

# NitrousWorks MaxPak Bottle Heater Kits



## INSTALLATION AND TUNING INSTRUCTIONS



**Part # 16032 (For bottles using -6AN Feed Lines)**  
**Part # 16034 (For bottles using -4AN Feed Lines)**

The NitrousWorks MaxPak Bottle heater kits are designed to keep your bottle at optimum operating pressure for closed course controlled racing events. This will aid in your consistency and tuning. This kit is designed to work on 5, 10, 15 and 20 lb bottles.

### PLEASE READ THESE INSTRUCTIONS THOROUGHLY.

If you have any questions please contact our technical department at (706) 864-8544

### INCLUDED IN THIS BOX

In this package you will find:

- 1- NitrousWorks MaxPak Bottle heating element
- 1- Pressure adapter (-4AN, or -6AN depending on your kit)
- 1- Pressure transducer
- 1- Heavy Duty Relay
- 1- Relay wiring harness with connectors

- 1- Toggle switch
- 1- Pressure Safety Pop-off valve
- 1- Pop-off tube

### INSTALLATION

Start by removing the standard pressure safety pop-off valve from the bottle. **NOTE: THE BOTTLE MUST BE EMPTY TO DO THIS.** Now screw in the pop-off valve supplied with this kit into your bottle. If your bottle does not have an 1/8" female pop-off port, but a male port you will need to purchase Nitrous Works pop-off part # 16021. Make sure the adapter is tight.

Next, install the inline adapter (either -4AN or -6AN, depending on which kit you ordered) onto the bottle nut. Now install the bottle into the bottle brackets.

Install the MaxPak heating element around the bottle using the straps on the element. It may be necessary to relocate the bottle brackets so they do not make contact with the element. Make sure the element does not touch anything other than the bottle.

Now you should install the supplied pop-off tube to the pop-off valve. This tube will need to be carefully bent to avoid kinks so that if the pop-off is activated, the nitrous is vented outside of the vehicle. It is imperative that the nitrous have a restriction-free exit.

Wiring: As all wiring procedures, disconnect the battery before starting. Follow the attached wiring diagram. Feed the supplied toggle switch with keyed on (active only when vehicle power is on) 12 volts. From the switch, run a wire to pressure transducer mounted on the bottle, and from the transducer to the Yellow wire feeding the



1450 McDonald Rd., Dahlonega, Georgia 30533

#86 post on the relay. Mount the relay near the bottle heater. Wire the Red wire (#30 post) on the relay directly to the battery. Wire the Black wire (#85 post) on the relay to a good chassis ground. Wire the Orange wire (#87 post) on the relay to one of the wires on the MaxPak heating element. Run the other wire from the element to a good chassis ground. Now you can reconnect your battery power and you are ready to use the system.

**NOTES:**

- Never operate the system if the bottle valve is closed. The pressure transducer must have the valve in the open position and with bottle pressure to operate.
- Avoid making contact with the heating element. It is extremely hot and can cause burns.
- Do not operate the heater if it is not installed on the bottle. This may burn out the element.

- Do not use the system if it is incorrectly wired.
- Do not use this system if the bottle is less than 1/2 full. Once the bottle drops below 1/2 full it should be refilled to maintain optimum performance.
- This system is designed to keep your bottle between 900 & 1000 PSI. Do not use the heater if your bottle is over 1000 PSI. If the pressure ever goes over 1100 PSI, immediately turn the heater off.

**For further questions, please contact our technical department at (706) 864-8544.**

