



Harrop Supercharger Kit – 3rd Generation Tacoma

Harrop engineering develops and manufactures premium supercharger kits in Melbourne, Australia. Through 60 years of automotive performance Engineering, Harrop Engineering have successfully manufactured and supplied Superchargers to Automotive OEM programmes including TRD, Lotus Cars and Ford Australia.

Harrop Engineering is certified to meet ISO 9001 standards of quality. OEM Quality, performance and vehicle integration are the foundation of Harrop Supercharger kits.

Overview: Harrop TVS1900 Supercharger Kit for Toyota 3.5 Litre Dual VVT-i V6 2GR-FKS Toyota Tacoma MY2016-2023

Part number: 99-KSM58K40-CARB **Description:** TVS1900 Supercharger Kit - CARB

Tech Guide

Harrop 2GR-FKS Tacoma Supercharger



04/05/2022

Includes all components required for installation onto a standard Toyota Tacoma with the Dual VVT-i 2GR engine:

- Supercharger intake manifold including charge-air intercooler
- Harrop TVS1900 FDFI Supercharger
- Supercharger idler brackets Pulleys and Supercharger drive belt
- Plug-in wiring looms for all necessary engine sensors – IAT breakout from MAF sensor and Intercooler pump loom
- Front-mount intercooler radiator, Electric Intercooler pump, Coolant Reservoir and moulded hoses
- Interfaces with OE throttle body, Airbox and FEAD
- Retains all factory ancillaries including A/C, Viscous engine fan, Power Steering etc
- Detailed installation instructions – for Tacoma with Dual VVT-i 2GR-FKS engines only
- Calibration included



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Technical specifications:

- Eaton TVS1900 supercharger technology.
- Integrated Supercharger Bypass system which relieves boost under light load conditions, reducing drive loss and improving fuel economy
- High density water to air intercooler system:
- Front mount heat exchanger: Close pitch core matrix at 27mm thick. Overall size is 565x267mm
- In-manifold intercooler: High density fin at 36mm thick
- Minimum 98-RON (93-AKI) fuel must be used
- Re-calibration of the ECU is required
- Supercharger Pulley \varnothing 80, Harrop part number 99-PLY14883
- Supercharger Belt 6PK2170

Performance:

- Power and Torque gains of around 35% are typical for the standard TVS1900 kit, with a boost pressure of 6.5 psi* with \varnothing 80 Drive Pulley.
- OE power was measured at @ 197hp/222 ft lbs

Harrop Tacoma 2GR-FKS Supercharger Testing:

- Harrop TVS1900
- Boost 6.5 psi*
- Pulley \varnothing 80 mm
- Wheel Power 275hp
- Wheel Torque 268 ft/lbs

*Boost pressure can vary 1.0-1.5 PSI depending on ambient conditions and other modifications

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