

4.7 Supercharger Owners Information Sheet

Please Read

Fuel

Use only 91 octane (or better) unleaded fuel.

Due to the increased fuel flow requirements caused by the supercharger, it is not recommended that you go to wide-open throttle while the low fuel-warning lamp is illuminated. When fuel levels are low and under wide-open throttle acceleration; the fuel in the tank will “slosh around” and cause the fuel pump to pick-up air, this can cause premature pump failure.

Cold Air Intakes

Do not use any aftermarket “Cold Air Intake” kits with the TRD Supercharger. The OE Air Filter Housing and the OE Mass Air Flow sensor are critical for the correct Air/Fuel ratio calibration with the TRD Supercharger. The use of any aftermarket “Cold Air Intake” kits will void the TRD Supercharger warranty and also the vehicle powertrain warranty.

Coolant Thermostat

When the supercharger kit was installed, it contained a 160-degree thermostat that replaces the factory 190-degree thermostat. The TRD ECU’s calibration was based on the addition of the supercharger and the installation of this 160-degree thermostat. These thermostats are specifically made for TRD and at the current time, are only available through your local Toyota dealer. The installation of a factory 190-degree thermostat on a vehicle equipped with a TRD ECU and supercharger will result in poor performance.

Spark Plugs

Due to the increased engine loads delivered by the supercharge, it is recommended that the spark plugs be changed to 1 heat range colder than the original equipment spark plugs. Recommended heat range plugs are listed below and are for all Toyota V-8 engines.

Manufacture Part No.	Order No.	Notes:
NGK V-Groove BKR7E-11	1283	gap @ 0.8mm or 0.031”
Denso Iridium IK22	5310	gap @ 0.8mm or 0.031”

Supercharger Belt

The belt that was supplied with the supercharger kit is specifically designed and constructed to handle the additional loads produced by the supercharger. It is recommended that when replacing the belt to use the TRD supercharger belt. In emergency situations the following can be used.

Vehicle	TRD Belt #	Gates Part No.
Tundra	00602-17620-432	K061058
Sequoia	00602-17620-433	K061031
Land Cruiser	00602-17620-433	K061031
LX 470	00602-17620-433	K061031