

MPI ACC4036 Planetary Gearbox

Introduction:

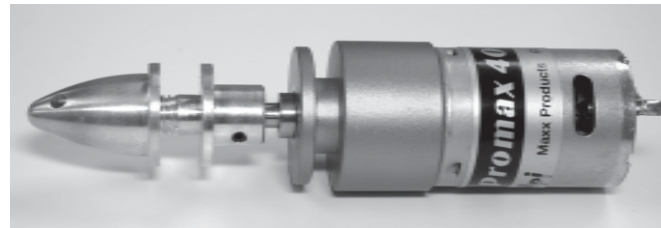
Congratulations on your purchase of the MPI Planetary Gear Box! This light weight, compact gear box is designed for Speed 400 size motors with 2.3mm and 1/8" shafts.

Key Features:

- Dual ball bearing,
- Light weight, compact design,
- 2 pinion gears included for different motor shaft sizes

Specifications:

Gear Ratio:	3.33:1
Motor Shaft dia.:	2.3mm and 3.17mm(.125")
Output Shaft:	5mm
Prop Shaft:	8mm (5/16")
Mounting pattern	16mm (motor)
Mounting pattern	19mm(.750")
Power (Max)	150W
Weight (Approx)	44g (1.6oz) 59g (2.1oz) with adapter



Installation Instructions:

The gearbox is shipped assembled but requires some final assembly. It is recommended that any threaded parts be secured with thread locker. Standard blue Loctite 242 or any removable thread locker is suitable for securing the screws that mount the backplate to the motor and the gearbox to the backplate.

1. Clean the threads on the bearing housing and backplate prior to assembly.
2. Maximum motor shaft length is 10.5mm(.410") from the mounting face of the motor. If the motor shaft is too long, it must be shortened to allow installation of the gearbox.
3. Using the correct screws mount the backplate to the motor. Be sure that the screws are not too long as this may damage the motor. Check the instructions for the motor to verify maximum screw depth. Install the backplate so it is concentric to the motor shaft. Secure the backplate with screws, using thread locker.
4. The pinion gear is installed on the motor shaft next. The supplied pinion gears are press fit. Clean the gear and shaft of dirt and oil. The pinion gear should be installed so the bottom of the gear is flush with the top of the backplate.
5. A small amount of light grease is added to the gears. Excessive amounts of grease will result in lower efficiency.
6. The plastic washer goes between the backplate and gears. Finally install the gearbox housing to the backplate. Run the motor at low power to check that everything is working well.

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