

# Y61 GU PATROL 2007-Present NEW Q4

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SKU: PPNIS18.2

## Short Description:

MODEL: 2007-Present

ENGINE: ZD30DDTI 3.0

CRD DRIVER: I6P

UNICHIP: Q4

PPNIS18.2

## Y61 GU PATROL2007- Present ZD30DDTI 3.0 CRD

The Unichip version Q4 fitted to this GU Patrol increased the power by 58kw at the wheels, see the dyno power results below:

### Power Increase displayed on the graph below:

+28.7kw Increase

Standard: 77rwkw

Unichip: 105.7rwkw

### Torque displayed on the graph below:

+112kw Increase

Standard: 212nm

Unichip: 324nm

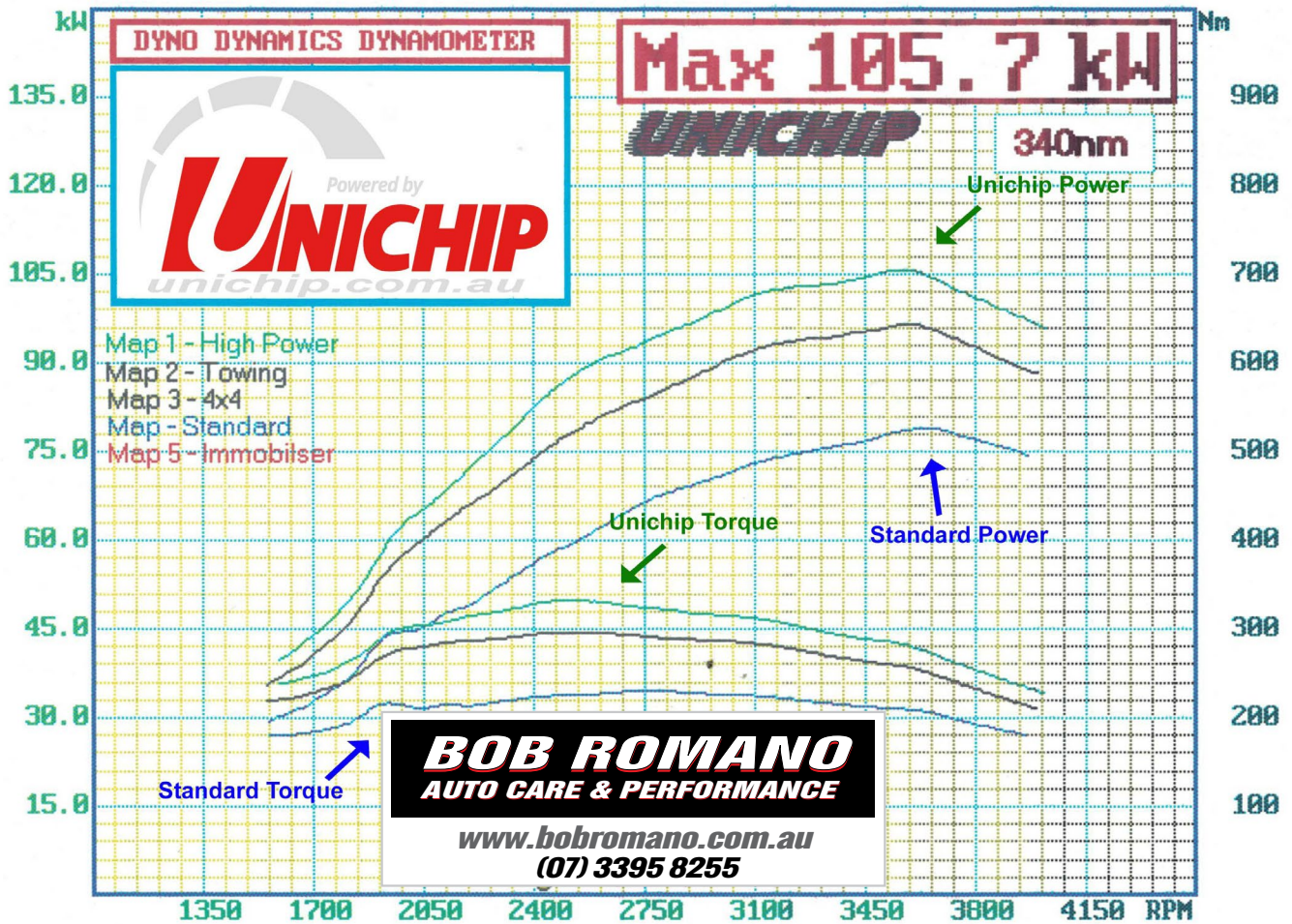


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### How does the Unichip work on your Nissan GU Patrol ZD30CRD?

- **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 Authorized agents.
- **Injector Driver:** This feature allows the Unichip to have full 3D control of the Diesel Injectors via the Unichip I6P driver for greater performance and flexibility.
- **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 Authorized 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.

### **What are the other advantages to the Unichip Q4?**

- **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 Authorized 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 Authorized 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.

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