**GFS Vacuum Gauge and Plumbing guide**

**Vacuum Gauge Set-up**

The vacuum gauge allows one to monitor and diagnose the SVO system. The gauge registers resistance of the fuel moving through the fuel system. The normal operating vacuum the gauge will register depends on the vehicle, but should be around 1-2 inches of vacuum with a clean filter and good oil. When the vacuum reaches 10-15 inches of vacuum, this usually indicates a clogging fuel filter or another source of restriction. Make note of where on the gauge the vehicle starts to hesitate and “bogs” down and this is when the filter needs to be changed in the future. An air issue may be indicated with a “0” reading of vacuum or pressure.

**Keeping Track of Vacuum/Pressure Readings and Plumbing**

Keep this reference guide in your vehicle for your own reference, and to familiarize any technician who may need to work on the vehicle fuel system. After installation by either yourself, or at a GFS installation location, it is important to remember and record your vacuum measurements. The GFS vacuum gauge is instrumental in future diagnosis with a real time feedback on your fuel system. When addressing any issue, take note of readings, and record them on this table along with base readings after a successful test drive with clean filters. Vacuum will change depending on engine demand.

**CLEAN FILTERS**

(Base idle, SVO)  (Base idle, Diesel)  (2500 rpm SVO)

(2500 rpm Diesel)
If a specific Plumbing Diagram was provided for your vehicle, please follow the specific instructions:

- **S** Engine Supply
- **S** Diesel Supply Line
- **R** Engine Return
- **R** Diesel Return Line

**安装真空表**

- **P** 燃油泵（如有适用） - 真空表接头必须安装在吸油侧
- **4** 3/8英寸接头
- **5** Polk Valve
- **6** 冷却剂T型接头

安装真空表在滤器和SVO泵之间或在Polk Valve之后（如果系统没有SVO燃油泵） - 发动机侧（读取柴油和SVO上的限制。）