



# Nitro 200 Quick Start Guide



**Nitro 200 Assembly Video:** <http://www.aviatorppg.com/how-to-videos.html>

**Oil:** Pre-mixed 40:1, synthetic; AMSOIL Sabre and Motul 800 are recommended.

**Fuel:** 89 Octane and above ethanol-free gasoline. AVGAS is not recommended.

**Spark Plug:** BR10ES hot weather, BR9ES cold weather. Gap set to 0.4mm, recommended replacement every 10 hours.

**Carburetor Settings:** Carburetor settings are tuned from factory. Default mixture composition screw settings are as follows:

**LOW:** Unscrewed 3/4 turn from closed position (45° – 50° of the clock face).

**HIGH:** Unscrewed 1 ¼ turn from closed position (1, 10' – 1, 15' of clock face).

**Idle speed:** 2100 - 2200 RPM

**Max RPM:** 7400 RPM

**Break-in Procedure:**

- 1) 2 minutes initial idle, 1 minute at 10-20% power, 2 minutes at idle, 1 minute at 30-40% power, 2 minutes at idle, 1 minute at 50-60% power, 2 minutes at idle, 70-80% power for 1 minute, idle for 2 minutes, 80-90% power for 1 minute, idle for 2 minutes, *no more than* 30 seconds full power, idle for 2 minutes.
- 2) Shut off motor and let sit for 15-30 minutes, or until cool.
- 3) Repeat process for a total of 3 cycles.

**Electric Start Nitro Battery Information:** Charge both batteries prior to use with provided charger. If battery appears to be losing power during operation, charge before next use to extend life of battery. Avoid operation below 20%, as running the battery dead will prevent further use.

**Hang point Locations:** Approximate settings from the end of the swing arm bar to the bottom edge of the hang point collar are recommended as follows:

140-160 lbs.	160-180 lbs.	180-200 lbs.	200-220 lbs.	220-240 lbs.
6.5 in.	6 in.	5.5 in	5 in	4.5 in

*Always perform a hang test to verify a static lean angle of 15-20 degrees.*

**Primer Bulb Installation:** See (<http://www.aviatorppg.com/how-to-videos.html>)

**Belt Tensioning Procedure:** See (<http://www.aviatorppg.com/how-to-videos.html>)

**Torque Specs:**

**Head Bolts:** 10 Ft Lbs. (verified every 10 hours).

**Spark Plug:** 18 Ft Lbs.

**Propeller:** Hand-tight with Allen Key using a cross pattern.

**Contact:**

Aviator Paramotor

Phone: 863-272-9907 or 251-716-6304

[Eric@AviatorPPG.com](mailto:Eric@AviatorPPG.com) [Travis@AviatorPPG.com](mailto:Travis@AviatorPPG.com)

[Kyle@AviatorPPG.com](mailto:Kyle@AviatorPPG.com) [Jon@AviatorPPG.com](mailto:Jon@AviatorPPG.com)

*This quick-start guide intended to assist new owners in the expedient set-up of new motors. For further information, please reference the Nitro 200 Owner's manual, or contact Aviator Paramotor for further assistance.*