

SAFARI **ARMAX**

to suit
Toyota LandCruiser 70 Series

SAFARI
4X4 ENGINE



+70% Power*

+110% Torque

***ARMAX ECU w DirectTorque, ARMAX Snorkel, ARMAX Turbocharger, ARMAX Clutch & DPF Back Exhaust**

Power Without Compromise



Safari Engineering Pty Ltd
Melbourne, Australia. www.safari4x4.com.au



X-Series Performance ECU

- IP68 rated for water and particle ingress
- 5-way map selection switch for different driving modes
- Engine & drivetrain protection systems such as EGT (exhaust gas temperature) control and torque reduction on gear change
- OE Style wiring harness with gold plated terminals and IP rated connectors
- Extensive library of calibration files to suit most popular aftermarket performance upgrades
- Reduced fuel consumption
- Powered by M1 Technology
- Designed, engineered and manufactured in Australia
- Remote access for support and updates
- Product and Engine/Drivetrain warranty*



The Safari ARMAX Engine Control Unit (ECU) is designed to work harmoniously with your vehicle's OE Engine Control Unit resulting in more power, more torque, better throttle response, less fuel consumption and less turbo lag. This is all backed up by Safari's sophisticated engine protection systems which are constantly live monitoring your vehicle for total drivetrain safety and ultimate reliability.

The ARMAX ECU has 5 pre calibrated maps for all user conditions but can be altered to suit specific applications. The plug and play wiring harness makes installation quick and easy and vehicle specific mounting bracketry complements the installation. The Safari ARMAX ECU is the total package, no upgrades required, no additional units needed, it is a total system solution specifically designed for your 4x4 vehicle.



Industry leading features such as remote access to allow support and updates to be carried out via ethernet communication, Exhaust Gas Temperature (EGT) Control for ultimate engine safety as well as an IP68 rating are all reasons the ARMAX ECU is the most advanced diesel engine tuning solution available. All back by an industry leading Engine and Drivetrain warranty, the ARMAX ECU provides **Power Without Compromise.**



DirectTorque

The DirectTorque feature is designed specifically for the 70 Series V8 Landcruiser where the ARMAX Engine Control Unit (ECU) takes direct control of the engine's Turbocharger, allowing the engine's torque curve to be altered without restriction. The ARMAX ECU optimises the engine's boost delivery to ensure strong delivery of Low RPM power and torque. Additional benefits are reduced turbo lag, improved throttle response and reduced fuel consumption. Suits both DPF equipped and Non-DPF models.

- Direct Variable Vane Control (DVVC)
- Increased Low RPM Power and Torque
- Reduced Turbo Lag
- Increased Throttle Response
- Reduced Fuel Consumption
- Diesel Particulate Filter (DPF) Compatible
- Retains ARMAX Engine and Drivetrain Warranty*

4" Performance Snorkel

The Safari ARMAX snorkel is designed to act as a regular Safari Snorkel by removing water and dust from the incoming air stream as well as moving the intake to a higher location for cooler and cleaner air. The ARMAX Snorkel is designed to flow more air to the vehicle's engine to work in conjunction with other performance upgrades such as the ARMAX ECU.

A high flowing inlet hose, air cleaner modification and flow tested snorkel design are implemented to ensure the best possible air flow to your vehicle's engine.

- Designed to provide a 100% increase in airflow over the factory air cleaner assembly
- Designed and flow tested by in-house engineers for maximum performance
- Developed in conjunction with other ARMAX™ performance enhancement products
- Water separating air ram
- Safari's own Industrial Spec UV Stabilised Polyethylene
- Water tight, raised air intake



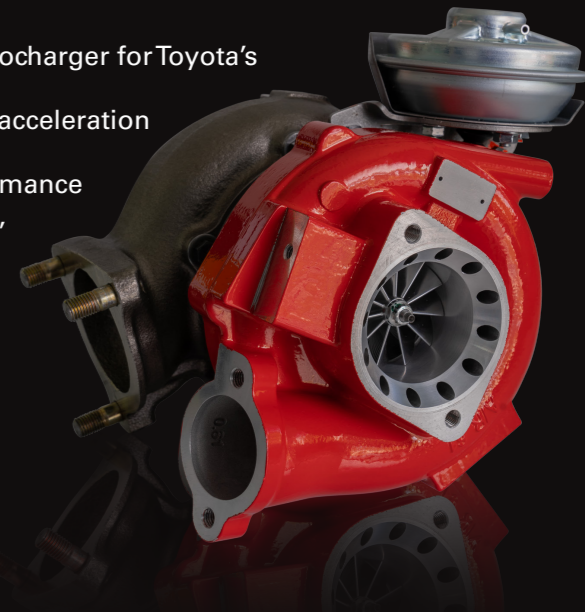
Turbocharger

The professionally developed and engineered Safari ARMAX Turbocharger for Toyota's 1VD-FTV diesel engine delivers amazing performance.

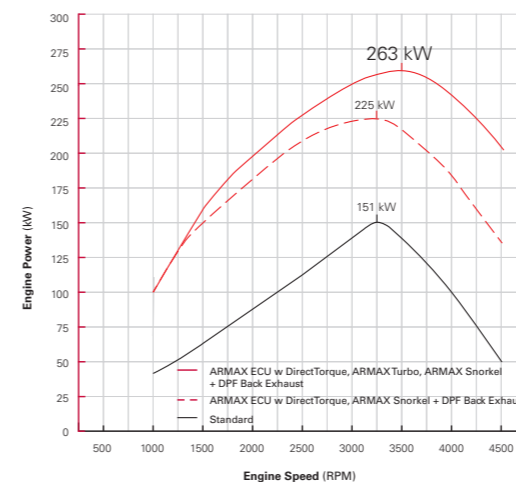
A large number of 70 Series LandCruiser's suffer from decreased acceleration due to added weight from common accessories and/or towing.

The Safari ARMAX Turbocharger is designed to restore lost performance by allowing a larger air capacity through the turbocharger, in turn, offering an increase in engine power.

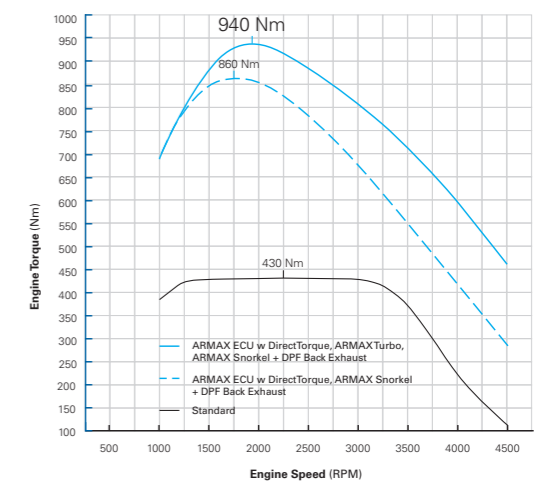
- 25% increased capacity over OE Turbocharger
- Wider compressor map for improved performance
- Billet Compressor Wheel
- Surge Slotted Compressor Housing
- Internal Ball bearing with 360° thrust assembly
- Direct bolt on
- Retains ARMAX Engine and Drivetrain Warranty*



Toyota Landcruiser 70 Series 2016-On DPF kW

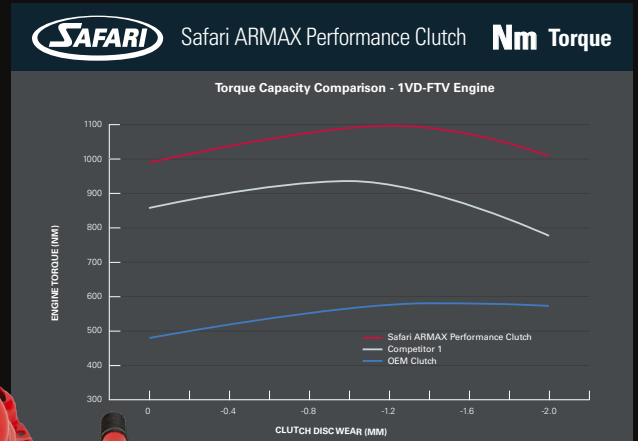


Toyota Landcruiser 70 Series 2016-On DPF Nm



X-Series Performance Clutch

- 250% (1100Nm) increased torque capacity
- Designed for increased power, torque and high GVM applications
- Long service life maintains torque capacity within 10% over the wear rate of the clutch disc
- Standard vehicle pedal feel with improved diaphragm lift control
- Safari ARMAX slave cylinder
- OE drive characteristics
- 12 months 20,000km product warranty



Fuel Pre-Filter



- 98% particle separation (based on 30 micron particles)
- 100% water separation efficiency (based on 300 micron droplet size)
- Designed for OE and/or high output applications
- Prevents premature engine component failure
- Easily serviceable
- In-cab water detection alert
- Retains ARMAX Engine and Drivetrain Warranty*

Oil Separator



- Crank case oil vapour separation
- Reduces intake carbon build up
- Allows clean air delivery to engine
- Maintains performance and fuel consumption
- Reduces engine oil contamination
- Reduces intercooler outlet temperatures
- Serviceable filter
- Fully sealed and internally bypassed



*Must be used in conjunction with the Safari ARMAX ECU to retain



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