

## MULTI-GAUGE VOLTAGE REDUCER 12 VOLTS TO 6.7 VOLTS PART NUMBER: VREG06703

These instructions will help you install and test your new 12 volt to 6 volt reducer to operate gauges. Please read completely before attempting to install.

The VREG06703 reduces the voltage from 12 volts to 6.7 volts to supply the correct voltage for original 6 volt gauges in upgraded 12 volt electrical systems.

## Specifications:

- 6.7 Volt regulated output voltage
- 12 volts input voltage
- 1 Amp output capacity
- Screw –type terminal block electrical connection accepts 26-14 AWG bare wire
- LED indication of output voltage
- Self-resetting fused input
- Integrated heatsink enhances thermal dissipation
- Up to three gauges can be connected directly to the reducer
- Integrated mounting holes

## Installation: Before you get started always disconnect your battery.

- 1. Mount unit in well ventilated area away from materials that can melt. Unit will get warm during operation.
- 2. All wires connections to the green terminal block should have the insulation stripped approximately 8mm.
- 3. Supply 12 volts switched voltage to the input. Note if constant voltage (non-switched) is supplied this unit will draw the battery down if battery is not disconnected.
- 4. Connect a good ground to the ground terminal. Negative ground systems only.
- 5. There are three output terminals on the right end of the green terminal block. For up to three gauges, each terminal can connect directly to each gauge with a separate wire. Gauges can also be powered from a single wire that runs from gauge to gauge. This will be necessary when powering more than three gauges. Consult the diagrams on the back of this sheet to see the difference in these wiring schemes. Note: An amp gauge should never be connected to this unit.
- |12V|NEG| 6.7 VOLTS | | IN |GND| OUTPUT |

- 6. Reconnect the battery and test operation.
- 7. With the switched power turned on, the LED indicator should be lit brightly, and 6.7 volts DC should be present on the output terminals of the unit. No or dim light means that there is no or low output, possibly due to an output shorted to ground, or the input power is not on. Any installation problems such as shorted output or overloaded condition need to be corrected for proper operation.

The VREG06703 is only designed for use with gauges. For other applications, use these products:

Heater Blower Motor: HR01

Horn: WHR1

Wiper Motor: WHR1 Tube Radio: DR100W1R5

Power Windows, Seats, Convertible Top: VRWTS

Borg Warner Overdrive Solenoid: VRODS1

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