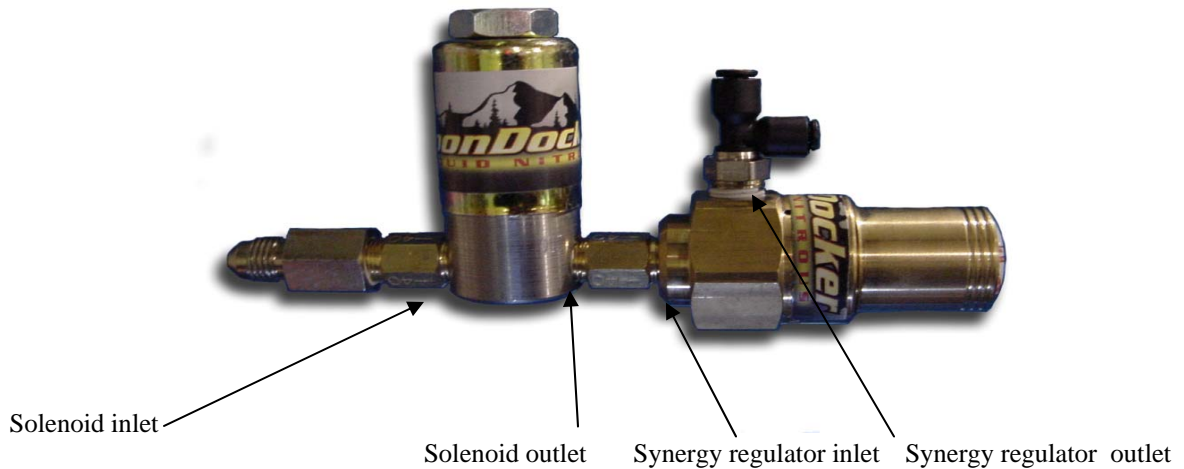




## Boondocker Fixed Synergy Series™ Regulator Carbureted

Installation and operation instructions



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

Kit Contents:    Quality check by: \_\_\_\_

- \_\_\_\_ 6 - Synergy Series™ nozzles 1- 3 hole 1- 4 hole 1- 5 hole or as needed
- \_\_\_\_ 1 - Synergy Series™ Fixed Nitrous Regulator
- \_\_\_\_ 1 - 1/8 to 1/8 male NPT fitting
- \_\_\_\_ 1 - 1/8 NPT x 1/8" OD compression fitting
- \_\_\_\_ 1 - 1/16 x 1/8" OD compression fitting for manifold
- \_\_\_\_ 1 - 14" of black 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 a fixed (non-adjustable) regulator, delivering 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.

## II. Synergy™ Regulator Installation:

### A. Disassemble solenoid assembly.

With solenoid assembly removed from vehicle:

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

### B. Reassemble solenoid and Synergy™ regulator.

*Use Teflon thread tape to seal the threads, being careful not to contaminate the inside of these fittings.*

1. Install 1/8 to 1/8 male NPT fitting into the outlet side of the solenoid.
2. Install 1/8 to 1/8 male NPT fitting into the inlet (bottom) of the Synergy™ regulator.
3. Install push to connect into the outlet (side) of the of the Synergy™ regulator.
4. Reinstall Solenoid and Synergy™ regulator assembly.

### Installing / Removing Nozzles

1. Remove the nitrous manifold from the air box.
2. Use a 7/32" hex wrench to carefully remove the old nozzle/install a new white nozzle. Be sure the o-ring is still in place before threading in a new nozzle. Be very careful not to over tighten the plastic nozzle – it needs to be just snug.
3. Retune the nitrous manifold according to the instructions Anytime the orifices are changed, the nitrous manifold pressure will change so retuning is necessary

**Caution:** Do not interchange white nozzles with the standard black boondocker nozzles as extreme lean conditions will occur on a non regulated system.



## 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.