



X-Series Bottle Heater - Wrap Around Style

PART NUMBER: 22-64000 & 22-64001-X

INSTALLATION INSTRUCTIONS

X-Series bottle heaters are controlled by internal bottle pressure, not by temperature. The automatic heater uses an adjustable pressure switch so you can adjust the heater to operate in the pressure range you prefer. We suggest adjusting the pressure switch to turn off around 900 to 950 PSI.

After adjusting the pressure switch to the preferred heating range the heater will automatically turn on and off while activated. Use red Loc-tite or thread paste on all pipe thread connections. DO NOT use any other sealing compounds or thread tape. DO NOT use any sealer on flare connections, hose or bottle connections. All threads must be clean and dry. DO NOT apply too much sealer. DO NOT over tighten parts and connections.

WARNING

- 1. WHEN USING THE IN-LINE MANIFOLD ADAPTER, NEVER OPERATE YOUR HEATER WITH THE BOTTLE VALVE CLOSED. THE PRESSURE SWITCH CANNOT READ THE INTERNAL BOTTLE PRESSURE WHEN THE VALVE IS CLOSED.**
- 2. NEVER TOUCH THE HEATER ELEMENT WHEN IT IS TURNED ON. THE SURFACE TEMPERATURE MAY REACH TEMPERATURES AS MUCH AS 400 DEGREES.**
- 3. NEVER OPERATE YOUR HEATER UNLESS THE HEATING ELEMENT IS STRAPPED FIRMLY AROUND THE NITROUS BOTTLE. FAILURE TO DO SO WILL RESULT IN ELEMENT BURN OUT. THIS IS NOT COVERED BY WARRANTY. IF NOT USING THE AUTOMATIC PRESSURE SWITCH, MONITOR BOTTLE PRESSURE CLOSELY, HEATER ELEMENT CAN OVER HEAT BOTTLE.**
- 4. DO NOT ATTEMPT TO OPERATE THE HEATER WITHOUT THE HEAVY DUTY RELAY PROPERLY INSTALLED, PER THE WIRING DIAGRAM.**

WIRING THE BOTTLE HEATER

- Step 1.** Disconnect the battery ground cable.
- Step 2.** Install the heater element on the nitrous bottle, being sure the element is square and flat with the bottle surface.
- Step 3.** Install the pressure switch in the bottle pressure port or the in-line manifold adapter.
- Step 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. The heavy-duty relay should be mounted as close to the heating element as practical.
- Step 5.** Connect the remaining element wire to the green lead from the relay wire harness.
- Step 6.** Connect black lead to the battery positive terminal.
- Step 7.** Connect Red wire to one side of your heater switch.
- Step 8.** The other terminal will connect to the toggle switch's ACC terminal using the 18 gauge blue wire supplied with your heater.
- Step 9.** The toggle switch must be grounded and connected to a 12-volt source controlled by the ignition switch.
- Step 10.** Refer to wiring diagram if further help is needed. Check all wiring circuits for correct routing and confirm all connections.
- Step 11.** Reconnect the ground cable. Your X-Series bottle heater is now ready for pressure switch adjustment.

ADJUSTING THE PRESSURE SWITCH

- Step 1.** To set the pressure switch, turn the set screw to the right to increase bottle pressure and to the left to lower the bottle pressure.
- Step 2.** Only make adjustments of 1 turn at a time giving the bottle at least 10 minutes to stabilize, between adjustments. One full turn will adjust the bottle pressure approximately 150 PSI. (An X-Series bottle pressure gauge will be needed to monitor bottle pressure.)

IMPORTANT- ALL APPROPRIATE SAFETY EQUIPMENT (GLOVES, TOOLS ETC.) MUST BE USED DURING THE INSTALLATION OF THIS PRODUCT(S). NITRO DAVE'S LLC ACCEPTS NO RESPONSIBILITY FOR INJURIES RESULTING IN THE INSTALLATION OF ANY PRODUCT(S). NITROUS OXIDE IS FOR OFF-ROAD USE ONLY.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES

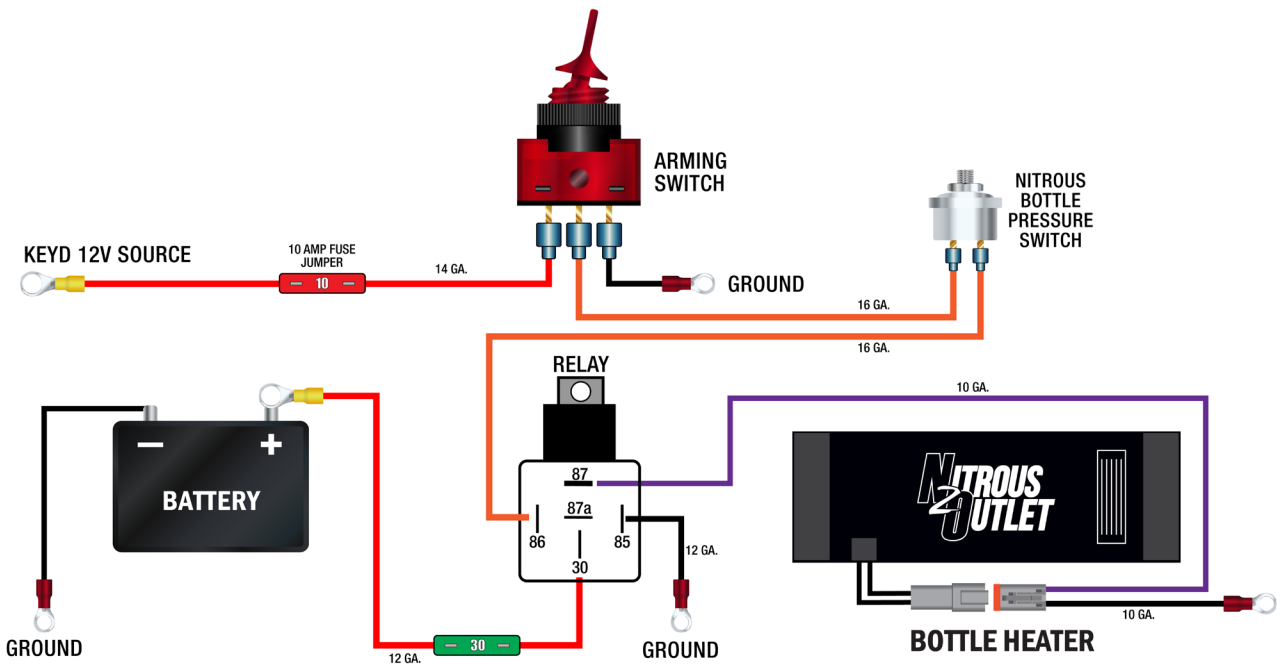


X-Series Bottle Heater - Wrap Around Style

PART NUMBER: 22-64000 & 22-64001-X

INSTALLATION INSTRUCTIONS

NITROUS OUTLET — X-SERIES BOTTLE HEATER WIRING DIAGRAM - WRAP AROUND STYLE



<small>COMPANY CONTACT</small> NITROUS OUTLET <small>DATE</small> 07/08/2020		<small>PROJECT</small> X-SERIES BOTTLE HEATER WIRING DIAGRAM - WRAP AROUND STYLE	<small>REV</small> 1	<small>REVISED DESCRIPTION</small> NITROUS OUTLET 305 SOUTH 28TH STREET WACO, TX 76710 254.848.4300 CUSTOMERSERVICE@NITROUSOUTLET.COM WWW.NITROUSOUTLET.COM	<small>FILE NAME</small> X-SERIES BOTTLE HEATER WIRING DIAGRAM - WRAP AROUND STYLE.AI <small>NOTICE</small> THIS DOCUMENT AND THE DESIGNS OR INFORMATION CONTAINED WITHIN ARE THE SOLE PROPERTY OF NITROUS OUTLET AND MAY NOT BE COPIED, DISTRIBUTED OR MADE AVAILABLE TO OTHERS WITHOUT PERMISSION.
--	--	---	-------------------------	--	---



IMPORTANT- ALL APPROPRIATE SAFETY EQUIPMENT (GLOVES, TOOLS ETC.) MUST BE USED DURING THE INSTALLATION OF THIS PRODUCT(S). NITRO DAVE'S LLC ACCEPTS NO RESPONSIBILITY FOR INJURIES RESULTING IN THE INSTALLATION OF ANY PRODUCT(S). NITROUS OXIDE IS FOR OFF-ROAD USE ONLY.

WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES