

Frequently Asked Questions

What is ECU Remapping?

A Vehicle's ECU (Electronic Control Unit) is essentially the brain of the vehicle.

The ECU contains all the settings that control everything from the vehicle's engine performance, power output, ignition timing, fueling and much more.

When we Remap a Vehicle, we are essentially performing a software update where the default settings are overwritten with new settings that are developed to optimise and refine the vehicle's overall performance.

GoldTech Performance use the latest approved technology, software and equipment to provide a safe Remapping service for your vehicle.

What are the benefits to having my vehicle remapped?

We provide a range of ECU Remapping solutions that will optimise your vehicle's performance and provide benefits such as restoration of lost power, sharper acceleration, extra power through the full rev range, up to 40% additional bhp/torque, safer overtaking ability, improved towing ability, better fuel efficiency and more.

Is it safe to Remap my vehicle?

Our range of Remaps are all developed to increase the power of a vehicle but only to the point where it is safe for the vehicle's standard components to handle.

It is safe to Remap any vehicle as long as the vehicle has been maintained properly and is mechanically sound. We ask that the customer informs us if they know of any mechanical issues prior to the Remap. We may decide not to Remap the vehicle if there is a mechanical issue that will prevent the Remap from being safely implemented. In some cases we will advise that the mechanical problem be sorted out first before we can come back at a later date to carry out the Remap.

If there is a known mechanical fault with the vehicle in question but the customer is still happy to proceed with the Remap, then the customer will need to sign a disclaimer on the day of the remap to confirm this.

If the BHP/Torque can be increased, then why don't the manufacturers just do this when releasing the vehicle?

When releasing new models, the manufacturer needs to adhere to certain laws and standards such as emissions, fuel quality & climate in each country where the vehicle will be sold, therefore there is always limitations on performance in order to meet these standards.

Manufacturers will also limit the performance of their new vehicles so that they can release more refined and powerful models in the future (a profitable method used by manufacturers)

This also means that when the vehicle in question is released as new, the performance is never as

refined as it can be, this is where GoldTech Performance can help.

EGR delete / software bypass, what are the benefits?

Firstly EGR stands for '*Exhaust Gas Recirculation*'

The EGR valve is fitted to try and help lower emissions by recirculating the exhaust gases twice so that they come out cleaner. But by putting hot and dirty exhaust gases through an engine and through the pipework, the EGR valve becomes blocked up over time and the engine loses its efficiency.

Once an EGR valve becomes blocked, it will start to impact on the efficiency of parts of the vehicle such as injectors, turbo etc and if ignored over time the EGR valve will fully block up with carbon deposits (soot) and can cause engine failure.

The cost replacing the blocked EGR valve can potentially be in the region of £500!

GoldTech Performance can delete the functionality of the EGR valve through the Software (software bypass) for a fraction of the cost of replacement. You won't need to worry about a blocked or faulty EGR valve again!

EGR Software Bypass / Delete is ONLY for Off Road Use*

Some useful post Remap tips:

1) We advise that once your vehicle has been remapped that you start to use higher quality fuel / premium fuel (ideally Shell/BP High Octane) Although this is more expensive it is definitely worth doing! The quality of the fuel is much higher and overall better for your engine and its lifespan!

Higher quality fuel will help to maximise the results from the Remap, is better for turbos/injectors and will help to keep your engine healthy the long run, particularly when you have an extra 30% of power available. This is just advice from us but not something that is essential.

2) Even though you have more power to use, we encourage every customer to continue to drive sensibly and enjoy the additional power safely!