



LOTUS CARLTON

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The Lotus Carlton takes only 2.8 seconds to sprint from 50 to 70 mph in third gear.

The six-speed gearbox enables vivid acceleration to be combined with very relaxed cruising. In fifth gear, 70 mph represents just under 2500 rpm. Gliding into top at that speed drops the rev counter's needle to just under the 1650 mark.

Excellent aerodynamics give the Lotus Carlton a 0.307 drag coefficient and "zero lift" at front and rear, in the interests of stability. Features that contribute to the car's visual appeal – such as the rear wing and the ducts that direct airflow to the engine's oil coolers – were evolved in wind tunnels and on high-speed test tracks. They enhance this four-door saloon's appearance, but are essentially functional.

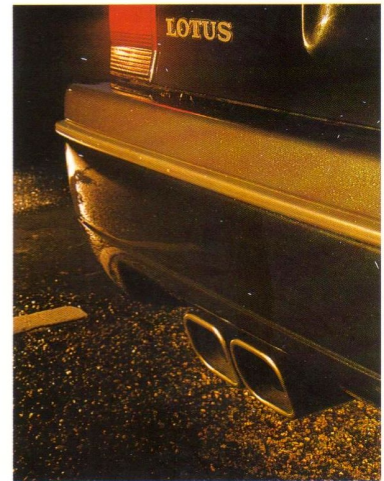
Vauxhall's acclaimed Advanced Chassis Technology provides the basis for the Lotus Carlton's fully independent suspension. The system is modified and fine-tuned as expertly as the rest of the car to blend a smooth ride with roadholding and handling qualities of the highest order. Stylish, wide-

rim alloy wheels sport Goodyear Eagle tyres unique to the Lotus Carlton. The wheels are designed to help cool ventilated disc brakes. General Motors joined forces with Bosch to develop the electronic anti-lock braking system.

Air conditioning enhances the interior, where supportive seats trimmed with top-quality Connolly leather complement tasteful applications of polished wood.

From the driver's viewpoint, excellent ergonomics make everything easy to see, identify, reach and operate. The instruments, flanked by a Lotus-badged rev counter, stand out crisp and clear behind the padded, leather-rimmed steering wheel.

Few people will be fortunate enough to drive the Lotus Carlton – one of the world's most exclusive cars.







Lotus engineers and General Motors have created the world's most potent production saloon.

More often than not, dramatic acceleration figures and extrovert styling are considered far more important than practical features when a car of exceptionally high performance is being designed. The new Lotus Carlton is the exception. Developed from Vauxhall's best-in-class Carlton GSi 3000, it combines prodigious power and torque with all the luxury and convenience of a spacious, big-booted, beautifully trimmed and fully equipped four-seater.

One man is responsible for building each of the Lotus Carlton's 3.6-litre, six-cylinder, 24-valve engines. Boosted by a pair of Garrett T25 turbochargers, this refined and flexible engine develops 377 hp at 5200 rpm while the torque curve's maximum is 419 lb ft at 4200 rpm.

Performance figures worthy of a mid-engined two-seater include 0-to-60mph in 5.2 seconds and 0-to-100 mph in 11.5 seconds.







## SPECIFICATION HIGHLIGHTS

### INTERIOR FEATURES

Anthracite leather trim.  
Fully reclining sports front seats with height adjustment.  
Heated front seats with two-way lumbar adjustment.  
Split-folding rear seat back (50/50).  
Polished wood inserts in doors and centre console.  
Rev counter.  
Multi-function check control warning panel.  
Full air conditioning system.  
Blaupunkt CDP09 compact disc player.  
Blaupunkt Memphis stereo radio/cassette.

### EXTERIOR FEATURES

Long range halogen driving lights integral with headlamps.  
Green tinted glass all round.  
Electrically operated windows front and rear.  
Central locking.  
Electrically operated sliding/tiltable glass sunroof.  
Security alarm system.  
Imperial Green 2-coat pearlescent paint.

### PERFORMANCE FIGURES

0-60 mph - 5.2 secs  
0-100 mph - 11.5 secs  
Standing ¼ mile 13.6 secs @ 108.8 mph

### ENGINE DATA

Engine: 3.6litre 24v  
6 cylinder in-line DOHC with aluminium cylinder head and hydraulic tappets.  
Output: (DIN-rating): 377hp (281kW) @ 5200rpm  
Torque (DIN-rating): 419lb.ft. (568Nm) @ 4200rpm  
Catalytic converter: Closed loop control, (2x2 ceramic elements).  
Fuel system: Electronically controlled injection with deceleration fuel cut off and two Lambda probes.  
Turbocharging: 2 Garrett T25 turbochargers providing to 0.7 bar boost.

### DRIVE LINE

Transmission: Fully synchronised six-speed ZF manual transmission.

### DIMENSIONS inches (metres)

Overall length	187.7 (4.768)
Overall height (exc. aerial)	56.5 (1.435)
Overall width (exc. mirrors)	71.3 (1.812)
Overall width (inc. mirrors)	76.1 (1.933)
Wheelbase	107.5 (2.730)

### FUEL CONSUMPTION

mpg (litres/100km)		
Simulated	56 mph	75 mph
Urban Driving (90 km/h)	(120 km/h)	
17.6 (16.1)	34.9 (8.1)	27.5 (10.3)

### FUEL CAPACITY

16.5 Imp. gallons (75 litres).

### CHASSIS

Front axle: Independent front suspension with Lotus tuned MacPherson struts.  
Rear axle: ACT multi-link rear suspension with two semi-trailing arms and one crossmember - double conical 'mini block' progressive rate coil springs - automatic suspension levelling.  
Limited slip differential gear: Standard.

### BRAKES

Front brakes: Four piston fixed caliper - ventilated discs.  
Rear brakes: Two piston fixed caliper - ventilated discs.  
Asbestos-free brake pads.  
Electronic anti-lock braking system (ABS).

### STEERING

Speed sensitive power steering.  
Energy absorbing steering column.  
Four spoke padded safety steering wheel.

### LOAD CAPACITY (cu.ft.)

VDA Method  
Rear seat up: 18.4 - Rear seat down: 30.7

### WHEELS AND TYRES

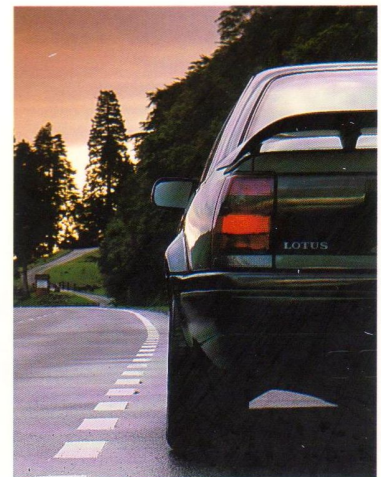
8.5Jx17 inch alloy 5-spoke front wheels.  
9.5Jx17 inch alloy 5-spoke rear wheels.  
235/45 ZR17 front tyres.  
265/40 ZR17 rear tyres.

Every effort has been made to ensure that the contents of this publication were accurate and up-to-date at the time of going to press (July 1990). However, with Vauxhall's policy of continuous product improvement, the Company reserves the right to change specifications and make modifications to the vehicle described and illustrated at any time.

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