

BOTTLE HEATER INSTRUCTIONS

PN 15937, 15939, 15940 & 15941

With over 60 square inches of heating area, it will keep your bottle at the correct pressure under the most demanding conditions. Nitrous Express's heater one of the few that is controlled by internal bottle pressure, not by temperature. Your bottle heater will begin to heat when bottle pressure drops below 950 PSI and will turn off at approximately 1050 PSI, the ideal bottle pressure for you NX system. **DO NOT** use any sealer on flare connections, hose, or bottle connections. Use no other sealing compounds or Teflon tape on these types of connections. Use the red liquid NX thread sealer on all pipe thread connections. All Threads must be clean and dry before applying NX thread sealer, apply only enough sealer to wet the threads, too little is better than too much. Excessive tightening of parts is not necessary, snug is enough.

SAFETY TIPS

While this product may seem simple and straight forward, there are several cautions that must be observed for safe reliable performance:

1. NEVER OPERATE YOUR HEATER WITH THE BOTTLE VALVE IN THE CLOSED POSITION. THE PRESSURE TRANSDUCER CANNOT SENSE THE INTERNAL BOTTLE PRESSURE WHEN THE VALVE IS CLOSED!!!
2. NEVER TOUCH YOUR HEATER WHEN IT IS OPERATING. THE SURFACE TEMPERATURE MAY REACH 400 DEGREES.
3. NEVER OPERATE YOUR HEATER UNLESS THE HEATING ELEMENT IS INSTALLED ON THE NITROUS BOTTLE, TIGHTENED FIRMLY AND COMPLETELY FLAT. IF YOU DO NOT OBSERVE THIS CAUTION ELEMENT BURNOUT WILL RESULT! THIS IS NOT COVERED BY WARRANTY!!
4. DO NOT ATTEMPT TO OPERATE THE HEATER WITHOUT THE HEAVY DUTY RELAY PROPERLY INSTALLED, PER THE WIRING DIAGRAM. FAILURE TO DO SO WILL RESULT IN PREMATURE PRESSURE TRANSDUCER FAILURE.

WIRING THE BOTTLE HEATER

1. Disconnect the battery ground cable.
2. Install the heater element on the nitrous bottle, being sure the element is square and flat with the bottle surface.
3. Install the pressure transducer on the bottle outlet nipple.
4. Connect either wire from the heater element to a ground source, usually the bottle bracket if it is mounted to the vehicle chassis or body.
5. The heavy-duty relay should be mounted as close to the heating element as practical.
6. Connect the remaining element wire to the green lead from the relay wire harness.
7. Connect the black lead to the battery positive terminal.
8. Connect the Red wire to one side of your heater transducer. The other terminal will connect to the toggle switch's ACC terminal using the 18gauge blue wire supplied with your heater. The toggle switch must be grounded and connected to a 12-volt source controlled by the ignition switch. (Refer to the wiring diagram if further help is needed.)
9. Check all wiring circuits for correct routing and confirm all connections.
10. Reconnect the ground cable.
11. Your "NEXT GENERATION" bottle heater is now ready for use!

(NOTE: The heater will not come on unless the bottle pressure is below 900 PSI and will not automatically turn off until the bottle pressure is approximately 1050PSI.)

