

Nitrotec Settings

Elevation: Sea Level – 500ft

Ambient temperature: 70-80°F

Fuel: 30% Nitrotane

Glow Plug: Nitrotec #6

Head Shimming: Remove 0.10mm shim, leaving two 0.30mm aluminum, one 0.20mm copper shim.

Venturi: 6mm (use 7mm for larger tracks). Going to a smaller venture will improve throttle response but decrease straightaway speed.

Pipe: Orion Truhe EFRA 2013 or Novarossi 9901

Flywheel: Aluminum

Clutch: 2 aluminum shoes with gold springs & 2 composite shoes with green springs

Gearing: 13/48 (13/46 for larger tracks or loose lower grip tracks)

Typical operating temps (buggy): 220-245°F

Other Notes:

- 1) Power will increase until motor is fully broken in around the 2 gallon mark.
- 2) Turn carburetor slightly to allow clearance to center diff mount.

Factory Needle Settings (Rich for Break-in)

High Speed Needle: 0.50mm out from flush

Low Speed Needle: 0.70mm out from flush

Idle Gap: 0.50mm (between slide and venture)

Race setting example (after proper break-in and using above pipe, fuel, plug, head clearance etc)

High Speed Needle Settings: 0.40mm in from flush or 2 ¾ turns out from full closed

Low Speed Needle setting: 0.60mm in from flush

Idle Gap: 0.50mm (between slide and venture)