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Car manufacturers intentionally limit the performance of cars due to a regulation that requires the engine power to dip between 2000 and 3000 RPM hence the popularity of ECU remapping. ECU remapping optimises and reprograms the car so it can be driven to its full potential such as increased BHP, torque, and fuel economy.

Engine control unit or ECU remapping should be carried out professionally with acute accuracy and precision in order to optimise the ECU remapping changes. ECU remapping is an option many car fanatics choose as the process provides performance engine tuning upgrades. ECU remapping doesnâ€™t involve any changes to the hardware. Instead most cars nowadays function through an ECU which is a computer that controls how your engine operates for example fuel injection and emissions control, power output, spark or ignition timing, measuring coolant and anything else that happens in your engine. Before the ECU remapping process starts, the ECU is connected to a specialist piece of software equipment through a plug so that the maps already on the ECU can be read. A map is the code or settings that are programmed onto the ECU by default. Default ECU settings tend to provide the most efficient way to run the engine however many fanatics opt for ECU remapping to enhance the performance of their engine. ECU remapping specialists have software that reads the ECU to find the optimum settings for the car which is then used to reprogram the ECU with new maps, i.e. ECU remapping. ECU remapping is an extremely fast process which should only take between half and hour to an hour.

Some ECU remapping companies will diagnostically test and provide a detailed report of the engine performance before and after the ECU remapping. You will then be able to compare the differences in power and performance levels giving you peace of mind which areas the ECU remapping have been improved. The benefit of ECU remapping is that the settings can be restored to its original settings if for any reason you are unsatisfied with the result.

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ECU remapping should be as accurate and precise as possible if it is to appeal to a widespread and diverse clientele. Paramount-performance.com has the most sought after, reliable sports exhaust goods.

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