SPORTSMAN EVP STR.19.06.000 INSTRUCTIONS

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STAR MACHINE 7810 OAK AVENUE PARKVILLE, MARYLAND 21234 PHONE: 667.210.3874 FAX: 410.661.2467

EMAIL: STARVACUUMPUMPS@GMAIL.COM

The Star Machine Sportsman Electric Vacuum Pump (EVPS) is representative of our continued efforts to provide racers with the latest vacuum pump technology. The EVPS is a DC electric, reciprocating piston vacuum pump. The EVPS offers the distinct advantage of ALL the HP gains, thru increased crank case vacuum, with ZERO HP lost to driving a mechanical vacuum pump.

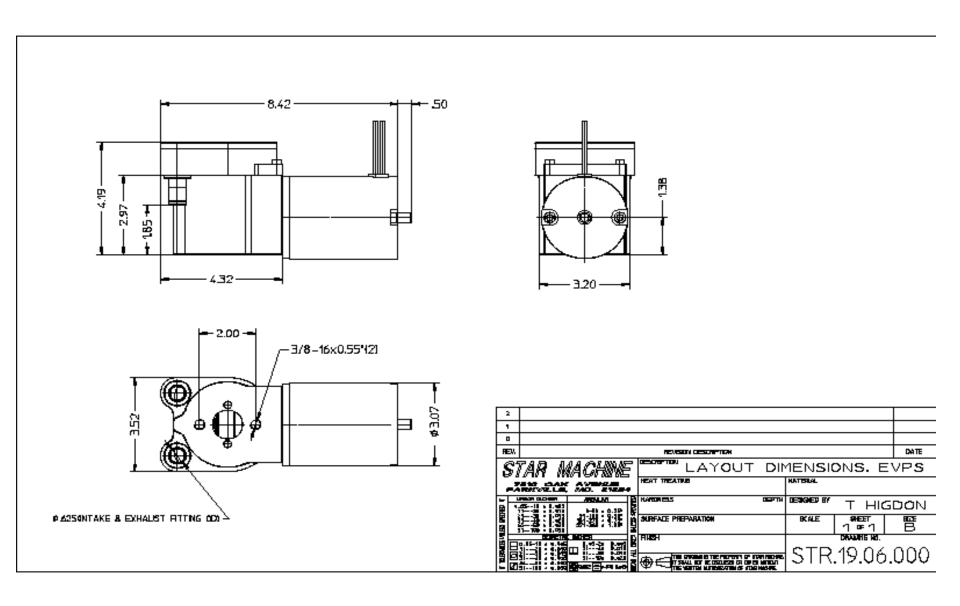
At Star Machine we realize that you don't get something for nothing. The electric motor driven EVPS adds the requirement of between round battery maintenance (recharging). This will be considered, by some racers as a burden (one more between round headache). Other racers, looking for that last .01 second advantage, will view the additional maintenance as part of the game.

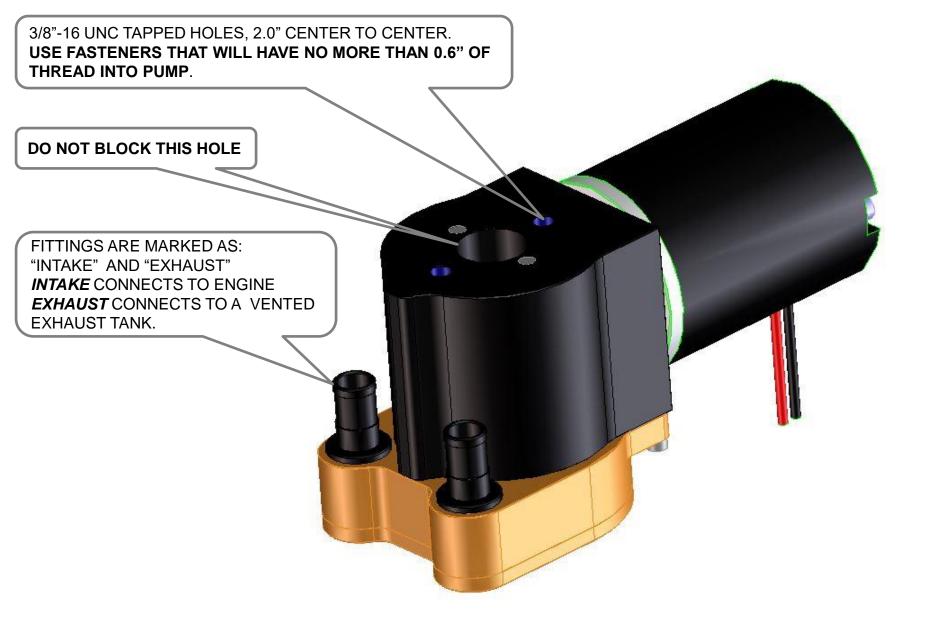
The EVP operates off your existing 12 to 28 VDC electrical system. To complete the EVP installation one 12V-75A normally open switch is required to operate the pump. We recommend switching the positive side. If you would like to control the EVP with a relay we recommend the Bosch 24VDC/50A, PN 0.332.002.250.

The use of other battery systems is OK, as long as the voltage is not exceeding 30VDC.

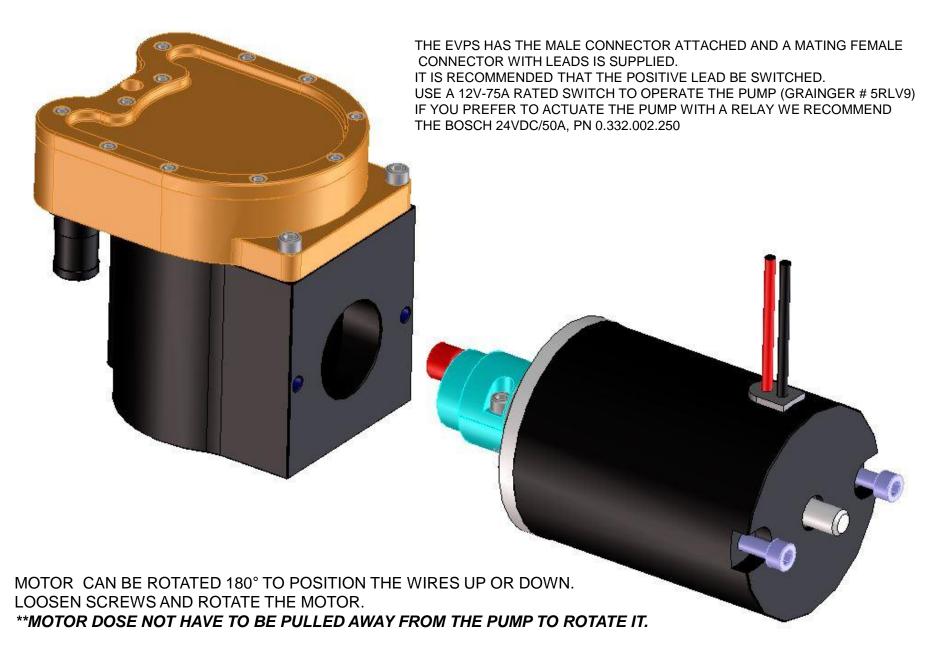
Activating the pump is presently (and recommended) done when the vehicle is pre-staged. In most cases at the same time the data recorder is switched on. This will guarantee the pump motor will receive the maximum available battery power.

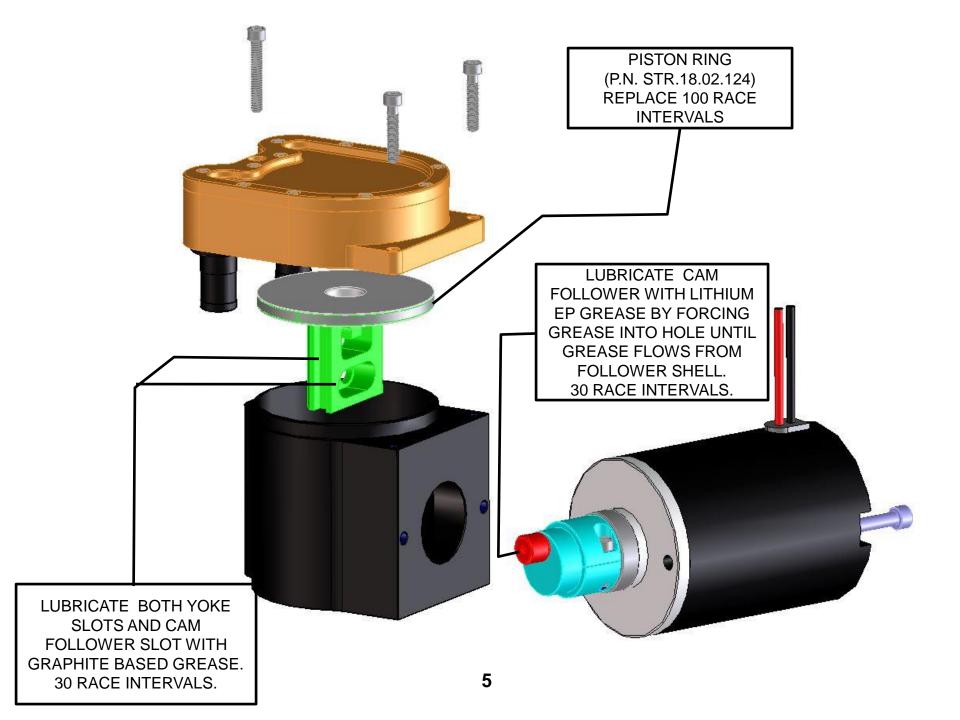
The vacuum line connection to the engine is critical to the operation of the EVP. Drawing oil into the EVP may result in damage to the reeds. Care must be taken to baffle and/or separate the engine oil from the air drawn by the pump. More important to the performance of the pump is the sealing of the engine, the better the seal the higher the potential vacuum. Use clear 5/8" ID vacuum rated hose for the intake and exhaust connections.





PUMP CAN BE MOUNTED IN ANY POSITION.





FEMALE CONNECTOR WIRING









