



The fastest, most powerful CX yet.

Incorporating Bosch L-jetronic petrol injection and five-speed transmission.

Good, safe handling and excellent ride comfort.

A superb car, let down by rather poor ventilation.

EVER SINCE the appearance of the corrugated-iron 2CV immediately after the War, it would be fair to say that Citroën have never built a conventional car. Indeed, in many ways, Citroën have done everything that was, at the time, against all engineering tradition.

In 1955, they stood the motoring world on its head with the introduction of the ID/DS range, a car which was said to be 10 years ahead of its time. Now, some 22 years later, no other manufacturer has quite caught up with the French revolution. The CX, which appeared, in its 2-litre form, in 1974, was not perhaps such a surprise. Although its long, smooth shape continues in the DS tradition, it was nothing like as startling as the SM. With the new car, Citroën were able to pick the best of the bunch from their previous ideas. Naturally, front-wheel drive was retained, but the engine was transverse, canted forward, with the transmission behind it. The oleo-pneumatic, self-levelling suspension was retained, and the self-centering, power steering came from the SM.



In May of this year, the GTi was launched in continental Europe, and last month it became available in Britain. The engine, with bore and stroke dimensions of 93.5 X 85.5mm, is one of the largest four-cylinder units in use today, with a capacity of 2,347 c.c. The biggest change is the use of petrol injection in place of the twin-choke Weber used on the normal CX2400; the

system is Bosch's L-jetronic, electronically controlled. This, with a marginal increase in compression ratio from 8,75 to 9.10-to 1, brings about an 11.5 per cent increase in power, from 115 bhp (DIN) at 5,500 rpm to 128 bhp, developed at only 4,800 rpm. Torque too is up, by 10 per cent, to a useful 145 lb.ft. at 3,600 rpm. To maintain tune and to reduce servicing costs, the GTi is fitted with contactless electronic ignition.



There are major changes, too, in the transmission. The four-speed, manual gearbox of the carburettor-engined car is replaced by an all-indirect, five-speed one; the tyre size and sections are unchanged, using Michelin XVS 185HR14 covers, but mounted on lightweight alloy wheels.

First gear is marginally lower than on the carburettor car (3.17 compared to 3.1 5-to-1) but top is now a true overdrive, pulling 21.1mph per 1000 rpm on the same 4.77-to-1 final drive ratio. This high gearing means that the GTi tends to be far more' comfortable when cruising really fast on motorways, but even so, at the mean maximum speed of 118 mph the revs are well past the peak of the power curve, at nearly 5.600 rpm.

Front-wheel-drive cars always tend to look and sound slightly "hooligan" when moving off under full power but, with its big section tyres, the GTi managed to retain some of its dignity, with just a few yards of wheelspin when the clutch was engaged at around 3,500 rpm.

The extra power and torque by comparison with the CX2400 show up immediately in terms of times taken in acceleration, with 40 coming up in 5.1sec against 5.8sec, 60 in 10.1 (11.8) and 80 mph in 18.2 sec, 2.8 sec better than the CX2400. It took a certain amount of experimenting to get best times for with the power being developed low in the rev range, there was a tendency to hang on in the gears up to the 6,000 rpm red line. We eventually settled for changing at 5,500 rpm. The difference is shown by the times recorded - 10.1 sec to 60 mph changing at 5,500, against 10.6sec at 6,000 rpm. But the really "remarkable feature about the GTi is the extraordinary flexibility of the engine especially when it is remembered that it has only four cylinders.

In top (fifth) gear it would pull away cleanly from 20mph - that is under 1,000 rpm - without any fuss. This is a real credit to the combination of engine design and the and the efficiency of the L-jetronic injection.

In the lower gears, the GTi will reach 29, 51, 74 and 99 mph at 6,000 rpm, these figures are rather academic, however, as it pays to change up 500 rpm earlier, no matter what the circumstances.



Ride and handling

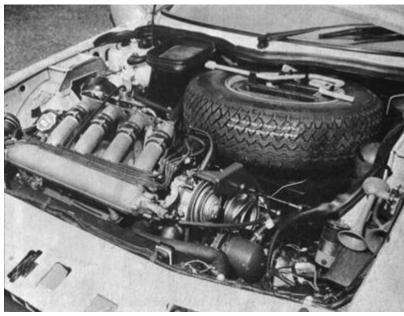
There can be little doubt that, for the first few days of ownership, the GTi can be a rather disconcerting car to drive. The VariPower steering seems to have a mind of its own, the brake pedal no apparent travel, and the drive line can snatch and jerk. It takes time to come to terms with it, but once you have altered your method of driving, the GTi becomes a thoroughly rewarding car to use.

There are just 2.5 turns from lock to lock on the steering, which has power self-centering. Newcomers will drive the car in a series of lurches, until they realize that it must be steered every inch of the way, Let the steering wheel run back of its own accord on the exit from a corner and it will snap back to the centre position. But if the wheel is fed back smoothly, the car responds in a similar manner and one soon learns the technique required for comfortable driving.

The GTi has very nearly 70 per cent of its 26,8 cwt over the front wheels, and this gives it inherent understeer characteristics. The power steering gives just the right amount of assistance, so that it feels heavier as more lock is applied. This in turn gives the driver a good sense of the understeer and prevents the car from being put into attitudes from which it cannot recover. The steering is also speed-sensitive, with less assistance being given the faster the car is travelling. On motorways, this means that it feels very heavy but, as you never want to turn at right angles at this sort of speed, it gives the car a very high degree of stability. We have found that all the CX range tend to wander very slightly at speed; left to their own devices, they are happy, but if the driver tries to correct, a weaving motion will set in.

The original oleo-pneumatic, self-levelling suspension system used on the DS has been considerably refined and is no longer, as we once described it, "heave and sigh for the open road " The ride comfort is good, with ample wheel and spring movement to absorb humps, undulations, and potholes with ease. Yet the damping effect is on the firm side, which cuts out

any tendency to wallow or pitch. It is only on coarsely-surfaced roads (concrete sections of motorway especially) that any harshness is transmitted into the passenger compartment. Running over cats' eyes will also produce a sharp bang. Between the front seats is a control to adjust ride height. There are two "on the move" positions: normal and high. The very high, wheel-changing position can be used at low speeds on very rough tracks.



Despite the apparently packed underbonnet area, access around the transverse engine is fairly goo. The injection control equipment is behind the four induction pipes. The rectangular unit to the left of the spare wheel is the heater/ventilation air intake. The wheel changing equipment is stowed on top of the spare, with the central hydraulic reservoir tucked in the right-hand rear corner of the bonnet opening. The bonnet is propped open by an over-centre strut.

Fuel consumption

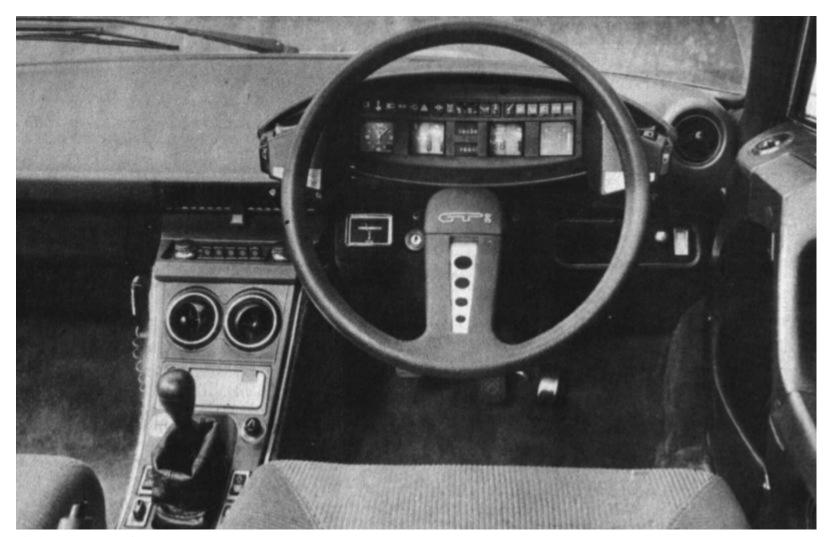
Our fuel measurement equipment does not yet allow us to tackle cars with petrol injection but, overall, the GTi returned 21.6 mpg, compared with the 23.5 mpg of the CX24OO carburettor car which we tested in July of this year. Our best figure, using the car for normal running about and keeping off motorways and high-speed driving, was 23.1mpg, while a really fast run dropped the brim-to-brim figure to 19.4mpg. So, with reasonable use, the 15 gallon tank should give a range of about 320 miles. A good feature is that the fuel filler has a big neck, so there is no blowing back.

Brakes

Full power braking, using the high-pressure hydraulic system which also serves the suspension and steering, is used on the CX GTi. As we said earlier, this tends to be a bit disconcerting at first because the pedal has hardly any travel. A progressive spring bias is built in to give the feel. Pressures are light, with just 20lb needed for check braking and 50lb giving a maximum of 0.95g. Because the CX GTi has anti-dive suspension the nose does not dip, even under heavy braking, and this can give the impression that the brakes are not working properly.

From cold there is a tendency for some initial fade, but this stabilizes after five stops from 70mph at 0.5g
The parking brake works, unusually, on the front discs, using

its own separate pads. With so much weight over the front wheels it is highly effective, giving O.45g, which means that it could be useful in an emergency. It held the car easily on the 1-in-3 hill, from which it was able to move off again with just a scrabble of front wheelspin.



Fittings and comfort

Like the rest of the car, Citroën like to be different from everyone else when it comes to the interior. They have managed to break away from the traditional layout; their facia panel looks more like a piece of modern sculpture than the product of a car

factory.

In their own perverse way, they have also stuck to their rotating drum speedometer and rev counter. While these may fit the company's futuristic image, they cannot be read quickly; dials with needle pointers would be very much better. For the fuel gauges and voltmeter, vertical scale displays are used; the fuel gauge is not a hot wire type, and lurches up and down in corners or under acceleration. The GTi has the usual CX press-button oil level sight glass tucked away beneath the right-hand side of the facia, and only this model has the temperature gauge on the opposite side.

The main controls and switches are carried on two "horns" which flank the instruments and are within finger-tip reach when the hands are on the steering wheel. The group on the left include a rocking switch for the indicators which, as in all Citroëns, are not self-cancelling. A loud repeater and clear warning lamp ensure that the driver does not forget, and after a few miles one starts to appreciate this system. Beneath the indicators is the wiper switch with intermittent sweep position. All the CX range have a single, huge blade, pivoted centrally. This is effective enough up to about 70mph, but beyond that there is a tendency for it to lift off at the top of the blade, right in the driver's line of vision. A light pressure on the horn button produces a polite noise; more pressure and a pair of strident air horns join in. On the opposite side, matching switches control the headlamp dip/main beam, main lighting switch and the headlamp flasher.

The headlamps are not particularly good, producing a woolly pattern. On dip beam and a rather uncontrolled blast of light on main beam. On the GTi, a pair of very effective front foglamps are standard, as are the built-in rear foglamps, controlled by press-button switches hidden away under the control panel. Lighting for the speedometer and rev counter comes on with the ignition, the remainder of the instrument lighting being controlled by the main lighting switch. A dimmer controls the intensity.

A central console carries the radio (an extra), ashtray and cigarette lighter, controls for the electric front windows, and press button switches for the heated rear window and really good interior lamp. Tucked between the seats, alongside the suspension height control, are the group of three heater and ventilation controls.

For a car which started on a virtually clean sheet of paper, the ventilation is something of a disappointment. There is little ram effect, and the blower is needed virtually all the time. A water-valve heater control is used, and this takes a long time to respond, so that it tends to be difficult to achieve a comfortable climate within the cabin.

To complement the excellent ride, the seats in the GTi are very comfortable, trimmed in a wide-ribbed corduroy material. For the driver, the seat cushion can be adjusted for tilt, while both front seats have reclining backrests, although the lever controls do not give the same precise adjustment that can be achieved with a wheel control. If there is criticism, it is that there is not quite enough lateral support from the backrests. At the sort of speeds at which the GTi can be cornered the driver tends to have his body rolled off the seat. Head restraints are standard, with soft, clip-on cushions.

Rear-seat passengers have ample head and leg room, with a drop-down armrest to provide some extra location. The seating is again very comfortable. The rear windows are controlled by normal handles, and the doors are fitted with childproof catches.

Neither front door can be slam locked and a separate key is used for these and the boot.

Visibility is really superb and, despite the long, sloping bonnet line, which disappears from the driver's vision, the GTi is really a very easy car to place. The pillars are slim and the quarter window, behind the rear passengers, ensures that there are no serious blind spots. Noise levels too are low, with a gentle rush of wind over the smooth lines. Under full-throttle acceleration, the big four-cylinder engine tends to be a bit thunderous, yet even this noise is subdued once cruising speed has been reached and held.

Boot space is generous, and the almost-vertical rear panel lifts well clear to make loading easy. With the spare wheel and jacking equipment stowed away under the bonnet, the space is totally uncluttered. An interior lamp is provided and there is the additional light, with the parking lamps on, from the number plate lamps, which have a window in the rear of their housings. Under the bonnet, the transverse engine and its neat layout of petrol injection equipment is fairly easy to work on, and the spare wheel, stowed flat at the rear of the compartment, does not need to be removed. But getting it out is quite a job, and care has to be taken not to knock off the various electrical connectors which surround the wheel.

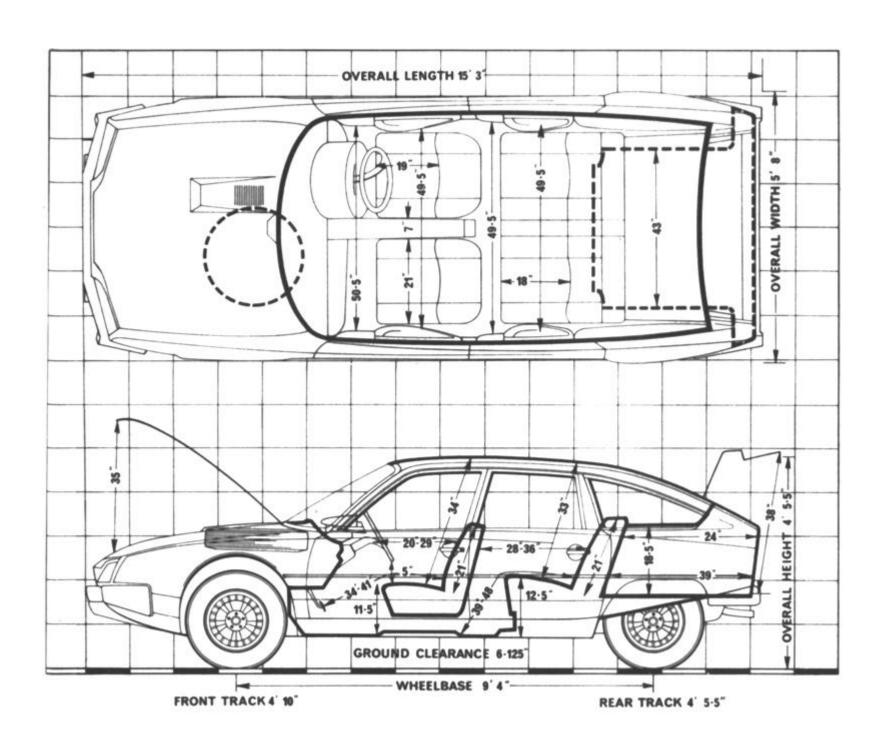
The only slightly difficult item to check is the battery, buried in the left-hand front wing, ahead of the wheel. The "heart" of every CX is the high-pressure pump for the hydraulic supply, but this is located so that changing the drive belt is a very simple task.

	SPECIFICATION		Maximum Speeds						
ENGINE	Front, front wheel drive	Gear	mph	kph	rpm				
Cylinders	4, in-line transverse	Top (mean)	118	190	5,590				
Main bearings	5	Top (best)	117	188	5,545				
Cooling	Water	4th	99	159	6,000				
Fan	Electric	3rd	74	119	6,000				
Bore mm (in)	93.5 (3.68)	2nd	51	82	6,000				
Stroke mm (in)	85.5 (3.37)	1st	29	47	6,000				
Capacity cc (cu. in)	2,347 (143)		Acceleration						
Valve gear	ohv	True mph	Time (sec)		Speedo mph				
Camshaft drive	Chain	30	3.5		28				
Compression ratio	9.1 to 1	40	5.1		40				
Octane rating	98 RM	50	7.4		51				
Injection	Bosch L-jetronic	60	10.1		61				
Max power	128 bhp (DIN) at 4,800 rpm	70	13.7		72				

Max toro	que	145 lb. ft. at 3,600 rpm	80 18		18.2	8	32	
TRANS	MISSION		90 24		24.3		92	
Type		Five speed, all-synchromesh			34.4		03	
Gear	Ratio	mph/1000rpm	110		-	1	14	
Top	0.73	21.1	Standing 1/4	mile	17.4	17.4 sec, 75 mph		
4th	0.94	16.5	Standing kil	ometre	32.3	sec, 97 mph		
3rd	1.25	12.4	mph	Top	4th	3rd	2nd	
2nd	1.83	8.5	10-30	-	8.8	5.9	3.8	
1st	3.17	5.0	20-40	10.9	7.8	5.4	3.6	
Final dri	ve	Helical spur	30-50	10.9	7.5	5.1	3.9	
Ratio		4.77 to 1	40-60	11.0	7.8	5.0	-	
SUSPEN	NSION		50-70	11.6	8.3	6.4	-	
Front		Double wishbones	60-80	11.7	10.8	-	-	
	- dampers	Hydropneumatic units	70-90	13.4	-	-	-	
Anti-roll	-	Yes	80-100	15.7	-	-	-	
Rear	- Our	Trailing arms	CONSUMPTION					
	- dampers	Hydropneumatic units	Fuel			car formula		
Anti-roll		Yes	Overall mpg: 21.6			Hard driving, difficult		
STEER!		168	•	•		itions		
SIEEKI	ING	D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(13.1 l/100 km	m)	19.6	mpg		
Type		Rack and pinion with power self-	Calculated D	10		age driving,	average	
	• ,	centering	(13.4 l/100 kr	m)	cond	itions		
Power as		VariPower	Constant spe	eed:	23.8	23.8 mpg		
Wheel di		15.0 in	Measuring equipment not		Gent	Gentle driving, easy		
BRAKE	S		Measuring et	andment not	cond	itions		
		10.24 in dia. disc	compatible with petrol injectio			ion 28.1 mpg		
Front			compandie w	im penoi mje	Ction 20.1	10		
Front Rear		9.20 in. dia. disc	-	el: Premium, f				
			Grade of fue		our star (9	8 RM)		
Rear	LS	9.20 in. dia. disc	Grade of fue	el: Premium, forder: 3.0 per	our star (9	8 RM)		

Rim width	5 1/2 in.	Padal laad	for 0.5g stops	: (lb)			
Tyres - make	Michelin XVS	Pedal load for 0.5g stops (lb) start/end start/end					
Tyres - type	Radial ply tubeless	1				0/50	
Tyres - type Tyres - size	185HR14	$\overset{1}{2}$	30/35	6 7		0/50	
EQUIPMENT	10311K14	3				0/55	
•	12 volt 60Ah	4	35/40	9		0/55	
Battery		5	10	40	0/55		
Alternator	80 amp	Response from 30 mph in neutral					
Headlamps	Halogen 90/190watts total	Load	•		Distance		
Reversing lamp	Standard	(lb)	\mathbf{g}		(ft)		
Hazard warning	Standard	20	0.35		86		
Electric fuses	4	30	0.55		55		
Screen wiper	2 speed, plus intermittent	40	0.72		42		
Screen washer	Electric	50	0.95				
Interior heater	Water valve	Handbrake	0.45		67		
Interior trim	Cloth seats, PVC headlining	Max gradient: 1 in 3					
Floor covering	Carpet	CLUTCH					
Jack	Screw pillar	Pedal 40lb and 5 1/2 in					
Jacking points	4 under sills	TEST CONDITIONS					
Windscreen	Laminated	Wind 4 - 10 mph					
Underbody protection	Paint and wax	Temperature $13 \deg C (55 \deg F)$				F)	
MAINTENANCE		Barometer 29.8 in Hg					
Fuel tank	15.0 Imp gal (68 litres)	Humidity		72 per cent			
Cooling system	18.5 pints (inc heater)	Surface Damp asphalt and concrete				d concrete	
Engine sump	8.2 pints SAE 20W/50	Test distance 1,137 miles					
Gearbox and final driv	1	REGULAR SERVICE					
Greasing	No points	Interval (miles)					
Valve clearance	Inlet 0.006 in (cold)	Change		3,000	6,000	12,000	
. al , o oldalalico	Exhaust 0.008 in (cold)	Engine oil		Yes	Yes	Ýes	
Contact breaker	Electronic ignition	Oil filter		-	-	Yes	

Ignition timing	25 deg BTDC (at 2,500 rpm)	Gearbox	-	-	Yes			
Spark plug - type	Champion L87Y	Spark plugs	-	-	-			
Spark plug - gap	0.025 in	Air cleaner	-	-	Clean			
Tyre pressures	F 30 R 32 psi (normal driving)	Total cost	£5.62	£10.57	£31.95			
Max payload	1,025 lb (466 kg)		T					
1 7	WEIGHT	(including VAT)						
Kerb. 26.8 cwt/3,000 lb/1,364 kg		Brake pads (2 wheel		£16.90				
Distribution F/R 69.5/30.5		Brake pads (2 wheel		£11.55				
As tested 30.0 cwt/3,3		Exhaust system		£83.58				
Boot capacity	16.8 cu ft	Tyre - each (typical a		£46.22				
Turning circles:		Windscreen			£136.48			
Between kerbs	L 35 ft 9 in R 35 ft 4 in	Headlamp unit			£42.98			
Between walls	L 38 ft 8 in R 38 ft 4 in	Front wing		£42.07				
Turns lock to lock	2.5	Rear bumper		£66.29				



Comparisons	Price (£)	Max mph	0-60 (sec)	Overall mpg	Capacity (c.c.)	Power (bhp)	Wheelba	se Length	Width (in)	Kerb weight (cwt)	Fuel (gal)	Tyre size
Citroën CX GTi	6,530	117	10.1	21.6	2,347	128	112.0	181.0	68.0	26.8	15.0	185HR14
Audi 100-5E	5,599	109	11.8	23.3	2,144	136	105.5	184.5	69.5	23.5	13.2	185/70- 14
Lancia Beta 2000	4,513	110	10.1	24.0	1,995	119	100.0	169.0	66.5	21.8	11.4	185/70- 14
Princess 2200 HLS (A)	4,320	98	14.2	21.8	2,227	110	105.0	175.5	68.0	23.9	16.0	185/70- 14
Renault 30TS (A)	6,185	111	11.7	20.2	2,664	131	105.0	178.0	68.0	25.5	14.7	175HR14
Test Scorecard												
(average of scoring	by Auto	car Roa	d test Te	am)								
Ratings	6 Excel	lent				PERFO	ORMANO	CE				4.67
	5 Good STEERING AND HANDLING								4.92			
	4 Above average BRAKES								4.40			
	3 Average COMFORT IN FRONT								4.17			
2 Poor COMFORT IN BACK							4.00					
	1 Bad				DRIVERS AIDS						4.00	
							0	ıts, wiper	s, visibil	ity, etc.		
						CONT						3.75
						NOISE						4.17
						STOW						3.67
						ROUTINE SERVICE					4.50	
under-bonnet access, dipstick, etc												
	EASE OF DRIVING							4.36				
						OVER	ALL RA	TING				4.30

Where it fits in

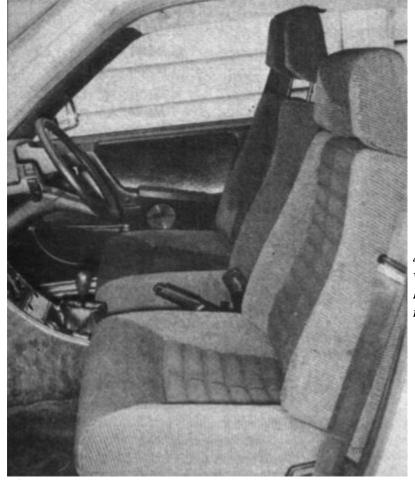
At £6,350, the GTi is the second most expensive CX in the range, which starts with the 2000 Confort, at £4,461. The two 2400s are the Super and Pallas, at £4,991 and £5,498, while the Prestige, the top model in terms of trim, with metallic paint, tinted glass, air conditioning and Citroën's own C-matic three-speed, semi-automatic transmission all standard, runs out at

£7,77O. C-matic is available as a £270 extra on all the 2400s, except the GTi.

Conclusion

This is the fastest of the Citroën CX range, a car perfectly capable of being cruised all day long flat out, carrying its passengers in near-perfect comfort. There can be little doubt that, as always, you either get on with the Citroën way of life, or you do not; there is no half-way house.

It takes time to learn your way about a CX, If you have never driven one before, do not be put off too quickly. In a world where convention and standardization have been imposed on practically everything we use, the GTi comes as a great gust of fresh air to blow away the cobwebs.



Above: The front seats are very comfortable, upholstered in a mixture of jersey and cord. The head restraint cushions are detachable



Above: In addition to the deep door pockets, there is a locker with a drop down lid in front of the passenger

Below right: The door mirror is electronically adjustable by means of the small control on the sill



Above: This neat map-reading light with a flip up magnifier has a built in switch

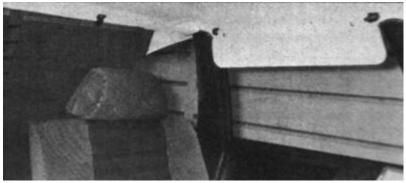




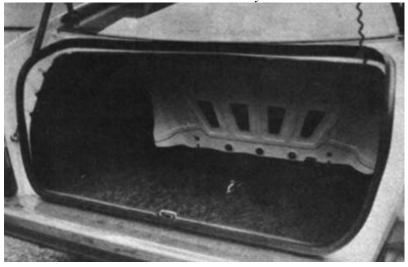
Above: The rear seats have ample head and leg room and the armrest gives good location

MANUFACTURER:

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Above: In bright sunshine or for modesty perhaps, there are 'net' blinds behind the seats and sideways mounted sun visors



Above: With the spare wheel and tools under the bonnet, the boot is free to take a great deal of luggage. It has its own lamp and the sides and floor are fully carpeted. The low sill makes it easy to load

Basic £5,427.00

UK CONCESSIONAIRES

Citroen Cars Ltd Mill Street, Slough Buckinghamshire SL2 5DE

Special Car Tax	£452.25
VAT	£470.34
Total (in GB)	£6,349.59
Seat belts	Standard
Licence	£50.00
Delivery charges (London)	£59.40
Number plates	£7.00
Total on the road	£6,465.99
Insurance	Group 7
TOTAL AS TESTED ON THE ROAD	£6,465.99