

Installation For Fully Automatic Bottle Warmer

Congratulations!

You have purchased one of the finest Bottle Warmers on the market. Follow the directions below as a guide for installation and use. It is extremely important to read all the instructions and warnings associated with using this bottle warmer or personal/property damage could occur. This Warmer kit is for racing use only, off road and should never be used on public highways or roads.

Index

Section 1 Operation overview

Section 2 Installation

Section 3 Using and Adjusting the Warmer

Section 4 Troubleshooting

Section 5 Specifications

Section 1

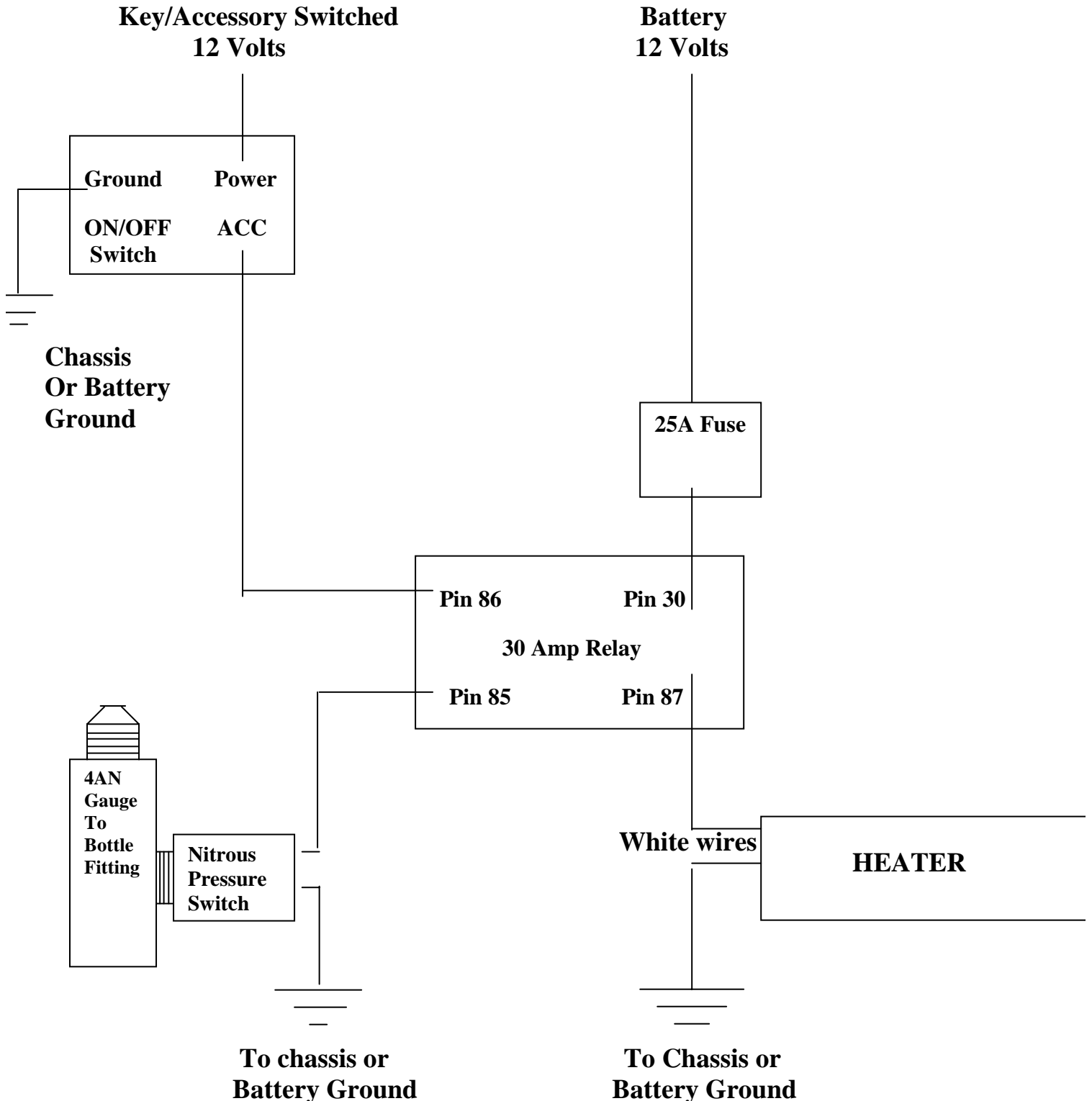
Operation overview

The DynoTune Fully Automatic Bottle warmer will heat your bottle resulting in a pressure of 900 to 975 PSI. **Warning!! The valve on your bottle must be turned on for the bottle warmer to operate and control the Warmer. If the valve is left closed and the Warmer is on it will never shut off and the bottle tempeture/pressure will become extreme possibly resulting is the bottles over pressure safety disk bursting releasing the Nitrous out of the bottle. Nitrous will burn your skin! You must run a blow down tube that connects to the bottle Burst disk and vent the tube outside per NHRA rules to be a safe installation. You must use a pressure Gauge to verify and make adjustments to the Nitrous Pressure Switch. The Bottle Warmer may reach temperatures greater than 300 degrees f, be careful as this can burn your skin!**

Section 2

Installation of the Automatic Bottle Warmer

- 1) Attach the Bottle Adaptor/Nitrous Pressure Switch assembly to your bottles output nipple. Tighten securely.
- 2) Wrap the bottle warmer tightly around the bottle and secure with the Velcro straps. Failure to keep the warmer tight against the bottle may result in premature warmer failure.
- 3) Mount the Main lighted power switch on the dash, someplace you can see it so you know when it's on!
- 4) Wire the Relay, Power Switch, and rest of the circuit as shown in the diagram below. Make sure and crimp all the connectors as securely as possible and watch for shorts. Soldering is always the best option.



Section 3

Using and Adjusting the Warmer

- 1) You are ready to test your Bottle warmer! Follow all the directions and warnings for proper operation.
- 2) Make sure your blow down tube and Pressure Gauge are installed.
- 3) Open the nitrous bottle valve.
- 4) Verify the pressure at the bottle via the Gauge
- 5) Turn on the bottle warmer
- 6) Watch the pressure rise; it should go up to about 975 PSI then slowly cycle down to 925 PSI over time. If you notice the bottle heater never shuts off, or the pressure is much higher than 1000psi, shut off the Warmer and check all the wiring.
- 7) If you would like to make an adjustment to the pressure at which the bottle warmer will keep the bottle then adjust the screw that is located between the two terminals on the Nitrous Pressure Switch.
 - a. Clockwise increases bottle pressure
 - b. Counter Clockwise decreases bottle pressure.

Warning!! Do not turn the screw more than a ¼ turn at a time otherwise you may not know where the set point is. Always check your adjustments with your Nitrous Pressure Gauge.

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Section 4

Troubleshooting

- **The bottle warmer does not get hot -** Check all the wiring and the fuse.
- **The bottle Warmer never shuts off-** Check to make sure it is wired correctly and that the adjustment screw is not way out of adjustment. Turn is fully Counter Clockwise and slowly turn it until the Warmer shuts off at the pressure you want.
- **You have adjusted the Pressure switch and now are having trouble getting it set to your desired pressure-** Short the pressure switch with a jumper and your Warmer will turn on. When you reach your desired set pressure undo the short.
 - Adjust the screw Counter Clockwise until the screw seems loose. The warmer should be on now.
 - Turn the screw Clockwise until the warmer just turns **OFF**. Check the pressure and make small adjustments as needed.

Section 5 Specifications

	Fully automatic Bottle Warmer	
Operating Supply voltage	13.8 volts	
Current consumption	20 amps	
Pressure Switch Adjustment	500PSI to 1250 PSI	

Do not forget to Turn **ON your valve and do not leave the system on while the car is unattended!**