



Owner Operation Manual

LPG Vehicle Service Book

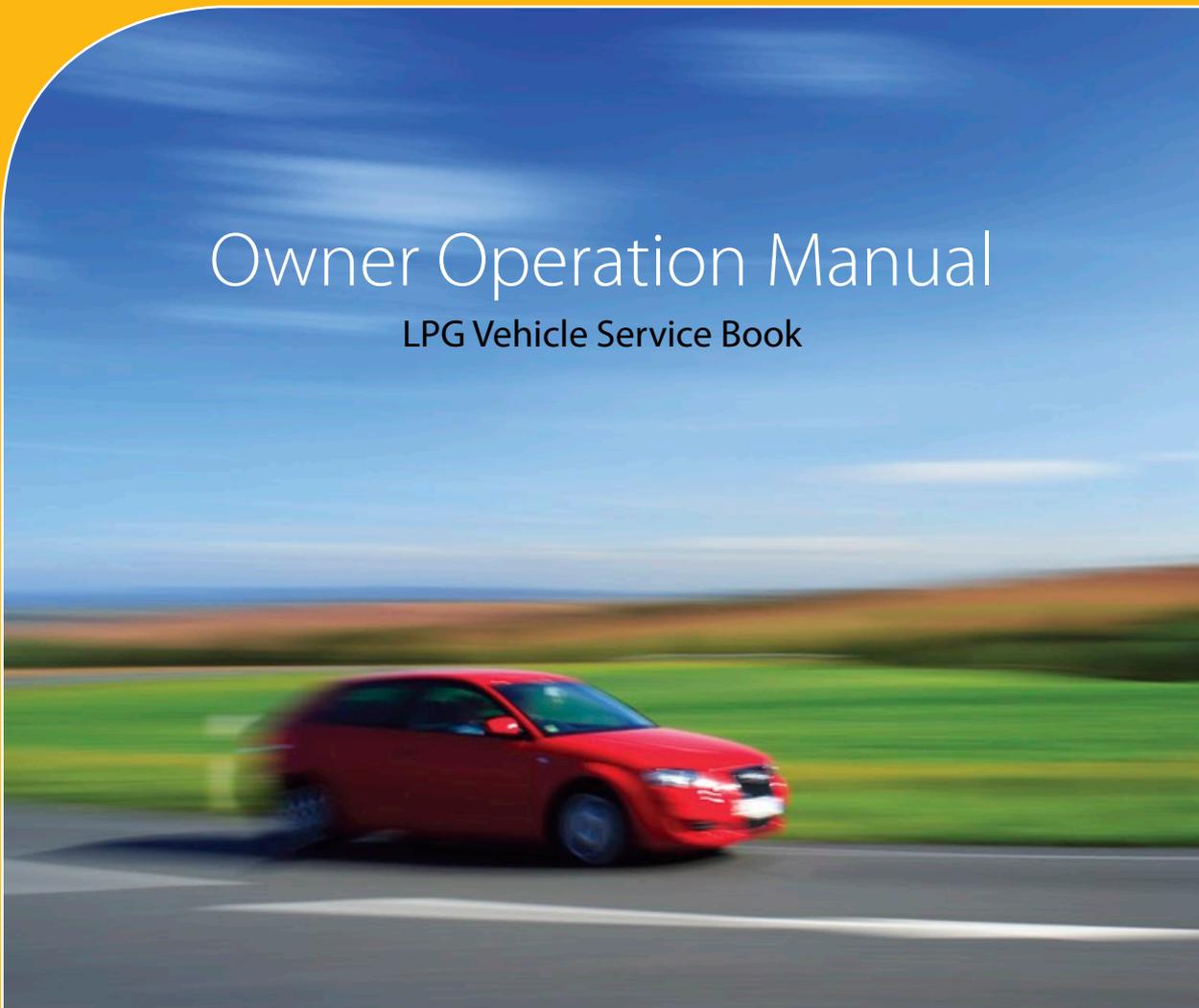
Sales Office

5/25 Jersey Road
Bayswater, Vic 3153
Australia
T 03 9720 0056
F 03 9720 0058

Conversion Centre

245 Johnston Street,
Abbotsford, Vic 3067
Australia
T 03 9419 4100
F 03 9417 5971

E sales@boemo.com.au
www.boemo.com.au





Congratulations

on having BE Autogas System fitted to your vehicle

In developing this latest generation of BE. Autogas Systems, the company has drawn upon many years of experience and automotive technology from around the world. This enables us to supply your vehicle with robust equipment of the highest quality & performance.

This owner service manual has been supplied to help you better understand your new state of the art Easyjet System, which if maintained properly will give you many years of motoring with reduced running cost.

Boemo Engineering Management

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Warranty Data

Please fill in all details listed below. Failure to do so may void warranty

Owner's Name:	<input type="text"/>						
Address:	<input type="text"/>						
Town/ Suburb:	<input type="text"/>	State:	<input type="text"/>	Post Code:	<input type="text"/>		
Make:	<input type="text"/>	Model:	<input type="text"/>	Type:	<input type="text"/>	Year:	<input type="text"/>
Engine Type:	<input type="text"/>	Klm's:	<input type="text"/>	Reg No:	<input type="text"/>	Vin:	<input type="text"/>
Date of Conversion:	<input type="text"/>	Kit Type:	<input type="text"/>	Kit No:	<input type="text"/>	Tank Serial No:	<input type="text"/>
Dealer's Name:	<input type="text"/>						
Address:	<input type="text"/>						
Town/ Suburb:	<input type="text"/>	State:	<input type="text"/>	Post Code:	<input type="text"/>		
Service Manager Name:	<input type="text"/>				Phone:	<input type="text"/>	

Warranty Statement

Your warranty consists of the replacement of faulty parts and labour related to the components in the Genuine Conversion Kit as supplied by Boemo Engineering Pty Ltd the company, & fitted by a BE Autogas Dealer. You are advised that your warranty will be null and void if anyone other than a company approved BE Autogas Dealer works on the BE Autogas System. The company will not guarantee any component that has been tampered with for any reason by anyone unauthorised, nor will it cover any electronic component due to water or oil spill damage of any kind, or any connection or the like, of any added wires to the vehicle that may have caused an electric short or damage of any kind by such a connection. The company will not be responsible for damage or deterioration of any component due to any impurity of L.P. Gas, petrol, oil or additive that has been or not been used in the vehicle. No warranty is expressed or implied by the company for any other part or component of the vehicle other than that applying to the BE Autogas System, nor will it be liable for any wear to the engine or its components attributed to the use of L.P. Gas, petrol, oil or any additive of any type. The company shall not be responsible for or cover you for any costs in part or in full of any debt paid or not that you incur, these include but are not limited to towing fees, freight charges, taxi fares, work carried out without our written approval, incurred either before, during or after the warranty period.

Your LPG System

COMMONLY ASKED QUESTIONS

Q What is LPG?

A LPG (Liquified Petroleum Gas) is a mixture of Propane and Butane gases of varying percentages. Both are obtained as a result of refining oil or Natural gas.

Q Will I notice any loss of power?

A Under normal driving conditions you should not experience any loss in performance. The only time you may notice a slight reduction is under maximum acceleration.

Q What happens if I run out of LPG while I am driving?

A You will be able to change from one fuel to the other at any time, using an internal switch.

Q Will LPG effect my engine?

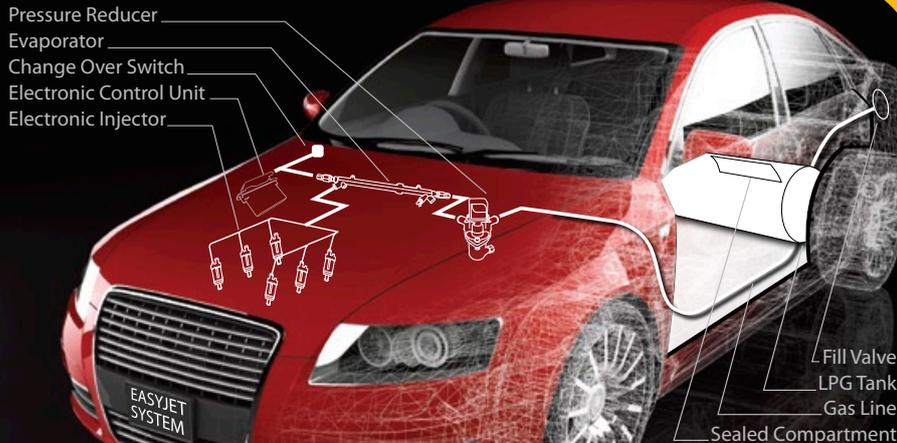
A No, LPG will not harm most engines. Providing you follow the service programme laid out in the rear of this booklet. LPG is a cleaner burning fuel and will actually reduce wear and tear on your engine

Q Can I overfill the tank?

A No, because the LPG tank is fitted with an automatic shut off valve that will prevent over filling.

Q Will fitting LPG effect my insurance policy?

A No, LPG will not effect your insurance policy, but you are required to advise your insurance company that your vehicle now runs of LPG.



This illustration shows the basic layout of your LPG System

Change Over Switch

Change



The Change Over Switch is of compact size. It can be placed anywhere on the dashboard. The vehicle always starts by running on petrol and switches automatically to gas.

You can change from petrol to gas or gas to petrol just by pressing the button.

Over Switch

INSTRUCTIONS FOR SELECTING FUEL

Manual Fuel Selection

The following sequences indicate the various switch stages.



The vehicle is running on petrol. By pressing the button, the type of fuel can be changed.



The vehicle is still running on petrol but is ready to switch to gas as soon as the vehicle achieves the right fuel change conditions. The green LEDs flash.



The vehicle has switched to gas and the indicator shown the fuel level inside the gas tank is at maximum allowed level.



The vehicle has switched to gas and the indicator shows the fuel level in the gas tank has dropped to $\frac{3}{4}$ of the maximum allowed tank capacity.



The vehicle has switched to gas and the indicator shows the fuel level in the gas tank has dropped to 1/2 maximum allowed capacity.



The vehicle has switched to gas and the indicator shows the fuel level in the gas tank has dropped to 1/4 maximum allowed capacity.



The vehicle is running on gas and the indicator shows fuel reserve condition has been reached inside the gas tank. The LED flashes.

Automatic Petrol/Gas Switchover



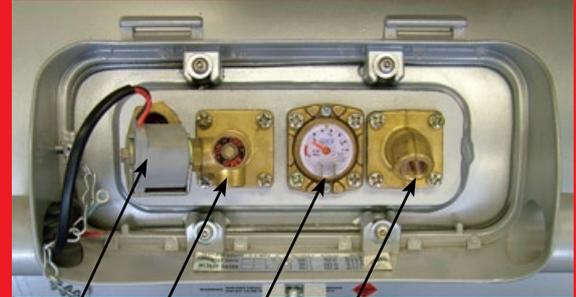
The vehicle always starts by running on petrol and switches automatically to gas when the correct temperature conditions set in the system are reached. The LED's all flash together.



The LED's stop flashing and stay on steady. AT this point the vehicle runs on gas. The LED's may be on altogether or in part according to the quantity of fuel in the gas tank, as shown in the "manual switchover" paragraph.

LPG Tank & Valves

LPG Tank & Valves



Relief Valve
Service Valve
Contents Gauge
Automatic Fill Limiter Valve

Loosen Wingnut and remove lid from valve safety compartment to get your shutoff valve.



The fully sealed valve safety compartment on your LPG tank.

Refuelling Instructions

HOW TO FILL YOUR LPG TANK

- First make sure the dispenser is on the side of your vehicle that makes it easy to connect.
- Turn your ignition switch OFF.
- Apply your hand brake.
- Do not smoke or use a mobile phone while filling your LPG tank.
- Unscrew your filler valve cap.
- Connect filling nozzle and tighten only by hand.
- Pull handle back to start filling, check for any leaks.
- When the tank reaches 80% full the AFL valve will automatically shut off, you then release the handle to stop the gas flow. You may then remove the filling nozzle and replace it back on the bowser. (*A slight puff of gas will be release when removing the nozzle. Don't be alarmed, this is normal.*)
- Now replace your filler valve cap.

Caution:

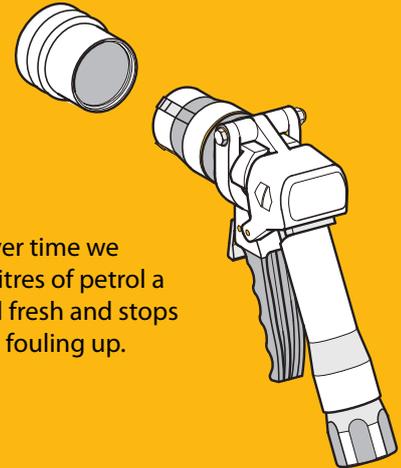
Always Follow the filling instructions and warnings that are displayed at the filling station



HOW TO FILL YOUR PETROL TANK

Petrol: The petrol tank should always be kept at least $\frac{1}{4}$ full at all times. This will avoid damage to the petrol pump. Remember to NEVER let the car run out of petrol.

As petrol may deteriorate over time we recommend use at least 10 litres of petrol a month. This keeps the petrol fresh and stops your carburettor or injectors fouling up.



Emergency Procedure's

WHAT SHOULD I DO

If there is a strong smell of LPG?

1. Turn off your engine
2. Open your boot and/or bonnet manually
3. Close the services valve on the LPG tank
4. Check that there is nothing that may ignite the gas either in or around the vehicle
5. Allow time for the LPG to disperse (remember that LPG is heavier than air and will lay in the lowest part of the boot)
6. When the smell of LPG has disappeared the vehicle may be restarted on petrol only and driven to your nearest approved installer.
7. Remember never 'garage' the vehicle until it has been repaired.

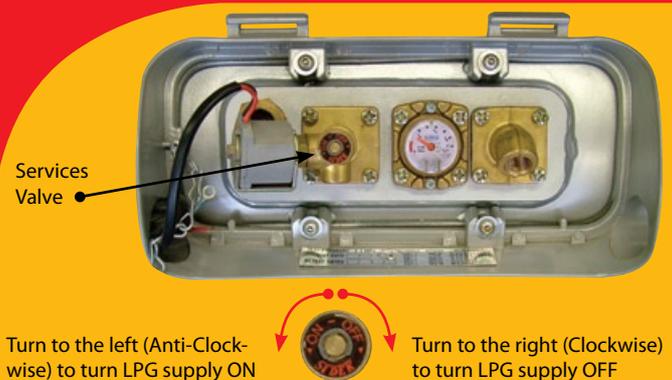
If there is an accident.

1. Turn off the engine and all electrics
2. Go to the LPG tank and close the LPG service valve

3. Check that there are no fires or sparks etc.
4. If driveable do not use the LPG until an approved installer has thoroughly checked it over.

If there is a fire

1. If the situation is at all dangerous clear yourself and everybody else near the vehicle well away. Otherwise, if at all possible, close the LPG service valve on the tank.
2. If you have an extinguisher, try to put out any fires.
3. If not or you are unable to do so, call the Fire Brigade or Police.



General Information

FREE SERVICE

After approximately 1500 kms it is necessary for you to return your vehicle to the installation centre for a safety check and tuning of the gas system. This service is carried out free of charge unless any other part not belonging to the gas system is found to be defective and needs to be replaced. In this case, you'll either be directed back to the dealer you purchased the vehicle from or if possible your LPG installer can replace the specified part at a cost.

PROGRAMMED MAINTENANCE

Regular maintenance by a qualified technician will ensure efficient operation of your LPG system. After the first free service it is important to follow the indicated maintenance program respective of your location in Australia.

By following the program you are assured of good operation of your vehicle and you will maintain your warranty for either 2 or 3 years as stated.

Please remember your authorised dealer has to stamp the coupon after each service or your warranty will be void.

GENERAL INFORMATION

This chapter lists all the basic recommendations for the LPG maintenance on your vehicle. We suggest that your maintenance services are carried out regularly in order to keep your vehicle running efficiently.

If you are unsure about the maintenance schedule, please contact an authorised installer or phone 03 9419 4100 so that you can be advised properly.

To locate your nearest approved service centre please call 03 9419 4100 Head Office, 03 9720 0056 Sales Office

Authorized Installer

1,500 km Free Service

No Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check LPG converter
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or Details

15,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check the converter filter and if necessary replace it
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or Details

30,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check the LPG converter
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or Details

45,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Replace the converter filter
- Check spark plugs, leads and air filter
- Blow air in the rubber pipe to remove oil residue
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or Details

60,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check the LPG converter
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or
Details

75,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check the LPG converter
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or
Details

90,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check the LPG converter
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or Details

105,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check the LPG converter
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or Details

120,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check the LPG converter
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or
Details

135,000 km Service

Charge to Customer

km's _____ Service No _____

- Check complete installation
- Check the LPG converter
- Check spark plugs, leads and air filter
- Check fuel settings
- Check radiator fluid level & density
- Check switch operation and road test
- Check and replace maintenance sticker

Date _____ Signature _____

Name of service person

Company Stamp
or
Details

Electronic Injector

The new concept JET electronic injectors have been developed expressly for the EasyJet gaseous injection system.

Offering a high standard of reliability and compact dimensions.



Electronic Control Unit

Electronic control unit dialogues constantly with the vehicle's petrol original control unit optimising the performances.

The easy and intuitive wiring allows to convert 3, 4, 5, 6 and 8 cylinders engines.



Pressure Reducer

The VIR reducer, with its innovative shape, incorporates lots of technological innovations. It stands out for small dimension, easy installation, reliable pressure and big gas capacity.



Evaporator

Innovatory component, it is the result of the constant up to dated technological development research. It allows constant mixtures at different engine speeds and thus ensures excellent vehicle driveability.



Your Authorized Conversion Dealer Details:

Dealer's Name:

Address:

Town/ Suburb: State: Post Code:

Phone: Fax: Emergency Contact Person: Phone:

Leaders In Automotive LPG Technology



A Winning Combination