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# **Vauxhall Corsa 1.4LS Automatic**



HE NEW CORSA JOINS THAT SELECT band of small hatchbacks that's available with automatic transmission. Unlike the Fiesta, Metro and Micra, with their continuously variable transmissions, the Corsa sticks to the more traditional technology – complete with torque converter. However, its sophisticated control mechanism includes "lock up" of both third and top gears (it's a four-speed unit, of course), as well as special S (sport) and \* (winter) buttons around the control lever. The idea is to have a more responsive, revvy engine in sport mode, while the winter button gives a third-gear, everso-gentle pullaway from rest in treacherous conditions. This means that it's good for soggy gymkhana sites in high summer, too.

You soon realise that this 'box is unusually sensitive to mood and accelerator pressure, even in D. Clever electronic control ensures remarkably smooth shifting, both up and down, for most of the time, even though second gear is willingly selected on street corners and downchanges occur at 50mph halfway up

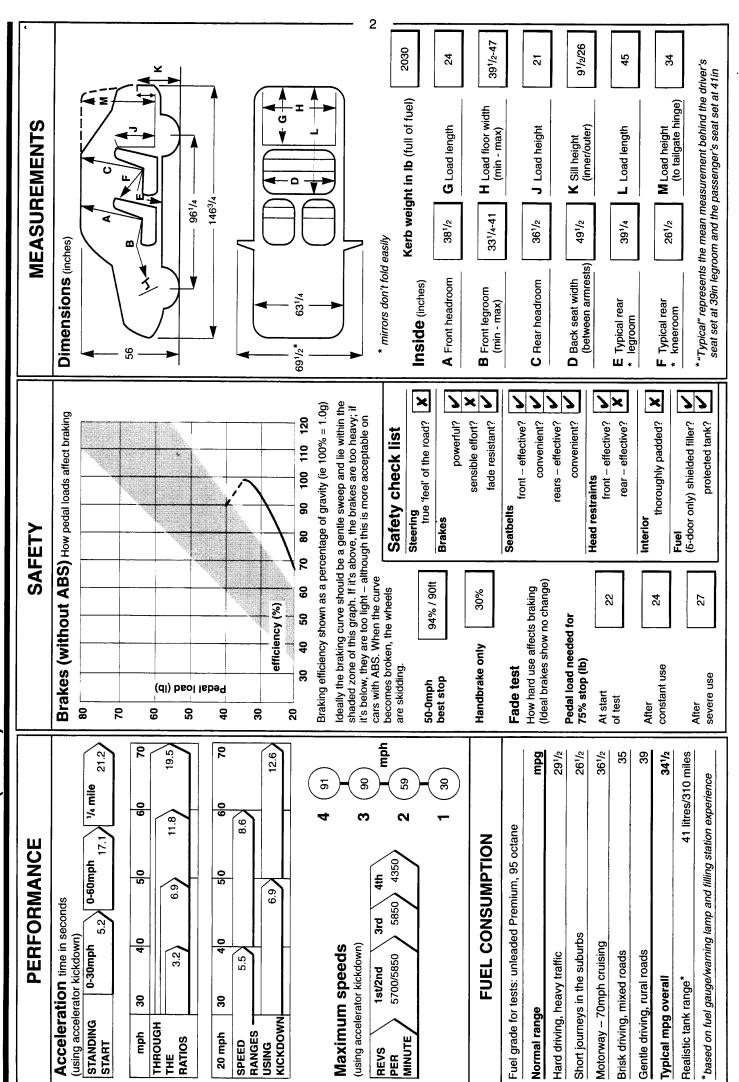
a main road hill. Indeed, there are times when you're given a downshift you weren't looking for. Nevertheless, we rate the Corsa's general "driveability" highly; in this respect, it's the best non-CVT small automatic currently on offer.

But was Vauxhall wise to stay with a non-CVT design? The psychology of "what you're used to" can't be overlooked, of course. Two-car families, where the other car is a big automatic, will be familiar with this Corsa's ways from day one. However, our carefully conducted performance and economy tests produced a set of figures that revealed that same old bugbear so apparent in all small autos in the past.

The facts are that a torque converter may be a very user-friendly device, but it also suffers form fundamental mechanical inefficiency, which even the Corsa's clever buttons and downshift sensitivity can't overcome. Indeed, the car is programmed to stay in second gear at any speed up to 30mph in the first half a mile away from a cold start (or 40mph in third). This is presumably aimed at getting the catalyser working in

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# Vauxhall Corsa 1.4LS Automatic (5-door)



the shortest time, but in the process it does no good at all to the car's fuel economy on short suburban runs.

In fact, there's a general tendency to use more fuel, – on longer runs, too. Compared with the manual version, there's a 7½mpg deterioration overall and in the suburbs, this automatic uses twice as much fuel as the turbo-diesel version. Our tables show that it's significantly slower and thirstier than the CVT duo, Metro and Micra, but of course, these both boast 15bhp more; at present, the 60bhp 1.4 Corsa power unit is the only one offered in the automatic.

The Corsa has been around for a year now and we detected some improvement in its suspension's spring and damper control – it flounces about less and the quicker power steering (an optional extra fitted to our test car) means that you can catch and correct its directional waywardness more easily. It's not particularly light in its responses into bends, however; at times, the standard manual set-up seemed to demand less effort. It's in parking manoeuvres that the driver really benefits from the power assistance.

Out on the open road, this Corsa automatic's engine runs at the same brisk speed as the manual's, pulling just 21.3mph per 1000rpm. CVTs have longer legs and feel less fussy when cruising at 70mph. Actually, this 'box is set to give its top speed in both third and fourth ratios, and will even respond to kickdown at 80mph, so it's a willing worker.

More prosaically, the accelerator is too high-set and heavy, but the double width brake pedal is ideal for left foot use, if preferred, and there's a lot of stretching space beside it, but no footrest.

No serious complaints about the shift quadrant, although it's easy to inadvertently touch the S button; fortunately, there's a facia warning lamp. If you're not all that tall, it might be worth having seat height adjustment as an optional extra on the LS – the seat is rather low and the fixed-height wheel is prominent. There's barely enough lower spinal support on the LS seats, either.

The GLS offers more and also has valuable deadlocks with central locking. The sill buttons on the LS five-door are very difficult to pull up as you stretch across the car, so that's another highly desirable optional extra. By the time you're finished, it's better to go for the GLS and get the financial benefit later in terms of enhanced resale value.

# TECHNICAL SPECIFICATION

Same as for 1.4LS manual (see R9317) except for:

## TRANSMISSION

Type

automatic with hydrokinetic torque coverter and epicyclic four speeds and reverse; lock-up clutch on upper two ratios. Electronic shift control with winter and sport buttons

on selector

Ratios

first 2.81, second 1.48, third 1.0, top 0.74 and

reverse 2.77:1

Final drive

4.05:1, to front wheels

Mph per 1000rpm

(theoretical)

21.3 in top, 15.7 in 3rd

Rpm at 70mph

(observed)

3340 in top gear, cruising on

level road

CHASSIS

Steering

optional power-assisted rack and pinion on test car, with 2.7 turns between full locks. Turning circles average 33<sup>1</sup>/2ft between kerbs, with 45ft circle for one turn of

the wheel

### **VERDICT**

The Corsa five-door is a small car that isn't. Compared with most rivals, except the Punto, it scores on safety and superior space, both for passengers and luggage, making it viable as the sole family car.

It doesn't prove quite so big a car in its road manners, though – there are sharper-handling, smoother-riding and more mechanically refined alternatives in this class. It's not the automatic's fault – this is a user-friendly device that performs very smoothly. Nevertheless, our statistics reveal its limitations, in terms of performance and fuel thirst.

HOW THEY COMPARE	Engine cap/power (cc/bhp)	Max speed (mph)	30-70mph through gears (sec)	Fuel economy (mpg)	Brakes best stop (%g/lb)	Maximum legroom – front (in)	Typical leg/ kneeroom – rear (in)	Steering turns/ circle (ft)	Overall length (in)
Vauxball Corsa 1.4LS Automatic	1389/60	91	19.5	341/2	99/35	41	391/4/261/2	2.7/33 <sup>1</sup> / <sub>2</sub> (p)	1463/4
Rover Metro 1.4L Automatic	1396/75	98	13.1	39	94/57	41	371/2/241/4	3.6/32	1383/4
Nissan Micra 1.3LX Automatic	1275/75	100	12.3	421/2	88/33	40 <sup>1</sup> /a	37/26	3.7/313/4	1451/2
Renault Clio L4RT Automatic	1390/80	100	15.0	371/2	88/45	391/2	363/4/25	3.4/33 <sup>3</sup> /4(p)	146
Ford Fiesta 1.3 Automatic (CTX)	1297/60	93	17.4	40°/z	105/50	40 <sup>1</sup> / <sub>2</sub>	371/4/261/4	4.6/33	1471/2
						***************************************		(p) power assisted	