

PPTOY16.3 Suitable for Toyota HILUX D4D.

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SKU: PPTOY16.3

Short Description:

MODEL: 2005- 2015

ENGINE: 1KD-FTV3.0

DRIVER: D4D

UNI: Q4

Diesel Tuning Solution

PPTOY16.3c

This is a
Brand New Product



Suitable for Hilux Plug & Play Unichip and Injector driver! Australia's best Diesel Tuning Solution ONLY available at Unichip Authorised Agents!

After more than 18 months of R&D, Utilising the combined power of the new Unichip Q4 and the Unichip D4D injector driver, we have finally released the winning plug and play combination to suit the Toyota Hilux Turbo Diesel.

The power increase displayed on the dyno Graph below is:

This graph was a 2012 4x2 Hilux with standard wheels & manual transmission, (results will vary from vehicle to vehicle.)

22.7kw Increase!

- From 102.3 kw at the wheels
- To 125.4kw at the wheels

The Torque increase displayed on the dyno graph below is:

100nm Increase!

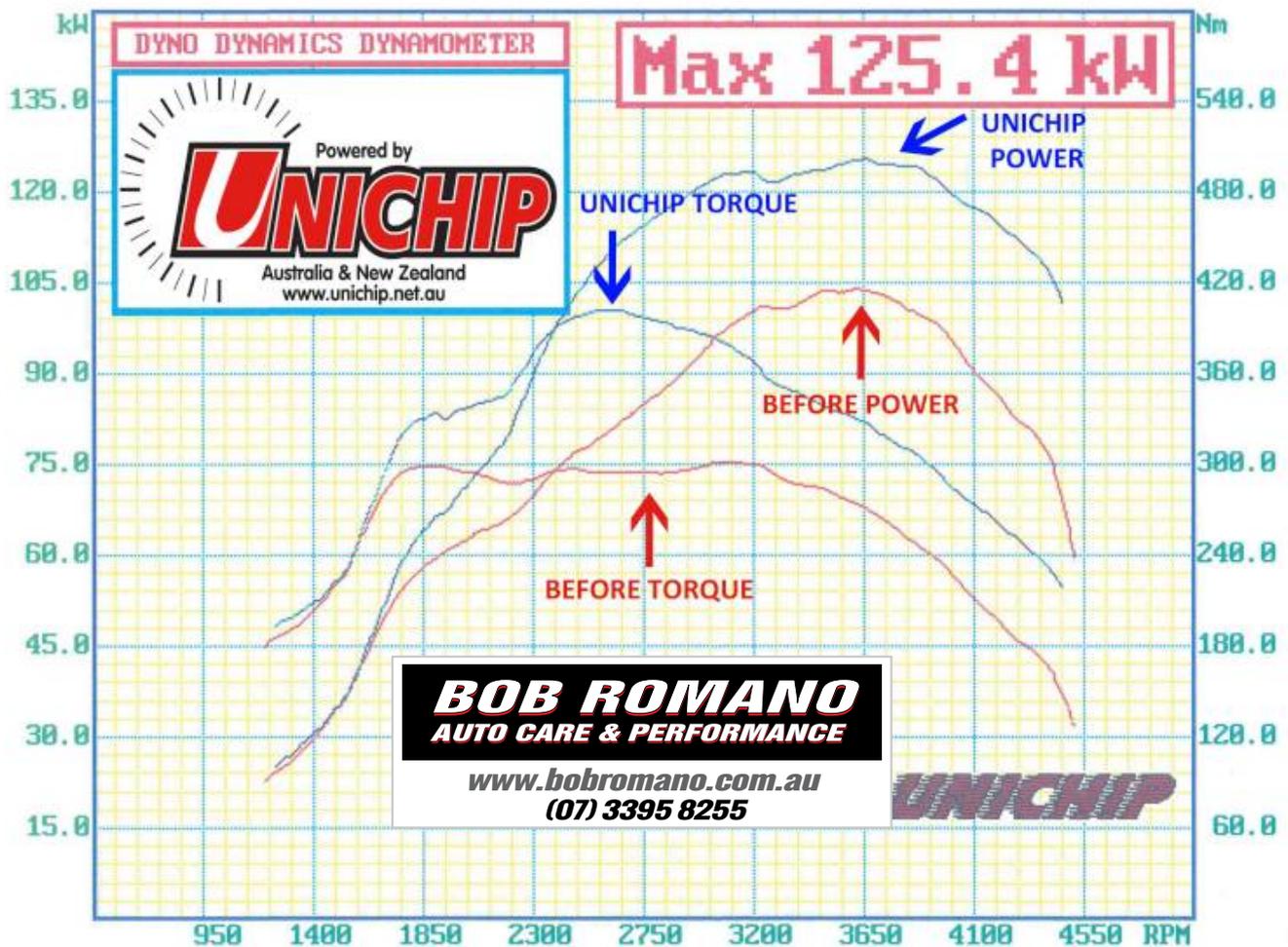
- From 300nm at the wheels
- To 400nm at the wheels

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How does the Unichip work on your HILUX D4D with Unichip I6P Injector Control series ?

- **Boost Control:** Unichip has complete 3D control over boost pressure across the entire operating range of the engine. This allows the Unichip Trained technician to increase the boost pressure as required. 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 fuel burn. This will result in lower exhaust gas temperatures and greater engine longevity.
- **Fuel Rail Pressure:** Unichip has full 3D control of Fuel Rail pressure, the simplest way to increase power on a turbo diesel. However there are rules to follow when increasing fuel rail pressure, these are taken into consideration from all of our trained Unichip Authorised agents.
- **Injector Drivers:** This feature allows the Unichip to have full 3D control of the Diesel Injectors via the Unichip D4D drivers for greater performance and flexibility.

What are the other advantages to the Unichip Q4?

- **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.
- **Water temp Protection:** This is the “built in” safety feature of the new 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, boost and timing, slowly and in a controlled fashion to ensure it maintains maximum power and torque output, without compromising the engine.

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 new 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 Exhaust temperature rises. Meaning: As the exhaust temperature rises the Unichip Q4 will intercept a signal, removing the fuel, boost and timing, slowly and in a controlled fashion to ensure it maintains maximum power and torque output, without compromising the engine

Plug and Play pricing does not include fitting and tuning. Plug and Play Unichip will require fitting and tuning from Authorized Unichip agent.

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