Contents

	A	
Introduction	Page	0•
Safety First!	Page	0•
Roadside Repairs		
Introduction	Page	0.
If your car won't start	Page	0•
Jump starting	Page	0.
Wheel changing	Page	0•
Identifying leaks	Page	0.
Towing	Page	0•
Weekly Checks		
Introduction	Page	Oedi
Underbonnet check points	Page	
Engine oil level	Page	
Brake and clutch fluid level	Page	
Power steering fluid level	Page	
Coolant level	Page	
Battery	Page	
Tyre condition and pressure	Page	
Wiper blades	Page	0•10
Washer fluid level	Page	0.16
Bulbs and fuses	Page	0.16
Lubricants and fluids	Page	0•17
Tyre pressures	Page	0•18
MAINTENANCE		
Routine Maintenance and Servicing		
Vauxhall Frontera petrol models	Page	1A•
Maintenance schedule	Page	
Maintenance procedures	Page	
Vauxhall Frontera diesel models	Page	
Maintenance schedule	Page	
Maintenance procedures	Page	

Contents

REPAIRS AND OVERHAUL

Engine and Associated Systems		
2.0 litre petrol engine in-car repair procedures	Page	2A•1
2.2 litre petrol engine in-car repair procedures	Page	2B•1
2.4 litre petrol engine in-car repair procedures	Page	2C•1
2.3 litre diesel engine in-car repair procedures	Page	2D•1
2.5 litre diesel engine in-car repair procedures	Page	2E•1
2.8 litre diesel engine in-car repair procedures	Page	2F•1
Petrol engine removal and general overhaul procedures	Page	2G•1
Diesel engine removal and general overhaul procedures	Page	2H•1
Cooling, heating and ventilation systems	Page	3•1
Fuel and exhaust system - petrol engine models	Page	
Fuel and exhaust system - diesel engine models	Page	4B•1
Emission control systems	Page	4C•1
Starting and charging systems	Page	5A•1
Ignition system - petrol engine models	Page	5B•1
Preheating system - diesel engine models	Page	5C•1
Transmission	Page	6•1
Transmission	Page Page	7•1
Propeller shafts and driveshafts	Page	8•1
Front and rear axles	Page	9•1
Brakes and Suspension Braking system Suspension and steering	Page Page	10•1
Body equipment Bodywork and fittings	Page	12•1
Body electrical system	Page	13•1
Wiring Diagrams	Page	13•20
REFERENCE Dimensions and Weights	Page I	REF•1
Conversion Factors	Page 1	REF•2
Buying Spare Parts and Vehicle Identification	Page I	REF•3
General Repair Procedures	Page I	REF•4
Jacking and Vehicle Support	Page I	REF•5
Radio/cassette unit Anti-theft System - precaution	Page I	REF•5
Tools and Working Facilities	Page I	REF•6
MOT Test Checks	Page I	REF•8
Fault Finding	Page R	EF•12
Glossary of Technical Terms	Page R	EF•20
Index	Page P	EEeos

0.4 Introduction

The Vauxhall Frontera was introduced into the UK at the end of 1991. At its launch, the Frontera range consisted of a 2.0 litre (1998 cc) petrol engine 3-door model, and a 2.4 litre (2410 cc) petrol engine or 2.3 litre (2260 cc) diesel engine 5-door model. The engines are all well-proven units which have appeared in many Vauxhall vehicles. All engines are of four-cylinder overhead camshaft design, mounted at the front of vehicle with the transmission mounted on its rear.

All models have fully-independent front suspension incorporating upper and lower arms, shock absorbers and torsion bars and were originally fitted with a leaf spring rear axle.

A wide range of standard and optional equipment is available within the range to suit most tastes, including central locking, electric windows and an electric sunroof. An air conditioning system was available as an option on certain models.

In early 1994 a soft-top 3-door model was introduced and in early 1995 the model range was completely revised. A new 2.2 litre (2198 cc) 16-valve petrol engine was bought in to replace the 2.4 litre engine and the 2.3 litre Diesel engine was replaced with a new 2.8 litre (2771 cc) engine. At the same time, the body underwent a major overhaul and the leaf spring rear axle was replaced with a new coil spring rear axle arrangement to improve road-holding and handling. The only other change to the Frontera models range was the introduction of a new 2.5 litre (2499 cc) diesel engine in the middle of 1996.

Provided that regular servicing is carried out in accordance with the manufacturer's recommendations, the vehicle should prove reliable and very economical. The engine compartment is well-designed, and most of the items requiring frequent attention are easily accessible.



Vauxhall Frontera 5-door



Vauxhall Frontera Sport

Your Vauxhall Frontera manual

The aim of this manual is to help you get the best value from your vehicle. It can do so in several ways. It can help you decide what work must be done (even should you choose to get it done by a garage). It will also provide information on routine maintenance and servicing, and give a logical course of action and diagnosis when random faults occur. However, it is hoped that you will use the manual by tackling the work yourself. On simpler jobs it may even be quicker than booking the vehicle into a garage and going there twice, to leave and collect it. Perhaps

most important, a lot of money can be saved by avoiding the costs a garage must charge to cover its labour and overheads.

The manual has drawings and descriptions to show the function of the various components so that their layout can be understood. Tasks are described and photographed in a clear step-by-step sequence.

References to 'left' and 'right' of the vehicle are in the sense of a person in the driver's seat facing forwards.

Acknowledgements

Thanks are due to Champion Spark Plug, who supplied the illustrations showing spark

plug conditions. Certain illustrations are the copyright of Vauxhall Motors Limited, and are used with their permission. Thanks are also due to Draper Tools Limited, who provided some of the workshop tools, and to all those people at Sparkford who helped in the production of this manual.

We take great pride in the accuracy of information given in this manual, but vehicle manufacturers make alterations and design changes during the production run of a particular vehicle of which they do not inform us. No liability can be accepted by the authors or publishers for loss, damage or injury caused by any errors in, or omissions from, the information given.