



PEUGEOT

505

ESTATE AND FAMILY



NOTE: Please note that an electric sunroof is not available as standard or optional equipment on Peugeot 505 Estate or Family models.



MODEL ILLUSTRATED 505 GTI FAMILY

Peugeot estates are no ordinary cars of their kind. Designed specifically as estates, they have the engineering it takes to cope with the special demands placed on such a vehicle. So they work better than mere saloon adaptations.

First and foremost they are capacious and rugged load carriers. Capacious, because it is space that owners really need. Rugged, so that they can shrug off the punishment of being filled to the brim with all the family's holiday gear or when used to carry those large heavy and awkward items.

At the same time the Peugeot designers believe that an estate should be able to lead a double life. Rolling up its sleeves to shift the loads when required or alternatively rolling out the red carpet for the social occasions, as a supremely comfortable and elegant large car. The 505 range for 1987 can adapt to both extremes.

Power trains have been revised and there is a wider spread of choice. Fuel-injected or carburettor petrol engines with 5-speed manual or 4-speed automatic transmission,

in the 5-seater Estates or the unique 7/8 seater Family versions with their 3 rows of seating. A diesel which is normally aspirated, with a 5-speed manual gearbox, in an Estate or in a Family configuration. And a turbo charged diesel with automatic in a Family model. Somewhere in this range there is the Peugeot 505 that matches your needs.

Certain qualities are shared by every 505. An excellent standard of ride, thanks to Peugeot suspension expertise. Levels of trim and equipment that would grace many more expensive and pretentious saloon cars. Plus the ultimate in practicality: up to 79cu.ft. of load space, on a floor over 91" long in the 2-row Estates, and still a potential 67.7cu.ft. and 81.1" load length even in the Family versions. And with performance and economy.

Only thoroughbreds like the Peugeot 505 Estates and Family designs could have the ability to work so hard. And so beautifully.



MODEL ILLUSTRATED 505 GTI

A Peugeot is designed around two kinds of people: the driver and his passengers. The 505 Estates and Family models have been developed with all the right dynamic qualities, to appeal to the discriminating motorist, and all the right style and comfort to appeal to driver and passengers alike. Only Peugeot's long pioneering experience could produce a range of such practicality and good taste.

The lively engines and slick transmission, manual or automatic, bring out the best in the enthusiast. Response is instant and gives a feeling of being at one with the vehicle. Power-assisted steering and superb suspension result in handling that is light, precise and sure-footed. The all-round visibility is outstanding, while the fascia and console design puts instruments and minor controls in exactly the right places.

The minute you take the wheel of a 505 Estate or Family you'll feel at home. Cavemous though they are, the sensation is one of driving a nimble compact saloon. To make life easier on journeys at night the powerful halogen headlamps can be adjusted from the

fascia to suit the varying loads being carried. The door mirrors are also remote controlled, electrically on the GTI and GTD TURBO versions.

Passengers enjoy a degree of luxury unusual in estate cars but entirely normal for every Peugeot 505. Velour upholstery throughout the range, with matching door inserts. Reclining front seats with head restraints plus, on the higher specifications, heating elements and even height and lumbar support control for the driver. Full floor carpeting in the load area too. Tinted glass all round.

Add to this a very flexible heating and ventilation system and a high-tech audio package with four or six speakers, and it is obvious that the standard for these cars is a premium in an ordinary estate.

For a rare experience in space travel take off in one of the Peugeot 505 Estate or Family range for 1987.

ACTIVE AND PASSIVE SAFETY

Two kinds of safety are designed into every Peugeot: **ACTIVE SAFETY**, to help a driver avoid dangerous situations, and **PASSIVE SAFETY**, to provide the maximum degree of protection round the occupants of a car involved in an incident.

ACTIVE SAFETY

For prompt and reliable response to a driver's manoeuvres, a car needs good weight distribution, steering, roadholding, and braking.

A 505 is inherently well balanced, and the power-assisted rack and pinion steering is precise, with excellent feel. The suspension system for the 505 Estate and Family range is tough enough to

Divided brake circuits are servo assisted, with a load sensitive pressure limiting valve to combat premature rear wheel locking under severe braking. Discs and drums are standard and system integrity is constantly monitored via fascia warning lights.

The large glass area gives maximum all-round visibility, helped by the interior and remote controlled door mirrors. The latter are electrically operated on the top models, with a heating element for cold or damp weather. Tailgate wash/wipe and a heated rear screen are fitted across the range.

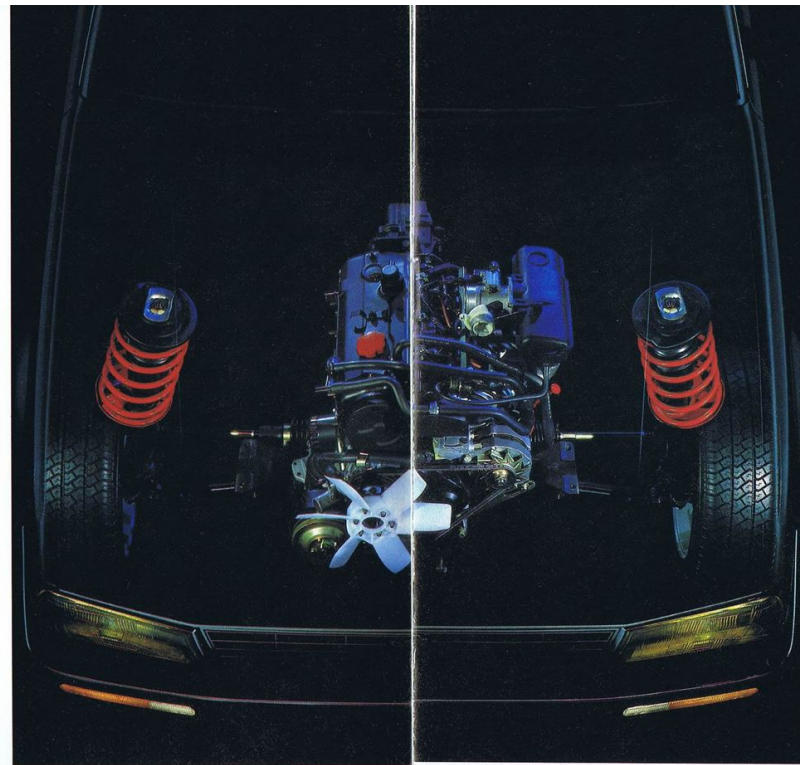
PASSIVE SAFETY

The front and rear sections of the body are shock absorbing structures, progressively deforming under impact to shield the passenger compartment. The soft-rimmed steering wheel is mounted on a collapsible column and laminated screens are standard.

Careful interior styling has eliminated sharp edges from the fascia and seat belts are fitted for all the occupants. For extra peace of mind the rear passenger doors have childproof locks.



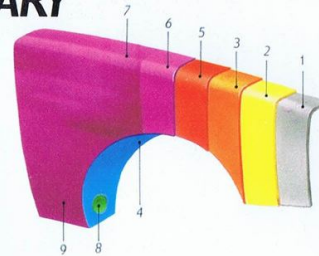
take the loads typically imposed on dual-purpose vehicles but supple enough to provide an excellent ride. Up front there are coil spring struts. The driven rear wheels are mounted on a coil sprung live axle, positively located to combat lateral sway when heavily laden. Front and rear anti-roll bars, plus shock absorbers of unique Peugeot design, maintain optimum tyre/road contact giving the driver constant control.



6-YEAR SUPPLEMENTARY ANTI-PERFORATION WARRANTY

Because extensive perforation protection measures are applied during production, we also offer a 6-year warranty against perforation of the bodywork due to corrosion from the inside of the box sections which are not accessible from the exterior. To benefit from this warranty involves only two checks of the car (taking about 2 hours depending on the model, carried out at the expense of the customer at the end of the second and fourth years of service) at a Peugeot Talbot Dealer. This 6-year anti-perforation warranty is transferable on change of ownership.

- **STEEL PANELS**
All body parts are thoroughly degreased to remove oil deposited during the press operation and to ensure full adhesion of the protective finishes. Perforation resistant zinc or galvanised plated panels are used in vulnerable areas or areas that would be difficult to protect after assembly.
- **PHOSPHATING**
This gives protection against impacts and flaking; it also improves the adhesion of the resin film in the electrophoretic bath. Some box sections are cleaned and phosphated before the body shell is assembled.
- **ELECTROPHORETIC BATH**
This deposits a perforation-proofing epoxy film 15 to 20 microns thick on the whole body shell. Box sections are pierced to assure the protection of internal surfaces.



- **JOINT SEALING**
Sealing between adjacent panels is assured by mastic sealing strips on the inside and outside.
- **CRACKLE FINISH ANTI-CHIPPING COMPOUND (PVC)**
Oven baked, this ensures protection to the parts of the body that are subject to abrasion from road chippings and stones (the coat is 1 to 2mm thick).
- **PRIMER**
The paint undercoat includes rust-inhibiting pigments (zinc chromate) to further improve the anti-perforation protection. This special, flexible primer also has anti-chipping properties.
- **ACRYLIC LACQUER**
This thermosetting paint is baked at 130°C, the fast evaporation of the solvents giving a coat with high protective quality.
- **CLEAR VARNISH**
Applied on top of metallic and black paints, this gives an increased brilliance and ensures protection of the colour pigment from the corrosive elements.
- **WAX**
Pressure injected into the box sections, wax protects these inner surfaces and prevents water ingress between the panels.

TECHNOLOGY

PETROL ENGINES

For adequate power and response when loaded up to their full capacity the GR models—5-seater Estate and 8-seater Family—have a 1971cc unit, with either manual transmission or the optional 4-speed automatic.

Every 505 engine has 4 cylinders, a 5-bearing crankshaft, and an aluminium alloy cylinder head. Developing 108bhp (PS-DIN) at 5250rpm and 124lb.ft. torque DIN at only 3000rpm, the 1971cc engine combines performance with economy and reliability. With 5-speed manual transmission the top speed potential is around 104mph, and the 0-62mph time is just under 13 seconds.

The GTI Estate and Family designs offer staggering performance for such cavernous practical cars. The 2165cc injection engine delivers 130bhp (PS-DIN) at 5750rpm and an impressive torque DIN figure of 139lb.ft. at 4250rpm. These models can accelerate to 62mph from a standing start in around 11.2 seconds, and onward up to a potential maximum of 108mph, with manual transmission. Yet they can still return up to 37.7mpg at a constant 56mph.

For constant tune and performance, first-time starting in all weathers, and minimum maintenance, all these Peugeot petrol engines have transistorised breakerless ignition.

DIESEL ENGINES

The latest generation of diesel is built to a new concept. The cylinder head is light alloy, and the overhead camshaft is driven by a toothed belt of a composite material incorporating glass fibre reinforcement. The cylinder block has dry liners, giving excellent service over a long high-mileage life, and a 5-bearing crankshaft is standard.

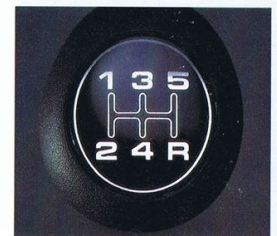
Ultra-reliable because they operate on the principle of compression ignition, the diesels in the 505 GRD Estate and Family and the GTD TURBO Family are

quiet, as smooth as petrol engines, and miserly on fuel. The 2498cc normally aspirated unit in the GR models is mated with 5-speed manual transmission and capable of up to 44.1mpg at a constant 56mph. Turbocharging further increases efficiency and particularly the torque characteristics, so that the unique GTD TURBO Family with its standard 4-speed automatic gearbox has excellent acceleration, 0-62mph in around 19.9 seconds, and can achieve up to 39.2mpg at a constant 56mph.

TRANSMISSION

Except for the GTD TURBO Family, all 505 Estate and Family models are equipped with a 5-speed manual gearbox as standard, with the extra-cost option of automatic transmission on the 1971cc GR and 2165cc GTI versions. The GTD TURBO Family is only available with the automatic gearbox.

The automatic is a 4-speed ZF unit with partial mechanical by-pass of the fluid torque converter in 3rd gear and 100% mechanical lock-up in the overdrive top ratio. This brings several benefits: it improves fuel economy while still



offering 2-pedal motoring but leaves the driver free to use the gearbox manually to suit the mood of the moment. Travel without fatigue in the downtown rush-hour crawl or use a more urgent technique out on the open road; with the ZF automatic the choice is yours.

Additionally, some drivers will appreciate the limited-slip differential fitted to the GTI versions.



505 GR & GRD, FAMILY & FAMILY DIESEL

**1971cc PETROL ENGINE
2498cc DIESEL ENGINE**

These models set the standards for their class, spelling out a new definition of space travel. Able to swallow vast amounts of luggage and accept very long or bulky items, they also present an interior of supreme comfort for passengers.

Up to 79cu.ft. capacity in a 5-seater Estate and over 91" load length. Up to 67.7cu.ft. in the 8-seater Family versions and 81.1" in load length. Whichever model you go for there's velour upholstery, good looking, hard wearing, and sensuous to the touch. No suggestion of a spartan treatment for the sake of practicality. Sheer opulence all through, from the carpeted floor and load area to the door lining panels and hockey stick armrests, from the electrically powered front windows to the four-speaker audio installation.

Petrol or diesel, these genuinely large cars handle like thorough-

breeds. 5-speed manual transmission offers the ultimate in tireless performance whatever the load. With ratios ideally matched to power and torque, the owner can also achieve up to 38.7mpg from the 1971cc engine, and up to 44.1mpg from the 2498cc diesel, at a constant 56mph in both cases.

For the ultimate in relaxed travel choose the petrol-engined versions with the extra-cost option of the ZF 4-speed automatic transmission. Now you can enjoy 2-pedal driving but still get as much as 37.2mpg at a constant 56mph, thanks to the 4th-gear direct drive feature.

The unique design of the 505 Family is the 3-row seating, all facing forward, with split fold-down of the centre row. The result is easy access to the rear bench seats and exceptional flexibility in carrying people and/or luggage.



505 GTD TURBO FAMILY AUTOMATIC

2498cc TURBOCHARGED
DIESEL ENGINE

If you're one of the growing band of diesel enthusiasts as well as an estate car user, but still demand the ultimate in comfort plus sparkling performance when you put your foot down, the GTD TURBO Family is for you.

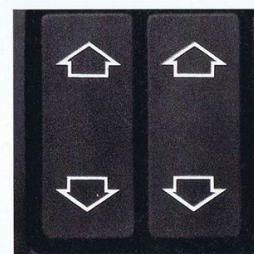
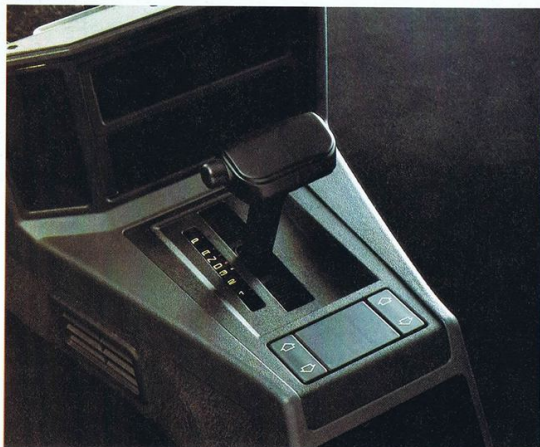
It's a unique concept, new for 1987, with 7 seats in three forward-facing rows, and a potential 67.7 cu.ft. of usable luggage capacity when the centre and rear seats are folded down. Here is the ultimate in 2-pedal motoring behind a muscular but refined diesel, turbocharged to deliver 152lb.ft. torque (DIN) at only 2000rpm. The acceleration is as smooth as you'd expect from a thoroughbred, with the ZF 4-speed transmission quietly selecting the optimum ratio.

All diesels benefit from the extreme simplicity of their operating principle, with no carburettor, ignition coil, distributor, spark plugs or leads. Air alone is admitted to each cylinder

and fiercely compressed to about 5% of its normal volume, raising its temperature to some 600° Centigrade. At the right moment a precisely metered quantity of fuel is spray injected and since diesel spontaneously burns at only 400°C, ignition takes place. Turbocharging increases the inherent efficiency of the engine by raising the pressure of combustion air even before it enters the cylinder.

Because of the high internal stresses, a diesel is very rugged in its construction and consequently very reliable. The 2498cc unit in the GTD TURBO Family typifies all that is best in modern diesel design, needing a minimum of maintenance and yielding exceptionally good fuel economy, up to 39.2mpg at a constant 56mph.

But there's more than just a superb engine. All the GTI luxury features are built into this aristocrat.



505 GTI & GTI FAMILY

2165cc PETROL ENGINE

Picture a supremely luxurious 5-seat car of 130bhp (PS-DIN). Imagine 0-62mph in just over 11 seconds and a top speed of around 108mph. Visualise true GTI-style roadholding plus a limited slip differential to make the most of all that power. Then add a folding rear seat and a tailgate, and up to 79cu.ft. of space for luggage, or garden furniture, or a new chest of drawers for the guest bedroom. With over 91" of load length it's amazing how you can get moving in the 505 GTI Estate.

Perhaps you need more than 5 seats: up to 7 maybe. No problem. We've got an outsize GTI Family of our own that's tailor made to take care of yours. And all their holiday gear. And the dog. And with similar performance, yet capable of up to 37.7mpg at a constant 56mph. Where else could you get so much out of a car, you can get so much into?

In fact you can do even better than this by carefully adding luggage onto these astonishing cars. The roof rack side rails are

fitted as part of the standard specification.

If the effort of coping with all that lot sounds tiring, you can make motoring easier for yourself by opting for 4-speed automatic transmission instead of the standard 5-speed manual gearbox.

The ZF system offers 2-pedal driving with unprecedented fuel economy, because 3rd gear has partial mechanical by-pass of the torque converter and once you're cruising in top, there is 100% direct drive. So down town or out in the country you get the best of both worlds.

Power trains aren't the whole story. There are electric windows on all four doors, alloy wheels, metallic paint and remote central locking. Six speakers and a powered aerial for the audio package. And more. Even air conditioning can be added at extra cost if your tastes are simple and you only want the best.

505 GTI Estate and Family. The pursuit and capture of excellence.



SPECIFICATIONS	GR ESTATE	FAMILY	GRD/FAMILY DIESEL	GTI/GTI FAMILY	GTD T FAMILY AUTOMATIC
ENGINE					
Cubic capacity (cc)	1971 cc	1971 cc	2498 cc	2165 cc	2498 cc
Number of cylinders	Four. Five bearing crankshaft with aluminium alloy cylinder head.				
Bore/stroke (mm)	88 x 81	88 x 81	94 x 90	88 x 89	94 x 90
Maximum Power BHP (PS-DIN)	108 at 5250 rpm	108 at 5250 rpm	76 at 4500 rpm	130 at 5000 rpm	95 at 4150 rpm
Maximum Torque MKG (lb. ft.) DIN	17.2 (124) at 3000 rpm	17.2 (124) at 3000 rpm	15.3 (111) at 2000 rpm	19.2 (139) at 4250 rpm	21.0 (152) at 2000 rpm
Compression Ratio	8.8:1	8.8:1	23:1	9.8:1	21:1
Transistorised breakerless ignition	●	●		●	
Battery	12V/45 Ah	12V/45 Ah	12V/60 Ah	12V/45 Ah	12V/60 Ah
Cooling	Water cooled, closed circuit with expansion bottle. Electrically operated cooling fan. Viscous fan on GTD Turbo.				
TRANSMISSION					
Gearbox: Manual 5-speed	●	●	●	●	
4-speed automatic	X	X		X	●
Limited slip differential				●	●
STEERING					
Rack and pinion power assisted	●	●	●	●	●
Turning circle (between kerbs)	11.2m (36.75ft)				
SUSPENSION					
Front	Independent using MacPherson struts and anti-roll bar.				
Rear	Live axle using coil springs with anti-roll bar and double-acting hydraulic shock absorbers.				
BRAKES					
	Split circuit with load compensator valve.				
Front: Disc	●	●	●	●	●
Rear: Drum	●	●	●	●	●
Servo assistance	●	●	●	●	●
DIMENSIONS					
Overall length	4.90m (193.0in.)				
Overall width	1.73m (68.1in.)				
Wheelbase	2.90m (114.2in.)				
WEIGHT KGS (LBS)					
Kerb weight	1340 (2955)	1340 (2955)	1415 (3120)	1365 (3010)	1510 (3330)
Max. towing weight (braked trailer)	1300 (2866)	1300 (2866)	1300 (2866)	1300 (2866)	1300 (2866)
FUEL TANK CAPACITY					
	70 litres (15.4 gallon)				
LOAD AREA CAPACITY					
	GR/GRD/GTI		FAMILY/FAMILY DIESEL/GTI FAMILY/GTD T FAMILY AUTO		
Load floor length: seats up	1.38m (54.3in.)		0.72m (28.3in.)		
seats folded	2.32m (91.3in.)		2.06m (81.1in.)		
Load floor width	1.15m (45.3in.)				
Maximum height of tailgate opening	0.82m (32.3in.)				
Load floor area: seats up	1.68m ² (18.1 sq. ft.)		0.92m ² (9.9 sq. ft.)		
seats folded	3.00m ² (32.3 sq. ft.)		2.65m ² (28.5 sq. ft.)		
Load compartment capacity: seats up	1120 DM ³ (39.5 cu. ft.)		620 DM ³ (21.9 cu. ft.)		
seats folded	2240 DM ³ (79.0 cu. ft.)		1920 DM ³ (67.7 cu. ft.)		
TYRES					
	185/82 SR 14			195/70 T 14	
INSTRUMENTS					
Speedometer with odometer	●	●	●	●	●
Trip recorder	●	●	●	●	●
Fuel gauge	●	●	●	●	●
Water temperature gauge	●	●	●	●	●
Oil temperature gauge	●	●	●	●	●
Rev. counter				●	●
Lights on warning buzzer				●	●
FASCIA WARNING LIGHTS					
Handbrake	●	●	●	●	●
Low brake fluid level	●	●	●	●	●
Low oil pressure	●	●	●	●	●
Low fuel level	●	●	●	●	●
Low coolant level	●	●	●	●	●
Battery charge	●	●	●	●	●
Water temperature	●	●	●	●	●
Break-down/stop (water/oil/brakes)	●	●	●	●	●
Brake pad wear	●	●	●	●	●
Pre-heater			●		●
Water in Diesel Fuel			●		●
PERFORMANCE (Peugeot Test Figures, Manual Transmission only)					
Maximum speed mph	104	104	90	108	96
0-62 mph (100 kph) secs	12.8	12.8	19.5	11.2	19.9
INSURANCE GROUP					
As recommended by the Accident Offices Association	5	5	4	6	5

SPECIFICATIONS	GR ESTATE	GTI ESTATE	FAMILY/FAMILY DIESEL	GTI FAMILY/GTD T FAMILY AUTO		
EXTERIOR						
Internally adjustable door mirrors	●		●			
Electrically operated and heated door mirrors		●		●		
Hazard warning flashers	●	●	●	●		
Load adjustable halogen headlamps (from fascia)	●	●	●	●		
Reversing lamps	●	●	●	●		
Rear fog lamps	●	●	●	●		
Tinted glass and laminated windscreen	●	●	●	●		
2-speed electric windscreen wipers	●	●	●	●		
Intermittent windscreen wipe	●	●	●	●		
Integral roof rack side rails	●	●	●	●		
Heated rear window	●	●	●	●		
Electric front windows	●	●	●	●		
Electric rear windows		●		●		
Tailgate wash/wipe with intermittence	●	●	●	●		
Central door and fuel filler flap locking	●	Remote	●	Remote		
Full wheel covers	●		●			
Alloy wheels		●		●		
Protective bodyside mouldings	●	●	●	●		
Metallic paint	X	●	X	●		
Black paint	X	●	X	●		
INTERIOR						
Dipping rear view mirror	●	●	●	●		
Sunvisors with passenger vanity mirror	●	●	●	●		
Front and rear grab handles	●	●	●	●		
Courtesy lamps	Front	Front/Rear	Front	Front/Rear		
Interior lamp delay		●		●		
Panel light rheostat	●	●	●	●		
Map reading and load area lamps	●	●	●	●		
4-speed heater/blower	●	●	●	●		
Face level ventilation	●	●	●	●		
Side window demist	●	●	●	●		
Illuminated heater controls	●	●	●	●		
Cigar lighter	●	●	●	●		
Centre console	●	●	●	●		
Overhead console	●	●	●	●		
Glovebox lock	●	●	●	●		
Glovebox lamp	●	●	●	●		
Digital stereo radio/stereo cassette with four speakers	●	●	●	●		
Two additional fascia mounted speakers	●	●	●	●		
Electric radio aerial		●		●		
Air conditioning with automatic temperature control		X		X		
Childproof rear door locks	●	●	●	●		
Soft rim steering wheel	●	●	●	●		
Elasticated pockets behind front seats		●		●		
Reclining front seats	●	●	●	●		
Lumbar adjustment of both front seats		●		●		
Heated front seats		●		●		
Driver seat height adjustment		●		●		
Fully upholstered front seat head restraints	●	●	●	●		
Inertia reel front and rear seat belts with centre rear lap belt	●	●	●	●		
Split fold down second row seat		●		●		
Fold down third row seat		●		●		
Mosaic cloth seat trim	●		●			
Malco velour seat trim		●		●		
Cloth inserts on door trim pads (matching seat trim)	●		●			
Carpet door kick pads		●		●		
Interior floor carpet	●	●	●	●		
Carpet load area covering	●		●	●		
Carpet load area covering with rubbing strips		●		●		
FUEL CONSUMPTION						
	GTI/GTI FAMILY	GTI/GTI FAMILY AUTO	GR/FAMILY MANUAL	GR/FAMILY AUTO	FAMILY DIESEL	GTD T FAMILY AUTO
Constant speed driving 56 mph (90 kph)	37.7 (7.5)	38.2 (7.4)	38.7 (7.3)	37.2 (7.6)	44.8 (6.3)	39.2 (7.2)
Constant speed driving 75 mph (120 kph)	28.2 (10.0)	29.1 (9.7)	28.8 (9.8)	27.4 (10.3)	32.5 (8.7)	28.2 (10.0)
Simulated urban driving	23.3 (12.1)	23.7 (11.9)	21.9 (12.9)	24.1 (11.7)	30.4 (9.3)	25.9 (10.9)
These mpg figures are the results of approved tests as recorded by the Department of Transport in official fuel economy certificates. Figures in brackets are l/100km.						

Standard equipment ● Options at extra cost X



PEUGEOT