

## SCION tC TRD SUPERCHARGER Q&A

**Q1) When will the supercharger be available at dealerships?**

A1) Beginning October 17, 2005.

**Q2) How much will it cost? Does this price include installation?**

A2) MSRP will be \$3200, not including installation.

**Q3) Where is the supercharger manufactured?**

A3) The supercharger is manufactured in Southern California. It was designed and developed by TRD U.S.A. using several key component vendors including Vortech Superchargers who supply the rotating components along with certain parts of the drive assembly.

**Q4) Why did you decide to go with a centrifugal supercharger?**

A4) This design was chosen for its compact configuration, ease of installation on this vehicle, and smooth power delivery characteristics.

**Q5) Will the application work for Camry and Highlander (same 2AZ-FE)?**

A5) No, while the engine platform is the same, it is not configured for those specific applications.

**Q6) How many pounds of boost does the supercharger produced?**

A6) 7 lbs.

**Q7) What is the EPA fuel economy estimate with the supercharger?**

A7) This is an aftermarket supercharger kit, so there is no EPA fuel economy rating as used on O.E. applications. There will be some reduction in fuel economy depending on how aggressively the vehicle is driven with the supercharger.

**Q8) What is the warranty on the supercharger?**

A8) The warranty is the same as the new vehicle powertrain warranty when installed by a Scion dealer: 5 years or 60,000 miles or the balance of the new car warranty, whichever is greater. The warranty is 12 months or 12,000 miles when installed by anyone other than the dealer.

**Q9) Is it necessary to upgrade the fuel injectors or fuel pump when installing the supercharger for it to function properly?**

A9) All the components necessary for installation are included in the supercharger kit. In this case new injectors are required and they are included.

**Q10) Is the boost adjustable on the supercharger?**

A10) No it is not adjustable.

**Q11) Does the car's computer need to be adjusted for the supercharger?**

A11) Yes it must be reprogrammed or "reflashed" to accommodate the supercharger. This can be accomplished using a required service tool along with the reflash program supplied with the supercharger kit. The reusable service tool is sold separately.

**Q12) Do you recommend upgrading the intake and/or exhaust prior to installing the supercharger to optimize performance?**

A12) No, the supercharger kit is designed to be completely compatible all the standard components and systems on the car.

**Q13) What makes Toyota/TRD's supercharger better than other after market companies which specialize in these types of upgrades (i.e. HKS, GReddy)? How do you justify the price premium?**

A13) The TRD supercharger system is designed to a high standard of quality, performance and compatibility to this specific application using Toyota factory design information not available to aftermarket vendors. In addition it is covered by a factory-like warranty good at Scion dealers nationwide when installed by a dealer.

**Q14) Typically, supercharged vehicles require more maintenance than non-supercharged vehicles. Do you anticipate service requirements? How will this be communicated to the customer?**

A14) There are no special service requirements and there is no change in normal vehicle service intervals.

**Q15) Will adding a supercharger increase maintenance costs?**

A15) No.

**Q16) Will it cause additionally wear and tear on the driveline?**

A16) No

**Q17) Is there a boost gauge available to monitor the boost?**

A17) Not at this time from TRD, but there are several aftermarket gauges that may be used.

**Q18) What are the horsepower and torque gains?**

A18) The tC will gain up to approximately 40 horsepower (160 is standard), or a 25 percent increase in peak horsepower, and up to a 13 percent increase in maximum torque.

**Q19) What are the performance numbers (0-60, ¼ mile)?**

A19) We have not done testing for those numbers.

**Q20) How is it different from a turbocharger? Pros and cons?**

A20) The TRD supercharger engine-driven by a belt and a turbocharger is driven by hot exhaust gas flowing through one side of the turbocharger. There can be no “turbo lag” with the TRD supercharger because it is directly driven by the engine and does not rely on any buildup of exhaust gas to generate boost. The TRD supercharger generates boost directly in proportion to engine speed for smooth, linear power increase, and the resulting power increase. In addition, the TRD supercharger is compatible with the close-coupled exhaust catalyst design used on most late-model Toyota designs and turbochargers are not.

**Q21) What is the projected installation rate?**

A21) Installation rates vary depending on the individual dealer and time needed depends on the dealer’s service schedule, but the supercharger installation could take approximately 6 to 8 hours.

**Q22) What about durability of the supercharger?**

A22) The TRD supercharger has been carefully designed, manufactured and tested to insure that durability will not be an issue.

**Q23) What is the weight of the supercharger?**

A23) The complete supercharger kit weighs 65lbs.

**Q24) Do you have to use premium gas with the supercharger?**

A24) It is recommended that customers use 91-octane or higher fuel for a tC equipped with the TRD Supercharger.

**Q25) Can the supercharger be installed on an automatic transmission as well as a manual transmission?**

A25) The supercharger is only available for the manual transmission application. The automatic application is still under development and may be available at a later date.

**Q26) Can I finance the purchase of the supercharger or factor it into the lease?**

A26) The tC supercharger system can only be purchased as a dealer-installed or over-the-counter option, after retail sale of the vehicle. The supercharger may not be purchased at the same time as the new vehicle and may not be financed together with the new vehicle.

**Q27) Can a customer purchase the supercharger from a dealer and perform install it him/herself? What tools are needed?**

A27) An authorized Scion or Toyota dealer needs to perform the installation in order for the full warranty to apply. If the customer or a third party installs the supercharger, it is only covered by a 12-month, 12,000-mile parts-only warranty. In addition, a service tool is required to reprogram the engine control unit when the supercharger is installed.

**Q28) Is the supercharger compatible with both 2005 and 2006 model year tCs?**

A28) Yes.

**Q29) How is warranty affected if the supercharger is installed on a 2005 model year tC?**

A29) The supercharger warranty is the same as the balance of the new car warranty in effect at the time of the installation when it is installed by a dealer. Otherwise the warranty is 12 months/12,000 miles, parts only.

**Q30) Is the supercharger only available at Scion dealerships? What about Toyota dealerships?**

A30) The supercharger is available at Scion and Toyota dealerships.