

Series 3 Technician's Installation and Service Training Manual

Commercial Operator Standard Mounting on a hollow torsion shaft

Materials Needed

Appropriate operator for door size. (See Brochure)

Tools required

3mm Allen Key, 10mm Wrench, drill, 1/4" Drill bit, Appropriate mounting fasteners.

Remove and separate all contents from the box.

It is important to follow the steps in order to prevent misalignment of the operator.

Locate the torque arm, torque arm bolt and spacer. Attach the torque arm and spacer to the operator into a position that you consider the approximate distance to an open bolt hole on the track assembly and secure finger tight. (Figure A)

Slide the operator on the shaft and into position. (Figure B)

Check that the positioning of the Torque arm is correct. (Figure C) If necessary, slide the operator off the shaft and adjust the position of the torque arm. Reposition operator back onto shaft. Note-the torque arm should always be positioned in a horizontal manner, never vertically. (Figure D)

Secure the torque arm to the track assembly through an existing bolt hole using either the provided fastener or one of suitable size to accommodate your needs. Tighten the bolt securely into place. (Figure F)

Using the 3mm Allen wrench, tighten one of the set screws into position creating a mark on the torsion shaft. (Figure G) Loosen the set screw and unbolt the torque arm from its track position. Slide the operator out of the way exposing the score mark.

Using the 1/4" drill bit and drill, drill a small countersink into the shaft being careful not to drill all the way through the wall of the shaft. (Figure E)

Slide the operator back into position and re-secure the torque arm to the track assembly. Tighten the bolt securely into place. (Figure F)

Tighten the bolt on the back of the operator holding the torque arm to the operator.

Tighten the set screw into the countersink being mindful not to over tighten. (Figure F) Tighten the lock nut on the set screw. (Figure G) Repeat process for second set screw.

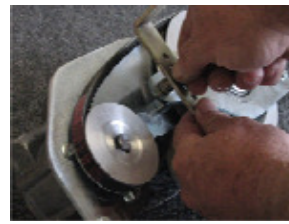


Figure A



Figure B



Figure C



Figure D



Figure E



Figure F

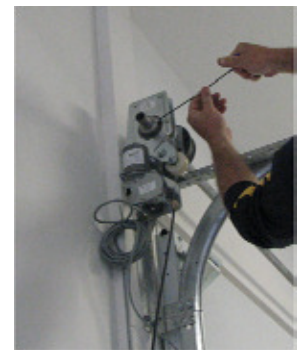


Figure G



Figure H

ZAP Series 3 Simply Logical

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