



## PLUG IT IN

Can fitting a tuning module really make a difference to your truck's fuel efficiency and performance? We visit Tunit Diesel Performance to find out more

Words and photography: Rob Hawkins

Plugging in a tuning module to make a vehicle drive faster and use less fuel sounds too good to be true, but in many cases it can be possible. This is largely thanks to car manufacturers having to set up their engines for a wide range of climates. Even in Europe, cars need to cope with a range of temperatures from -40°C in winter in places such as Poland, to +40°C in the summer in Spain. Consequently, a fine tuned engine can squeeze more torque out of an engine, produce a smoother power curve while making it more efficient, potentially resulting in greater mpg.

Tunit Diesel Performance's tuning module can be fitted to most diesel engines. Common

rail diesel engines are quicker to equip and are in most cases, plug and play. Other engines can be fitted with a tuning module, but may require some modifications to the wiring.

So how does a tuning module work? By altering specific parameters, the fuelling can be increased at certain levels of rpm for instance to help reduce turbo lag. Modifying the fuel delivery can also help to produce a smooth power curve, eliminating flat spots and either extending the point when the power drops off or prolonging the amount of torque.

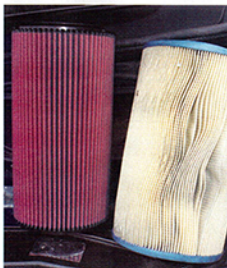
A tuning module, however, isn't a cure for an engine with a known problem. If it misfires, adding a tuning module probably won't fix it. Similarly, a poorly serviced engine will benefit

more from a new air filter and oil change before fitting a tuning module.

The work involved in fitting a tuning module in most cases is relatively straightforward. New wiring supplied in the kit needs to be fitted and secured along with the tuning module that sits inside the engine bay in most situations. The following pages show what's involved and whether it can make a difference.

### COSTS AND CONTACTS

Tunit Diesel Performance  
Tel: 01257 274100  
Website: [www.tunit.co.uk](http://www.tunit.co.uk)  
Tuning module and wiring:  
£350-398 (plus VAT)



Fitting a replacement or performance air filter will help to get the most from a tuning module



Tuning module wiring sits between the vehicle's standard wiring and the fuel injection connector plug on a common rail diesel engine