

## Helpful advice:

1. Do not dismantle the engine unless you have experience to do so and know what you are going to do.
2. Fix the related parts like engine mount, flywheel, clutch system, manifold, air filter...etc that come with the car kit before starting the engine.
3. Running in. Our engine requires 2 stages of running in of about 25-30 minutes 1<sup>st</sup> stage, cool break-in. By using fuel content 5% of Nitro, open (turn counter clockwise) the main needle 5 to 6 turns with carburetor fully open, keep the engine running at certain R.P.M.

Engine temperature remains at 35 to 40 degrees C, carburetor will turn cool & sweat. After using 500cc(about 3 to 4 tanks) of fuel, proceed to the 2<sup>nd</sup> stage-hot break in. Place the car on the ground and run slowly with 1 to 2 tanks of fuel. After running in, use the fuel that you desire (from 5 to 25% of nitro), close the main needle 1/8 turn at a time to get the top performance. Engine operation temperature should not exceed 140-150 degrees C. In case of using fuel content more than 25% nitro.  
0. 1mm gasket should be added into underside of the combustion chamber.

**Note:Always starts your engine in well-ventilated place.**

4. Fuel. Good performances and life of the engine depend on the type of fuel use, choose branded & good quality fuel.
5. Air Filter. Foam filter should be pre-oiled by proper oil before use.
6. After playing your car, any fuel remained in the fuel tank should be drained dry.
7. Before you get your car started, always turn ON your control unit (Transmitter) first then the car's power, after played switch OFF the car first then the control unit.
8. Precaution. Do not touch the heatsink when the engine is running, it generates high heat. Keep out of reach of children.

**HAPPY RACING & HAVE FUN...**

**HO BAO ENTERPRISNG CO., LTD.**



# ENGINE INSTRUCTIONS

## *Hyper 21 Instruction*

Congratulation you have chosen one of the best competition engines in the market.

Hyper 21 is the result of many hours of research by our R&D department and manufactured in our well equipped with state-of-art CNC machinery, top grade professional components, many years of experience and modern precision engineering techniques.

It will always give you great satisfactions.

### **Technical Data:**

Cylinder/piston	: ABC
Cubic Capacity	: 3.49cc
Bore	: 16.26
Stroke	: 16.8
Weight	: 350g

