

Suitable for HDJ78/79 SERIES LANDCRUISER NEW Q4

unichip.com.au/suitable-for-hdj7879-series-landcruiser-new-q4

SKU: PPTOY12.2-1

Short Description:

MODEL:2002-2006 ENGINE: 1HD-FTE 4.2 DRIVER:
N/A UNI Q4

Description:

PPTOY12.2

The Unichip version Q4 fitted to this HDJ79 series Toyota Landcruiser increased the power by 26.4kw at the wheels, see the dyno power results below:

Power Increase displayed on the graph below:

A massive 40 kw improvement at 2100rpm.
From a stock 50kw at the wheels to an amazing 91kw at the wheels.

The "Low down" torque displayed on the graph below:

A massive 160nm increase at 1800rpm!
Increased from 240nm to 400nm at 1800rpm.

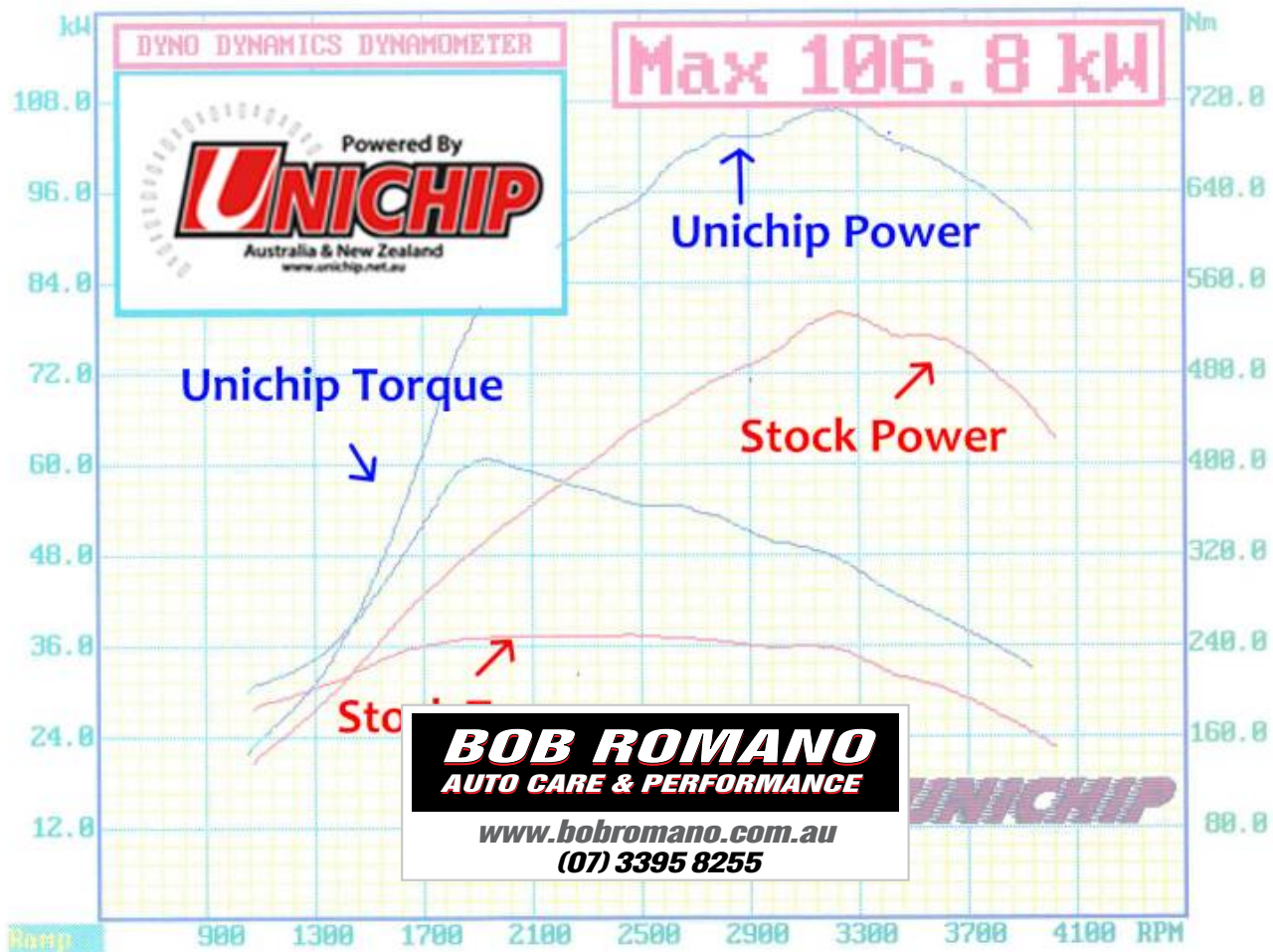


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Nearly eliminating that “turbo lag” feeling. The 6cyl turbo diesel responds great with the extra power. This will also help with “pulling out in traffic”, “towing the caravan up the hill’s” and “taking off at the lights.”

How does the Unichip work on your HDJ78/79 series Turbo Diesel.

- **Fuel Control:** Unichip has complete 3D control over fuel volume across the entire operating range of the engine. This allows the Unichip Trained technician to increase or decrease the fuel volume as required to a safe level . This helps in keeping the Air Fuel Ratios within a safe limit.
- **Injector timing:** This is a unique Unichip feature to have complete 3D control of injector timing.This means we can control the exact time they open to achieve optimised burn of fuel. This will result in lower exhaust gas temperatures and greater engine longevity.
- **Water temp Protection:** This is a built in safety feature using a Unichip Q4. We have the ability to monitor engine temp via the coolant temperature sensor. This allows the Authorised Unichip agent to manipulate the tune on a sliding scale as the engine temperature rises. Meaning: As the engine temperature rises the Unichip Q4 will intercept a signal, removing the fuel and timing slowly and in a controlled fashion to ensure it maintains maximum power and torque output, without compromising the engine.
- **Throttle Booster:** This feature enables the Unichip Q4 to achieve a faster throttle response and reduce turbo lag. Some people pay upward of \$800 for a pedal booster kit. This is a standard feature in the Unichip Australia Plug & Play

Optional Extras

- **Map Select:** This option enables the 5 map capability of the Unichip Q4. This means you can access the 5 maps which can be tailored to your requirements. EG, High Power Map, Towing Map, Standard Map, Immobiliser Map or Even a High Boost or Low Boost Map. Speak to your Authorised Unichip agent to tailor 5 tunes to suit your application.
- **EGT Protection:** This is the “add on” safety feature of the Unichip Q4. We have the ability to monitor engine exhaust temp via the Unichip EGT sensor. This allows the Authorised Unichip agent to manipulate the tune on a sliding scale as the engine temperature rises. Meaning: As the engine temperature rises the Unichip Q4 will intercept a signal, removing the fuel and timing slowly and in a controlled fashion to ensure it maintains maximum power and torque output, without compromising the engine.
- **Boost Control:** This feature enables the Authorised Unichip agent to control boost pressure over the entire engine operating range with the Unichip Q4 and Electronic Boost Solenoid

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