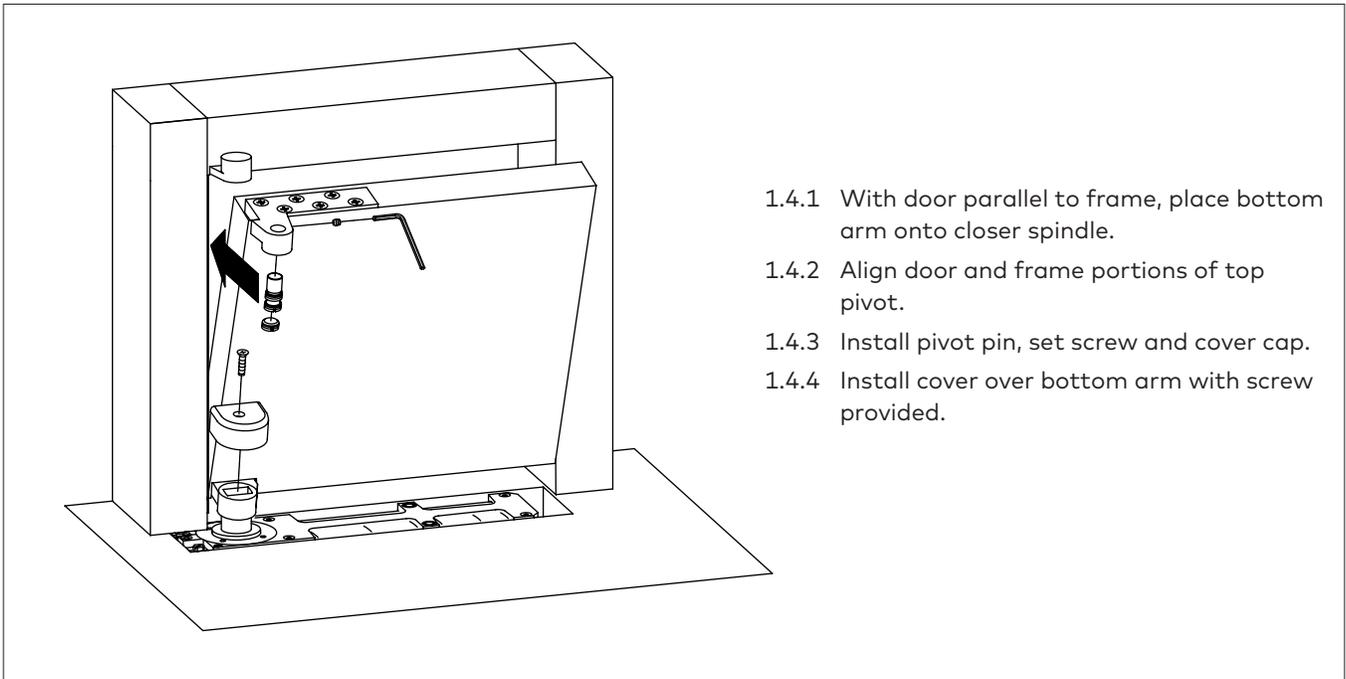
1.3 Install bottom arm in bottom of door (75343)

Fig.3



1.4 Install the door

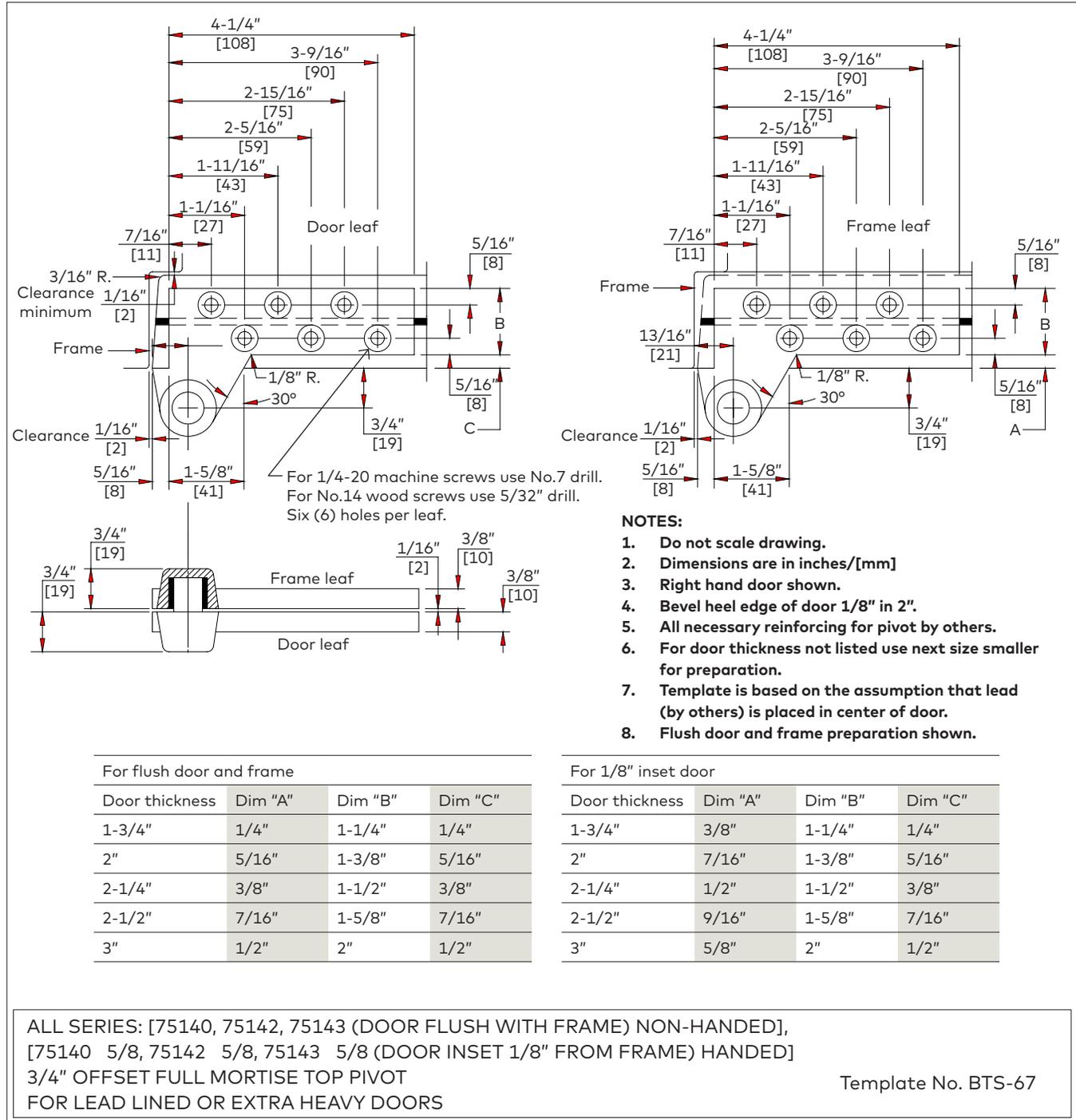
Fig.4



2 Templates

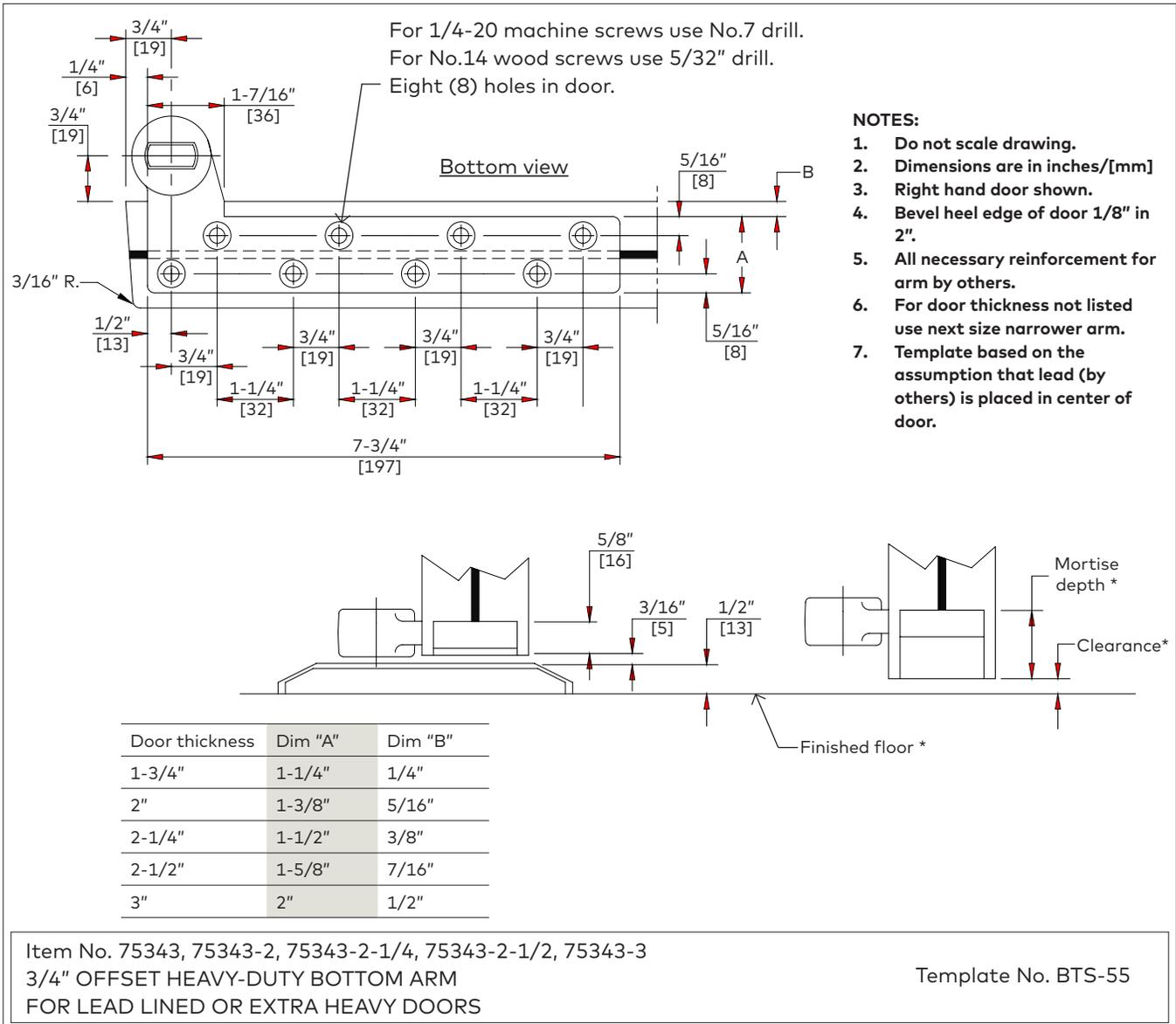
2.1 Top pivot template

Fig.5



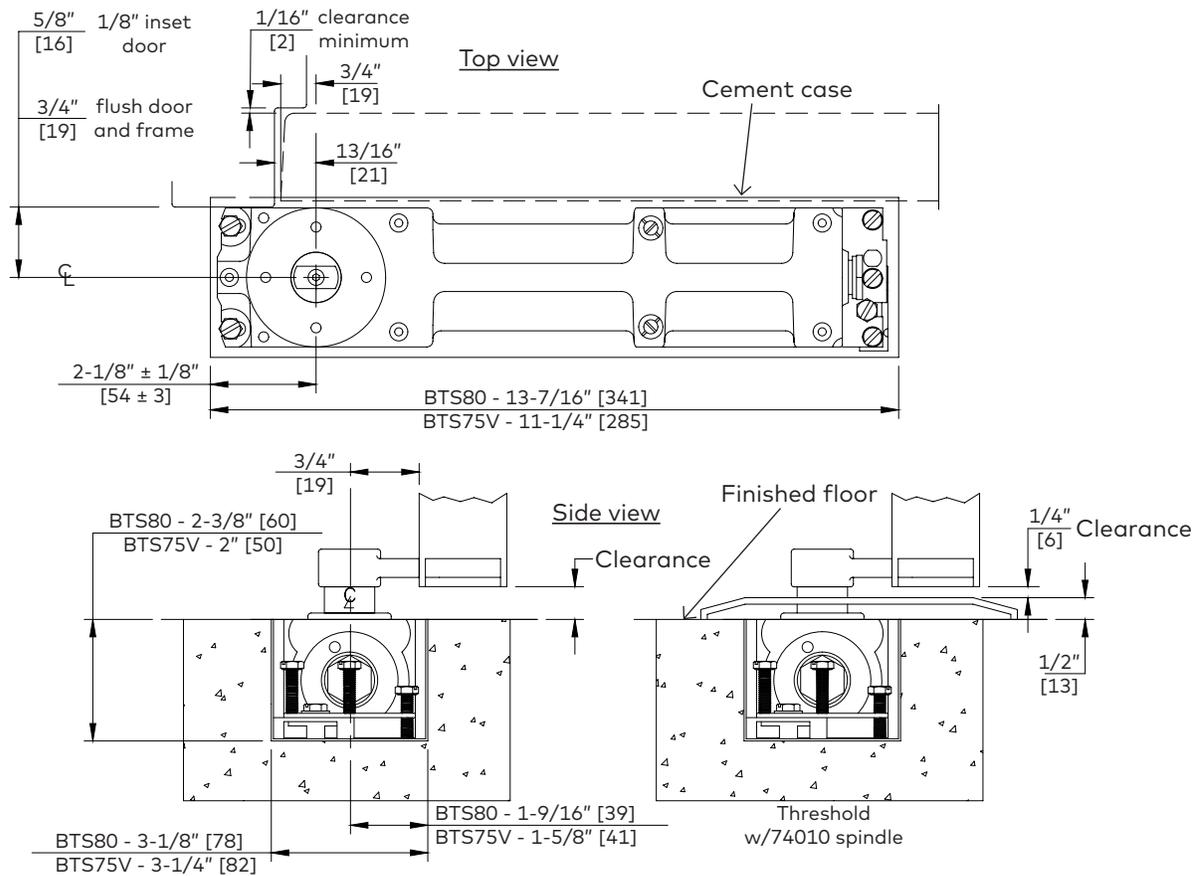
2.2 Bottom arm (75343) template

Fig.6



2.3 Cement case template

Fig.7



NOTES:

1. Do not scale drawing.
2. Dimensions are in inches/[mm]
3. Top of cement case must be flush with finish floor line.
4. Cement case must be level and parallel to frame.
5. Install cement case with closer centered in case.
6. 1/8" inset installation shown.

Spindle no.	Clearance		
74003	5/16"	74020	1-1/8"
74005	1/2"	74025	1-5/16"
74007	5/8"	74030	1-1/2"
(std) 74010	3/4"	74035	1-11/16"
74012	13/16"	74040	1-7/8"
74015	7/8"	74045	2-1/16"
		74050	2-5/16"

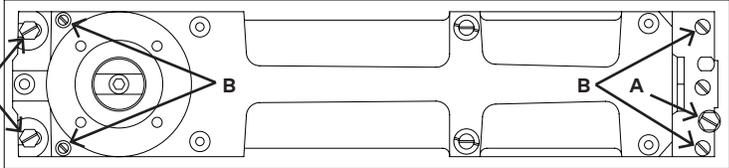
FLOOR CLOSER MODELS: BTS 75V/D,E,F & BTS 80/D,E,F,L
 3/4" OFFSET
 CEMENT CASE PLACEMENT

Template No. BTS-78

3 Adjustments

3.1 Adjust bottom door clearances (if necessary)

Fig.8



3.1.1 Closer can be raised approximately 5/32" with the cement case.

3.1.2 Loosen fastening screws "A".

3.1.3 Turn height adjustment screws "B" CW until desired height is obtained.

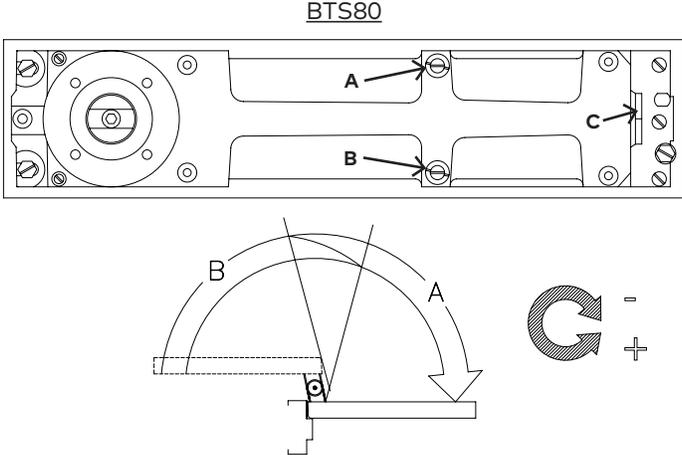
NOTE: Closer must remain level!

3.1.4 Re-tighten fastening screws "A".

3.1.5 If more clearance is necessary, change spindle to appropriate size.

3.2 Adjust closing speeds

Fig.9



Valve "A"	Controls closing speed from 80° to 0°
Valve "B"	Controls closing speed from approximately 180°-80°
Delayed action	Turn valve "B" CW until desired delay time is obtained.
Hold open	Turn valve "B" completely CW. Door will hold at any point beyond approx. 80°. Allow for approx. 4° fall away when considering hold open position. To release door, manually pull door closed a few inches.
Valve "C"	Controls position at which hold open or delayed action will begin to occur. CW turns increase angle (105° max). CCW turns decrease angle (75° min).

3.3 Sealing compound (optional)

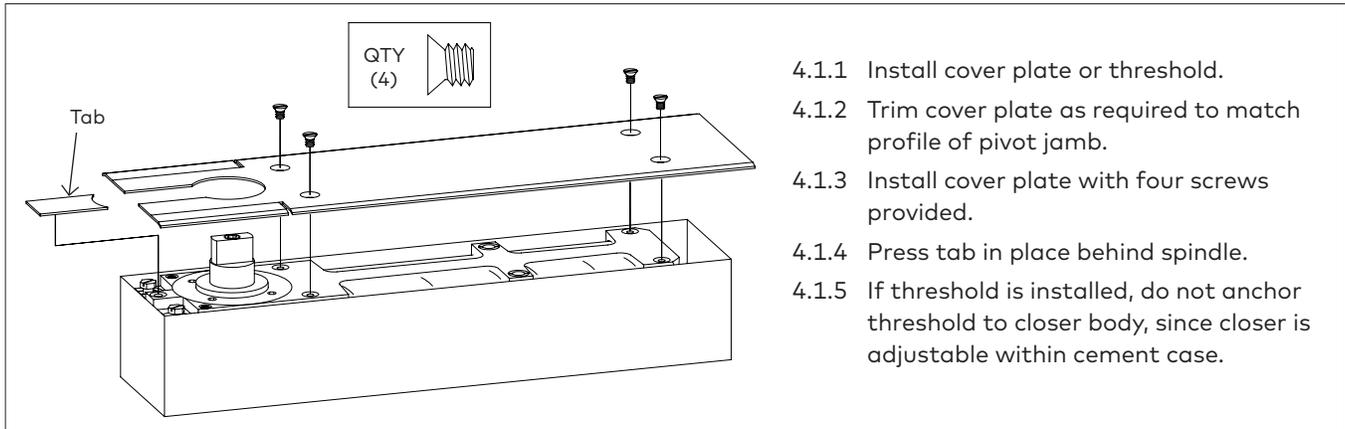
Fig.10

Sealing compound is recommended for exterior doors or areas with excessive moisture. Make all final adjustments before adding compound. Refer to instructions packed with compound for full details.

4 Covers

4.1 Install cover

Fig.11



- 4.1.1 Install cover plate or threshold.
- 4.1.2 Trim cover plate as required to match profile of pivot jamb.
- 4.1.3 Install cover plate with four screws provided.
- 4.1.4 Press tab in place behind spindle.
- 4.1.5 If threshold is installed, do not anchor threshold to closer body, since closer is adjustable within cement case.

