# VOITVO GLE



# Volvo is proud to announce an addition to their range—the Volvo 760 GLE.

he Volvo 760 GLE is the personification of all the safety, quality and engineering standards which have given Volvo its

legendary reputation.

The new 760 GLE is the result of years of research and development, and represents the largest financial investment ever made by Volvo Car Corporation. As such the car embodies all of the most advanced automotive engineering techniques available today. For example, the new automatic gearbox incorporates overdrive which produces much greater engine efficiency whilst reducing noise level. This, coupled with the new aerodynamic design of the 760 GLE, results in fuel consumption figures not normally associated with cars in its class (see page 37).

The following pages describe in detail the Volvo 760 GLE's truly exceptional driving characteristics and its luxury specification, but there is no substitute for personal experience. So, see your local Volvo dealer. He will be delighted to give you a personal demonstration of the 760 GLE. You'll find him in Yellow Pages, or ring Volvo Concessionaires Customer Services on High Wycombe (0494) 33444 for further information.







# The new Volvo 760 GLE





# -a distinctive side view.





# The new Volvo

Lew people would deny that the Volvo 760 GLE has an individual appearance. And, of course, that's precisely what Volvo set out to achieve. But it wouldn't be a Volvo if the sole purpose was just to concentrate on appearances.

Every line, every angle, every external feature of the Volvo 760 GLE has a practical justification. So what you see in the 760 is an extremely rare thing—a combination of style and efficiency, coupled with Volvo safety, durability

and quality.

### AERODYNAMICALLY DESIGNED.

It's common knowledge that aerodynamics play a great part in reducing a car's fuel consumption. But good aerodynamics also make for enjoyable and comfortable driving by reducing wind noise and general buffeting and increasing visibility. For example, the windscreen pillars on the Volvo 760 GLE are designed in such a way that they use the slipstream to keep the side windows and door mirrors clean.

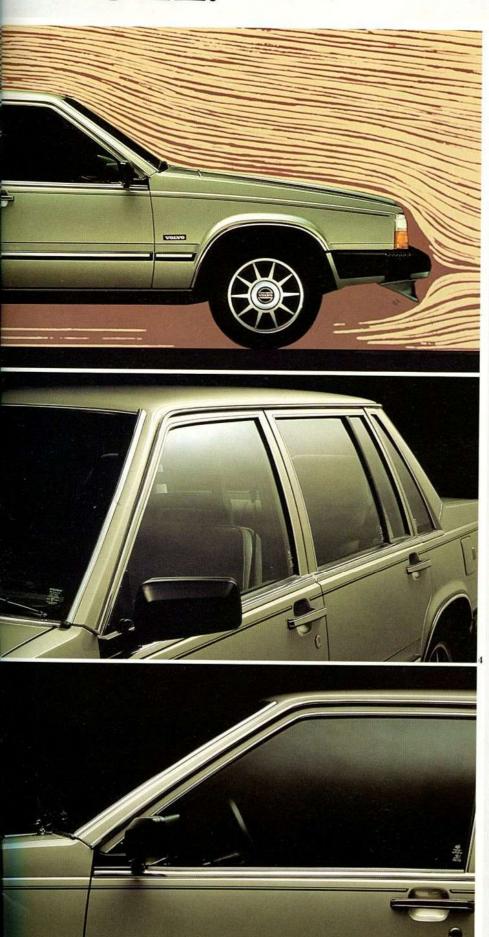


<sup>1.</sup> Optimal design in terms of aerodynamics and spaciousness. The Volvo 760 GLE has an air resistance coefficient value of between 0.39 and 0.40.

2. The shape at the front is crucial to its excellent aerodynamics.

3. The new Volvo 760 GLE has generous head room.

## 760 GLE.



### PLENTY OF HEAD ROOM AND LUGGAGE SPACE.

In the Volvo 760 GLE we have exploded the myth that a car needs to be bullet-shaped and cramped inside to be aerodynamically sound. Its elegant style still allows rear seat passengers to enjoy generous headroom and its cavernous boot swallows up the family's luggage, whilst maintaining an exceptionally good drag co-efficient (between 0.39 and 0.40).

### THE SPOILER.

A front spoiler deflects the air flow from under the car and channels it along the side where the air resistance is lower.

Above the spoiler you'll see the bumper. Its appearance is deceptive. Made from a light alloy, it combines strength with excellent corrosion resistance. Inside the bumpers are special shock absorbers which cushion the shock waves in the event of a low-speed bump, and save body and bumper damage.

4. Flat sides mean that the wind has very little to

get hold of. 5. The laminated windscreen is acutely angled to conform with the rest of the car's aerodynamic shape.



# inside.



# Take the



# wheel.



# Just feel how perfectly

A relaxed and alert driver who has everything under control and close at hand is unquestionably a better driver.

Consequently our research and design teams have invested thousands of man-hours in planning and designing the layout of the driving position. No need to stretch, all the controls are close at hand. Part of the dashboard and the central console is angled towards the driver, bringing the controls all well within reach, with those you use most the nearest.

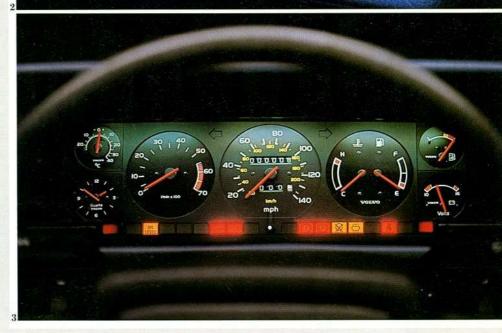
### COMPREHENSIVE INSTRUMENTATION.

The Volvo 760 GLE boasts a comprehensive range of instruments including rev counter, water temperature gauge and volt meter, and warning lights which monitor brake or bulb failure and oil and washer fluid levels. These only light up when something goes wrong or requires attention and so do not distract under normal driving conditions.

Extra instruments are available as accessories.







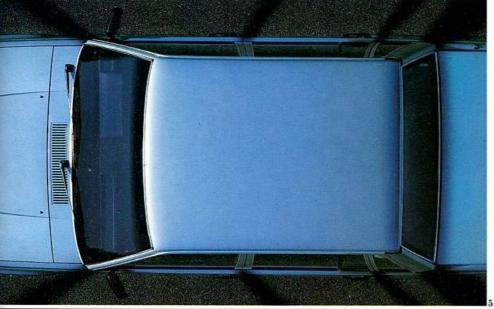
<sup>1.</sup> An unusually comfortable and practical driving area.

<sup>2.</sup> On the angled section of the instrument panel you will find the switches for the headlights and auxiliary lights.

<sup>3.</sup> The easy-to-read instruments are right in front of you.

# everything is positioned.







### AIR CONDITIONED COMFORT.

The Volvo 760 GLE includes a new high output air-conditioning system as standard. This helps to keep you comfortable no matter how hot or cold it is outside. A further benefit is that moisture is condensed out of the car as it is cooled—a welcome advantage on those humid summer days.

### VIRTUALLY NO BLIND SPOTS.

The all-round visibility in the Volvo 760 GLE is achieved by its extra large glass area and the very narrow roof pillars.

In fact, you have more than 90% unobstructed vision in the Volvo 760 GLE. Volvo have also fitted electrically operated door mirrors as standard to give you excellent rearward vision.

<sup>4.</sup> The Volvo 760 GLE has a very efficient air-conditioning system.

<sup>5.</sup> There are virtually no blind spots in the Volvo 760 GLE.

<sup>6.</sup> The door mirrors are electrically operated.

# The superb interior of



# the Volvo 760 GLE.



# Comfort isn't a luxury,

At Volvo we believe that comfort is an essential element of safe driving. An uncomfortable driver can often lack the concentration that is essential for safe driving in today's difficult motoring conditions.

### THE WORLD-FAMOUS VOLVO SEATS.

Volvo's policy of continuous research and development has also resulted in improvements to the incomparable Volvo driving seat. On the 760 GLE there are no less than 16 different height positions for the front seats. The seat belt locks are fitted to the seats, which means that all drivers sit in near perfect comfort, with the seat belt in the correct position. The locks have a built-in light to enable you to locate them easily in the dark.

Both front seats incorporate the famous Volvo lumbar support which helps reduce pressure and strain on the most sensitive areas of the back. Last, but certainly not least, both front seats in the Volvo 760 GLE are electrically heated. The heating element in the driver's seat comes on automatically when the temperature drops below 14°C. The front passenger seat heating is controlled by a switch, so that it only operates when required.







<sup>1.</sup> The famous Volvo driving seat.

<sup>2.</sup> Both front seats are electrically heated.

<sup>3.</sup> There is a practical storage compartment in the arm-rest on the back seat.

## it's an essential.







#### REAR SEAT COMFORT.

Comfort is equally important for rear-seat passengers. The spacious rear seats, like the front, are the result of considerable medical research, and give your passengers an extremely comfortable journey no matter how far you're travelling.

#### SOMEWHERE TO PUT THINGS.

The Volvo 760 GLE has a total of ten different storage areas, including a large illuminated glove compartment—complete with vanity mirror—two more spaces in the central console and more in the rear arm-rest and between the front seats.

### INTERIOR LIGHTING.

In the Volvo 760 GLE you'll find a reading light for each seat. And one particularly thoughtful idea is that the interior light stays on for 15 seconds after you have got in and closed the driver's door, to give you time to insert the ignition key and start up.

There are also lights in the engine compartment and the boot.

#### CLEAR SIDE WINDOWS.

Built into both front doors are warm air outlets which emit a constant stream of air over the windows to prevent them from misting up.

### DOOR WARNING LIGHTS.

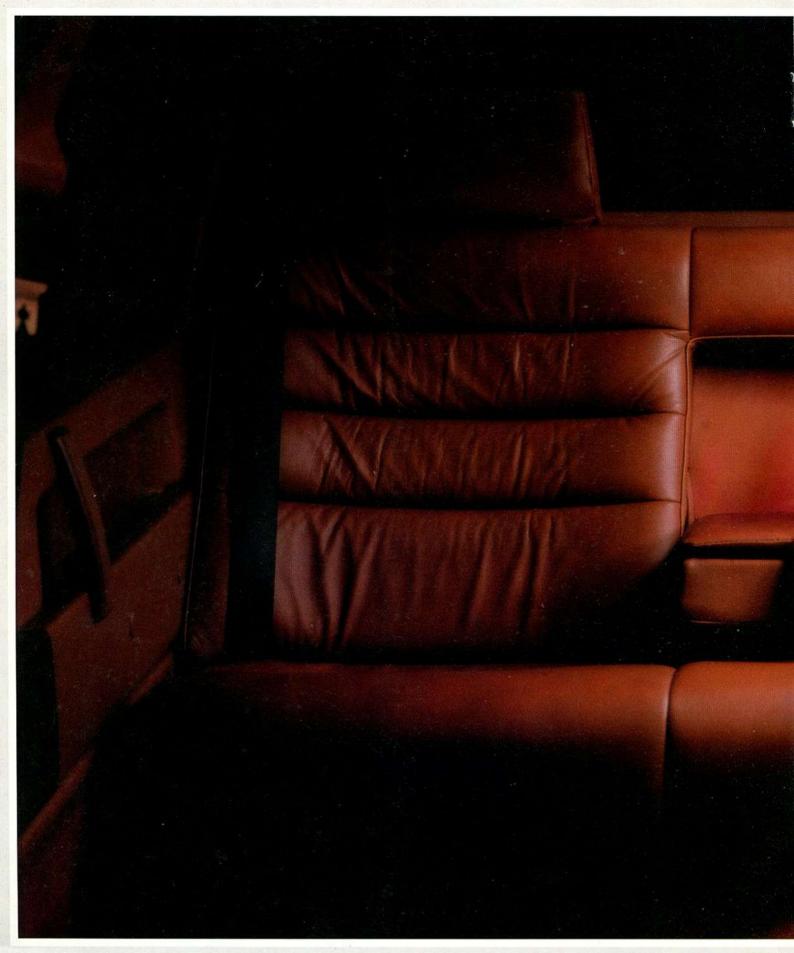
When a door is opened, a red light comes on on the door edge which serves as a highly visible warning to other cars.

<sup>4.</sup> On the back of the front seats there are pockets for newspapers, maps, etc.

<sup>5.</sup> Door window demister, warning light and central locking.

<sup>6.</sup> Each seat has its own reading light.

# Relax in



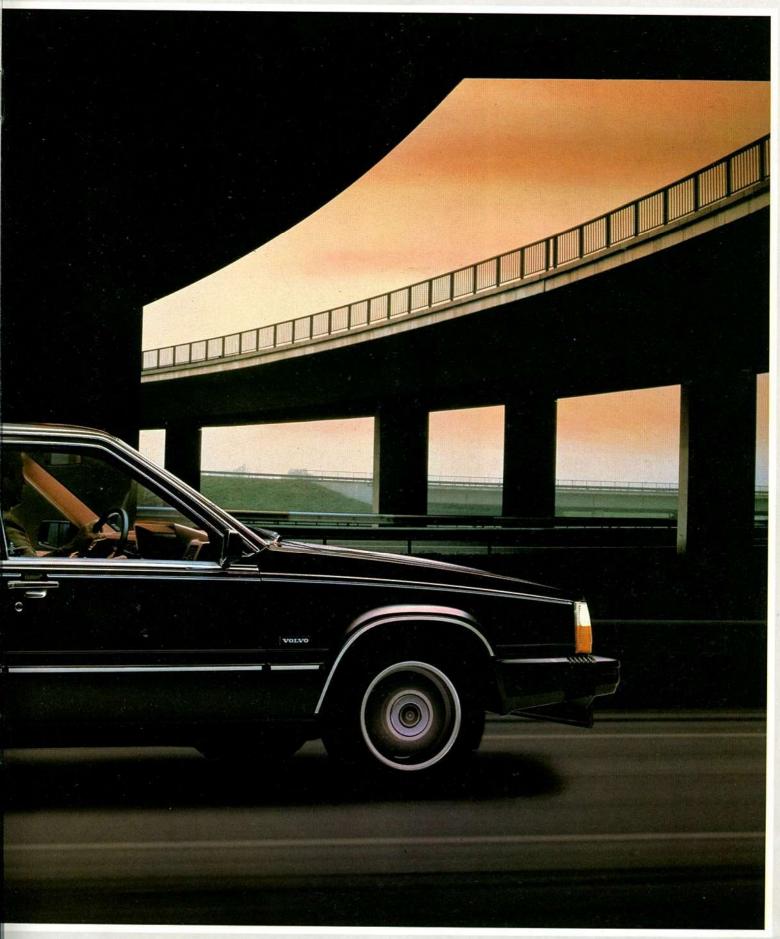
# comfort.



# One of motoring's



# great experiences.



### The extra

the roads every year, it has become absolutely vital that a car utilises every possible piece of advanced technology to make it safer.

Volvo are among the leaders in this area, and the remarkable Volvo 760 GLE epitomises that philosophy. Many times when the technology did not exist, Volvo have had to invent it.

How often have you heard people say—"The car just went out of control"? In emergencies, even if you panic, the car should behave predictably.

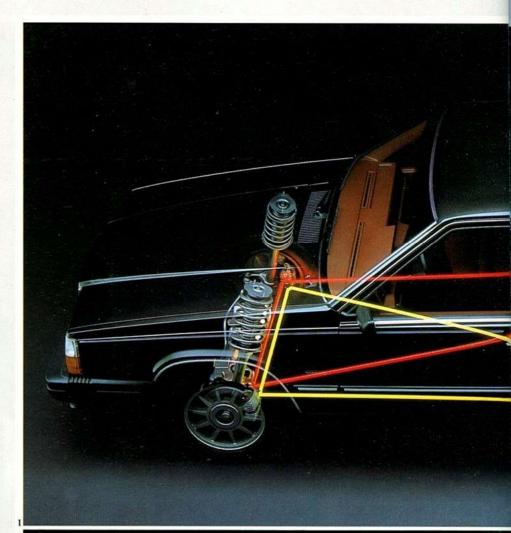
In the Volvo 760 GLE you know that it will react in a way that inspires calm and confidence, even in the most surprising circumstances.

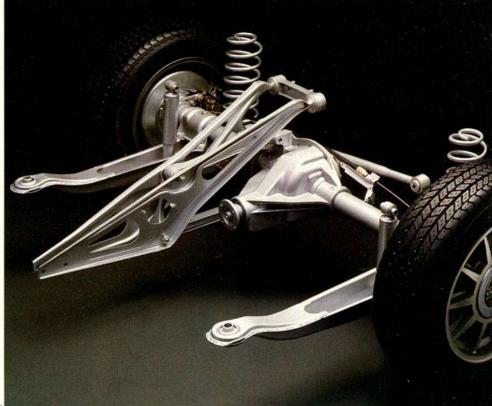
Consequently you are relaxed and that confidence increases your driving pleasure, which is one of the great things about the Volvo 760 GLE; it really is a joy to drive.

### BRAKES YOU CAN ALWAYS RELY ON.

The Volvo 760 GLE has a triangular split dual-circuit braking system, which maintains 80% braking efficiency and directional stability, even if one brake circuit fails.

The unique, stepped bore master cylinder means that you do not have to increase the pressure on the brake pedal to any noticeable degree if one brake circuit fails. You have to do so in most cars and this can create a feeling of panic—"The brakes don't work". In a Volvo 760 GLE you would hardly notice that anything had happened to the brakes, were it not that the special warning lamp for brake circuit failure told you so.

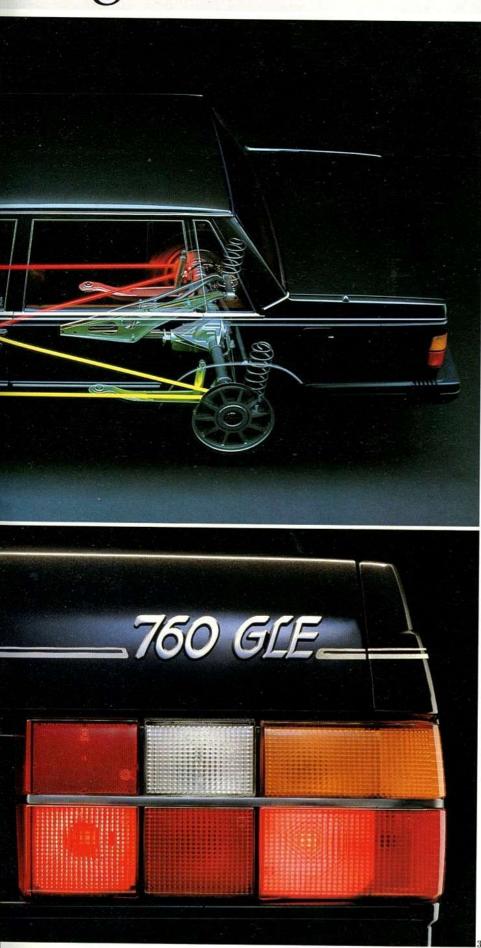




<sup>1.</sup> All components which make up the chassis and braking systems are perfectly matched. This creates near-perfect balance and steering control even in the event of one brake circuit failing or in other situations, such as emergency braking.

<sup>2.</sup> The constant track rear suspension with the special Volvo sub-frame.

# margin.



### STEERING YOU ALWAYS CONTROL.

We cannot influence your thinking distance, but we can influence the reaction time in the steering system so that it is always of a stable character.

In the light but precise Volvo steering system (power assisted) the reaction time between the movement of the steering wheel and the movement of the wheels is such that the car does not catch you out. The steering system is also designed in such a way that steering pressure remains constant even at high speeds.

### UNIQUE REAR WHEEL SUSPENSION.

It may not be so important which type of axle is fitted to a car—as long as everything functions normally. But if track and wheel alignment are allowed to change, the car may behave unpredictably and become difficult to handle. This is particularly noticeable on slippery road surfaces.

So, the 760 GLE has a constant track rear suspension, balanced and adapted to other chassis components, by far the best in an emergency situation; and therefore the best all-round solution.

The Volvo 760 GLE has a unique and extremely reliable constant-track rear wheel suspension, with a sub-frame which makes it even more efficient.

You get better roadholding because the sub-frame secures the rear axle even more firmly.

And you get increased passenger comfort because the sub-frame reduces road noise and vibration in the passenger compartment to a minimum.

3. Tail lights, reversing lights, indicators, brake lights and rear fog lights are all incorporated in the elegant rear lamp unit.

# The driving

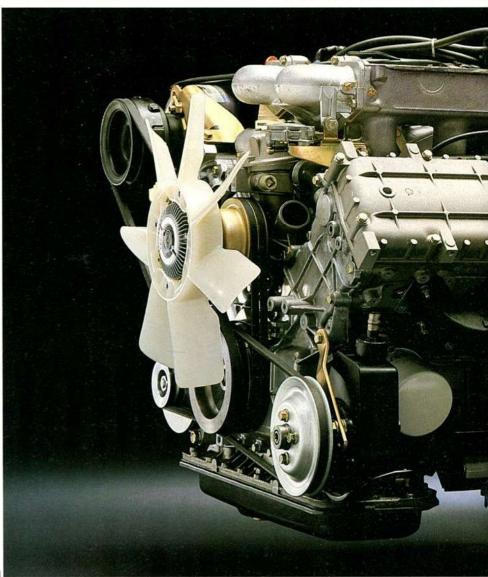
car can be the most comfortable and elegant in the world, but if the engine cannot be relied upon in every possible situation, then the car is a failure.

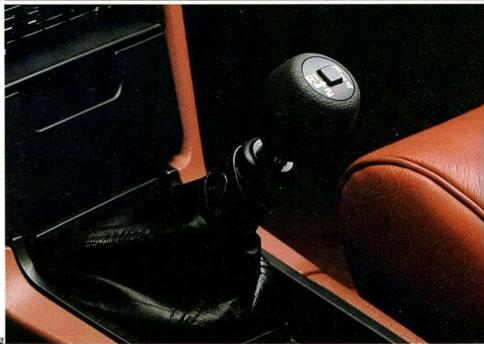
Under the bonnet of the Volvo 760 GLE you'll find Volvo's proven B28E engine which combines reliability with performance.

### THE V6.

The 760's engine produces 115 kW DIN (156 hp) and runs so quietly that you can hardly hear it. Made from light alloy, it is also incredibly strong. Its efficiency is maintained by means of a fuel injection system and breakerless transistorised ignition.

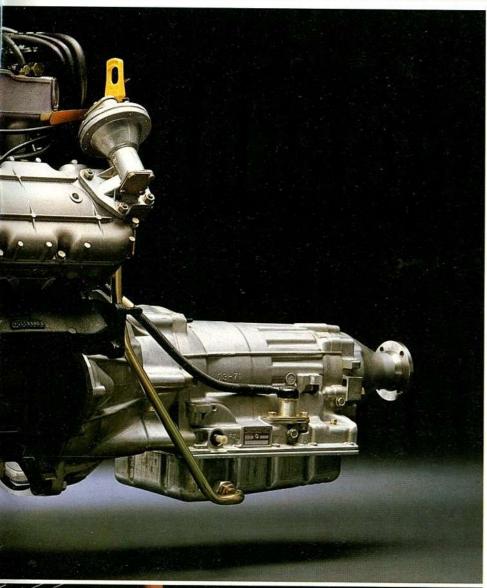
The engine has a relatively flat torque curve, producing exceptionally good traction over a wide range of speeds, a quality which is of particular value if you tow. The overhead camshaft means that the engine can cope comfortably with sustained high-speed cruising.





The powerful and quiet V6 engine.
Overdrive on the manual gearbox is electrically operated.

# force.





### THE CHOICE OF GEARBOXES.

Whichever gearbox you choose, you will be delighted by the precise, smooth gear-change. Both the automatic and manual transmission are specified with overdrive. The lower engine speed provided by overdrive ensures quiet and efficient running.

### AUTOMATIC TRANSMISSION.

The Volvo 760 GLE automatic transmission is a unique four-stage unit

including overdrive.

Overdrive is engaged automatically but can be locked on manually. The consequent reduction in engine revs results in quieter running as well as fuel consumption figures that will surprise you for a car in its class.

The gearbox also incorporates a hydraulic torque converter which can double tractive effort when starting from a standstill, and gives a smooth get-away at all times. A special oil cooler ensures that the gearbox takes the heavy demands of high speed cruising and towing in its stride.

#### MANUAL TRANSMISSION.

If you prefer to change gear manually, you'll find the four-speed manual gearbox smooth and precise. In addition it has electrically-controlled overdrive -which disengages automatically when you change down to third gear.

3. The Volvo 760 GLE can be obtained with automatic transmission and overdrive.

### Saf

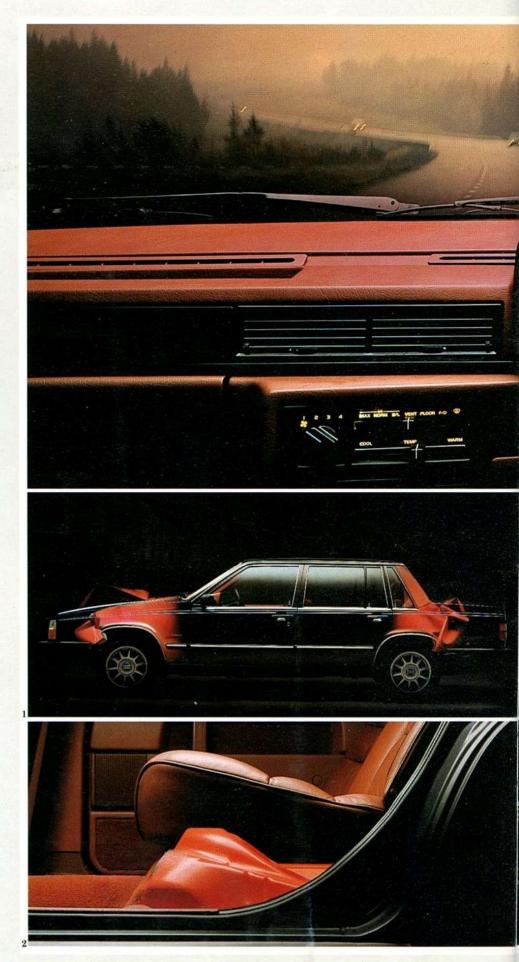
ew cars in the world are built to such exacting safety standards as Volvos, a reassuring thought should you happen to find yourself involved in an accident.

### THE SAFETY CAGE.

Like all Volvo cars the front and rear of the Volvo 760 GLE are designed as crumple zones. These absorb and systematically deflect the shock waves created in an accident. And passengers sit within an extremely strong safety cage. All body apertures around the cage are reinforced by box-type steel profiles, including the roof, where they serve as roll bars.

#### ANTI-SLIDE PROTECTION.

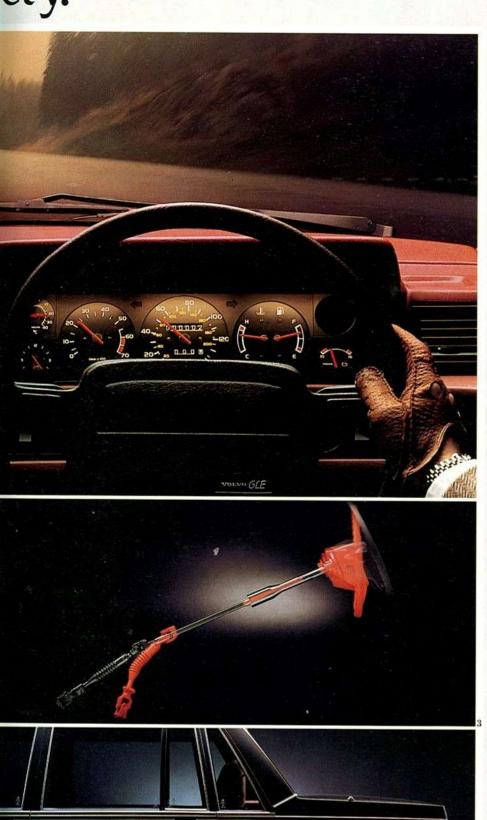
In the seat cushions of the front seats, a special cross beam has been fitted. You can't feel it, but in the event of a crash this cross beam will prevent you from sliding down and under the seat belts. The special design of the floor beneath the rear seat offers passengers the same protection.



<sup>1.</sup> Deformation zones to the front and the rear absorb most of the force in the event of a collision.

There is a special anti-slide guard on both the front and back seats. This prevents you sliding forwards and downwards and out of the seat belt in the event of a collision.

# ety.



### THE SAFETY STEERING WHEEL.

The steering system on the Volvo 760 GLE has six separate safety features: the main shaft collapses; the steering rod is pushed together at two points; the steering column jacket slides forwards and downwards; and the steering wheel is fully padded.

Consequently, in the event of an accident, the entire system collapses in a series of stages to minimise the risk of

injury to the driver.

#### THE FUEL TANK.

The positioning of the fuel tank in any car is critical. In the Volvo 760 GLE it is positioned at a safe distance from the bumper and in front of the rear axle.

The pipe leading from the fuel inlet into the tank is flexible which makes it

safer in the event of a crash.

And the connection between the pipe and body is also flexible giving further safety because, in the event of a collision, the cap remains secure.

4. The fuel tank is safely positioned.

<sup>3.</sup> The Volvo steering system provides you with six-fold safety.

# Quality that lasts

he quality of workmanship and materials put Volvos into a class of their own when it comes to longevity. Recent statistics from the Swedish Motor Vehicle Inspection Company state that the average life expectancy of a Volvo is 19.3 years. The nearest any other car manufacturer could come to it was 16.6 years—that was Mercedes.

### A UNIQUE ANTI-RUST TREATMENT.

The Volvo 760 GLE gets a surface treatment which, for thoroughness and extent, is unique:

- During assembly the seams are sealed and certain seams are protected with welding primer.
- Spraying with zinc phosphate for better paint adhesion.
- Electrical application of dip-primer.
- Seams sealed further.
- Wet on wet spraying.
  - Polyester based painting of bottom beams, under the floor behind wheel housing.
  - Gravel spray protective painting of lower half of body sides.
  - Spraying with primer both internally and externally.
- Oven hardening.
- Wet grinding of body externally.
- Spraying with surfacer.
- Oven hardening.
- Top coat sprayed on, partly automatically and partly manually, giving a total paint cover of 4 coats above the waistline, 5 coats below.
- All wheel arches are treated after assembly with gravel resistant bitumen compound.
- Undercarriage is treated with anti-rust compound.
- Vehicle assembly is completed.
- Anti-rust fluid is sprayed into closed sections.
- Engine compartment is sprayed with a wax-based, permanent, anti-rust compound.





<sup>1.</sup> Here you can see the most important stages in surface treatment: phosphating, electrodipping, anti-abrasion treatment and finishing coat.

# into old age.





### EVERY VOLVO 760 GLE WEARS A ZINC COAT.

A coating of zinc metal is very effective in combating rust. Volvo uses double-sided, zinc-coated sheet metal for all vulnerable, exposed parts of the body—a total of about 3 m<sup>2</sup> of this type of metal is used.

The coating of zinc is self-healing, so that it fills in the bare metal in the event of damage to the paintwork.

Furthermore, no less than 38 parts are made from Zincrometal. This is sheet metal that has been painted with a special zinc-rich primer and then hardened in a furnace at extreme temperatures, making it extremely resistant to rust.

2. All the exposed parts of the body are made of galvanized metal.





## Volvo

olvo's quality philosophy is not just concerned with the production of the car itself but with every aspect of our service to the Volvo owner. We believe that if we show our customers we really care then they will buy our products again and it is this belief which is the essence of the Volvo "CARE"

philosophy.

The "CARE" philosophy embraces the entire organisation. It begins with the type of car Volvo designs and the quality standards applied to all facets of production. It also extends to every Volvo operation in the U.K.—the Car Services Centre at Ipswich which checks and prepares every new car as it arrives in the country; the Parts Distribution Centre at Crick, Volvo's biggest single investment in the U.K., and recently doubled in size to ensure parts availability second to none throughout the 80's and 90's; and there is also the £1 million, purpose-built Volvo Dealer Training Centre at Daventry at which experienced trainers keep Volvo dealer staff fully up-to-date with the latest techniques in dealership management and operations.

A more detailed explanation can be found in our brochure. "At Every Step Volvo Cares", available from your Volvo dealer. Our message is simple—"Volvo

cares about you".



















technical service to Volvo dealers. 2. Volvo cars are shipped under cover in specially designed car-carriers.

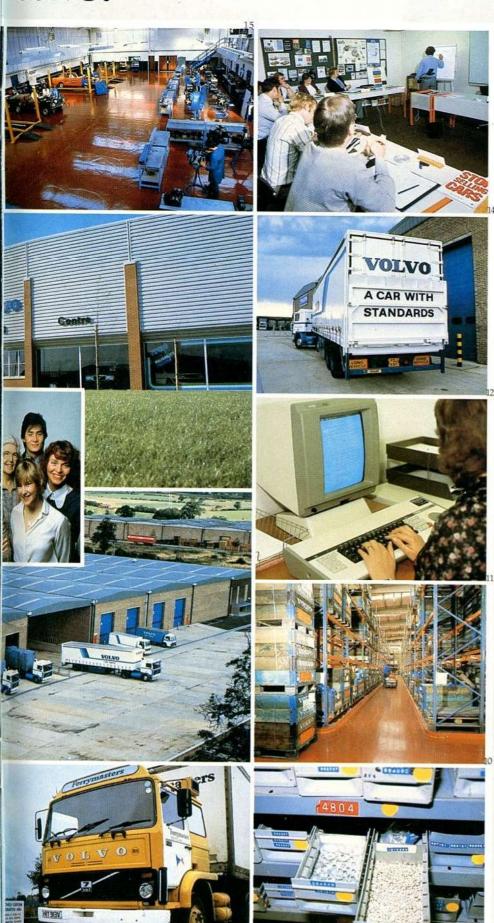
3. Every car is uniquely identified on the Volvo computer to aid movement control and maintain a complete history record.

4,5. Évery car is cleaned and then closely examined by a team of highly skilled quality control inspectors.

6. The car is then released for delivery to the Volvo dealer. Even the transport company carries out its own inspection before each journey starts. 7. The Parts Distribution Centre was recently extended to an area of 180,000 sqft designed for efficient use of space and the operation of the latest mechanical handling equipment for the fast retrieval of parts.

<sup>1.</sup> The Car Services Centre is responsible for the preparation of new cars, product testing, customer relations, warranty and for providing a technical service to Volvo dealers.

### care.



8. A weekly average of ten 40 ft containers deliver parts to Crick from the main Volvo parts warehouse in Ghent, Belgium. An on-site customs clearance point speeds up the import procedures.

9, 10. More than 35,000 different parts, valued at over £10 million, are stocked from nuts and

bolts to entire body panels.

11. Computerised systems enable 15,000 order lines a week to be processed, 5,000 of which are emergency orders handled on a 24-hour turnround. The computer also maintains a constant monitor on the stock and re-order situation to ensure a continuously high level of availability.

12. Every week Volvo Concessionaires' own fleet of Volvo delivery trucks covers 6000 miles carrying more than 90 tons of parts to Volvo dealers around the country to ensure that parts are on hand when the Volvo owner needs them.

13. Volvo's commitment to ensuring that Volvo customers always benefit from the most up-to-date techniques is demonstrated by the new £1 million Dealer Training Centre opened at Daventry in 1980.

14. Sales staff not only learn product knowledge but are given a thorough grounding in vital areas such as legislation and finance so that they can properly advise customers on every aspect of car purchase.

15. Service staff learn their skills both in the classroom and by actually doing the job in the superbly equipped workshops.

16. Parts staff are given a broad technical knowledge about the many parts they deal with as well as practising stock control and operational management in the Training Centre's own Parts Shop.

17. Above all Volvo care about people and what makes Volvo "CARE" work is the total commitment of every member of the Volvo organisation to making your experience of owning a Volvo a pleasant one—and one you will want to repeat.

Technical information.	760 GLE	
Engine		
Designation	B28E	
Configuration	V6	
Displacement (cc)	2849	
Bore/stroke (mm)	91/73	
Max output, kW DIN at r/s (hp DIN r/min)	115/95 (156/5700)	
Max torque, Nm (DIN) at r/s (kpm DIN r/min)	235/50 (24/3000)	
Compression ratio/Octane rating	9.5:1/98	
Fuel system	Injection. CI-system	
Engine block and cylinder heads	Aluminium alloy	
Valve system	Overhead camshafts. Rocker arms	
Transmission		
Manual gearbox	4 speed with overdrive	
Automatic	3 stage with overdrive and torque converter,: 6-position selector illuminated	
Rear axle ratio	3.54	
Cooling system		
Frost-proofed and sealed. Volume, litres	10.3 (manual), 10.2 (automatic)	
Electrical system		
Battery capacity	12 V/66 Ah	
Alternator rating	70A	
Ignition system	Contactless, transistorised	
Fuel tank		
Safety location beside rear axle. Volume, litres/gals	60/13.2	
Steering gear		
Rack and pinion. Split steering column of safety type. Ratio	16.9. Power-assisted	
Turns of steering wheel, lock-to-lock	3.5	
Turning circle, metres/ft ins	9.9/32' 6"	
Wheels		
Steel braced radial ply tyres	195/60 HR 15	
Rims	6.0 J-15". 10-spoke light alloy	
Suspension		
Front	Spring strut	
Rear	Live	
Brakes		
Front/rear Front/rear	Discs/discs. Power-assisted	

### Brake system

Dual circuit. Each circuit operates on both front wheels and one of the rear wheels simultaneously. Brake pipes are made of rust-resistant alloy of copper, nickel and iron. Disc brakes on all wheels. Power assisted. Master cylinder of stepped-bore type. Handbrake operates on rear wheels through separate drums.

#### Instrumentation

Colour co-ordinated, padded fascia. Rheostat-controlled instrument lighting. Six-figure mileage recorder with trip meter. Clock, revolution counter, temperature gauge, fuel gauge and voltage gauge. Warning lamps for oil level, oil pressure, battery charging, overdrive, main beam, brake failure, parking brake, bulb failure, washer fluid level and seat belt reminder. Switches for rear foglights, front foglights, rear demist and electrically heated passenger seat. Four-way hazard warning lights. Headlight warning buzzer. Cigar lighter. Ashtray.

### Colours and upholstery.

	Upholstery		
Colour	Plush	Leather	
Silver metallic	- 100	Black	
Light blue metallic	Blue		
Black metallic		Red	
Light green metallic	Green	Black	

### Standard equipment.

Power steering

Electrically operated

windows

Alloy wheels

Plush or leather upholstery

Air conditioning

Headlight wipers and washers

Auxiliary fog lights

Central locking

Tachometer Spoiler

Metallic paint

Electrically operated rear view

mirrors

Tinted glass all round

Courtesy light delay on driver's door

Reading lamps

Glovebox fitted with lock and illuminated make-up mirror

Intermittent wipers

Bulb integrity sensor

Warning lamp for brake circuit

failure

Warning lamp for oil level

Engine and luggage compartment

lighting

Washer fluid level indicator

Front centre armrest

Rear centre armrest with storage

compartment

Seat belt reminder

Warning light in door edges

Map pockets

Electrically heated driving and

passenger seat

Head restraints front/rear

### Fuel consumption.

		Simulated Urban Driving	56 mph	75 mph
Manual with overdrive	mpg	17.2	37.2	28.5
	l/100 km	16.4	7.6	9.9
Automatic with overdrive	mpg	19.6	35.8	28.0
	l/100 km	14.4	7.9	10.1

Figures from approved tests in accordance with the Passenger Car Fuel Consumption Order 1977.

Warranty: 12-month warranty without mileage limitations.

N.B. The pictures on pages 8, 10/11, 12/13, 14, 22/23, 26/27, 28/29, illustrate some accessories as well as standard equipment

The factory reserves the right to make changes at any time, without notice, to prices, colours, material, equipment or specifications and also to discontinue models.

### VOLVO