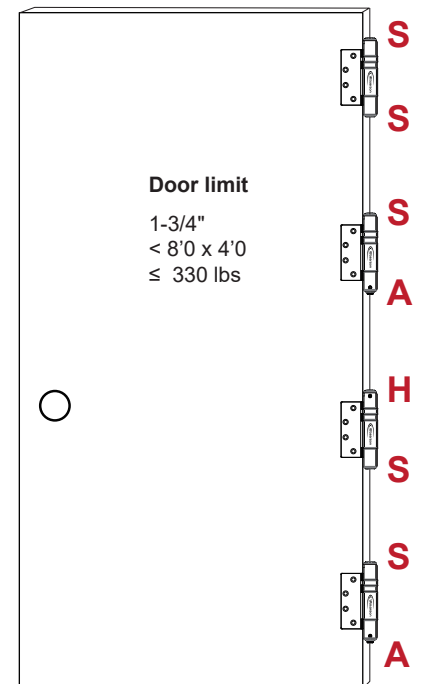
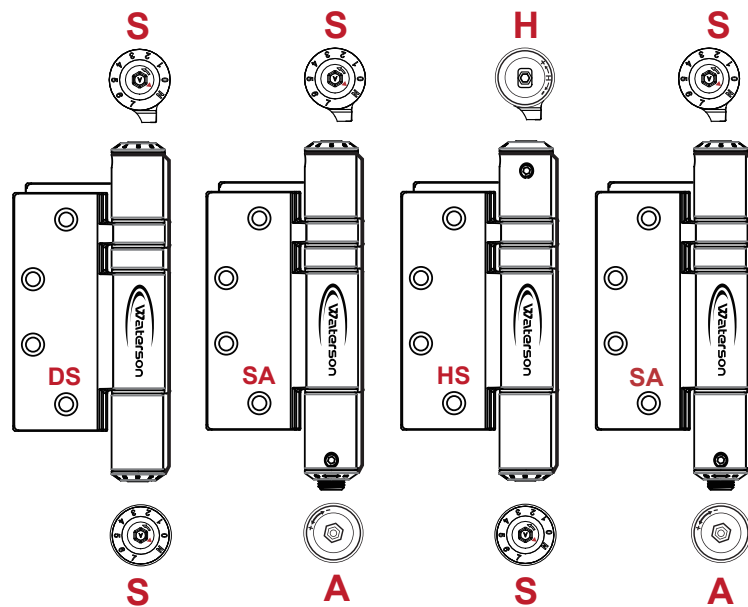
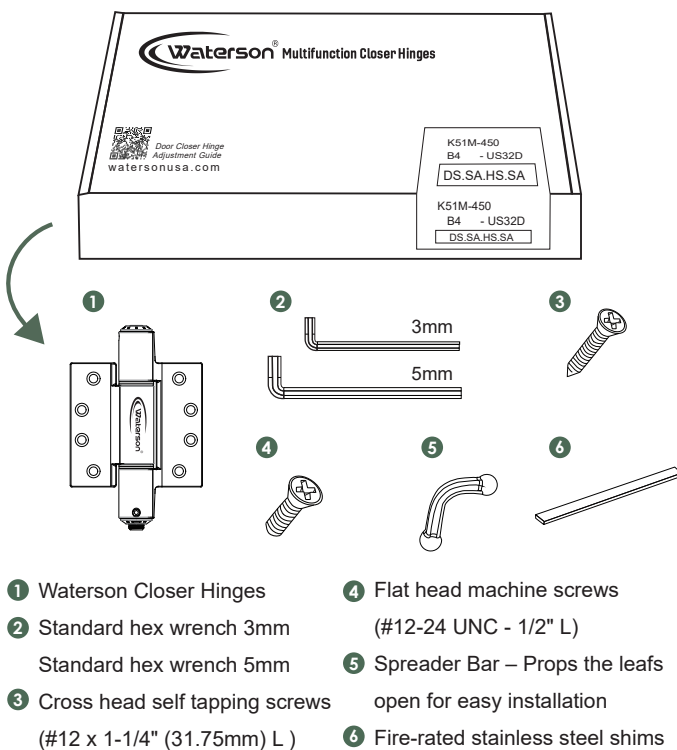




B.1 Parts Included

Each box includes a complete set of hinges, installation parts and necessary tools.
NOTE: Set B4 includes four hinges; Set B2 includes two hinges.

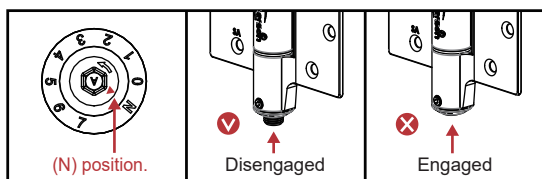


B.2 Adjustment Steps

Follow the steps below to precisely adjust the speed control and self-closing functions.

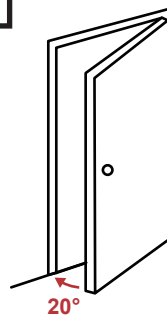
1 BEFORE ADJUSTING

Install door so it swings freely and latches. Hinges should be in the following factory settings upon installation:



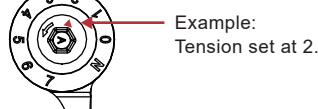
NOTE: Hinge positions are interchangeable.

2 SETTING TENSION



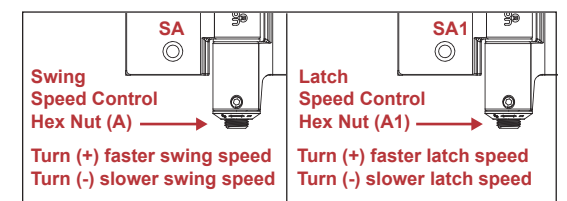
Increase tension one number at a time until door closes and latches from 20°.
(Refer to B.3-S)

NOTE: Optimal function is achieved when hinges are set similarly. Tension settings are cumulative.



3 ADJUSTING & LATCH SPEED CONTROL

First adjust swing speed control (A) then latch speed control (A1) to avoid slamming. (Refer to B.3-A and B.3-A1)



4 ENABLE HYDRAULIC & ADJUST DAMPER

Follow the two steps below to enable hydraulic function:

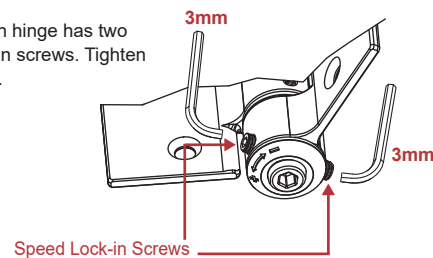
1. Refer B.3 - H1 to see if zone adjustment is needed.
2. Refer B.3 - H2 for Hydraulic Damper Adjustment.



5 LOCK-IN PLACE

Tighten the barrel-side speed lock-in screws on SA and HA hinges to ensure that your settings remain fixed.

NOTE: Each hinge has two speed lock-in screws. Tighten at least one.



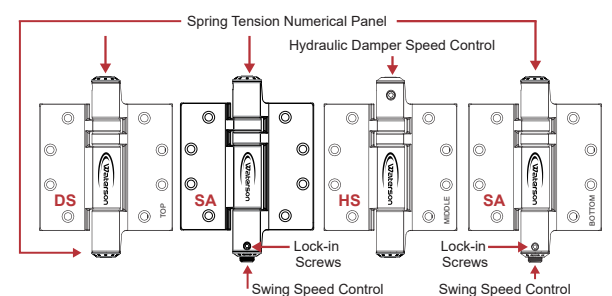
FINE ADJUSTMENT

Optimize door performance by adjusting: Swing speed (A) and Spring tension (S).

- ADJUSTMENTS:**
- **Door Slams:** Decrease swing speed, latch speed, or tension.
 - **Poor Latching:** Increase swing speed, latch speed, or tension.

NOTE: Adjust speed control gradually, making slight changes each time.

NOTE: Increase or decrease spring tension incrementally one number at a time.



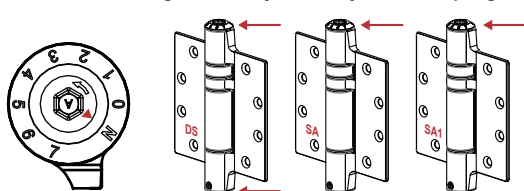
B.3 How To Adjust

Waterson hinge sets are easily adjustable using 3mm and 5mm hex wrenches. See specific adjustment details (S, A, A1, B, H1 & H2) below.

S TENSION ADJUSTMENT

Use 5mm hex wrench to adjust numerical panel.
Increase Tension: Turn (▲) greater number starting from N,0,1, ...
Decrease Tension: Depress hex socket and turn to lower number. (E.g. 7,6,5, ...)

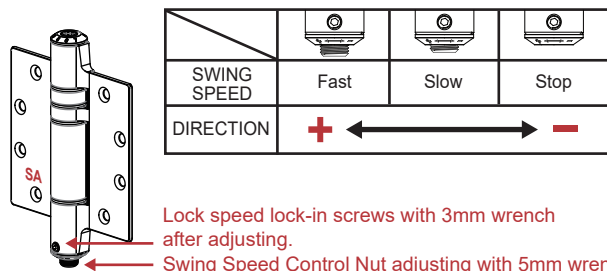
NOTE: Setting tension beyond 5 may decrease spring longevity.



CAUTION: Setting tension beyond 5 may decrease spring longevity.

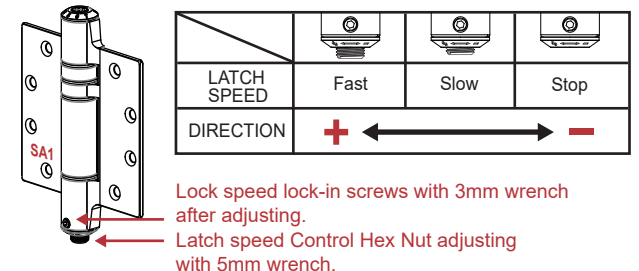
A SWING SPEED ADJUSTMENT

Use 5mm hex wrench to adjust swing speed, which is only adjusted on SA and HA hinge bottoms.



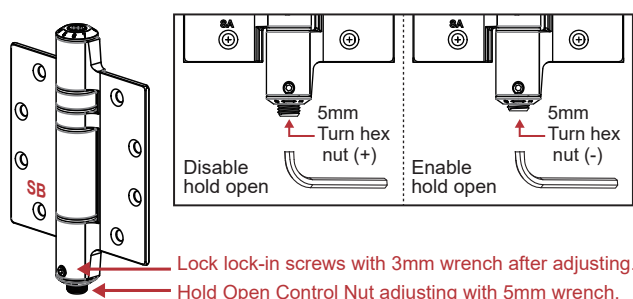
A1 LATCH SPEED ADJUSTMENT

Use 5mm hex wrench to adjust latch speed, which is only adjusted on SA1 hinge bottom.



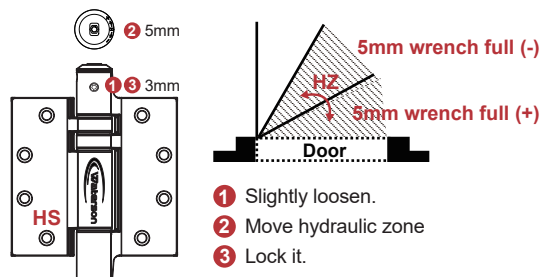
B HOLD OPEN ADJUSTMENT

Hold-open adjustment is only done on SB hinge bottom.



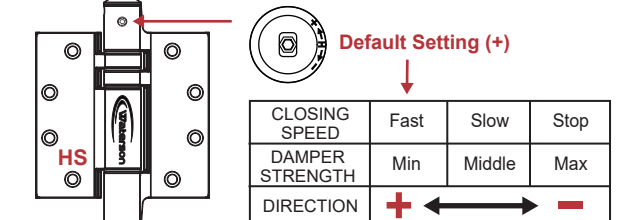
H1 MOVE HYDRAULIC ZONE (if needed)

Hydraulic zone (HZ) is adjustable.
Light or latchless doors: turn fully (+), factory setting.
Heavy latch doors: turn fully (-).



H2 HYDRAULIC DAMPER ADJUSTMENT

Use a 3mm hex wrench to adjust hydraulic damper, which is only done on HA or HS hinges.



NOTE: Turn one full round (-) first, then adjust in 1/4 turns (+ or -) until satisfied.

CAUTION: Hydraulic mechanism operates best from 0-120°. Opening beyond 120° may damage hinge and violate warranty.