

# MAKING LIFE EASY

DTE Systems have teamed up with PLUG N DRIVE to bring DTE Digital Diesel Tuning Systems to the UK Market. DTE's new tuning system allows its customers to increase their car's performance and improve their fuel economy. DTE Systems use the latest generation of diesel tuning modules, which use revolutionary multi-engine map technology and high performance processors to make it possible to perfect your engine's performance intelligently and safely. Each particular vehicle can be optimised to increase performance, fuel economy and CO2 emissions.

**D**TE is simply the premier brand in diesel engine tuning, with a level of quality, performance and research and service that far outstrips other engine management alternatives. A DTE Tuning system is for people who value the best.

signal between the ECU and the injection system, usually the common rail and basically allows it to inject the perfect amount of fuel into the cylinders, thus producing more torque and power.

#### What makes DTE different?

A DTE Tuning box is not for everyone. DTE is the premier name in the diesel engine tuning market. Our tuning systems are designed and manufactured at Recklingshausen in Germany, with a level of quality, performance and research and service that far outstrips other engine management alternatives. There are cheaper tuning system elsewhere, and if you are working on a shoestring you will find alternatives that suit you more. A DTE Tuning system is for people who value the best, and want to get the very best from their vehicle.

#### DTE Engine Tuning Module

Today's diesel engines have many sensors which are controlled by the vehicles ECU. These signals are processed many thousands of times in one second to maintain that the vehicle is running at its optimum efficiency, and keeping the emissions and economy at acceptable levels. The idea behind the tuning box is to intercept the



Because of this, the engine runs more efficiently, and the fuel consumption is improved because you would have to use less throttle for similar conditions.

#### How the tuning box works!

The same unit is used for a large number of vehicles but different settings are uploaded into the unit. When the box is plugged into your vehicle it will analyse the ECU signals and alter them. This allows changes in injector opening times which increase or decrease the fuel rate to exactly the right amount, thus producing more torque and power.

#### Latest Digital Technology

Using latest digital technology the electronic control unit can give a driving performance so

individual that it as though the original control unit software has been completely changed. Four to eight ignition maps are placed in the memory for the first time that then go into action according to your required driving performance. This means the optimal matching of all control parameters at every level of performance. This is possible through the use of high performance processors that facilitate the detailed real-time scanning of the ignition maps without influencing the internal protection functions.

#### Unique changes for your Vehicle!

A further novelty is the ability of the systems to adapt to the individual characteristics of your vehicle. Over a short running-in period, the memory function detects the individual data for the differing fuel injection cycles. The

information gained in this way provides the basis for the optimisation. The tolerances are then balanced and an optimal result is achieved with every vehicle without having to make any time consuming adjustments by hand.

#### Fuel savings as a useful extra effect

An enhanced ignition map leads to raised levels of efficiency, which in turn leads to reduced fuel consumption. The increase in torque facilitates a driving performance that requires fewer revs per minute and less accelerator pressure to achieve a given acceleration, therefore significantly lowering levels of fuel consumption. According to driving performance, savings of fuel consumption of between 10 per cent and 20 per cent are possible, meaning that your tuning system pays for itself very quickly.

#### Tuning also suitable for diesel particulate filter vehicles

A further advantage of the new add-on electronic control units with enhanced ignition control technology is their compliance with vehicle emissions standards. Through enhanced burning in all areas of vehicle performance, the fuel is 100 percent efficiently used, with soot and smoke being things of the past. Because of this, unrestricted installation of the modules is also

possible in vehicles with diesel particulate filter engines. Compliance with emissions standards is certified through the vehicle specific MOT certification.

- The DTE Systems digital tuning module from Plug N Drive is available for most diesel engines.
- The system features an on-board micro processor which can be specifically profiled with software to suit your exact engine resulting in an optimised engine map, resulting in increased power, improved fuel economy and lower emissions.
- Up to 50+ bhp increase and better fuel economy is possible with this system depending on your standard engine.
- Original equipment connectors enable easy fitting in minutes and can be removed at any time.
- When the system is removed your vehicles engine is automatically reverted to factory settings.
- The DTE system can be re-programmed to fit many other applications if you change your current car.
- All DTE tuning systems are TÜV approved and CE certified and come with a 3 year Replacement product warranty and 12 months engine warranty\* (\*subject to the standard Plug N Drive terms and conditions of sale)

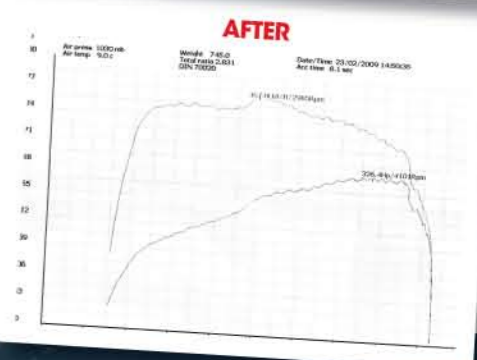
#### BMW X5 xDrive35d performance comparison

Your DTE Diesel Tuning System from Plug N Drive can easily be fitted within minutes, and gives a dramatic increase in the performance of your diesel engine. The graph gives a typical dyno

"YOUR DTE DIESEL TUNING SYSTEM FROM PLUG N DRIVE CAN EASILY BE FITTED WITHIN MINUTES, AND GIVES A DRAMATIC INCREASE IN THE PERFORMANCE OF YOUR DIESEL ENGINE."



run. The car is a BMW X5 xDrive35d. In addition to increased power of around 18 per cent to 326bhp, and maximum torque up 19 per cent to 467lb ft, it is also possible to achieve significant savings in fuel economy. **WD**



\* FREE INSTALLATION AT YOUR PLACE OF WORK AT A TIME THAT SUITS YOU, OR FITTING CAN BE ARRANGED AT ONE OF THE PLUG N DRIVE ® CENTRES.



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For a BROCHURE Call: 08458 626 888 or  
Email: [info@plugndrive.co.uk](mailto:info@plugndrive.co.uk)