

Introducing: The HandyCAN 3, by Honeywell

As an Authorised Garrett Turbo Specialist, we continue to hold our position at the forefront of the market by adding the latest turbo fault test equipment to our proffered services here at Turbo Dynamics.



Our worldwide customer base will benefit from our recently purchased portable machine, the HandyCAN 3, which is capable of testing vehicles which are equipped with SREA (Simple Rotary Electronic Actuator) and Intelligent REA (Rotary Electronic Actuator) Garrett VNT™ turbochargers and others with electronic actuators. Furthermore, on the more complex REA actuators it can cope with both PWM (Pulse Width Modulation) and CAN (Controller Area Network) versions. This sophisticated device checks both mechanical and electrical functions of the turbo charger's actuator which can be tested with VNT™ mechanism connected or disconnected. This checks function of VNT™ mechanism for free movement, restricted movement or complete lock-up; thereby confirming if any problem lies within the actuator or the VNT™ mechanism.



The HandyCAN 3, by Honeywell, is a dedicated diagnostic tool that will help us quickly and accurately diagnose suspected faults in Garrett turbochargers equipped with electronic actuators. This revolutionary piece of equipment will show whether reported faults lie with the actuator, the VNT™ mechanism or the vehicle that the turbo is fitted to. The production of this machine resulted from Honeywell's studies into on-vehicle diagnosis of "suspected actuator faults" on certain applications, where they discovered an astonishing 40% to 50% of faults were misdiagnosed. The release of this testing equipment comes at a time when the market is saturated with a large and growing number of misdiagnosed "turbo faults" which the unscrupulous and unauthorised turbo repairers are capitalising on. It gives Turbo Dynamics a technical advantage over competitors and further reinforces customers' trust in our company.

The HandyCAN3 follows on from the HandyCAN 1 and 2, which are exclusively used by Honeywell Product Quality and Reliability teams as well as OEM customer teams. The Honeywell e-actuator team have designed the HandyCAN3 exclusively for its Authorised Dealer Network.

By efficiently testing whether the fault is with the actuator VNT™ mechanism or vehicle, TD's customers will receive the correct REA diagnosis each and every time. They will have the peace of mind that the results are backed up, be given the opportunity of having the fault tested whilst the turbo is still fitted to their vehicle and enjoy the possibility of savings money by not having to replace their turbocharger.

We have also recently added a new Warranty Area to our premises at Turbo Dynamics and this tool compliments our already stringent inspection and testing procedures. This development follows our recent expansion; acquisition of new premises and staff to cope with a demand in workload.

Peter Marsh, Managing Director, says "This equipment will save motorists thousands of pounds through proper diagnostics whereas up until now they might have been charged needlessly through misdiagnosis. This equipment will compliment our existing diagnostic and testing centre".

Motorists deserve to know that the complexity of the new "VNT" and "Electronic Actuator" or "REA" range of turbochargers means any attempt to remanufacture these units is fraught with difficulty which could lead to potentially serious problems. To safeguard customer's interests **Garrett** will only supply new replacement units for VNT technology. This is why Turbo Dynamics, as an officially authorised "**Garrett** Parts and Service Centre" only supplies brand new VNT turbochargers instead of remanufactured units. **Garrett** do not supply any part components for these turbochargers.