

PV Series Mounting Instructions

Installation

The following instructions will assist you in mounting the PV gearhead to your motor. If additional assistance is required please go to www.baysidemotion.com or call 516-484-5482 and ask to speak with an application engineer.

Parts supplied:

- PV Series gearhead with input section.
- 4 Socket head cap screws with lock washers.
- Allen wrench.

Mounting Instructions

Step 1. Remove the plastic plug from the pinion screw hole access in the rear adapter plate of the gearhead. **Fig. 1**

Step 2. Rotate the pinion until the head of the pinion screw is aligned with the pinion screw access hole.

Step 3. Insert the supplied allen wrench through the pinion bolt access hole into the head of the pinion bolt and loosen the pinion bolt.

Step 4. Position the motor vertically with the shaft pointing upward. Make sure motor shaft is clean and dry for best installation. Insert the motor shaft into the gearhead pinion. If the motor shaft has a flat, rotate the shaft so that the flat is opposite the pinion bolt. Align the motor flange mounting holes to the holes on the gearhead. **Fig. 2 Align split in bushing sleeve with split in pinion. Tighten pinion screw using supplied wrench to torque value in table below.**

Step 5. Check that the gearhead is fully seated onto the motor flange. Secure the gearhead to the motor using the 4 socket cap screws and 4 lock washers supplied. Refer to the torque specification table below. Reinsert plastic cap into pinion bolt access hole.



Fig.1

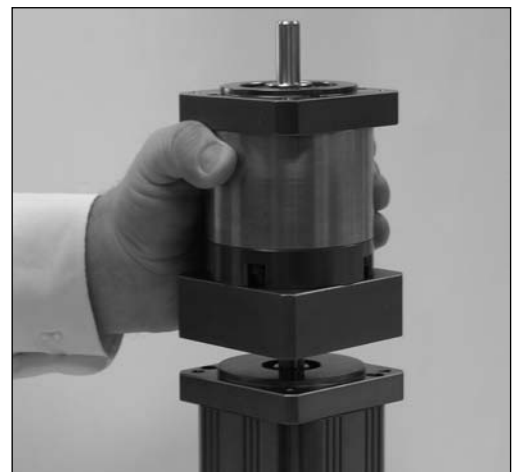


Fig.2

Screw Tightening Torques

Frame Size (mm)	Motor Shaft Diameter		Screw Size	Tightening Torque	
	mm	(inches)		Nm	(in-lbs)
40	<6.35	(<.250)	M2.5	1.21	(11)
60	5.8 - 16	(.230 - .630)	M4	4.6	(41)
90	6.4 - 16.0	(.250 - .630)	M4	4.6	(41)
	16.0 - 19.0	(.630 - .748)	M5	9.5	(84)

Note: Torques shown are minimum tightening values. Bolts can be safely tightened up to 25% higher for increased holding torques. Optionally, Loctite 242 can be applied to the threads of the pinion bolts.