



# Paisley News



Issue 1 25/05/09 **J . E . P A I S L E Y & C O L T D**

**For all your Diesel Fuel Injection,  
Turbocharger & Auto Electrical  
Requirements**

**4 Nen Street  
Oamaru**

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**VE Top cover seal kits available \$6.50 + GST**

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## Welcome to our North Island members

To the first issue of our quarterly newsletter which helps us keep in touch with our valued North and South Island customers. In it we will try to feature technical hints and tips, along with interesting snippets of information that may be of interest to the automotive industry. As we'll as Diesel fuel injection services we also stock a compressive range of related produces such as non- return valves .

## Our web site is now up and running.

The web address is [www.jep.co.nz](http://www.jep.co.nz) here you will find a **Capricorn** link for our Capricorn customers and a **JEPCO** link for general information, news and specials. The other two links are for customers with small vehicle workshops and heavy vehicle and tractor workshops. All but the JEPCO link are password protected. If you require more information than what you find on the web site, contact us and if it's possible we will endeavour to upload it. Phone us for your user name and password.

## Bosch EPS200 Common rail injector

tester With an increasing number of common rail vehicles on the road, and the growing trend towards common rail engines, the EPS200 will prove a valuable asset for our customers, testing will enable them to eliminate injector faults when diagnosing vehicles, and or the unnecessary replacement of serviceable units at the time of engine overhaul, assuring maximum HP output.



***FREE FREIGHT AND LOLLIES***

Does not apply to parts only sales

**Exchange pumps and injectors Available , ring us with the vehicle model and engine type**

**Authorised Service to the world's leading Diesel Fuel Injection systems**



# J E Paisley & Co Ltd



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**J E PAISLEY & CO LTD** was founded in 1959 by the late Jack Paisley. Specializing then in the service and repair of the Automotive - Industrial and Marine diesel fuel injection equipment

**Today** with a heavy investment in Equipment, Paisleys have kept abreast of the continually changing market and offer a comprehensive repair service for most of today's Diesel Fuel Injection and Turbo Charger equipment

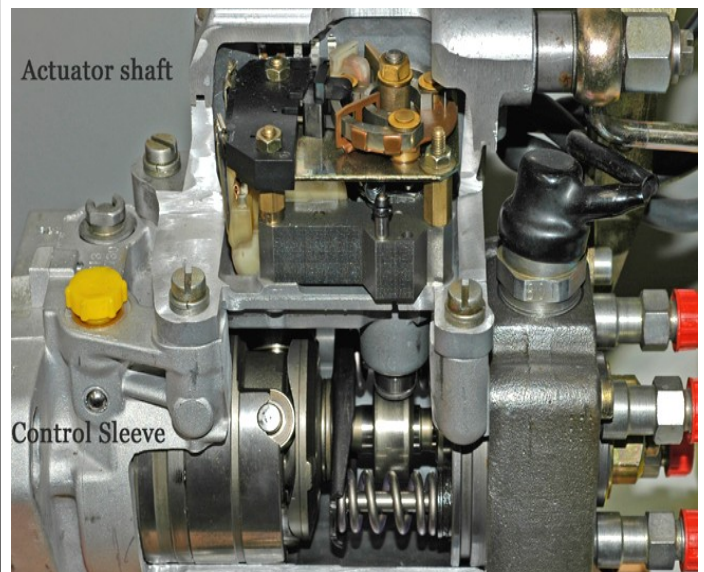
**At Paisleys** a large investment in O E recognized test equipment guarantees fuel and advance adjustments are made to factory settings, this results in maximum performance, economic and cost effective repairs.

**Contact John or Dave for any enquiries**



Unlike the conventional mechanical VE pumps, COVEC rotary type pumps adjust fuel quantity electromagnetically. The control unit receives information from various sensors such as engine and fuel temperature - throttle position, air flow and engine speed and uses this information to perform calculations using programmed set values.

It then outputs control signals to each control section— pump advance (Timing control valve), and fuel delivery via the actuator (Electronic governor) Control sleeve position is detected by the control sleeve position sensor and feed back to the ECU. This ensures precise fuel delivery and advance control. The actuator rotor is then rotated against spring force to increase or decrease fuel delivery. The common complaint of surging at idle is caused by the actuator shaft (rotor) moving erratically beyond the control of the ECU. This indicates worn components inside the actuator and necessitates it's replacement.



**Authorised Service to the world's leading Diesel Fuel Injection systems**

**BOSCH**

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