



Hobby & Engineering Supplies Pty Ltd

**Hobby Supplies
Engineering Supplies**

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**Nitro Engine
Starting
Problems**

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NITRO ENGINE STARTING PROBLEMS

If you are having difficulties starting your Nitro engine and getting frustrated because nothing seems to work, try the following trouble shooting tips. Always remember to consult any instructions or directions that came with your car first.

The first thing to check is that you have the right fuel in your car. The most common problem for beginners is that they try to use a more powerful fuel than is recommended by the manufacturer in an attempt to gain more speed & power. Engines and carburetors are designed to use a certain grade of fuel, and any deviation from that leads to starting and tuning faults. Only use a higher grade Nitro fuel if you are ready to re-tune the engine and be prepared for extra wear. If you do change fuels, keep using the new type or your car will become unreliable. If the box says to use 16 Nitro fuel, then you should use it!



If the engine is still having difficulty starting, the next item to check is your glow plug. Is it getting hot enough to ignite the nitro fuel? A faulty glow plug or a flat glow starter will mean no starting! Take the glow plug out of the engine, plug it into your glow starter and check that the glow plug shines nice and bright orange. If it doesn't glow then you could have a faulty glow plug or a flat glow starter. Always keep your glow starter charged and a spare glow plug in your tool box.

If your engine still won't start, check to see if it is getting fuel. Is there fuel in the tank? Next, look inside the engine. We do this by pulling the air filter out looking into the carburetor. Make sure to place the air filter some place clean. Push the fuel tank primer and you should see nitro fuel going in. If you don't, there's an air leak in the system. Check the fuel tank and pipes and order any spare parts required.

The next check is the air filter. Is it blocked? Give it a good clean and re-oil with cleaner and air filter oil.

If the motor still won't start you'll have to put the carburetor back to factory settings and follow your engine's set up guidelines.

If you still can't get it started, the clutch bearing may be broken. This is the part that makes the engine turn in the right direction. Take out the glow plug, look into the cylinder head and slowly pull the pull-start or operate your roto-start. If it doesn't move the piston, it's broken.

Failing all of the above, you may need to bite the bullet and purchase a new engine.



INFORMATION SHEET
www.hobbyparts.com.au