

RACETRONIX turbine-tech 340LPH FUEL PUMPS



WARNING!

The fuel system is under pressure. Do not open the fuel system until the pressure has been safely and sufficiently relieved. Please refer to the appropriate vehicle service manual for the procedure and precautions necessary to relieve fuel system pressure safely.



CAUTION!

Installation of this product requires detailed knowledge of automotive systems and repair procedures. We recommend that this installation be carried out by a qualified automotive technician.

Installation of this product requires handling of gasoline. Ensure you are working in a well ventilated area with an approved fire extinguisher nearby. Extinguish all open flames, prohibit smoking and eliminate all sources of ignition in the area of the vehicle before proceeding with the installation



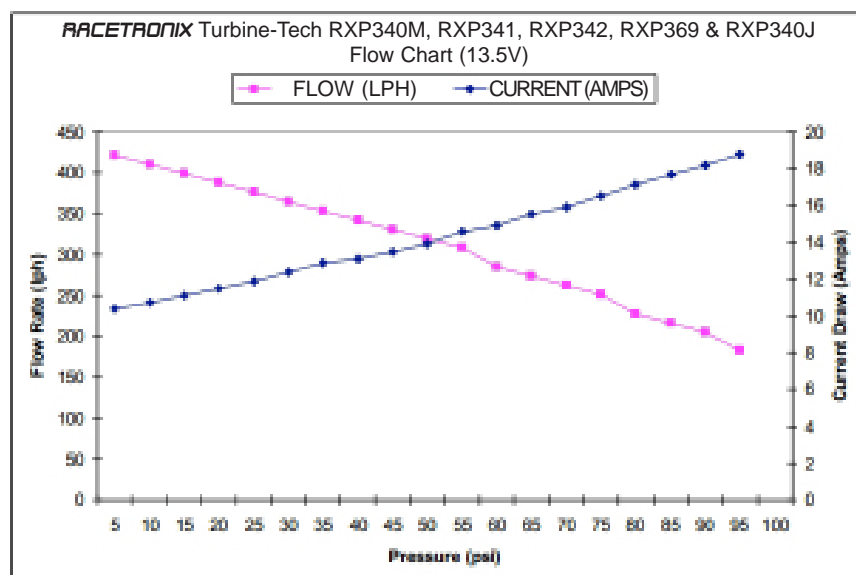
NOTE!

COMPATIBLE FUELS: Pump Gas, Race Gas, E85*

*Due to the dielectric properties of Alcohol based fuels like E85, fuel pump service life will be reduced and filter maintenance increased. Be certain alcohol compatible filters are installed and properly maintained.

APPLICATION INFORMATION

Racetrax lists specific application information informing what known vehicles have a fuel pump form factor that is compatible with the new Turbine-Tech 340LPH pumps in our web store. You may find these listings under our fuel pump installation kit section in our web store. For those familiar with purchasing aftermarket fuel pumps to be installed as a replacement for the stock fuel pump, you will appreciate that the Racetrax Turbine-Tech 340LPH fuel pumps, P/N's RXP340M, RXP341, RXP342 and RXP369 are configured as universal, in-tank replacement pumps, and feature the same form-factor (external dimensions) as 4 popular 255 LPH fuel pumps commonly sold under P/N's GSS340M/GSS294M, GSS341, GSS342 and F20000169. There are many applications where these common, 255 LPH pumps have been used in the stock tank, without major modifications, and those same applications may work as well with the new Racetrax Turbine-Tech 340LPH pump. To ease the determination of which Racetrax Turbine-Tech 340LPH pump may be used as an alternative, note the 3-digits of the Racetrax Turbine-Tech 340LPH pump numbers correspond to the 3 digits of the common, 255 LPH pumps. For those that know which of the 255 LPH pumps will work in their tank, simply select the Racetrax Turbine-Tech 340LPH pump with the same 3-digits. For example, the 255 LPH GSS340(M) and the Racetrax RXP340M will have similar form-factor and application. There are many applications where the Racetrax Turbine-Tech 340LPH Pumps (and the same formfactor 255 LPH pumps) will not work without major modifications. There may be statements made by others, including users and installers (on the internet or in other forms of media) claiming one of these pumps will work in an application that is not listed in our application guide. In these cases it is likely that some modifications have been made to the tank, the internal basket or baffling, and/or the fuel level sending unit to perform the installation. Racetrax neither sanctions or approves any modifications be made to any vehicle fuel system to install one of these pumps, and any modifications that are made are done so at the sole discretion of the purchaser/installer, with no guarantee of pump performance, service life, or assurance of compatibility made by Racetrax.



⚠ ATTENTION INSTALLERS ⚠

Note the location of the vapor-purge port for your Turbine-Tech 340, illustrated below. During installation, be certain to check for and eliminate any blockage or restrictions to this port. Failure to do so may result in slow or no priming, and may damage the fuel pump due to being run dry.



POWER REQUIREMENTS:

Racetronix Turbine-Tech pumps require two to four times more electrical power when compared to factory fuel pumps. Please review the flow vs. current graph on this paper. It is imperative that all wiring from the battery/alternator leading all the way to the pump is capable of supporting the extra power demands to ensure that your Racetronix Turbine-Tech pump performs to specification. Operating your Racetronix Turbine-Tech pump on factory wiring will drastically reduce performance 25% or more and will cause your car's factory fuel pump wiring to fail and possibly cause a fire. Under some conditions, low voltage can cause premature pump failure. Racetronix manufactures a full line of plug n' play upgrade wiring harnesses to help address this issue. Please visit racetronix.biz for an assortment of 'hotwire' upgrade harnesses, bulkhead connectors and in-tank wiring.

PLUMBING REQUIREMENTS:

Racetronix Turbine-Tech 340LPH pumps flow 30-100% more fuel volume when compared to factory and other high-performance pumps. Many factory fuel systems are not designed to handle the fuel volume produced by Racetronix Turbine-Tech pump because they are too restrictive. It is imperative that enough fuel may flow without restriction so that your Racetronix Turbine-Tech pump can perform properly. A restrictive fuel system will cause reduced fuel flow and rail pressure, excessive pump head-pressure, pump power demands, fuel heating and highly accelerated pump failure. Upgrading the fuel lines in your car may be required for proper pump performance and longevity. 3/8" I.D. (-6 / 10mm) lines are recommended for use with 340LPH pumps. It is always best to size the pump/fuel system to your requirements. Bigger is not always better! Please visit racetronix.biz for an assortment of lines and fittings. Racetronix does not recommend the use of rubber lines in modern fuel systems because they will dry out and break down causing contamination and allowing vapors to escape into the atmosphere. Racetronix recommends the use of Teflon braided lines whenever possible. Please visit racetronix.biz for an assortment of fuel lines and fittings.

PRE-FILTER REQUIREMENTS:

Racetronix recommends the use of graded-media 30 to 35-micron filter socks for maximum protection. Racetronix Turbine-Tech pumps may be run with 70-micron nylon mesh socks if required. Please visit our web store racetronix.biz for a wide assortment of fuel filter socks in various shapes and sizes.