



**For more information contact:
Richard at Brookside Garage on 016973 42153**

Brookside Garage



NASP Response Chips

Price Range: £399

What is the Response Chip

The Response Chips that we offer uses the very latest technology which utilises the on board diagnostic port, also known as an OBD port. If your ECU is too old and not able to be remapped via OBD then we also have the skills to be able to chip tune your ECU giving the same results.

With the use of an external managing unit such as ours, it is possible to take the manufacturers map off your vehicle, to which it will be stored, and overwrite a performance map in its place. There is no need for removing or opening of the ECU as it is all carried out through the manufacturers OBD port which makes the procedure safe and does not invalidate your warranty.

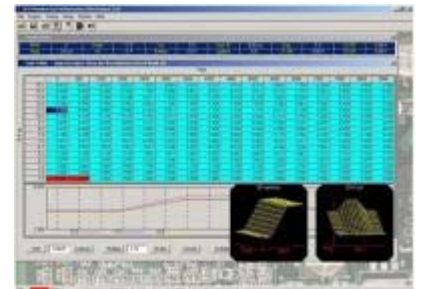


If the power gains we can make are so great, why don't cars come from the factory with maximum power output?

When a manufacturer designs a car, it needs to take into account all factors that will affect the running and reliability of their vehicle. As most cars are sold all over the world, they have to contend with these varying factors: -

- .Temperature and humidity variations from equatorial to arctic regions.
- .Varying fuel qualities.
- .Varying Government emission regulation controls. Cars are designed to cater for all target users from the young to the elderly.

As a result of this, manufacturers detune their vehicles to enable them to sell a standardised vehicle that is suitable for all of their target markets. Here in the United Kingdom we don't suffer from extremes of weather conditions and we have good quality fuels and operating conditions, this enables us to raise the output parameters of the engine safely and allow the engine to show its true potential.



Alfa Romeo Tuning - Audi Tuning - BMW Tuning - Chrysler Tuning - Citroen Tuning - Fiat Tuning - Ford Tuning - Hyundai Tuning - Jeep Tuning - Kia Tuning - Land Rover Tuning - Mercedes Tuning - Mini Tuning - Mitsubishi Tuning - Nissan Tuning - Peugeot Tuning - Renault Tuning - Rover Tuning - Saab Tuning - Seat Tuning - Skoda Tuning - Smart Tuning - Suzuki Tuning - Vauxhall Tuning - Volkswagen Tuning - Volvo Tuning - Car Tuning - Engine Remap - ECU Remap



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Petrol & Diesel Turbo Response Chips

Price Range: £599

ECU remapping (tuning)

When we remap an ECU we are basically fine tuning the program that deals with engine performance. As well as producing greater power and torque we also deal with drivability problems at lower rev ranges such as flat spots and hesitation issues giving the engine more initial torque making a more responsive and enjoyable drive.

Petrol (Naturally Aspirated)

Remapping a petrol engine ECU will produce 10 - 15% BHP depending on exact specification, the engine will also be more responsive on initial acceleration and produce more torque (up to 20%) through out the entire rev range, giving more response on lighter throttle.

Petrol (Turbo)

Remapping a petrol turbo engine ECU will produce 25 - 30% BHP depending on exact specification, the engine will be significantly more responsive with power coming in immediately relative to throttle input with no lagging at higher revs. This large increase in power & torque gives far more flexibility in all gears reducing the need to change down unnecessarily to overtake safely and quickly.

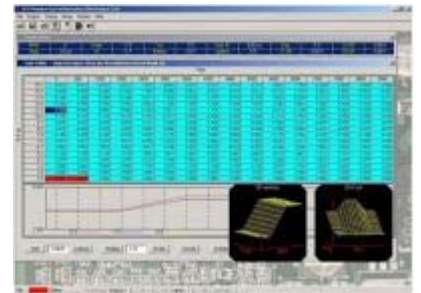
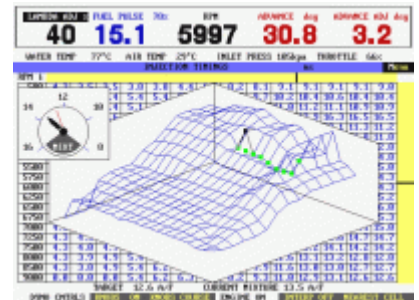
Diesel (turbo)

Remapping a diesel turbo engine ECU will produce 30 - 50% BHP and 60 - 75% torque depending on exact specification, diesel engines give the most impressive power and torque gains available. Extra power is gained through out the entire rev range and under all load conditions, the turning force gained from these engines is immense. This really is the best way of changing your car without having to change your car. Just seeing clients faces after tuning these engines really makes the job worth while.

Serial remapping

Serial port programming allows us to remap an ECU (Engine Control Unit) without removing the ECU from the car, the remapped software is uploaded direct to the ECUs EPROM via the vehicles diagnostic socket, this allows for the performance conversion to be totally invisible with no soldering or removal of components.

**Alfa Romeo - Audi - BMW - Chrysler - Citroen - Fiat - Ford - Hyundai - Jeep
Kia - Land Rover - Mercedes - Mini - Mitsubishi - Nissan - Peugeot - Renault
Rover - Saab - Seat - Skoda - Smart - Suzuki - Vauxhall - Volkswagen - Volvo
Car Tuning - Engine Remap - ECU Remap**





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Petrol & Diesel Response Chips Plus

Price Range: £750

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