Using Nitrous Oxide

Where do I get my nitrous cylinder filled?

Most all high performance shops and retail speed shops have the capability of filling your nitrous cylinder. **WARNING: Do not ever ask someone to overfill your cylinder so that it will last longer. This is extremely dangerous and will hinder the performance of your nitrous system. Read the cylinder label for proper filling weights and handling instructions.**

How much use can I get out of my cylinder before it must be refilled?

The only way to tell how much nitrous is left in your cylinder is to weigh it. A pressure gauge does not tell you how much nitrous is in the cylinder! On average, a nitrous system uses 8 pounds per minute per 100 hp. It is not recommended to try to use more than 8 pounds out of your 10 pound cylinder. So it should be refilled if the weight is below 17 pounds. To figure how many seconds of activation time you have per cylinder use the following equation:

$$\frac{60}{\text{Nitrous h.p.} / 100}$$

Should I heat my nitrous cylinder?

Your nitrous system is designed and calibrated for the nitrous cylinder pressure to be 850-1000 p.s.i. These pressures are generally met with ambient temperatures, between 85 and 90 degrees. Your cylinder should never be kept in direct sunlight for long periods of time, because it may overheat or rupture the safety blow off disc, located in the cylinder's valve. If you live in an extremely cold climate you may choose to heat your cylinder to temperatures between 85 and 90 degrees, using approved cylinder heating devices, such as a Speedtech 12 volt or 110 amp bottle warmers, a warm water bath, a heated air box, or simply letting it sit in the sun for a little while. **WARNING: An open flame is not the correct way to heat a cylinder, because this will weaken the cylinder and can cause the cylinder to explode, resulting in serious injury or death!**

How should I handle my nitrous cylinder?

Your nitrous cylinder should be handled with great care. Never drop or scar a cylinder. If you accidentally damage a cylinder or are in question of its integrity, it should be emptied and tested by a certified cylinder company before being reused. **WARNING: Any damage to a high pressure cylinder could cause the cylinder to explode, resulting in serious injury or death!**

Can I change the horsepower level of my nitrous system?

Yes! The horsepower generated by your nitrous system is regulated by the jets in the nitrous nozzle. Follow your tune up sheet and what it calls for as far as jet recommendations for your application.