



**BoonDocker Synergy Series™
Adjustable Carbureted
2000 Manifold
Installation and operation instructions**



Before you begin, please read all the instructions below and check kit contents.

Kit Contents:

Quality check by: ____

- ___ 1-Synergy Series™ Nitrous Regulator
- ___ 2- Synergy Series™ Nozzles 5 Hole
- ___ 1- 1/8 NPT x 1/8" OD compression fitting for regulator
- ___ 1- 1/16 NPT x 1/8" OD compression fitting for nitrous manifold
- ___ 1- 14" Poly Line

I. Theory of Operation:

With Synergy Series™ technology it is now possible to regulate, and maintain, a consistent nitrous pressure to the nitrous manifold. This is accomplished by regulating the maximum nitrous pressure, to a range below cold bottle pressure. This allows the nitrous system to perform consistently, regardless of bottle temperature, and pressure.

Consistent nitrous pressure is achieved with one of two Synergy Series™ nitrous regulators. A fixed (non-adjustable) regulator delivers a consistent maximum nitrous pressure to the nitrous manifold. The amount of nitrous (horsepower) delivered to the engine with a fixed regulator, can be adjusted by changing the nozzle size in the nitrous manifold.

An adjustable nitrous regulator delivers a consistent maximum nitrous pressure when adjusted at the highest setting. This pressure can then be adjusted from maximum to zero pressure and any pressure in between by simply turning the knob on the end of the regulator. This allows the tuner to adjust the amount of nitrous (horsepower) delivered to the engine by turning the knob on the regulator.

The BoonDocker Synergy Series™ nitrous manifold can sense regulated nitrous pressure and automatically adjust fuel, according to nitrous pressure.

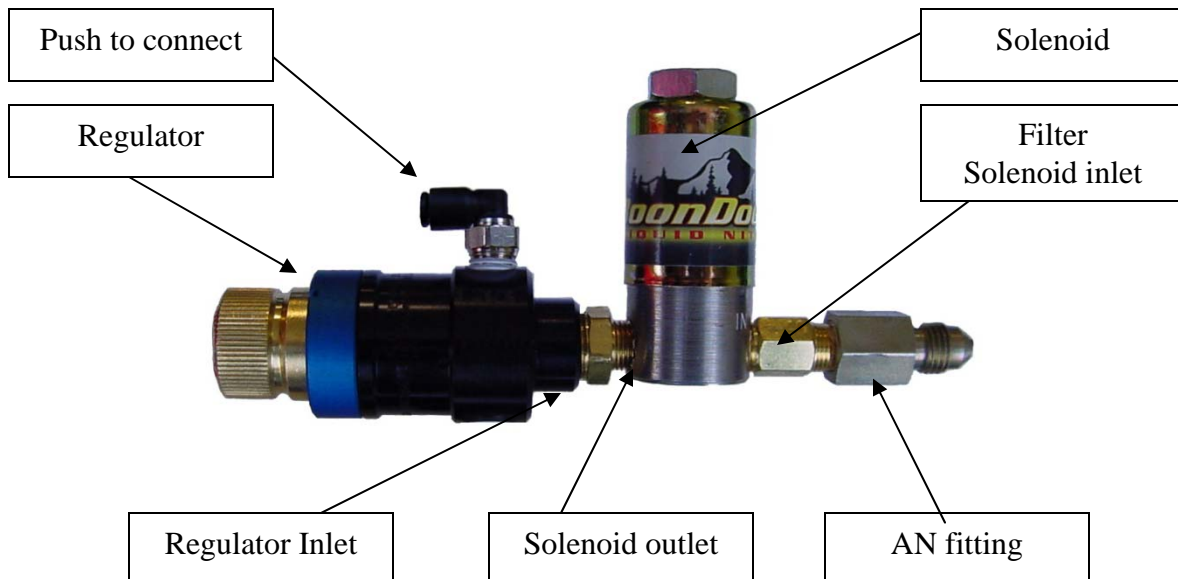
II. Regulator Installation:

A. Disassemble solenoid assembly

1. Remove solenoid assembly from vehicle
2. Remove push to connect from the outlet side of the nitrous solenoid.

B. Reassemble solenoid assembly and regulator

1. Install regulator inlet to solenoid outlet
2. Install push to connect to regulator outlet port (port with the large hole at the top of the port)
3. Reinstall solenoid and regulator assembly to vehicle



Note: Use teflon tape on threaded connections. **Be careful not get tape inside system!**

III. Update Manifold:

A. Disassemble nitrous manifold

1. Remove manifold from air box
2. Remove old (black) nozzles

B. Reassemble nitrous manifold

1. Install new (white) nozzles (make sure threads are free of debris, be careful do not over tighten nozzles, just snug)
2. Reinstall manifold to air box



Original
manifold



Disassembled
manifold



Updated
manifold

Note: The new (white) nozzles have enlarged nitrous delivery holes, designed to be used with a Synergy Series™ nitrous regulator only. Use of this nozzle without a BoonDocker Synergy Series™ regulator may cause engine damage.

Warning: your new Synergy Series™ nitrous system is capable of delivering more nitrous than your conventional BoonDocker nitrous system!

The new Synergy Series™ adjustable nitrous system is capable of delivering 70+ horse power, through one updated 2000 manifold. The conventional BoonDocker Nitrous system is only capable of delivering up to 50 horse power, through the original 2000 manifold. ***Some engines may not be able use this large amount of nitrous, without causing engine damage.*** It is up to the tuner to determine how much nitrous any one particular engine can use, safely and effectively. You can limit the maximum amount of nitrous your system is capable of delivering by using selective Synergy Series™ nozzles. If you have any questions or concerns regarding the amount of nitrous you can deliver safely to your engine please contact BoonDocker at www.boondockers.com or contact your local BoonDocker Dealer.

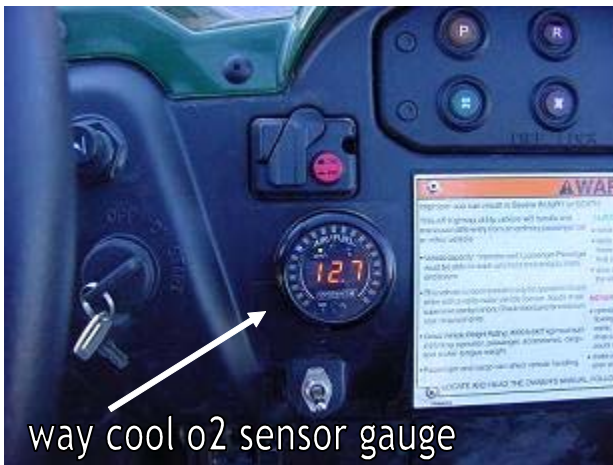
IV. Using Your Synergy Series™ Adjustable Regulator:

Once your Synergy Series™ adjustable regulator and updated manifold has been installed, you will be ready to test and tune your upgraded nitrous system. Use the following procedure to properly tune your nitrous system.

- A.** Adjust your regulator to the off position by turning the knob to the right (be sure not to over tighten the knob and damage the regulator). Then turn it back to the left ½ turn. This is the best position to start testing you nitrous system.
- B.** Test you nitrous system and adjust the nitrous manifold accordingly (you may want to refer to the tuning section of your nitrous kit installation instructions).
- C.** Once you have verified the nitrous manifold is tuned correctly, at ½ turn, you can turn the nitrous up. It is recommended that you turn the regulator up in ½ turn increments, checking at each adjustment to be sure the system stays tuned correctly with every adjustment.
- D.** When you have confirmed the nitrous system stays tuned correctly throughout the adjustment range of the regulator, you can adjust the nitrous delivery according to your own specifications.



Tune with confidence:



An oxygen sensor and gauge can make tuning your ride on and off nitrous a snap.

- Jet accurately with confidence.
- Fine-tune on and off nitrous for optimal performance and engine reliability.
- Monitor engine on and off nitrous and know you're tuned correctly every time you ride.

(For more information contact BoonDocker)
(208) 542-4411
www.boondockers.com

Warranty, Terms & Conditions

Returned Goods – No merchandise will be accepted without prior approval. A RMA number (Return Merchandise Authorization) provided by Boondocker is required before a return will be accepted. A 20% handling and restocking charge will be applied to returned merchandise. No unauthorized returns will be accepted.

Limited Warranty – Boondocker warrants its product to the original purchaser against workmanship defects for a period of 90 days, commencing from the date of product delivery to the Consumer.

Maximum Liability – The maximum liability of Boondocker in connection with this warranty shall not under any circumstances exceed the price of the product claimed to be defective.