

Quickstart Guide

Before Starting



Failure in safety checks may result in personal injury.

- **Wear safety glasses or safety shields** when operating an engine
- **Keep fire risk objects (including cigarettes) away** from the engine and fuel supply system
- **Any persons not operating the engine are required to be 6 meters away** minimum to prevent loose engine part injury
- Prevent the risk of gas poisoning by **operating the engine in an outdoor area** with sufficient ventilation
- **Keep body parts, glow plug clips, and booster cables away from spinning tires, propellers, flywheels and gears** to prevent severe injury and damage
- **Never touch the engine while it is running, or immediately after stopped.** High heat may cause burns
- Cranking the engine while it is not in operation may restart it even without plug heating
- Check throttle linkage connections before running
- **Do not operate an engine alone.** Have an experienced person nearby to recognize emergency situations

Fuel



Fuel is highly flammable. Store in areas away from spark risks, high temperatures, and reach of children. Wash with soap and water if skin contact occurs. If ingested, immediately consult medical treatment from a doctor.

Use high quality fuel with:

- 20% lubricant
- 15-30% nitro-methane by volume ratio

-  Increasing nitro-methane provides more power and advances plug consumption, shortening engine life.

Glow Plug

 **When checking electric conduction, use a tool or clamp to handle the plug.**

Recommended glow plugs for this engine for optimal performance and reliability:

- TEAM INFINITY Silver and Gold
- Nova Rossi
- O.S No.8
- ENYA No.3 and No.4

Air-Filter

 **Do not run the engine without the air-filter.**

The air-filter protects the engine from dust/particles to increase lifespan of the engine. Choose high quality air-filters and perform maintenance frequently.

Break-in and Engine Adjustment

 **Do not touch the spray nozzle.**



1. Set engine in the model car body.
2. Start the engine following instructions in the manual.
3. Turn the main needle valve counter-clockwise without stalling the engine and open it towards full throttle of the engine.
4. Continue opening the main needle valve and run the engine with 2 tanks of fuel.
5. Run the car using 3 tanks of fuel while gradually throttling the main needle clockwise to find optimal needle position.



Optimal needle position will be found from 3 and $\frac{3}{4}$ revolutions to 4 and $\frac{1}{2}$ revolutions counterclockwise from the fully closed position.