

SP5

COMPETITION BRUSHLESS MOTOR

PRECAUTIONS AND WARNINGS

- Please read the instructions before installing and operating your motor
- Avoid over gearing by monitoring motor temperature. Operating temperatures should not exceed 80C (175F)
- Be sure to use the proper size motor mounting screws
- Do not over-tighten the motor mounting screws

INTRODUCTION

Congratulations on your purchase of Reedy's Sonic SP5 Competition Brushless Motor. Thanks to input from our racing team and customers, the Reedy R&D team has developed an entirely new spec class racing motor from the ground up. This state-of-the-art design incorporates the latest performance developments along with the engineering experience that is responsible for 30 World Championship titles.

FEATURES

- CNC machined housing w/optimized air cooling
- High-power stator design
- Low-resistance solder tabs and collector ring
- Balanced rotor w/high-strength magnet
- Dual precision ball bearings
- Aluminum end cap w/adjustable timing
- Completely rebuildable
- Competition proven
- Built to ROAR/EFRA/BRCA specifications

Please read the following before installing and using your new motor.

INSTALLATION AND MAINTENANCE

- Your motor should be installed using 3mm screws with a length that does not allow the screw to extend into the motor more than 4mm. Otherwise, the screw can damage the motor's internal components.
- Do not over-tighten the motor mounting screws. Doing so may strip the mounting hole threads.
- Solder the three leads from your Electronic Speed Control (ESC) noting the A, B, and C connections. Do not allow solder to bridge the gap between each connection.
- Plug the sensor cable into the motor and ESC sensor ports.
- To clean your motor, lightly brush dirt away on a regular basis paying particularly close attention to the area around the ball bearing. Occasionally add a small drop of bearing oil. DO NOT spray cleaners or solvents into the motor.

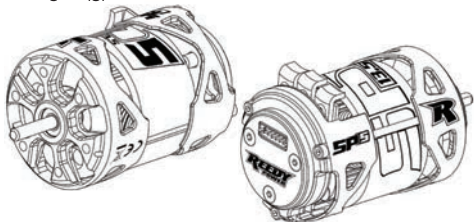
GEARING AND TIMING

The correct gear ratio depends on several factors, so it is impossible to determine an exact ratio for any particular motor. Your best option is to consult with other racers in your class or the dealer from which you bought your motor to determine a good starting gear ratio. Or you can visit www.reedypower.com for an up-to-date gearing and application chart. Reedy representatives are also available by calling the customer service telephone number on the website.

Timing can be adjusted by loosening the three screws and rotating the aluminum end cap. Rotating the end cap counter-clockwise adds timing which increases the motor's RPM. Be aware that by adding timing, motor temperatures will increase and battery duration will decrease. Motor longevity may be compromised. Those with limited motor tuning experience should leave the timing at the factory setting.

SPECIFICATIONS

Cells..... 1 - 2S LiPo
Diameter (mm) 35.9
Length (mm)..... 52.5
Shaft Dia. (mm)..... 3.15
Weight (g)..... 147 - 151



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WARRANTY

Due to the competition nature of this product, this motor is warranted to the original purchaser to be free from defects in material and workmanship at the time of purchase. Motors that have been mishandled, abused, used incorrectly, used for an application other than intended or damaged by the user are not covered under warranty. Associated Electrics, Inc. is not liable for any loss or damage, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product.

27476	Sonic SP5 Titanium Can Screws (3)
27477	Sonic SP5 Titanium Timing Screws (3)
27478	Sonic SP5 25.5T
27479	Sonic SP5 21.5T
27480	Sonic SP5 17.5T
27481	Sonic SP5 13.5T
27482	Sonic SP5 10.5T
27483	Sonic SP5 Rotor 12.5x7.15x25.8mm
27484	Sonic SP5 Rotor 12.3x7.15x25.8mm
27486	Sonic SP5 Sensor Board
27487	Sonic SP5 Steel Screw Set (6)

Visit www.reedypower.com for a complete list of tuning rotors, spare parts, and complete list of specifications.



Associated Electrics, Inc. declares that this product complies with the essential requirements and other relevant provisions of the European directive 2014/30/EU.



The crossed-out wheeled bin means that within the European Union the product must be taken to separate collection at the product's end of life. Do not dispose of these products as unsorted municipal waste.