



## **Popformance G.R.C – *Gauge Replacement Console***

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### **Usage and Installation Manual**

## Overview

The Popformance G.R.C, *Gauge Replacement Console* is a gauge system with interface abilities to view, record, and control various aftermarket sensors in the Nissan 300ZX (Z32). It is conveniently and aesthetically placed in the factory Oil Pressure Gauge location, the factory Boost Pressure sensor location, or both and allows you to display your sensors with your design, or a commonly shared design.

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### Hardware Features

- TFT LCD Screen
- USB Port for Datalogging, firmware upgrades and large setting changes
- 8 Data Channels for inputs from 8 Different Sensors

### Software Features

- Datalogging for all 8 Channels through USB to Computer
- Displays up to 3 channels per screen (Firmware Revision 2.0.0)
- Change the viewing style of your gauges with images from your Computer

## Installation

### Part 1:

The Joystick is used to move through the various menus on the G.R.C and manipulate settings where desired. The Joystick has 5 directions. Up, Down, Left, Right and Centre button. There is more information below regarding using the joystick.

### Install Joystick

1. Select where you'd like to install



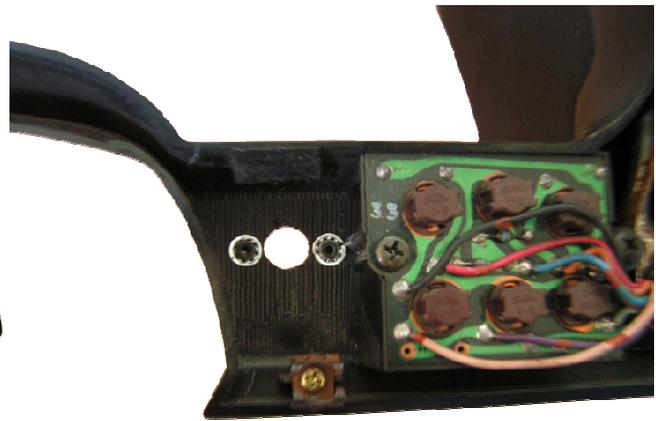
2. Tape on drilling template with the three holes in a horizontal fashion



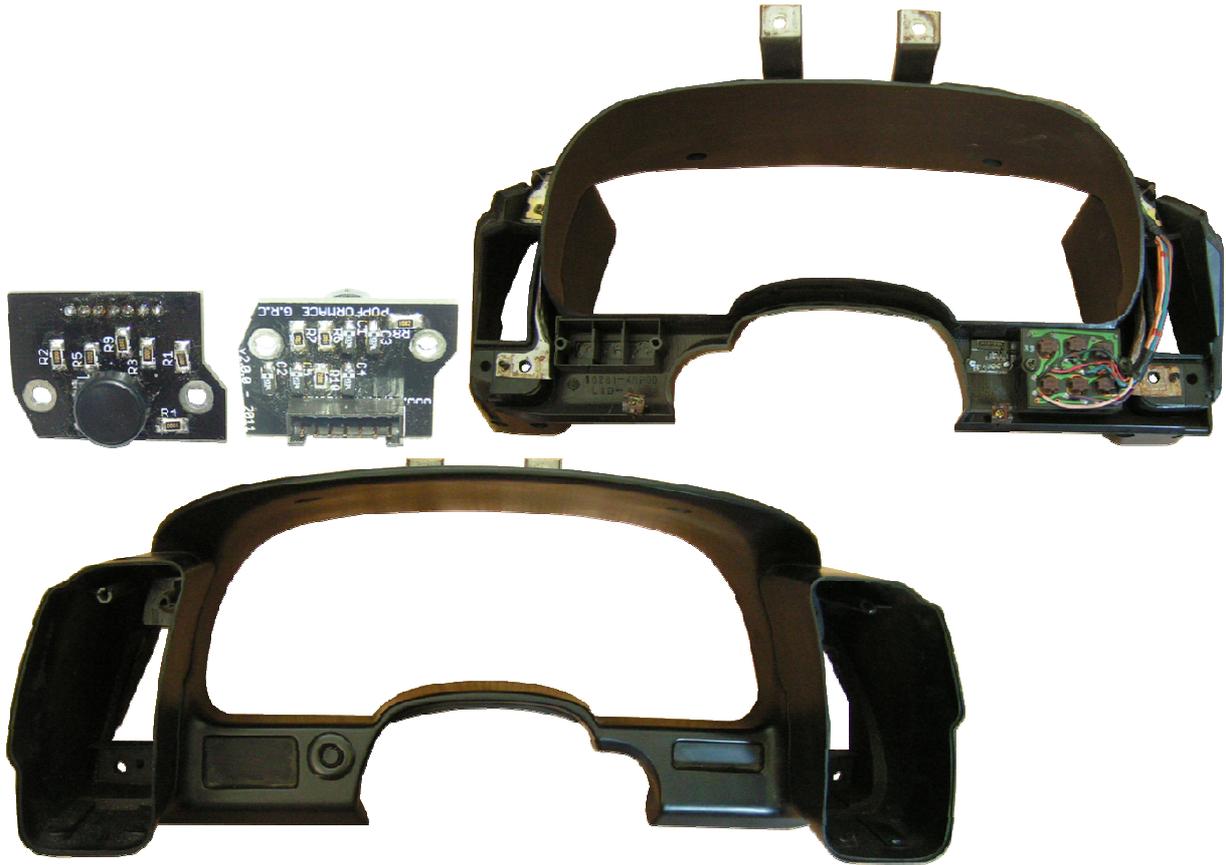
3. Drill holes. Outside holes use a 3/16" drill bit and centre hole uses a 1/2" drill bit



4. Insert plastic Finisher piece and hold in while pressing on the retaining clips on the back



5. Insert Joystick board from the back and screw in (The Connector must be at the top)



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*Part 2:*

***Wiring and Connections***

Power Connector

1. Black and Red leads to a sub connector that runs inside of the Cluster and connects to either the Oil Pressure side or the Boost Pressure side
2. Yellow wire goes to constant battery power
3. Gray wire goes to the headlight on/off switch

For other connectors please see the attached diagrams



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Part 3:

**Install GRC screen(s)**

Type A or Type B

Please refer to the associated manual

## Using the G.R.C

When starting the G.R.C, an intro screen of a Z logo is shown for a short while. Following that, the G.R.C will load a screen showing a maximum of 3 gauges. You can manually set this through the menu items. On default startup, three gauges are shown.

### *Left Movement – Right Movement*

This will select between the left or right screen if optioned. If a page is selected the left or right movement serves its own function within the page.

### *Up Movement – Down Movement*

This will change the screen on the selected side, unless a page is selected in which it serves its own function within the page.

### *Centre Movement*

This will either select a page or accept the changes made to a page.

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## Disclaimer

Popformance, or any of its holders do not assume any liability for damage or misuse of the product or vehicle, or any damages created in the use of this product. The use of the G.R.C is entirely at the discretion of the purchaser and/or operator of the G.R.C. It is understood that the G.R.C is classified as a device to display/record the approximate estimates of the respective aftermarket sensors that it is connected to, and as such, should be restricted to use only under these circumstances. Popformance assumes the right to amend this Disclaimer at any time as it requires, and the new terms are immediately placed in effect and assumed by the user. By using this product, the user agrees to all statements in this disclaimer.

**Manual Version 2.0 for firmware release 2.0.**