

## VEHICLE CONVERSION CAUTIONARY NOTICES

The following information has been provided by the reporting company in good faith for the use of LPGA Approved Installers only. The LP Gas Association or its members do not accept any liability for the information contained therein.

### General Notice

Generally vehicles with plastic inlet manifolds should not be fitted with single point systems in view of the danger of damage should a backfire occur

### Citroen

<u>Vehicle Model</u> All models with Direct Petrol Injection	
<u>Reporting Company</u> Nicholson McLaren Engines	<u>Reporting Company</u> Nicholson McLaren Engines
<u>Reported Problem</u> Combustion damage to petrol injectors	<u>Reported solutions</u> Do not convert

### Ford

<u>Vehicle Model</u> Focus – 1600cc – (1998 – mid 2000)	
<u>Reporting Company</u> Hendy Lennox Special Vehicle Centre PowerTorque	<u>Reporting Company</u> Hendy Lennox Special Vehicle Centre
<u>Reported Problem</u> May suffer valve degradation on constant motorway use	<u>Reported solutions</u> This engine has hydraulic tappets – use hardened valves and seats

<u>Vehicle Model</u> Focus – 1600cc – (mid 2000 – 2002)	
<u>Reporting Company</u> Hendy Lennox Special Vehicle Centre	<u>Reporting Company</u> Hendy Lennox Special Vehicle Centre
<u>Reported Problem</u> May suffer valve degradation on constant motorway use	<u>Reported solutions</u> “Shim” tappets – check clearances every 25000 miles (warn customer in writing of risk)

<b><u>Vehicle Model</u></b> Focus – Zetec and Duratec 1800cc and 2000cc – (1997 onwards)	
<b><u>Reporting Company</u></b> Hendy Lennox Special Vehicle Centre	<b><u>Reporting Company</u></b> Hendy Lennox Special Vehicle Centre Nicholson McLaren Engines
<b><u>Reported Problem</u></b> Valve Degradation	<b><u>Reported solutions</u></b> Fit LPG gas cylinder head assembly (not available 2001 onwards - warn customer in writing of risk)

<b><u>Vehicle Model</u></b> Mondeo – Zetec and Duratec 1800cc and 2000cc – (1997 onwards)	
<b><u>Reporting Company</u></b> Hendy Lennox Special Vehicle Centre	<b><u>Reporting Company</u></b> Hendy Lennox Special Vehicle Centre Nicholson McLaren Engines
<b><u>Reported Problem</u></b> Valve Degradation	<b><u>Reported solutions</u></b> Fit LPG gas cylinder head assembly (not available 2001 onwards - warn customer in writing of risk)

<b><u>Vehicle Model</u></b> Galaxy – 2300cc – (2000-2002)	
<b><u>Reporting Company</u></b> Hendy Lennox Special Vehicle Centre	<b><u>Reporting Company</u></b> Hendy Lennox Special Vehicle Centre
<b><u>Reported Problem</u></b> May suffer valve degradation on constant motorway use	<b><u>Reported solutions</u></b> Engine appears to be OK for short journeys / warn customer in writing of risk

**Honda**

<b><u>Vehicle Model</u></b> CRV	
<b><u>Reporting Company</u></b> Nicholson McLaren Engines PowerTorque	<b><u>Reporting Company</u></b> Nicholson McLaren Engines
<b><u>Reported Problem</u></b> Valve Degradation	<b><u>Reported solutions</u></b> Fit hardened valves and seats

## Mercedes

<u>Vehicle Model</u> Sprinter - 2001	
<u>Reporting Company</u> PowerTorque	<u>Reporting Company</u> PowerTorque
<u>Reported Problem</u> Valve Degradation	<u>Reported solutions</u> Believe due to a base petrol engine problem with the EGR System which can generate very high engine temperatures resulting in valve / exhaust damage

## Mitsubishi

<u>Vehicle Model</u> All models with Direct Petrol Injection	
<u>Reporting Company</u> Nicholson McLaren Engines	<u>Reporting Company</u> Nicholson McLaren Engines
<u>Reported Problem</u> Combustion damage to petrol injectors	<u>Reported solutions</u> Do not convert

## Nissan

<u>Vehicle Model</u> Almera - 1800cc (1999-2001) Primera – 1800cc (1999 – 2001)	
<u>Reporting Company</u> Hendy Lennox Special Vehicle Centre	<u>Reporting Company</u> Hendy Lennox Special Vehicle Centre
<u>Reported Problem</u> Engines not built for LPG <u>unless</u> ordered as such when new from Nissan direct	<u>Reported solutions</u> Fit hardened valves and seats

<u>Vehicle Model</u> Primastar – 2.0 – 2003 model onwards	
<u>Reporting Company</u> Beacon Technology Ltd	<u>Reporting Company</u> Beacon Technology Ltd
<u>Reported Problem</u> Soft valve seats	<u>Reported solutions</u> Require valve seat protection

## Renault

<u>Vehicle Model</u> All models with Direct Petrol Injection	
<u>Reporting Company</u> Nicholson McLaren Engines	<u>Reporting Company</u> Nicholson McLaren Engines
<u>Reported Problem</u> Combustion damage to petrol injectors	<u>Reported solutions</u> Do not convert

<u>Vehicle Model</u> Traffic 2.0 – 2003 model onwards	
<u>Reporting Company</u> Beacon Technology Ltd	<u>Reporting Company</u> Beacon Technology Ltd
<u>Reported Problem</u> Soft valve seats	<u>Reported solutions</u> Require valve seat protection

## Toyota

<u>Vehicle Model</u> Avensis VVTI	
<u>Reporting Company</u> Nicholsen McLaren Engines	<u>Reporting Company</u> Nicholsen McLaren Engines
<u>Reported Problem</u> Valve degradation	<u>Reported solutions</u> Adjust Valve clearances every 25000 miles ( AG in Holland replace valves and seats at time of conversion)

<u>Vehicle Model</u> Hi-Ace – 27000cc 16v 105kw 3RZ-FE (code)	
<u>Reporting Company</u> Hendy Lennox Special Vehicle Centre  <u>Reported Problem</u> Valve degradation	<u>Reporting Company</u> Hendy Lennox Special Vehicle Centre Nicholsen McLaren  <u>Reported solutions</u> Do not convert without changing valves and valveseats

## Vauxhall

<u>Vehicle Model</u> Vivaro 2.0 – 2003 model onwards	
<u>Reporting Company</u> Beacon Technology Ltd  <u>Reported Problem</u> Soft valve seats	<u>Reporting Company</u> Beacon Technology Ltd  <u>Reported solutions</u> Require valve seat protection