

DIAGNOSTICS & ENGINE MANAGEMENT

Happy mapping

In this article *PMM* talks to a BHP-UK dealer to find out how ECU remapping has helped to offer his business a unique revenue stream and why customers today are demanding more than just performance improvements.

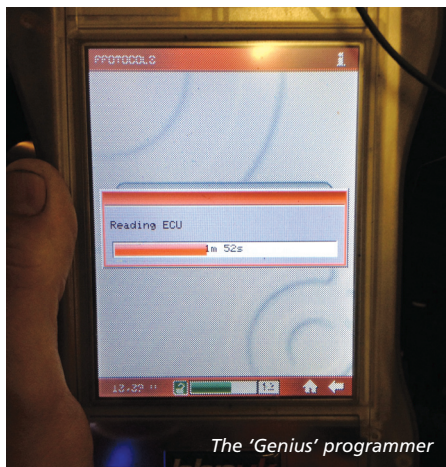
ECU remapping is the procedure used to tailor the common functions set within a vehicle's Engine Control Unit (ECU). For customers, it is a process that can enhance their vehicle's performance, whether that is by reducing fuel consumption and saving money in fuel costs or increasing the power and responsiveness.

BHP-UK is an expert in this area and, through the use of its 'Genius' programmer, the company's network of independent garages (dealers) are able to reap the rewards of this additional revenue-generating service.

The concept of BHP's remapping procedure is fairly simple, as an easy three-step process is followed to revamp and remap to the customer's individual specifications. Firstly, a trained technician reads the ECU file from a vehicle and saves a copy to modify. Then, this ECU file is sent to BHP by the technician, using the 'Genius' tool, before BHP's team of Specialist Engine Tuning Experts at the company's HQ in Lancashire create a custom map. Finally, the remapped ECU file is modified and sent back to the technician, ready

for uploading back onto the vehicle's ECU.

With over 100 dealers across the UK and several more scattered across the world – including Malaysia and Lebanon – more workshops are waking up to the fact that they can earn a tidy profit from ECU remapping, and BHP's presence at the MECHANEX trade shows has further created interest from UK garages.



The 'Genius' programmer

A HAPPY CUSTOMER FUEL INJECTION CENTRE, BOLTON

One such party is Mark Wallwork, owner of the Fuel Injection Centre in Bolton. His business has been part of the BHP-UK network for two-and-a-half years, following a meeting with BHP UK owners – Qal and Fran Shah – at the Stoneleigh Park MECHANEX exhibition in 2011.

The concept of ECU remapping was one that Mark was enthusiastic about investigating and, although he considered various companies across the UK, after speaking to Qal and testing one of his own vehicles, he knew BHP-UK was the right company to work alongside.

"Following our initial meeting, we set-up a demonstration using a VW Bora 1.9TDi," said Mark. "We have a dynamometer, so, initially we conducted a power run and then asked Qal to map it. He explained the process to us – from reading the file, modifying it and then, finally, loading the file to the ECU."