Tech Guide
Chevrolet Camaro LT1 TVS2650 Supercharger

Harrop Engineering develops and manufactures premium supercharger kits for customers globally. Since 1955 Harrop have successfully designed and manufactured components for OEM's, Motorsport Teams, Car Builders and Enthusiasts. Harrop Engineering Australia and USA is certified to ISO 9001 standards with superior quality, performance and vehicle integration the foundation of Harrop Performance Products.

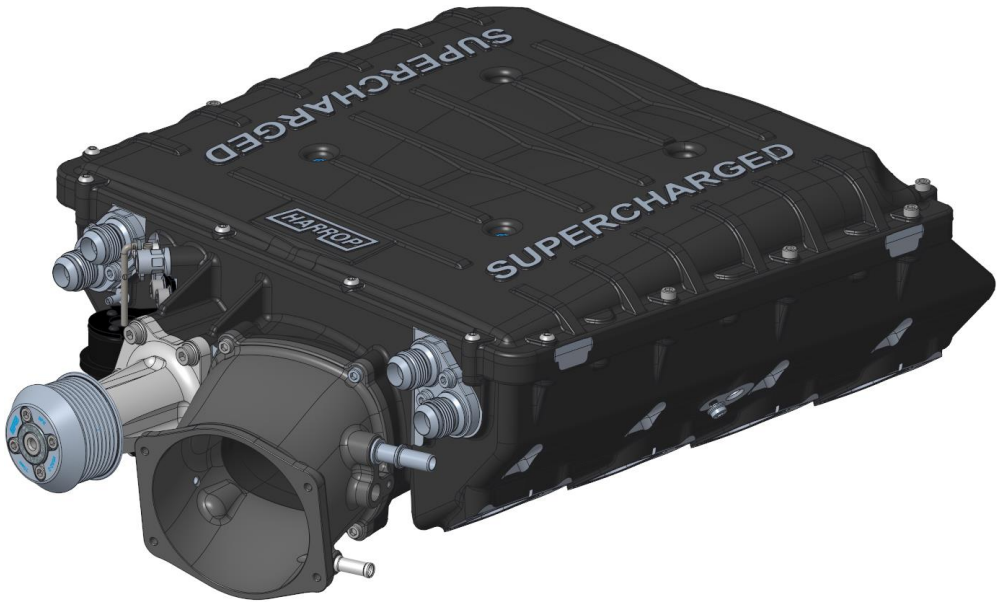
*Shown with compatible K&N CAI kit 63-3099

Key features

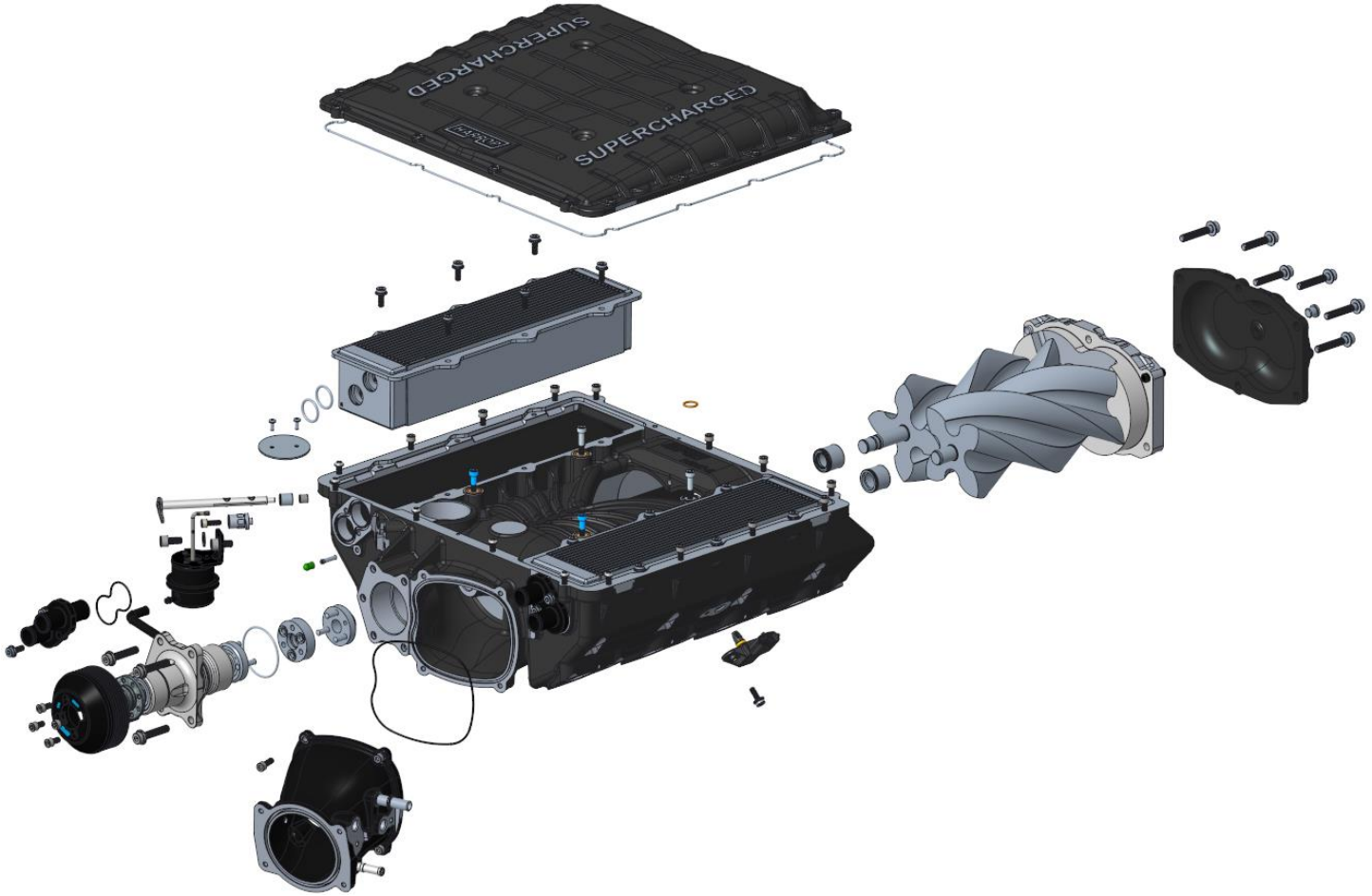
- Increase peak power by up to 40%
- Increase peak torque by up to 35%
- Compatible with all LT1 powered 6th gen Camaro's
- OEM style appearance and packaging
- Complete vehicle kit for installation
- No other modifications required
- High efficiency TVS2650 supercharger is 52% larger than the OEM LT4 1740 supercharger
- Integrated bypass valve for increased efficiency at low engine loads
- Twin dual pass intercooler cores
- Large low temp intercooler radiator
- Retains standard Camaro air box using the supplied OEM LT4 clean air tube
- 95mm supercharger pulley achieves peak boost of ~9.5 PSI
- Vehicle retains all OEM body control functionality
- Includes genuine GM LT4 4 bar TMAP sensor
- Port available to connect boost gauge
- CARB EO certification pending

Upgrades

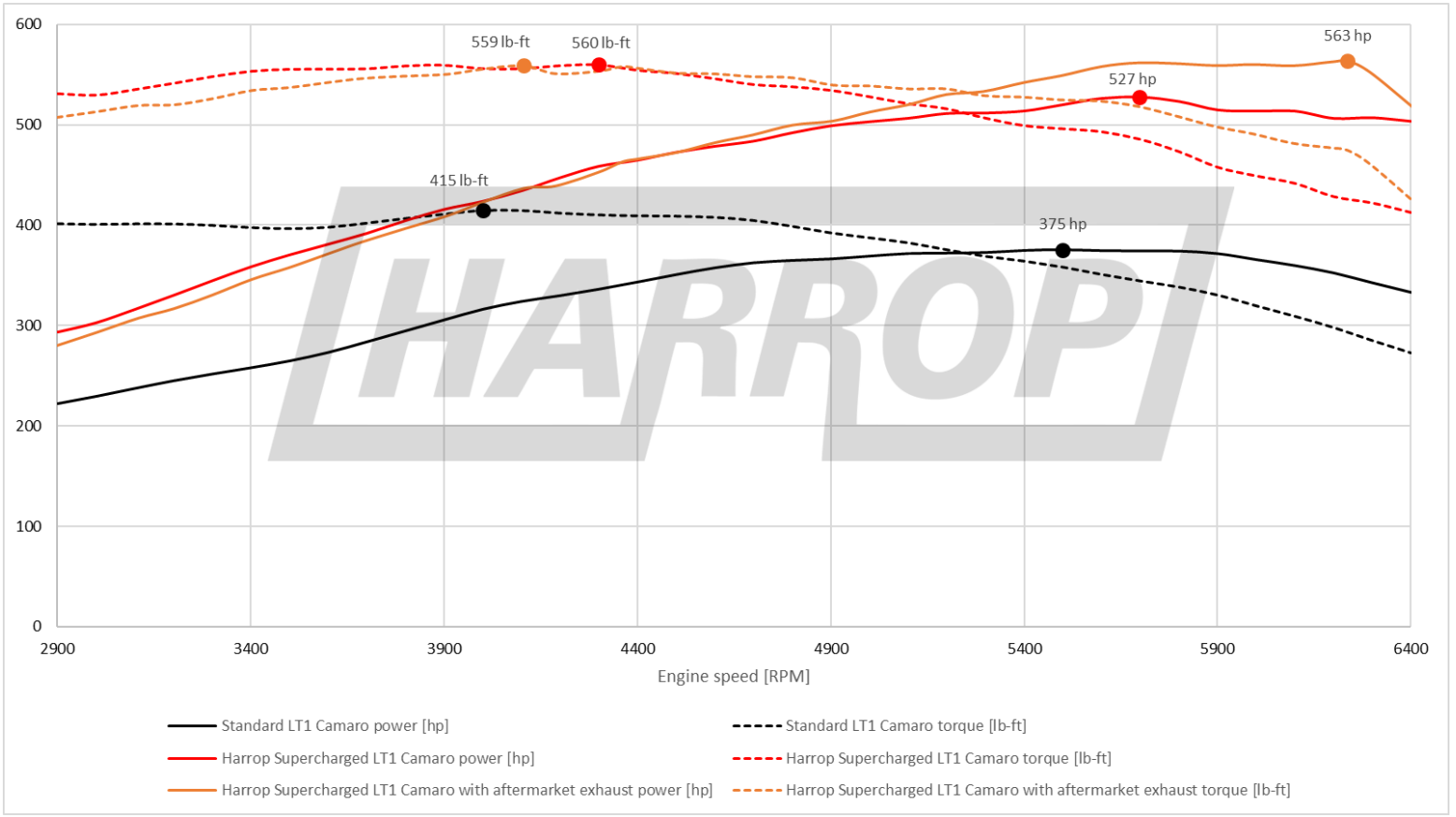
- Due to limitations with the OEM 6PK belt drive, the only available 6PK pulley size is 95mm.
- To increase the supercharger drive ratio, the vehicle must be upgraded with an 8PK LT4 supercharger belt drive setup.
- 10PK supercharger pulleys are also available to suit aftermarket 10PK LT4 belt drive systems.
- Upgraded throttle body adaptors are available to run larger aftermarket throttle bodies.
- Upgraded -12 AN intercooler fittings are available to suit custom intercooler systems.
- The standard fuel system in an LT1 Camaro is near its limit at ~9.5 PSI of boost. If boost is to be increased using the upgrades above, the fuel system will also need to be upgraded.
- Port injection kit is available to add port injection plates in conjunction with the stock direct injection system.



Assembly layout



Performance comparisons



2018 Camaro 2SS with 8 speed auto
Measured on the Harrop Mainline ProHub dynamometer on 93 AKI/98 RON fuel at 22°C ambient temp
Performance results will vary subject to variable factors such as weather, dyno type, fuel quality, engine and vehicle condition and configuration.