

# 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.

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## Section 1 Operation overview

The DynoTune Fully Automatic Bottle warmer will heat your bottle resulting in a pressure of 900 to 1250 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 temperture/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

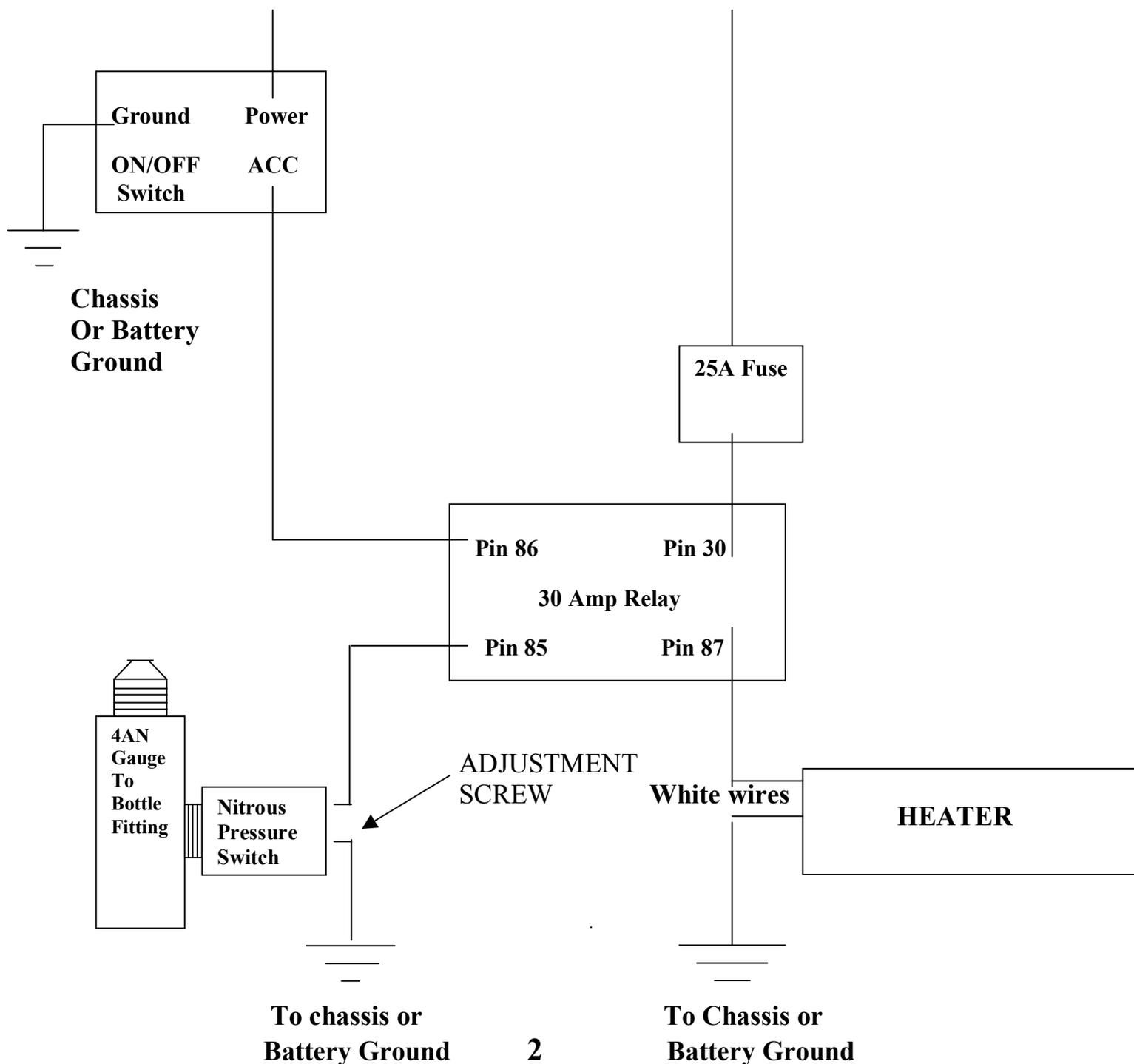
- 1) Attach the Bottle Adaptor/Nitrous Pressure Switch assembly to your bottles output nipple. Tighten securely.
- 2) Wrap the bottle warmer tightly around the bottle and secure with the Velcro straps. Failure to keep the warmer tight against the bottle may result in premature warmer failure.
- 3) Mount 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. Either wire on heater element or pressure switch can be used, there's no polarity

**Key/Accessory Switched**

**12 Volts**

**Battery**

**12 Volts**



## 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) The Pressure switch comes pre-set at about 900psi. You are welcome to make fine adjustments as needed.

**ADJUSTMENT SCREW HERE!**



- 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. Let the heater stabilize before making another adjustment.**

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## Section 4 **Troubleshooting**

➤ **The bottle warmer does not get hot -** Check all the wiring and the fuse.

1) Leave everything hooked up (red power switch “ON”) and simply short the two terminals on the pressure switch with a screw driver or needle nose pliers. You should hear the relay click! If it does not click, check your wiring! Make sure you have the red lighted switch hooked up correctly as this can cause trouble

2). If the relay clicks then try adjusting the pressure switch. Turn the screw between the two terminals fully counter clockwise until it is getting loose. Open the bottle valve. Now start turning the screw clockwise until you hear the relay click off. Resume turning clockwise in ¼ turn increments until your desired bottle pressure is reached.

## Section 5 **Specifications**

	<b>Fully automatic Bottle Warmer</b>	
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!**