



P/N VP655 & VP665

Parts List

4' -3/8" vacuum hose
1 - Vacuum Pump Assembly
4 - 1/4" x 1" SHCS

4 - 1/4" Lock Washers
4 - 1/4" Nuts
8 - 1/4" Flat Washers

Electric Vacuum Pump Instructions

These instructions are a basic guideline for installing a CVR Vacuum Pump. This pump comes with a built-in factory set vacuum switch.

Installation

Unit can be mounted in any position.

Electrical Installation

The BLUE wire on the supplied wiring harness goes to +12VDC 30AMP min. or direct to battery. The BLACK wire to chassis ground or -12VDC. The YELLOW wire is ignition switch positive and has a low amperage draw and can be connected directly to the ignition switch with power on when ignition switch is in run position. This connection must be ignition switched power so that when the motor is switched off the vacuum pump is off.

Vacuum Circuit

A supplied hose is used to connect the vacuum pump intake nozzle to the brake vacuum booster or servo unit. Please refer to enclosed drawing.

Troubleshooting

If pump keeps cycling – possible vacuum leak – remove hose from vacuum circuit, use supplied hose, plug other end of hose, pump should cycle and turn off. If pump shuts off then look at other issues with lines, reservoir (if used) or brake booster. This will help you in isolating the problem.

Possible Cause: Vacuum leak in hose or vacuum booster itself.

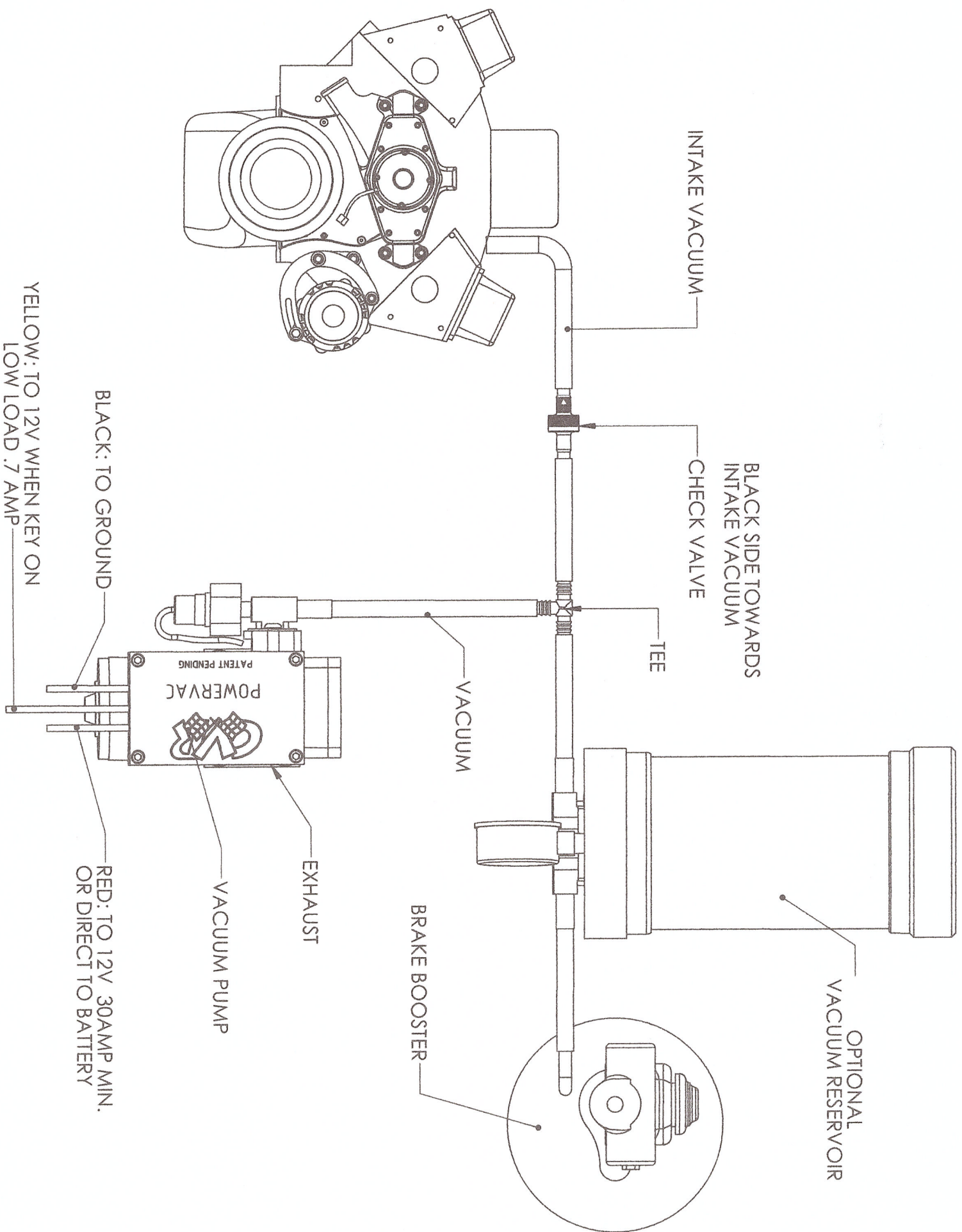
Replace defective items and reinstall.

Customers in higher altitudes may require an adjustment of the vacuum switch when the pump does not shut off.

CAUTION: Adjusting this switch does not increase vacuum output – it will only effect the turn on and turn off set point. A vacuum gauge must be used when adjusting this switch. Over adjusting of the switch could cause damage to internal components.

On the back of the vacuum switch there is a 1/8" Allen plug – remove it. Behind the plug is a 1/8" adjustment screw. Using a 1/8" Allen key, turn the screw clockwise to decrease the vacuum set point and counterclockwise to increase the vacuum set point.

Thank you for purchasing a CVR product!



INTAKE VACUUM

BLACK SIDE TOWARDS
INTAKE VACUUM
CHECK VALVE

TEE

VACUUM

OPTIONAL
VACUUM RESERVOIR

BRAKE BOOSTER

EXHAUST

VACUUM PUMP

POWERVAC
PATENT PENDING

BLACK: TO GROUND

RED: TO 12V 30AMP MIN.
OR DIRECT TO BATTERY

YELLOW: TO 12V WHEN KEY ON
LOW LOAD .7 AMP