



# Paisley News



Issue 8 01/12/09 J . E . PAISLEY & C O L T D

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

4 Nen Street  
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*Now South Islands only officially authorised and factory  
equipped Denso V3 service dealer.*

**DENSO**

**DENSO**

***Toyota 2L-TE, 1KZ-TE, 5L-E & 3C-TE***

J E Paisley have recently completed the factory training and invested in the service tools and test equipment necessary to fully overhaul and test Denso V3 resistor and ROM pumps fitted to Toyota 2L-TE, 1KZ-TE, 5L-E and 3C-TE engines. Now these pumps are able to be stripped, cleaned, re-kited and tested at realistic prices. This has come about by our customer demands to have these pumps serviced and tested at a reasonable cost. Our intention in the future is to invest in V4 fitted to Toyota Landcruiser and Denso common rail, but given the heavy investment that will be required in service tools and the necessity of a new test bench, this can only be achieved by your continued support which we greatly appreciate, and your support of our V3 programme.

*For more information, we'll see you at The Great Southern road show in Cromwell, Invercargill and Dunedin*



**V3 ROM pump**



**V3 Resister pump**

**As this will be the last newsletter this year, we would like to wish you, your staff and family a merry Christmas and a safe and happy new year.**

*Product catalogue now online at [www.jep.co.nz](http://www.jep.co.nz) and go to services page*

***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**



**BOSCH**

**ZEXEL**



**STANADYNE**

**DENSO**

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## EPS200 Injector tester

### **Full common rail injector testing facilities available.**

With the addition of the Hartridge IFT actuator, Siemens piezo type injectors can now be tested on the EPS200.

*The tester will perform the following checks;*

- Nozzle leakage test
- Electrical leakage check
- Spray pattern check
- Electrical chatter check
- Idle and Full load fuel delivery measurement
- Backflow quantity
- 1st and 2nd opening pressures on two spring injectors

Bosch, Delphi and Denso and Siemens injectors can be tested with a report supplied for each injectors flow and leakage.



Racor 500FG



Racor 230R

### **Common Rail filtration**

Filtration and water separation are the two critical areas of protection for common rail systems. Filtration of 2 microns is the minimum protection required as a secondary filter. Most manufactures have these fitted as standard equipment and we would recommend only original filters be fitted when servicing these units.

Water separation however may not be all it could be, in our experience only the Racor 500FG and 230R units can offer near 100% water removal. These units fitted with a warning buzzer should be installed as close to the tank as possible in order to maximise their protection against water entering the system. Capable of retaining 110 and 58 mls of water (to the probe tip) respectively, allowing the operator to shut down the engine preventing serious damage.

*(Used by the US coast guard)*

Give us a call for your filtration and common rail requirements.

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

**BOSCH**

**DEXEL**

**DELPHI**

**STANADYNE**

**DENSO**