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Gearhead Mounting Instructions

Featuring ... Patented ServoMount Design for Optimum Servo Performance!!!

Congratulations on your purchase of a Stealth Planetary Gearhead with the exclusive ServoMount mounting system! The following instructions will assist you in mounting the gearhead to your motor. If additional assistance is required, please call Bayside at (516) 484-5353, Monday through Friday, 8:00 am - 7:00 pm EST or visit our website at ***www.baysidemotion.com****.*

Parts Supplied

- Bayside Precision Gearhead with ServoMount option (see Fig. 1)
- Socket Head Cap Screws (4) with Lock Washers
- Allen Wrench

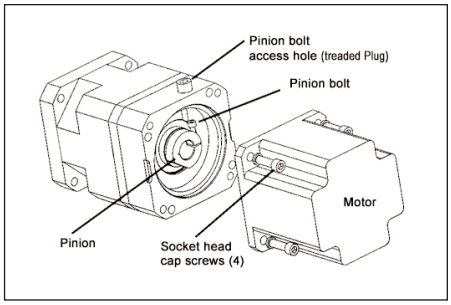


Fig. 1

Mounting Instructions

Step 1. Remove the threaded plug from the bolt access hole in the rear housing of the gearhead.

Step 2: Rotate the pinion until the head of the pinion bolt 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. This bolt should be loose. Do not tighten it. (Fig 2) NOTE: If the motor shaft has a flat, rotate the motor shaft so that the flat will be opposite to the pinon bolt.

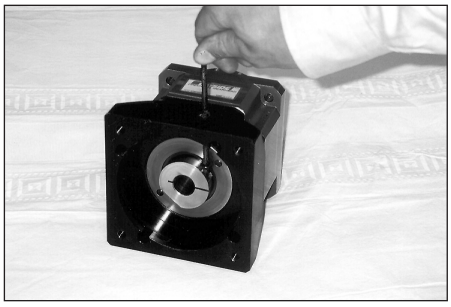


Fig. 2

Step 4. For easy mounting, position the motor vertically with the shaft pointing upward. Insert the motor shaft into the gearhead pinion. Align the motor flange mounting holes on the gearhead flange. Motor shaft should be cleaned and dried for best installation. (Fig.3)

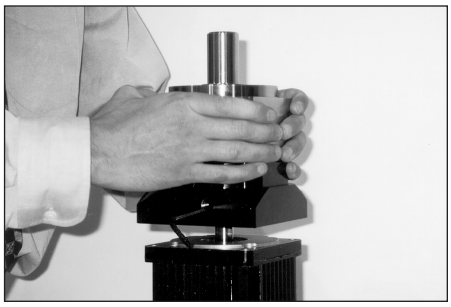


Fig. 3

Step 5. Secure the gearhead to the motor using the (4) socket head cap screws and (4) lock washers supplied. (Fig. 4)

Step 6. With the gearhead fully seated onto the motor flange, back off the (4) socket head cap screws one complete turn.

Step 7. Refer to the torque specification from the following table. Using the supplied Allen wrench, tighten the pinion bolt to the noted torque specification.

Step 8. Fully tighten the (4) socket head cap screws.

Step 9. Reinsert and tighten the threaded plug in the pinion bolt access hole.



Fig. 4

See table on reverse side for screw tightening torques.

BAYSIDE® MotionGroup

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baysidemotion.com

rev 3.0 / 203
PN: 12197018

Screw Tightening Torques

Frame Size (mm)	Motor Shaft Diameter inches	(mm)	Screw Size	Tightening Torque in-lbs.	(Nm)
40	<.250	(<6.35)	2.5	11	1.21
60	.230 - .630	(5.8 - 16)	M4	41	4.6
90	.250 - .630 .630 - .748	(6.4 - 16.0) (16.0 - 19.0)	M4 M5	41 84	4.6 9.5
115	.375 - .751 .787 - .946	(9.5 - 19.1) (20.0 - 24.0)	M5 M6	84 140	9.5 16
142	.500 - .945 1.00 - 1.379	(12.7 - 24.0) (25.4 - 35.0)	M6 M8	140 345	16 39
180	.624 - 1.378 1.496 - 1.654	(15.8 - 35.0) (38.0 - 42.0)	M8 M10	345 681	39 77
220	.945 - 1.388 1.496 - 2.165	(25.4 - 35.2) (38.0 - 55.0)	M10 M12	681 1195	77 135
300	All	All	M12	1195	135

Note: Torques shown above are minimum tightening values. Bolts can be safely tightened up to 25% higher for increased holding torques. Optionally, Loctite can be applied to the threads of the pinion bolts (use Loctite 242 for screw sizes above M6, and Loctite 222MS for screws sizes M6 and below).

Bayside offers a complete range of motion solutions including Precision Gearheads, Gearmotors, Linear Positioning Systems, Servo Motors and Amplifiers. For technical information, visit:

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