



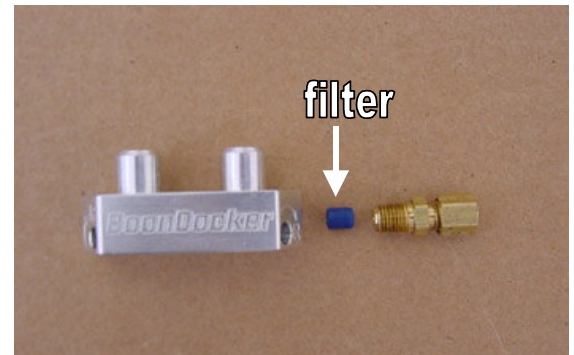
BoonDocker Nitrous Manifold Set-Screw Instructions

It is possible to increase/decrease the amount of nitrous the nitrous manifold sprays by inserting or removing the small set-screws inside the stem. A total of 6 orifice holes can be sprayed.

Read this before you increase nitrous!

Be sure your engine is working good before you decide to increase the amount of nitrous. If you are not getting the power increase you are expecting with the original setup, something is likely wrong. Review the manifold tuning procedure and verify that you can tune the manifold so you know there is too much fuel. From there, if leaning the manifold mixture screw does not produce an increase in power, one of the following problems may exist:

1. Be sure your bottle is full, at the correct temperature (70-90 deg), and positioned correctly so the valve picks up liquid nitrous. The system will not work properly if nitrous vapor is being picked up or the bottle is too cold.
2. Your engine could be detonating. Detonation can occur if your compression ratio is high, your timing has been advanced, or you are not using good octane fuel. Listen carefully to the motor - if it does not sound clean and you are not too rich, you are likely detonating.
3. A bad power source or faulty electrical connection may cause the nitrous system to malfunction intermittently. Carefully check all connections.
4. Dirty nitrous can quickly plug the small filter inside the nitrous manifold. A small blue filter is located behind the brass compression fitting on the side of the manifold. Remove this fitting, inspect the filter, and replace if necessary. Always fill your bottle from a filtered source.



Installing / Removing Set-screws

1. Remove and disassemble the nitrous manifold.
2. Use the supplied hex wrench to carefully remove/install a set-screw. Be very careful not to strip the threads.
3. If you want to increase nitrous delivery, only remove one set-screw at a time!
4. Retune the nitrous manifold according to the installation instructions. Anytime the orifices are changed, the nitrous manifold pressure will change so retuning is necessary.

