

Quickstart Manual for Nitro Cars

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The Monstercars team

Important Steps

Before you can drive your nitro car at full speed you need to give the car some time to "warm up" to ensure that it has a longer lifespan and to make the engine's performance as good as it can be. This is VERY IMPORTANT, when you don't do this and start driving at full speed right away, you risk jamming the engine or even permanently damaging it.

1. First you need to place batteries into the car, the igniter and the transmitter. It's very important to use full and powerful batteries, especially for the transmitter. If the transmitter batteries die, the car will just keep going without you having any control over it, so be careful. This is only the case for 27MHz cars, cars with a 2.4GHz transmitter will stop automatically if the signal is lost.
2. It is also VERY IMPORTANT to charge your igniter for 7 hours if you got one. These are delivered without any charge inside so you can't use it until you've charged it.
3. Fill the fuel tank and ONLY USE NITRO fuel, other fuels won't work and could damage the engine. This fuel is available at different concentrations. A higher concentration will make your car go faster but it will also shorten your engine's lifespan. Even though the manual advises the use of 35%, experience has taught us that it's best to not go higher than 16%!
4. Now take out the airfilter and turn on both the transmitter and the car. Look into the airfilter and adjust the bottom trim button on your transmitter so that the opening is about 2mm without accelerating.
5. Put the airfilter back and place your finger over the exhaust hole. Keep this sealed and pull the pullstart as long as needed to get the fuel into the carburetor.
6. Take your finger off the exhaust and place the glowigniter on the glowplug and make sure it's connecting.
7. Now you can pull the pullstart until the engine gets going, this may take some time. Be careful not to pull too far, short and fast pulls are best to avoid damaging the pullstart. If the engine doesn't start and the noise doesn't gradually change, accelerating a little bit a few times using the transmitter can help the process along.
8. If the engine doesn't start you need to check whether the glowigniter and glowplug to see if the plug is actually glowing. You can do this by removing the glowplug and attaching it to the igniter.
9. When the engine is running and you want to turn it off, simply fold the fuel hose. This cuts off fuel getting to the engine and it will stop in a few seconds.
10. If the car doesn't start because the engine is still cold do the following: Make short pullstart motions and have someone else accelerate with the transmitter for a little bit to get a lot of fuel and air to the engine quickly.
11. When the engine is running you need to trim it using the remote so that it runs while stationary and if you pick it up the wheels need to **BARELY SPIN OR NOT AT ALL**. Place the car on something so that the wheels can freely spin and in this stationary position have it empty an entire fuel tank of nitro fuel. Make sure the car is **SECURELY FASTENED** so that it can't fall from the engine making it shake.
12. When the first tank is empty, fill it again and now empty out 4 tanks by driving VERY slowly, do this on a paved surface and not on rough terrain because of the resistance this would give to the car, this is harder on the engine. With every tank you can make the car go a bit faster but don't go beyond half opening the throttle and definitely DON'T fully accelerate even for a short period of time, this could be disastrous for the engine.
13. After all 5 tanks have been emptied you can slowly increase your speed to get to the top speed.
14. Always drive your car in an open space with no obstacles to prevent crashes and damaging the car. The car is quite heavy so even a collision at slow speed can cause damage.

Factory settings HSP/Himoto/Maverick 1/10 Nitro model:

- High speed needle: 3 x 360 degrees from being closed all the way (so 3 x all the way around), this is the biggest needle on the engine carb.
- Low speed needle: 3 x 360 degrees from being closed all the way (so 3 x all the way around), this is the needle on the side of the engine carb.
- If the rpm of the engine is too high or too low when it's stationary and the air filter opening is about 1mm then you can adjust the stationary setting using the needle under the airfilter. Open the needle further if the rpm is too high and close it if the engine stalls (with the right setting of the high speed needle and air filter opening of 1-2mm).

If you have any more questions or you want to order parts, check our website www.monstercars.co.uk or contact us.