

Read all Instructions before beginning!!!!

Caution – EXTREME DANGER – Caution

Do not use or mix any other manufacturer's products with any Nitrous Express products.

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THESE INSTRUCTIONS APPLY TO NITROUS EXPRESS PRODUCTS ONLY!

FOR SANCTIONED RACE USE ONLY - NOT FOR SALE OR USE IN CALIFORNIA

PN 15937, 15939, 15940 & 15941

Nitrous Express's heater is 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 your NX system. Use the NX thread sealer on all pipe thread connections (such as the bottle heater transducer switch). 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. DO NOT use any sealer on AN flare connections, hose, or bottle connections.

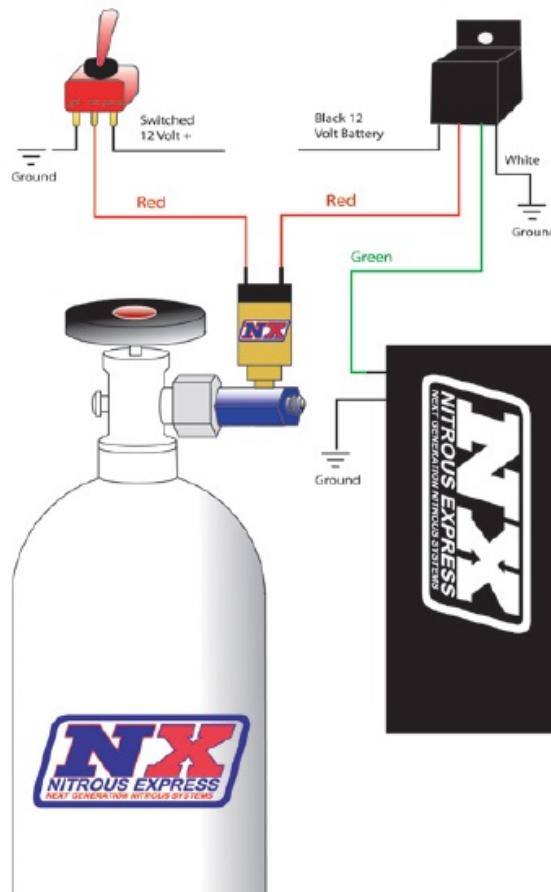
SAFETY TIPS

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 relay lead to the battery positive terminal.
8. Connect the White relay wire to ground.
9. Connect the Red relay 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 connected to a 12-volt source controlled by the ignition switch. (Refer to the wiring diagram if further help is needed.)
10. Check all wiring circuits for correct routing and confirm all connections.
11. Reconnect the ground cable.
12. Your "NEXT GENERATION" bottle heater is now ready for use!



UNDERSTANDING

HAZARDS OF NITROUS OXIDE

IN AUTOMOTIVE AND RACING APPLICATIONS



**USERS OF NITROUS OXIDE
MUST UNDERSTAND THE
HAZARDS. NITROUS OXIDE:**

- ! MAY CAUSE OR INTENSIFY FIRE; IT IS AN OXIDIZER.
- ! CONTAINS GAS UNDER PRESSURE, MAY EXPLODE IF EXPOSED TO AN OPEN FLAME.
- ! MAY DISPLACE OXYGEN AND CAUSE RAPID SUFFOCATION.
- ! MAY CAUSE DROWSINESS OR DIZZINESS.
- ! MAY CAUSE FROSTBITE.



**NEVER INHALE NITROUS
OXIDE OR NITROUS OXIDE
MIXTURES EXCEPT UNDER
MEDICAL SUPERVISION.**

- ! RACING NITROUS OXIDE PRODUCTS CONTAIN SULFUR DIOXIDE.
- ! INHALATION OF RACING NITROUS OXIDE PRODUCTS MAY BE HARMFUL OR FATAL.



**NEVER APPLY AN OPEN
FLAME TO A NITROUS
OXIDE CYLINDER**

- ! WHEN FILLING FROM ONE CYLINDER TO ANOTHER.
- ! TO ENHANCE PERFORMANCE WHEN CYLINDERS ARE IN USE.



**FOLLOW REGULATORY
REQUIREMENTS AND INDUSTRY
STANDARDS WHEN USING
NITROUS OXIDE CYLINDERS
OR WHEN TRANSFERRING
PRODUCT FROM ONE CYLINDER
TO ANOTHER (TRANSFILLING)**

- ✓ ONLY COMPETENT, TRAINED PERSONNEL SHOULD TRANSFILL CYLINDERS.
- ! TRANSFILLING CYLINDERS CAN BE DANGEROUS.
- ✓ ONLY FILL NITROUS OXIDE CYLINDERS BY WEIGHT.
- ! DO NOT COOL DOWN RECEIVING CYLINDER.
- ✓ ONLY USE CYLINDERS THAT ARE DEDICATED FOR NITROUS OXIDE SERVICE. DO NOT CHANGE THE CYLINDER SERVICE TO OR FROM A DIFFERENT GAS.



**DO NOT MAKE ALTERATIONS
TO CYLINDER OR CYLINDER
COMPONENTS**

- ! DO NOT MODIFY PRESSURE RELIEF DEVICE (PRD).
- ! DO NOT REPLACE, CHANGE, OR MODIFY VALVE.
- ! DO NOT ALTER, REMOVE, OR COVER PRODUCT LABEL.



**FOLLOW SAFE
PRACTICES FOR THE
STORAGE AND USE OF
OXIDIZERS**

- ✓ SECURE ALL CYLINDERS AND CONTAINERS WHEN BEING USED OR STORED.
- ✓ POST NO SMOKING SIGNS IN AREAS WHERE OXIDIZERS ARE STORED OR USED.
- ✓ SEPARATE OXIDIZERS FROM FLAMMABLES WHEN STORING.
- ✓ STORE AND USE IN WELL VENTILATED AREAS THAT ARE FREE OF COMBUSTIBLE MATERIALS.
- ✓ KEEP OIL AND GREASE AWAY FROM CYLINDER AND CYLINDER VALVE.