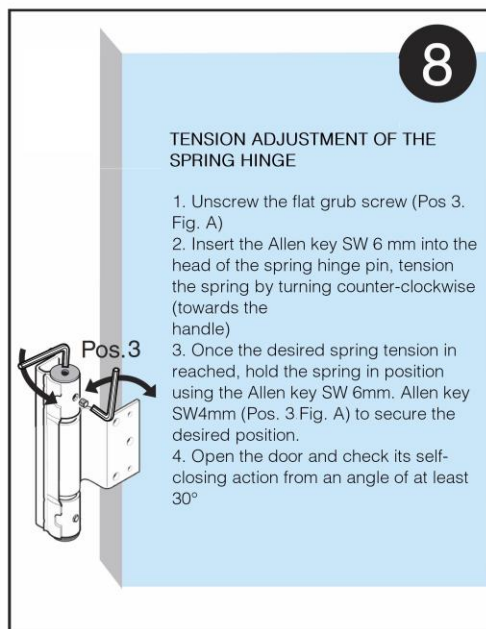
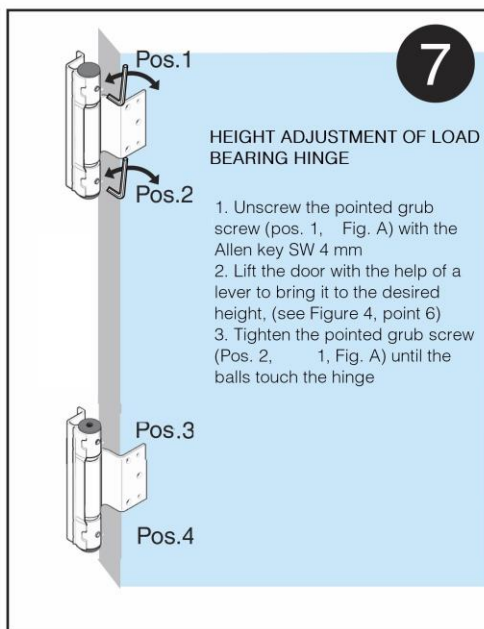
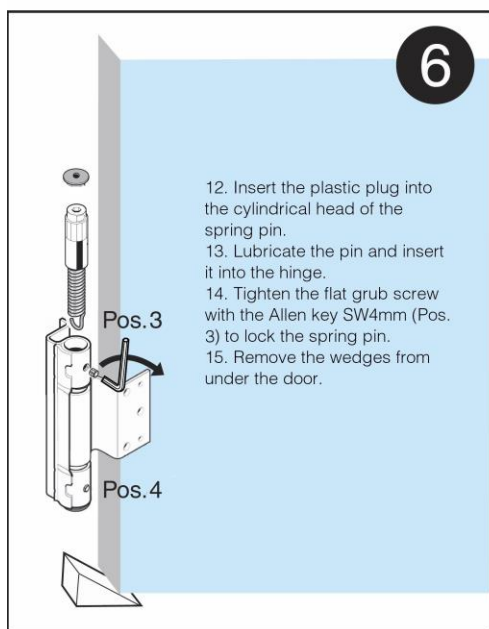
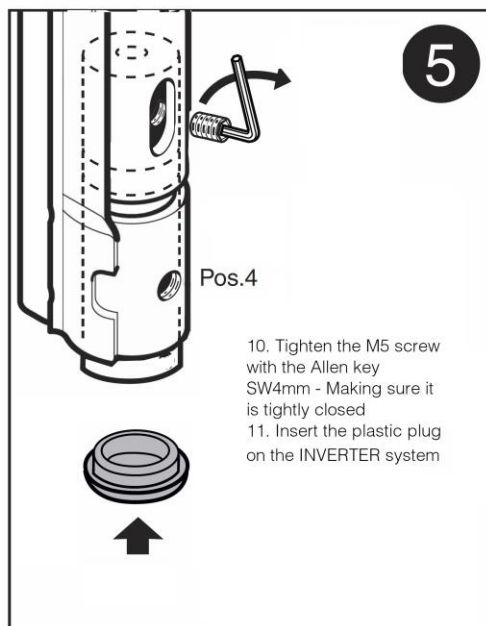
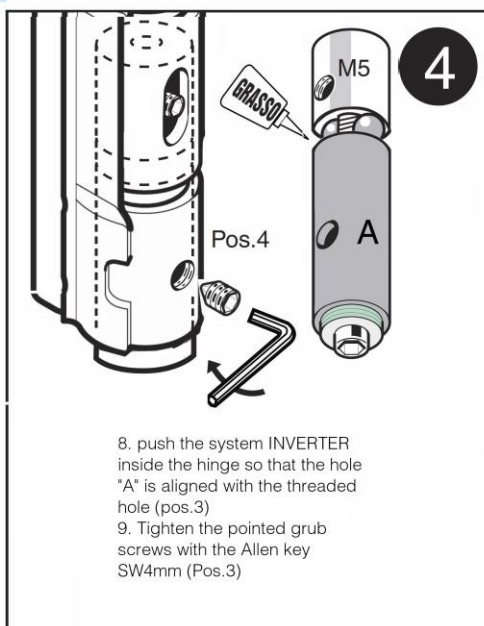
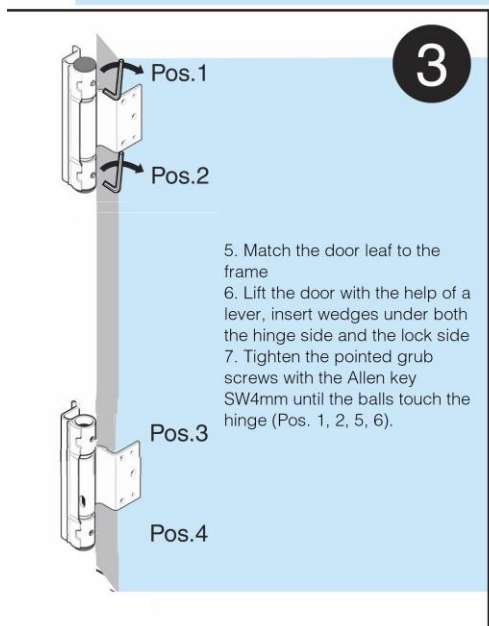
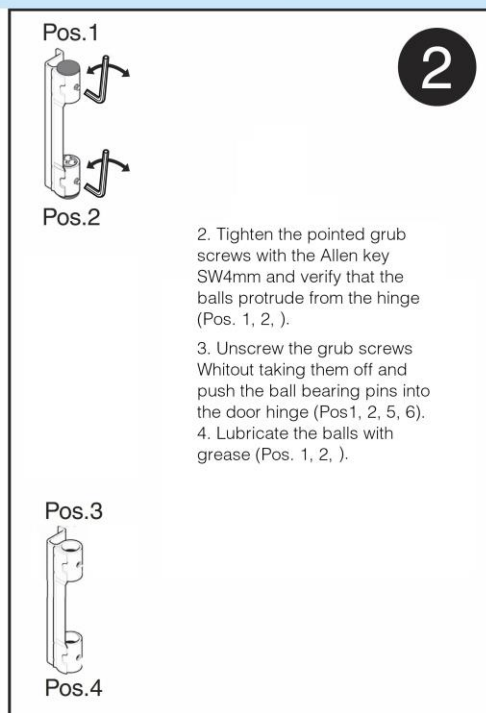
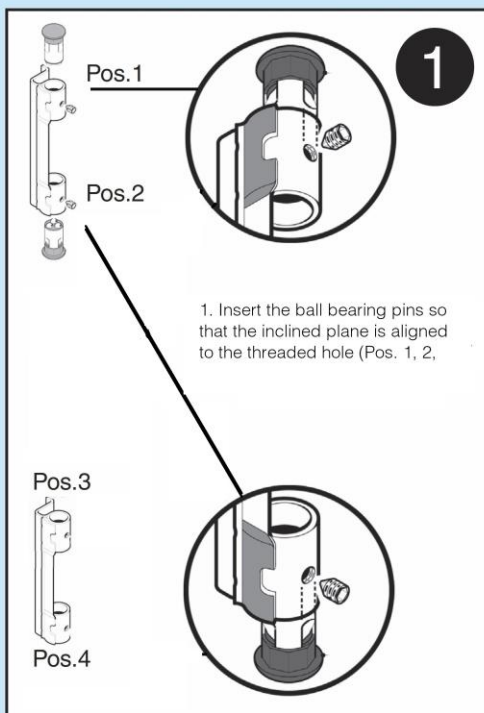
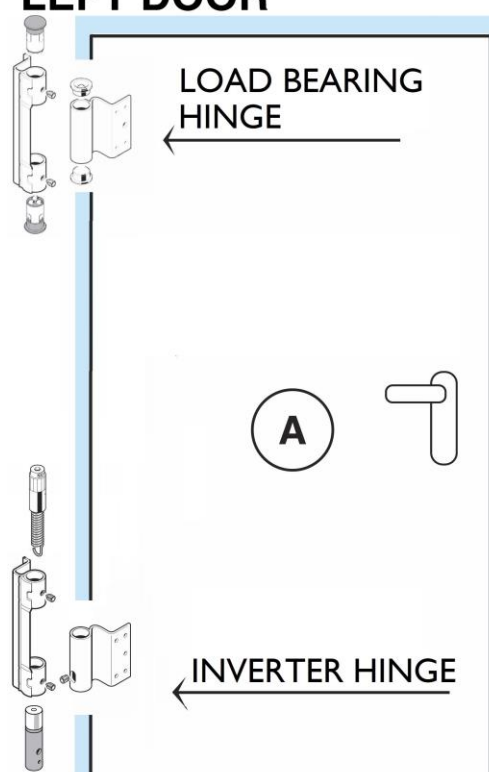


ASSEMBLY ISTRUCTION LEFT DOOR

SERIES ROLL - MODEL INVERTER 2

IMPORTANT

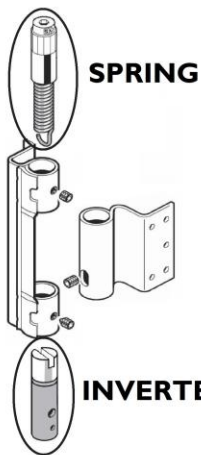
These assembly instructions refer to doors with right direction of movement (see Fig. B). Installation should be performed by at least two people. After about 30/50,000 cycles or once a year it is necessary to lubricate the hinges and to check ease of operation and self-closing action.



INVERTER ADJUSTMENT

CLOSING THE DOOR FROM 90°

Maximum closing speed EN 16034 = 300mm/sec



The **INVERTER** hinge uses two devices:

• SPRING

Thanks to the charge that stores during the opening of the door, the spring allows the door to close

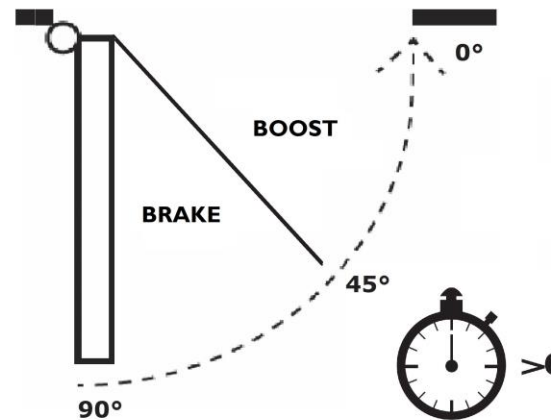
• INVERTER

The INVERTER system cyclically opposes two opposing forces:

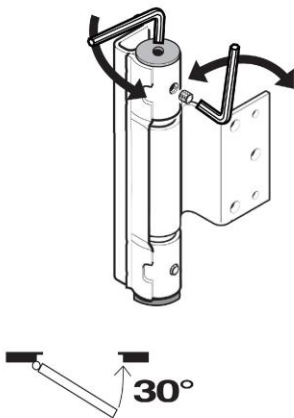
1 "BRAKE" - Between 90° and 45° the strength of INVERTER is opposed to the closing force of the spring slowing down the closing of the door

2 "BOOST" - Between 45° and 0° the strength of INVERTER is combined with the closing force of the spring, thus giving an additional boost to closing the door

The ideal speed can be found with the right balance between **SPRING** and **INVERTER**. The new EN 16034 standard for fire doors requires that the average closing speed must be less than 300mm / sec, that mean the door must take 6 seconds or more to close from a 90° opening.

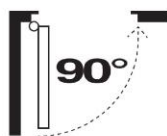


Load the spring and make sure it closes at 30° as shown in figure 8 of the instructions



Open the door and measure the closing time. To have a closing speed of 300m / sec the door must close by 90° in a time of more than 6 seconds.

If the closing time is less than 6 seconds, to reduce the speed, make the adjustments to INVERTER

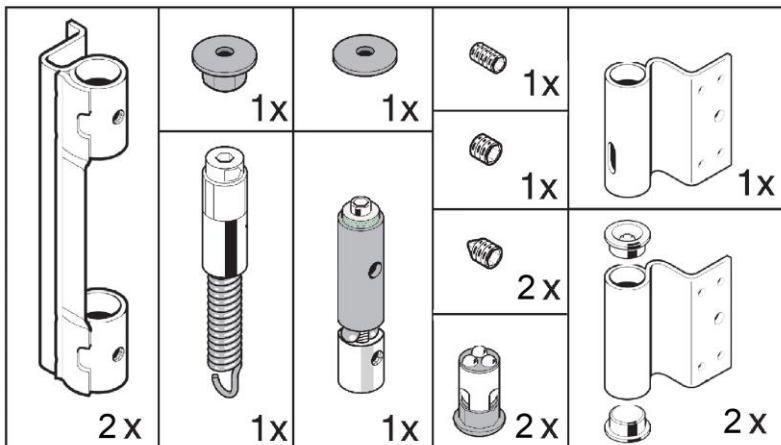
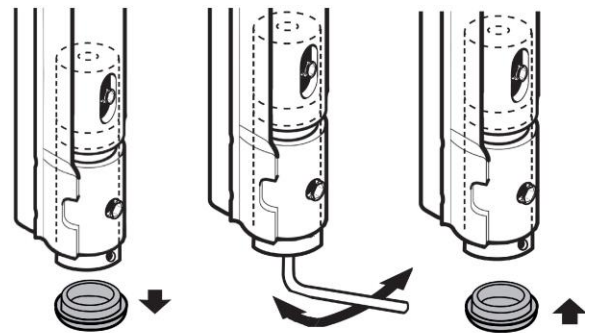


1. Remove the plastic cap.

2. Place the 8mm socket wrench on the nut over the INVERTER body. By screwing it will increase brake and thrust, unscrewing will decrease both

3. Open the door at 90° and check if the desired speed has been obtained. Otherwise, repeat the operation by also changing the spring tension.

4. When the desired speed has been found, replace the plastic cap.



CE EN 1935:2004
4 | 7 | 7 | 1 | 1 | 4 | 0 | 14

Certificato n. 0425-CPR-0789

Ente certificatore n.0425



MAGGI - Via SS. Cosma e Damiano, 55
I - 23801 Calolziocorte (LC)
Tel. +39 0341641173 - Fax: +39 0341646448
E-mail: maggi@rollmaggi.it
www.rollmaggi.com