

# Series 3 Technician's Installation and Service Training Manual

## Commercial Dead Axle Sheet Door Operator Mounting

### Materials Needed

Appropriate operator for door size. (See Brochure)

### Tools required

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

Remove and separate all contents from the box.

Verify the shaft diameter is the is 1-1/4"-1-5/16" in diameter. (Figure A) If it is 1" in diameter use adapter insert PN ZA0191.

Determine hole diameter in end of barrel and select appropriate tongue for the application.

Bolt the appropriate tongue for door to the Pulley (Finger tight) (Figure B)

**For Installation on a new install door:** Install operator before installing door by sliding operator over the shaft.

Align and insert the tongue into hole located on the end of the drum.

Mark the position and slide the operator out far enough to tighten the fasteners securely. (Figure B)

Slide the operator back into position.

Position operator so that it will be vertical when door is installed. (Figure C) Note: the flat spot on the bottom of the pulley boss is designed to rest on the door support bracket.

Tighten set screws being careful not to over torque. (Figure D)

Install the door in accordance with the manufacturers instructions.

For electrical operation, it is important that the door roll (curtain) is level.

**For Retrofit Installation:** With the door fully raised and secured to prevent its unrolling, remove spring tension per the door manufacturers instructions.

On the end of the door you wish to install the opener, unbolt the curtain shaft from its support bracket.

Using a mechanical lift raise that end of the door to a height sufficient to allow half the diameter of the operator driven pulley to pass over door support bracket.

Hold the operator 90 degrees to the wall and slide the operator over the shaft and into position.

Once on the shaft and passed over the door support bracket, rotate the operator to a vertical position.

Align and insert the tongue into hole located on the end of the drum.

Mark the position and slide the operator out far enough to tighten the fasteners securely.

Slide the operator back into position.

Position operator so that it will be vertical when door is installed. (Figure B) Note: the flat spot on the bottom of the pulley boss is designed to rest on the door support bracket.

Tighten set screws being careful not to over torque. (Figure C)

Lower the door back into position, secure and re-tension the counterbalance spring per the manufacturer's instructions.

Continue with installation and tensioning of the Bowden cable. (See Bowden cable installation and tensioning sections)



Figure A



Figure C



Figure D



Figure B

### ZAP Series 3 Simply Logical

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