

1990 MODELS. EDITION NUMBER 1

VAUXHALL CALIBRA



VAUXHALL

Few superlatives are adequate for Calibra, the most exciting car ever to bear the Vauxhall badge. Few words can do justice to its breathtaking looks and world-beating aerodynamics. Few drivers will have the opportunity to experience the satisfaction of ownership; yet like all rare and precious commodities, its value and purity are universally admired and desired.



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*Vauxhall. No. 1
for customer
care*

THE CLASSIC COUPE

In Calibra the dreams of the designers have become reality, and the graceful sweep of an artist's pen has created a car that's as exciting, exhilarating and purposeful as it is practical, efficient and versatile.

In spite of exuberant good looks which belong on the sort of sports car normally confined to the arena of youthful folly, Calibra is every inch as economical, reliable and just plain usable as any of its more prosaic counterparts. In everyday life it reflects absolutely Vauxhall's absolute commitment to customer care.

And, fittingly, it reflects absolutely the degree of artistic commitment of one of the modern car industry's most successful design studios - which has produced the award-winning Astra and Carlton, the elegance of the Senator and, of course, the aesthetically brilliant Cavalier.

This is the studio that has taken the GM mastery of aerodynamic excellence and translated it into attractive, individual designs time and time again. In Calibra that teamwork has been honed to a fine perfection. The result is a car that sets new records for production car aerodynamics and yet remains breathtaking in its extreme good looks.



VISION ON

Interior design presents one of the toughest problems for any car maker. Not only must it reflect the style and shape of the bodywork, and maintain the drama of each sloping curve of the sheet-metal, but it must also bend a knee to the science of ergonomics.

Putting people swiftly and comfortably in touch with a working environment is what the science of ergonomics is all about, and making that workplace a pleasure to be in is what design is all about.

Calibra's designers have achieved all this and yet there's no evidence of that bended knee; the interior appears to have been designed for its pure aesthetic value and, like the exterior, shows no sign of compromise.

And yet it is superbly functional and efficient. Clear, accessible information in the driver's eyeline is matched by controls that are easy to find, easy to reach and easy to operate.

And while it may be functionally simple it contains all the sophistication you'd expect from a car at the forefront of its class: there are electrically operated front windows, spoiler-style sunroof and door mirrors - that are also heated - along with a high-quality six-speaker stereo radio/cassette player, security coded for extra peace of mind.



Clear simplicity in design and layout belies the sophistication of the Calibra's standard features.

COMFORT IN THE KNOWLEDGE



Own a dramatically-styled sports coupé and you expect to sacrifice space and equipment in favour of excitement. Not so the Calibra. Its designers have produced a finely balanced mix of elegance and performance combined with passenger comfort and useful luggage capacity.

There's no doubt that Calibra is a genuine four-seater, with a surprisingly spacious passenger compartment – with more room in the back than its rakish glassline suggests. Make no mistake: this is a practical hatchback with a tailgate that opens to reveal a luggage area which can be enlarged by dropping the 40/60 split-folding rear seat to create a load area that can handle 34.6 cu.ft of luggage.

But, ultimately, this is a driver's car with a sporting heritage – you know it the minute you ease into the height and rake-adjustable sports bucket seats. New Mexico cloth patterns exclusive to the Calibra provide an individuality strengthened as the strong graphic theme introduced on the door panels continues into the rear passenger compartment. This serves to emphasise the free-flowing shape of the exterior and also creates an all-enveloping cockpit atmosphere in which skilful drivers can perform with feeling and passengers can relax, comfortable in the knowledge.



Door mirrors are electrically-operated and heated.

Split-folding rear seat creates ample space for bulky items of personal or business life.





CALIBRA 2.0i 8v

Though sheer, undiluted style may well be the major prerequisite for a sports coupé, looks alone are not enough to gain admission to the exclusive club of high performance touring cars. Nor yet is sheer speed; touring in the grand style requires brilliant handling, effective acceleration and effortless cruising, plus an easy ride and quiet running. For driver and passengers alike, the equation must add up to day-long comfort.

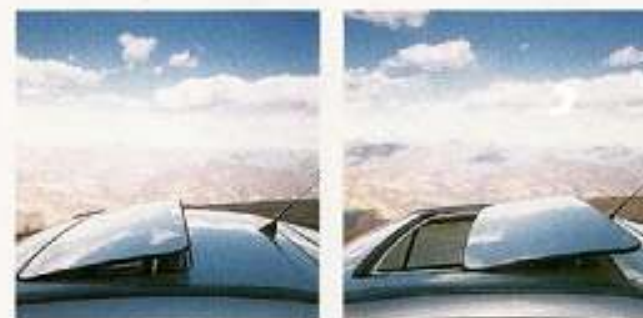
In virtually every respect the equal of its 16-valve brethren in all those respects, the 8-valve Calibra represents a perfect compromise between power and economy. With all the inspired styling of the powerful 16-valve, the 8-valve Calibra is eminently affordable and yet remains enormously satisfying to the enthusiast in every driver.

Unhampered by legalities, the 8-valve could reach a more than creditable 127mph via the ample resources of 115PS at 5200rpm. Its 5-speed close ratio gearbox is a joy to work through on mountain, motorway or sweeping plain, but the relaxed enjoyment of the optional 4-speed automatic transmission provides its own kind of pleasures, especially with its three electronically controlled operating modes – Economy, Sport and Winter.



Optional at extra cost, these alloy wheels bring a personal touch to the 8-valve Calibra.

Electrically-operated, spoiler-style sunroof tilts or slides, giving fresh air and fresh style.



THE POLISHED PERFORMER

Once vaguely referred to as streamlining, pundits now call it aerodynamics; engineers call it airflow management and scientists measure it as a drag coefficient - Cd. In its 8-valve guise, Calibra records a record-breaking Cd of 0.26, but by any name it parts the air ahead better than any production car in the world.

But record-breaking figures alone are of no value in a road car, though its smooth efficiency is immediately apparent. Follow its knife-edge profile and the sleek nose housing staggeringly thin, flush-fitting headlights. The long, sloping bonnet leads into smooth-fitting bonded glass, softly-curved door mirrors and the smooth, virtually separation-free sheet metal that flows inward and climbs towards the aggressively high, tapered tail, merging delicately with the acutely angled rear screen.

Nor is this Art for Art's sake. Though eye-catching looks are part of the equation, that low Cd figure brings better driving stability, a higher top speed, better fuel efficiency and minimal wind noise as just some of its practical benefits. Occasionally, in the complex and contrasting world of car design, the blend of art and science result in record-breaking achievement and near-perfect symmetry. Calibra is that result.



Rounded pillars, the dishd and steeply raked screen, sill extensions, trailing edge spoiler and the semi-flush, frameless side windows all play a vital aerodynamic role.



There's no need of a wind tunnel: it's clear that Calibra's flowing lines offer a bare minimum of resistance to the air.



CALIBRA 2.0i 16v

Any car that looks as good as Calibra ought to live up to its promise. The 16-valve Calibra fulfills every expectation in stirring fashion.

The dual cam 16-valve is an engine already verging upon legend, with 150PS available at a 6000rpm redline which arrives with an easy surge. Just as easy is a 0-62mph sprint of just 8.5 seconds and, where the law allows, a maximum of 139mph.

And the sophisticated techniques which produce all this power are the same as those that give Calibra its all but bottomless reserve of torque – peaking at 196Nm at 4800rpm, with 90% of the maximum available all the way from 3300rpm to 6000rpm – and make it so flexible and driveable at any speed.

And all this goes hand in hand with an engine that runs on unleaded fuel and reduces harmful exhaust emissions by 90% thanks to a 3-way catalytic converter.

Stopping power too is impressive in its efficiency. Large-diameter rear brakes and ventilated front discs – plus electronic ABS – make that a certainty. With uprated suspension (for faster steering response) and gas pressure shock absorbers to ensure supple control of its four wide, low profile tyres even on poor road surfaces, the 16-valve Calibra



All Calibras have the very latest electronic anti-lock braking system (ABS).

PERFORMANCE CURVES

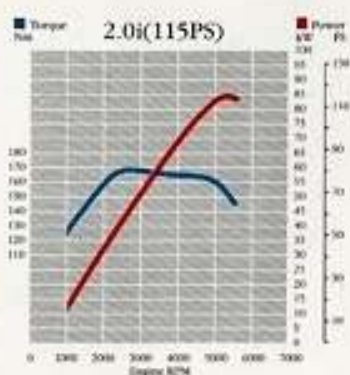




EARTHLY POWERS

As Europe moves towards uniform exhaust emission legislation, GM engineers have developed two engines for the Calibra – 2.0i fuel-injected units with either 8 or 16 valves – combining performance, economy and low maintenance with clean emissions. Both engines have a three-way catalytic converter as standard, and must be run on unleaded fuel. Thanks to the skill of the engineers, these twin contributions to a cleaner environment bring no sacrifice in power or economy, and both 8-valve and 16-valve Calibra are smooth, efficient and exhilarating to drive.

The 2.0i 8-valve engine combines exceptional torque with lively performance and excellent economy.



2.0i CAT 115 PS 8-VALVE

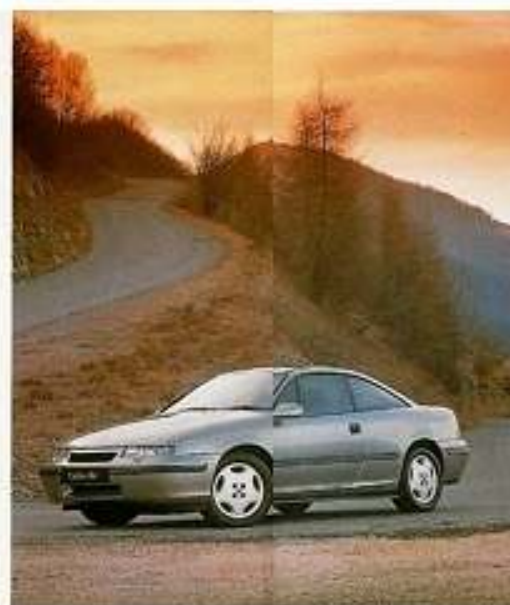
The recently introduced 2.0i 8-valve engine is a beautifully modern design that combines exceptional torque (170Nm at 2600rpm) with lively performance and excellent economy for truly flexible motoring.

Advanced features include a lightweight, thin wall cast iron block, a light alloy cylinder head with a smooth-running, belt-driven single overhead camshaft, and a compact combustion chamber incorporating specific quench areas opposite the spark plug for reduced flame travel and increased burn rate.



SELF-DIAGNOSTIC CAPABILITY

The exact adjustment of the ignition timing and the quantity of fuel injected is controlled precisely by a sophisticated Bosch Motronic M1.5 engine management system, processing data relating to airflow rate, engine load and temperature up to 5000 times per second to optimise the balance between power, economy and emissions for all driving conditions. The innovative M1.5 unit also provides a self-diagnostic capability – recording information that can subsequently be analysed by trained Vauxhall service technicians.



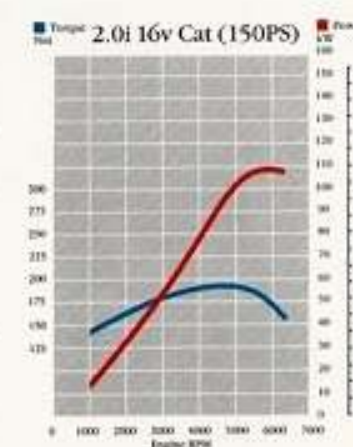
2.0i CAT 150 PS 16-VALVE

The 2.0i 16-valve powerhouse of the Formula Vauxhall series is also a regular production engine that maintains Vauxhall's standards for excellent fuel efficiency, low emissions, low weight and easy maintenance. This unit has won much acclaim in Astra GTE and Cavalier GSi 2000 guise. When assessing the 16-valve engine in its road test of the Cavalier GSi 2000, *Autocar & Motor* was inspired to comment: 'It has one of the most fuss-free, even power deliveries in its class.' The engine also incorporates an impressive list of design features such as twin, hollow-cast overhead camshafts, sodium-cooled exhaust valves, hydraulic tappets, polished ports and a fabricated, stainless steel exhaust manifold.

INSTANT RESPONSE

The 16 valve engine is controlled by the state-of-the-art Bosch Motronic M2.5 engine management system. Under its all-knowing umbrella come ultra-efficient sequential fuel injection and a selective knock control that adjusts ignition timing automatically, depending on an equation which includes throttle position, air intake volume and even the quality of the fuel in the ignition chamber. The result is an engine that

never fails to provide an instant, satisfying response, whatever is asked of it. With maximum power of 150PS at 6000rpm and peak torque of 196Nm at 4800rpm, action speaks far louder than words. But *Autocar & Motor* expressed it admirably in its assessment of the 16-valve unit when it commented: 'The torque curve – a much more informative measure of slogging strength – is so flat it lets the car accelerate cleanly and quickly from 1500rpm in any gear.'



The 150 PS 2.0i 16-valve engine features hollow cam shafts, sodium-cooled exhaust valves and polished cylinder head ports.

Vauxhall's state-of-the-art, permanent four-wheel drive system won widespread acclaim when it was introduced on the Cavalier. Added to the already brilliant handling of the 16-valve Calibra, the result is a car with all the answers. It looks stunning, and performs superbly. And with four-wheel drive it is supremely controllable, handling virtually any motoring predicament with consummate ease. In that sense alone, four-wheel drive is a safety feature of remarkable effectiveness.

Based around a central viscous coupling, Calibra's 4x4 system has the ability to vary the torque between the front and rear wheels automatically, ensuring optimum grip whatever the road surface. Under extreme conditions, such as ice or snow, the rear axle can take responsibility for 100% of the drive.

When braking at speeds in excess of 15mph, however, rear-wheel drive is automatically disconnected by an integral clutch, improving stability and allowing unrestricted use of the anti-lock braking system.

As in every other facet of its design Calibra mixes practical solutions with wild excitement, and this, ultimate, Calibra takes logic to the limit.

NB: The Calibra 16v 4x4 will be available from October 1990.



Vauxhall's high-tech 4x4 system varies front/rear torque automatically for gripping traction in all conditions.



THE FUSION OF ART AND TECHNOLOGY

Car designers tend to be ahead of public perception in their thoughts and sketches; usually a production vehicle is a toned-down version of a design too futuristic to gain public acceptance. In creating a look, designers

go all the way and then back-pedal. Engineers tread the opposite course. They go as far as they can, and then try to push the frontiers of engineering,

science and technology still further.

Calibra is unusual because it appears in the metal virtually as drawn in the original sketches; no compromise, no backing off. And under its vividly exciting bodywork is a wealth of engineering technology that takes the concept of the production coupé as



Ultra-thin headlamp units produce 40% more light than previous similar units.



Calibra is stringently tested in climatic extremes.

far as it can presently go without becoming impractical. Calibra thrives on the philosophy of affordable technology.



UNRIVALLED STABILITY AND COMFORT

With the longest wheelbase in its class, Calibra sets out in life blessed with excellent directional stability and plenty of passenger legroom.

Four-wheel independent suspension also aids stability, precise handling and high standards of ride comfort. The front wheels are controlled by MacPherson struts while the rear features an independent trailing arm system to maintain consistent performance over a full range of load conditions. That, together with its low ride height, helps Calibra to maintain a level stance, even under hard acceleration. The result is a car which deals with brisk driving but not at the expense of passenger comfort.



The standard ABS system adjusts braking pressure on each wheel to avoid skidding.



Sophisticated 4-speed automatic transmission features three selectable driving modes.

ELECTRONIC ABS

The front axle geometry has been designed to provide superb steering sensitivity, and power-assisted steering is standard, as is the latest-generation electronic anti-lock braking system. With sensors on each wheel the ABS adjusts braking pressure many times a second in order to prevent skidding as a result of heavy braking. Disc brakes are employed on all four wheels, ventilated at the front and given extra power by a vacuum servo integrated within the master cylinder to reduce free pedal movement.

AUTOMATIC TRANSMISSION OPTION

The latest, electronically-controlled, AF20 four-speed automatic transmission is available as an option on the 8-valve Calibra. The entire gearbox is controlled by a sophisticated computer package linked to the engine management system, smoothing full-throttle shifts by instantaneous changes to ignition timing.

The advanced system also provides a choice of operating modes. In normal ECONOMY driving the highest ratios are engaged as quickly as possible and, above pre-determined speeds, the lock-up clutch for the torque converter engages in third and fourth gears to prevent energy-wasting slip. SPORT is

for those occasions when you want to make the most of Calibra's full potential, allowing higher engine speeds for maximum performance. WINTER mode is a safety setting to provide smoother and safer starts in conditions of ice and snow by starting the car from rest in third gear, reducing the risk of wheelspin.



Painstaking attention to detail in the wind tunnel resulted in a 0.26 Cd figure.

Once 50mph has been reached, the transmission reverts to ECONOMY mode.

ULTRA-THIN HEADLAMP UNITS

Engineering excellence extends to the Calibra's exterior as well, dramatically re-emphasising the balance between artistic integrity and scientific achievement. Consider the visual impact of the ellipsoidal headlamp units - just 70mm high but combining high-low beams, fog lights and turn indicators under a single lens. Not only are they a world innovation but, through the use of CAD/CAM computer systems, these stunningly effective lamps produce 40% more light than earlier ellipsoidal versions.



Innovative design - the roof-mounted radio aerial incorporates the rear screen washer nozzle.



SPECIFICATIONS

STANDARD AND OPTIONAL FEATURES

	2.0i 8v	2.0i 16v	16v 4x4*
SEATS:			
Mexico cloth seat trim	•	•	•
Fully reclining sports front seats	•	•	•
Cloth trimmed closed-type front seat head restraints	•	•	•
Front seats with height adjustment	•	•	•
Height adjustable inertia reel front seat belts. Front seat belt buckles mounted on seat frames	•	•	•
Two rear inertia reel seat belts	•	•	•
60/40 split-folding rear seat	•	•	•
FACIA, INSTRUMENTS AND CONTROLS:			
Rev counter	•	•	•
Trip odometer	•	•	•
Instrument panel light dimmer	•	•	•
Fuel gauge with low fuel level warning light. Water temperature gauge	•	•	•
Check control warning panel including engine oil level, engine coolant level, windscreen washer fluid level, front disc pad wear, bulb test for head/tail and brake lights		•	•
4-spoke steering wheel	•	•	•
Leather covered steering wheel and gearknob		•	•
Tilt steering column	•	•	•
Lockable, illuminated glovebox with asymmetrically positioned lock	•	•	•
Quartz analogue clock	•	•	•
Cigar lighter	•	•	•
HEATING AND VENTILATION:			
Air blend heater with 4-speed fan and illuminated controls	•	•	•
Side window demist vents and four adjustable facia air vents	•	•	•
AUDIO EQUIPMENT:			
†DC 670 stereo radio/stereo cassette player with security coding - 6 speakers	•	•	•
Cassette storage facility	•	•	•
Roof mounted rod aerial with integral tailgate wash nozzle	•	•	•
INTERIOR LIGHTING:			
Interior courtesy light	•	•	•
Illuminated load area and glovebox	•	•	•
Underbonnet lamp	•	•	•
ADDITIONAL INTERIOR FEATURES:			
Steering column lock and tilt/tilt fuse box	•	•	•
One-piece moulded headlining	•	•	•
Carpeted load area, carpeted rear seat back, carpeted side panels and wheelarches, plastic sill protector, flocked load area cover	•	•	•
Integral centre console with carpet insert	•	•	•
Front door pockets, front and rear armrests	•	•	•
Dipping rear view mirror	•	•	•
Colour keyed velour carpet	•	•	•
Mexico cloth door trim	•	•	•

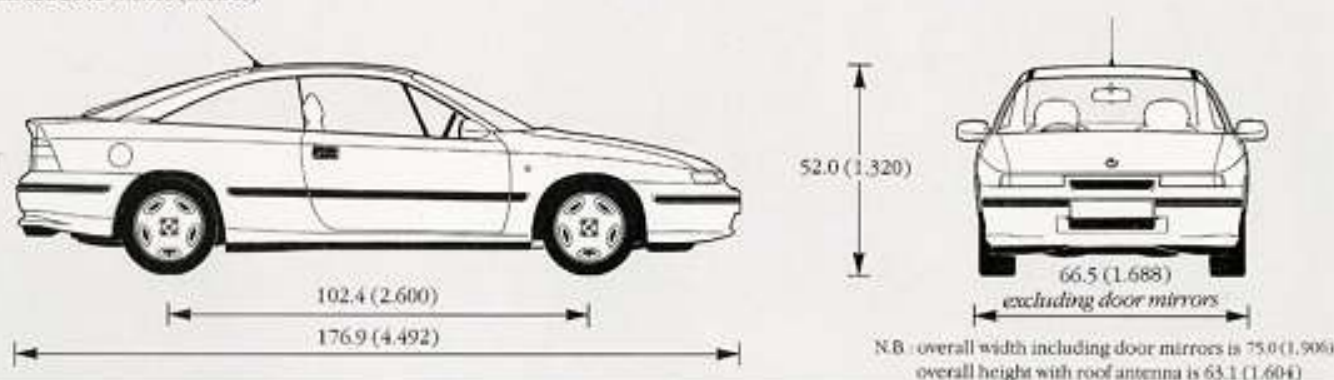
	2.0i 8v	2.0i 16v	16v 4x4*
MECHANICAL:			
5-speed close-ratio gearbox	•	•	•
4-speed computer-controlled automatic transmission with economy, sport and winter driving modes*	○		
Power assisted steering	•	•	•
Independent semi-trailing arm rear suspension	•	•	•
Up-rated springs and gas pressure dampers	•	•	•
4-wheel disc brakes with electronic anti-lock braking system (ABS)	•	•	•
Permanent 4-wheel drive with variable torque split			•
Thermostatically-controlled engine oil cooler		•	•
3-way closed loop catalytic converter	•	•	•
14.0 Imperial gallon (63 litre) fuel tank	•	•	•
EXTERIOR LIGHTING:			
Halogen double ellipsoid headlamps	•	•	•
Lights-on warning buzzer	•	•	•
Twin reversing lights, twin rear foglamps, hazard warning lights, side repeat indicators	•	•	•
Front halogen fog lamps integrated into headlamp units	•	•	•
Electric headlamp levelling	•	•	•
High pressure headlamp washers	•	•	•
All-red tail lamp design with dark centre band	•	•	•
Clear glass front indicator lenses	•	•	•
EXTERIOR STYLING:			
Body coloured front and rear bumpers with rubber protection strip	•	•	•
Body coloured grille and door mirror housings	•	•	•
Aero rocker mouldings	•	•	•
Sports oval exhaust tailpipe	•		
Twin rectangular exhaust tailpipes		•	•
WHEELS AND TYRES††:			
5½J x 14 steel wheels with flush covers	•		
5½J x 14 alloy wheels	○		
6J x 15 alloy wheels		•	•
195/60 VR 14 ultra-low profile radials	•		
205/55 VR 15 ultra-low profile radials		•	•
ADDITIONAL EXTERIOR FEATURES:			
Laminated windscreen	•	•	•
Green tinted glass with windscreen shadeband	•	•	•
Electrically operated front windows with one-touch operation and safety auto reverse facility	•	•	•
Central door locking (doors, tailgate, fuel flap) with security deadlock and torch key	•	•	•
Security alarm system	•	•	•
Push-button tailgate release integrated into right hand tail lamp	•	•	•
Electrically operated sliding/tiltable steel sunroof	•	•	•
Heated rear window	•	•	•
Intermittent tailgate wash/wipe	•	•	•
Twin electrically adjustable/heated door mirrors	•	•	•
2-speed windscreen wipers plus intermittent and flick wipe. Electric screen wash	•	•	•
Twin jet washer nozzles	•	•	•
2-tone horn	•	•	•
2-coat metallic paint	N/C	N/C	N/C

• = Standard equipment † = See audio section for details

○ = Optional at extra cost * = Not available until October 1990

N/C = No cost option †† = All Calibra models are equipped with a steel 4Jx15 space saver spare wheel with 125/85 FR15 tyre

DIMENSIONS inches (metres)



ENGINES

	Maximum Power	Maximum Torque	Engine Features	Fuel
2.0i 8v Cat. 1998cc	115PS (85kW) @ 5200rpm	125.4lb.ft. (170Nm) @ 2600rpm	4-cylinder, overhead camshaft and 8 valve alloy cylinder head, hydraulic tappets and electric cooling fan. Bosch Motronic M1.5 engine management system. Computer controlled fuel injection and ignition with electronic spark timing. Lambda sensor and 3-way catalytic converter. Compression ratio 9.2:1.	Unleaded petrol only
2.0i 16v Cat. 1998cc	150PS (110kW) @ 6000rpm	144.6lb.ft. (196Nm) @ 4800rpm	4-cylinder, double overhead camshafts and 16 valve alloy cylinder head, hydraulic tappets, electric cooling fan and thermostatically controlled engine oil cooler. Bosch Motronic M2.5 engine management system. Computer controlled ignition and sequential fuel injection with knock control and air mass metering. Lambda sensor and 3-way catalytic converter. Compression ratio 10.5:1.	Unleaded petrol only

TRANSMISSIONS

MANUAL		Clutch diameter	Gear ratios						Final drive ratios
			1st	2nd	3rd	4th	5th	Rcv.	
2.0i 8v	5-speed (CR)	8.5in.	3.55:1	2.16:1	1.48:1	1.13:1	0.89:1	3.33:1	3.55:1
2.0i 16v	5-speed (CR)	9.0in.	3.55:1	2.16:1	1.48:1	1.13:1	0.89:1	3.33:1	3.55:1
2.0i 16v 4x4	5-speed (CR)	9.0in.	3.55:1	2.16:1	1.48:1	1.13:1	0.89:1	3.33:1	3.72:1 (Front) 3.70:1 (Rear)
AUTOMATIC									
2.0i 8v	4-speed		3.67:1	2.10:1	1.39:1	1.00:1		4.02:1	2.40:1

Mechanical asbestos-free, single plate clutch. Front-wheel drive (2.0i 8v/2.0i 16v), permanent four-wheel drive with variable torque split (2.0i 16v 4x4). 5-speed close-ratio (CR) gearbox standard. GM 4-speed computer controlled automatic gearbox with Economy, Sport and Winter driving modes is optional at extra cost with 2.0i 8v engine.

NB: automatic transmission and 4x4 models will not be available until October 1990.

PERFORMANCE AND FUEL ECONOMY

Model	Transmission	PERFORMANCE		FUEL ECONOMY mpg (litres/100km)		
		Maximum Speed (mph)*	Acceleration 0-62 mph (100km/h) (secs)*	Simulated Urban Driving	Constant speed	
					56mph (90km/h)	75mph (120km/h)
2.0i 8v	5-speed manual	127	10.0	25.4 (11.1)	46.3 (6.1)	37.7 (7.5)
2.0i 8v	4-speed automatic	124	12.0	24.4 (11.6)	47.9 (5.9)	38.7 (7.3)
2.0i 16v	5-speed manual	139	8.5	27.2 (10.4)	49.6 (5.7)	39.2 (7.2)
2.0i 16v 4x4	5-speed manual	134	9.5	24.6 (11.5)	42.8 (6.6)	35.3 (8.0)

*Manufacturer's figures

Fuel consumption data for Vauxhall passenger cars officially certified by the United Kingdom Government as required by the Passenger Car Fuel Consumption Order 1983.

IMPORTANT: The results given relate to the particular car tested; inevitably there are differences between individual cars of the same model. In addition, some cars may incorporate particular modifications. Driving style, road and traffic conditions, vehicle mileage and standard of maintenance may also affect fuel consumption. Therefore the results do not express or imply any guarantee of the fuel consumption attainable.



WEIGHTS (kg)

	Kerbweight		Gross Vehicle Weight		Maximum roof rack loading	Maximum towing weights			Maximum trailer noseweight load	Rear overhang (metres)	Speed (mph) per 1000rpm manual transmission	
						Trailer with brakes		Trailer without brakes			4th	5th
	Manual	Automatic	Manual	Automatic		Manual	Automatic					
2.0i 8v	1194	1229	1590	1625	100	1350	1350	580	75	0.95	16.7	21.2
2.0i 16v	1219	—	1615	—	100	1200	—	580	75	0.95	17.4	22.1
2.0i 16v 4x4	1304	—	1700	—	100	1300	—	580	75	0.95	16.4	20.9

Gross vehicle weight is the total permissible weight of the vehicle including passengers and their luggage. To determine total carrying capacity, deduct kerbweight from gross vehicle weight.

The maximum towing weights are based on the ability of the car - with two occupants of 150lbs each - to restart on a 12% gradient, which is approximately 1 in 8.3 at sea level. At altitudes above 1500 metres (4921ft.), the engine output may drop with a corresponding reduction in towing capability. Any extra weight, such as luggage or additional passengers, should be deducted from the maximum towing weight. With a trailer fully-loaded, maximum noseweight should not exceed the figure shown. Always fit Vauxhall officially approved towing attachments and accessories available from your Vauxhall dealer. They are the only ones approved by GM for use on Vauxhall cars.

COLOURS AND TRIMS

Exterior colours	Interior trim
Solid colours	
Glacier White	Anthracite
Flame Red	Anthracite
2-Coat metallic colours	
Westminster Blue	Blue
Mistral Grey	Anthracite
Astro Silver	Blue
Black Starmist	Anthracite

N.B. For exterior colour illustrations, please refer to the Vauxhall Colour and Trim leaflet.



BODY

Aerodynamic drag coefficients:

2.0i 8v: Cd 0.26

2.0i 16v/2.0i 16v 4x4: Cd 0.29

All steel 3-door body with extensive anti-corrosion protection. Safety crumple zones, front and rear. Rigid passenger safety cell. Recessed windscreen wipers. Flush fitting front and rear screens, semi-flush fitting side window glass. Flush door handles. Concealed front and rear towing eyes. Burst-proof door locks. Tailgate assist struts. Polypropylene front bumper and rear bumper capable of withstanding minor impacts of up to 2.5mph without permanent damage.

ANTI-CORROSION PROTECTION

Partial use of zinc-coated sheet metal, zinc phosphated bodysheet primed electrostatically (cathodic). All weld seams and joints sealed with special compound. Areas prone to stone damage on underside coated with stone-impact primer. Anti-corrosion primers used extensively on bonnet, tailgate, doors, wings and other panels. Paint finish applied electrostatically. PVC coating applied to wheelarches and other underbody areas. Polymer reinforced anti-corrosion wax pumped into doors, sills and other underbody cavities. Plastic front wheelarch liners. All Calibras carry a 6-year body panel anti-perforation warranty needing no periodic inspections.

LOAD CAPACITIES

cu.ft. (VDA method)

Rear seat up	10.6*
Rear seat down	34.6

* Volume under load cover

SUSPENSION

Front: Independent. MacPherson struts with coil springs and damper cartridge (gas pressure on 2.0i 16v/2.0i 16v 4x4). Anti-roll bar. Negative scrub and anti-dive geometry.

Rear: Independent with semi-trailing arms, progressive rate miniblock springs and telescopic dampers (gas pressure on 2.0i 16v and 2.0i 16v 4x4). Anti-roll bar.

BRAKES

Dual circuit, diagonally split system with direct action servo.

Front: 10.1in. dia. ventilated disc brakes with floating calipers.

Rear: 2.0i 8v/2.0i 16v - 10.2in. dia. disc brakes with fixed calipers.

2.0i 16v 4x4 - 10.6in. dia. disc brakes with fixed calipers.

All models:

Electronic anti-lock braking system (ABS). Asbestos-free friction material. Handbrake-on and low brake fluid warning light. Plastic-coated brake pipes.

Handbrake: mechanical, acting on rear wheels.

STEERING

Power assisted rack and pinion. Energy absorbing steering column with mesh section, telescopic lower spindle and tear-off support. Tilttable steering column.

Turning circle: 2.0i 8v: 10.15m (33.3ft).

2.0i 16v: 10.65m (34.9ft).

Turns lock to lock: 3.3.

ELECTRICS

12 volt negative earth system.

70 amp alternator.

44Ah maintenance-free battery.

AUDIO

Vauxhall's long-standing reputation for fitting high quality audio equipment is maintained by the new Calibra which features the superb Philips DC670 stereo radio/cassette player.

This advanced unit switches on and off with the ignition, but can also be turned on without using the ignition switch simply by pressing the volume knob. To ensure you don't run down your battery, the DC670 switches itself off after one hour of independent operation.



- 4-digit Philips security code burnt into memory chip of the unit - cannot be erased
- Microprocessor-controlled PLL quartz digital tuning
- 20-station electronic memory
- Additional 10-station autostore memory
- Transflective liquid crystal display
- Automatic three-level search tuning
- Up/down manual tuning
- Single button station storage
- Autoreverse stereo cassette deck with LCD tape direction indicator
- Manual tape direction reverse facility
- Radio reception during fast wind
- Auto cassette insertion with auto start
- Auto replay after fast wind to end of tape
- ESC Electronic Speed Control
- Autostop: Tape 'salad' protection
- Front/rear fader control
- Stereo balance control
- Continuously variable tone control
- Illumination of radio controls with car lights on
- 4 x 4.5 watts output

VAUXHALL. No.1 FOR CUSTOMER CARE

Calibra models are just part of the comprehensive range of Vauxhall cars: a range that is one of the widest in the UK and which offers the best of modern engineering technology. And one which has an enviable reputation for sound quality, affordable technology, attractive styling and 'driveability' too. And now there's the added peace of mind of Vauxhall Assistance.

Whether you buy a Nova, Astra, Cavalier, Calibra, Carlton or Senator, you can be sure that you and your car will have the full backing of Vauxhall, part of the world's largest motor manufacturer - General Motors.

Vauxhall has one of the largest franchised dealer networks in the UK. With well over 600 Vauxhall dealerships in

operation, you're never far from one, and most offer the full range of the services detailed here.

To maintain the high standard of customer service expected from Vauxhall dealers, new appointments must first undergo a rigorous vetting and selection procedure. This is followed up with continuous monitoring to ensure customer satisfaction.

A glance at the list of services shows that your Vauxhall dealer is able to provide much more than simply new and used cars. When it comes to service and parts, he is committed to providing high standards of customer care and support. In addition, he can arrange motor insurance, mechanical and breakdown protection and may also offer car hire and leasing.



ASSISTANCE

Vauxhall Assistance is the most comprehensive motoring assurance package in the UK. Designed and run in conjunction with the RAC, it is automatically extended to every new Vauxhall car for the first 12 month warranty period. Its wide-ranging list of benefits includes: Full roadside rescue and recovery including 'at home' service, replacement loan car* and overnight accommodation* where necessary, European cover and a unique Accident Management Service.

You'll also be entitled to many other RAC benefits including free technical advice on all aspects of motoring, holiday discounts, free legal advice and support, and full European travel insurance and booking service. Ask your dealer for full details.

*Subject to certain limitations



PARTS

In addition to offering a comprehensive range of accessories to complement our vehicles, the Vauxhall Parts organisation controls an inventory of around 24 million genuine spare parts.

Housed in our massive central warehouse, parts are rapidly available for urgent despatch to supplement your dealer's stock.

Genuine Vauxhall replacement parts also carry a 12 months unlimited mileage warranty against defect, and when you're abroad it's comforting to know that the same parts are available at GM service stations in Europe.



SERVICE

Vauxhall cars are noted for their meagre routine servicing requirements, being

The benefits of buying Vauxhall are apparent even when you come to sell. With such a well established dealer network and with a range of cars renowned for their reliability - and for their excellent 'residual' values - trading in for another new Vauxhall can be a very attractive proposition. And, with all the attendant benefits that come with this fine range, a wise one.

THE VAUXHALL WARRANTY

In addition to the new car warranty - 12 months with unlimited mileage - there's a 6-year body panel anti-perforation warranty requiring no periodic checks. And both warranties are transferable to any new owner if the car is sold within the warranty periods.

among the industry leaders in this respect.

Factory-run courses ensure that dealer technicians are always abreast of the latest developments and are expert in the use of the sophisticated electronic test equipment that's a feature of the modern Vauxhall dealer service station.

All of which points to the advantages of entrusting routine servicing to the people who know your car inside and out - your local Vauxhall dealer.

And even abroad you have the backing of a vast network of GM dealer service points throughout Europe.



RENTAL

Vauxhall Rental offers an extensive range of vehicles from a network of registered dealers throughout the UK.

Only Vauxhall dealers offer Vauxhall Rental, so you can be confident that the

vehicle you select will be clean, well prepared and maintained and offered at attractive rates. Ring Vauxhall Rental Headquarters on 0582 609960 for your nearest dealer.



SUREGUARD

Mechanical and Breakdown Protection

Vauxhall Sureguard is one of the most comprehensive extra-protection mechanical and breakdown insurance schemes offered by any manufacturer. For a period of up to four years, it offers extended cover against mechanical failure plus all the benefits of both Vauxhall Assistance and Vauxhall Security.

Your Vauxhall dealer will be pleased to provide you with full details.



INSURANCE

You could well be paying more to insure your new Vauxhall than you need to.

The Vauxhall Insurance plan could bring you substantial savings, since it is designed to provide Vauxhall owners with special rates. The benefits are available to owners of all Vauxhall products of any age, have the full backing of Vauxhall Motors Ltd, and the security of a Lloyds Motor Insurance Syndicate.

Ask your dealer for details, or ring the quotation hotline on 01-534 0131.



MOTABILITY

Disabled people in receipt of the DSS Mobility Allowance or the War Pensioners' Mobility Supplement receive special help from Vauxhall.

Attractive preferential prices or the advantages of low cost contract hire are available through your local Vauxhall Motability Registered Dealer.

In addition, those in receipt of the DSS Severe Disablement Allowance also qualify for preferential prices through our own Motability Plan.

Trained Motability staff are there to assist you. Alternatively, ring Vauxhall Motability Helpline on 0582 696332.



MASTER HIRE LEASING

A nationwide network of selected Vauxhall dealers provides competitively priced, service-oriented car contract hire to business, professional and local authority users. And the full service is locally based at a nearby Vauxhall dealership.

Call Master Hire Leasing on 0926 452557 for the location and number of your nearest Master Hire Leasing dealer. Their Master Hire specialist will be pleased to discuss the financial advantages of contract hire relevant to your business.



FOR EXTRA PEACE OF MIND

When you own a stunning sports coupé like the Calibra, it's certain to attract a great deal of enthusiastic attention from those who appreciate classic automotive styling. But it's comforting to know that Vauxhall offers Calibra owners extra protection against those few individuals whose 'interest' might be rather less innocent. The Calibra's inventory of security features is unrivalled:

- Electronic security alarm system
- Central door locking with security deadlock system
- Fuel filler flap included in central door locking system
- Automatic closure of powered windows from outside the car by turning the key in the driver's door to 30 degrees
- Security-coded radio cassette player
- Free security window etching service

The newly developed security alarm system works in conjunction with the car's deadlock central door locking and not only senses doors, the bonnet or the tailgate being opened but can also detect motion inside the car. An arm reaching in through an open window or even just a broken window is enough to activate the alarm.

The alarm also protects the stereo system on a separate circuit, immobilises the car through the starter motor and even protects itself against unauthorised disconnection. It is activated by deadlocking the vehicle with the door key and the system is fully protected against false alarms.

FREE CAR LOAN

But if the worst should happen and a Calibra that has been window-etched is stolen during the first year of ownership, the owner need only phone Freephone Vauxhall Security (after reporting the theft to the police) and they are entitled to the free loan of a car, excluding fuel and insurance, for up to seven days.

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 (May 1990). However, with Vauxhall's policy of continuous product improvement, the Company reserves the right to change specifications and make modifications to the vehicles described and illustrated at any time.

Any alterations affecting the description and illustrations in this publication will be notified to Vauxhall dealers at the earliest opportunity. Please consult your Vauxhall dealer for the latest information.

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VAUXHALL

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