

PEUGEOT

504 Diesel Range



Introduction to Diesel

During the 19th Century many scientists were working on ways to bridge the gap between the cumbersome and expensive steam engine and the then low power petrol engine. Among these men was one, Rudolf Diesel, who in 1897 produced an engine of sufficiently high compression to dispense with external heat sources. The diesel engine, as it then became known, was used increasingly in power stations, ships and locomotive engines, and in 1924 the world's first diesel engine truck was manufactured.

The basic difference between a petrol engine and a diesel engine lies in the ignition. With the petrol engine, highly volatile petrol is vaporised and mixed with air in the carburettor. The petrol air mixture is introduced into the cylinder by inlet valves and ignited by the spark plug. The ignited mixture explodes instantaneously.

On the other hand, the diesel engine uses the actual lack of volatility of diesel fuel, and its greater combustion oxygen requirements. When the piston rises, the air, which is very heavily compressed (21 to 1 against 9 to 1 in a petrol engine), heats up to a temperature of 600°. Diesel fuel is then injected into the cylinder in the form of fine droplets. Because the temperature of the compressed air is higher than the self ignition temperature of the fuel (400°) ignition takes place spontaneously.

The most important advantages of diesel powered vehicles are as follows:

The diesel engine is more economical from two view-points. Gallon for gallon, diesel fuel is cheaper than petrol. On the other hand, the diesel engine has lower consumption as a result of better efficiency arising from combustion at a high temperature. In addition, diesel fuel consumption is less sensitive to variations in engine speed than is the case with petrol.

There is no need with diesel for the sophisticated electrical system necessary with the petrol engine: distributor, coil and ignition plugs.

A diesel engine will always start whatever the temperature. This is ensured by the air in the pre-combustion chamber reaching a sufficient temperature which it does by means of a pre-heating plug.

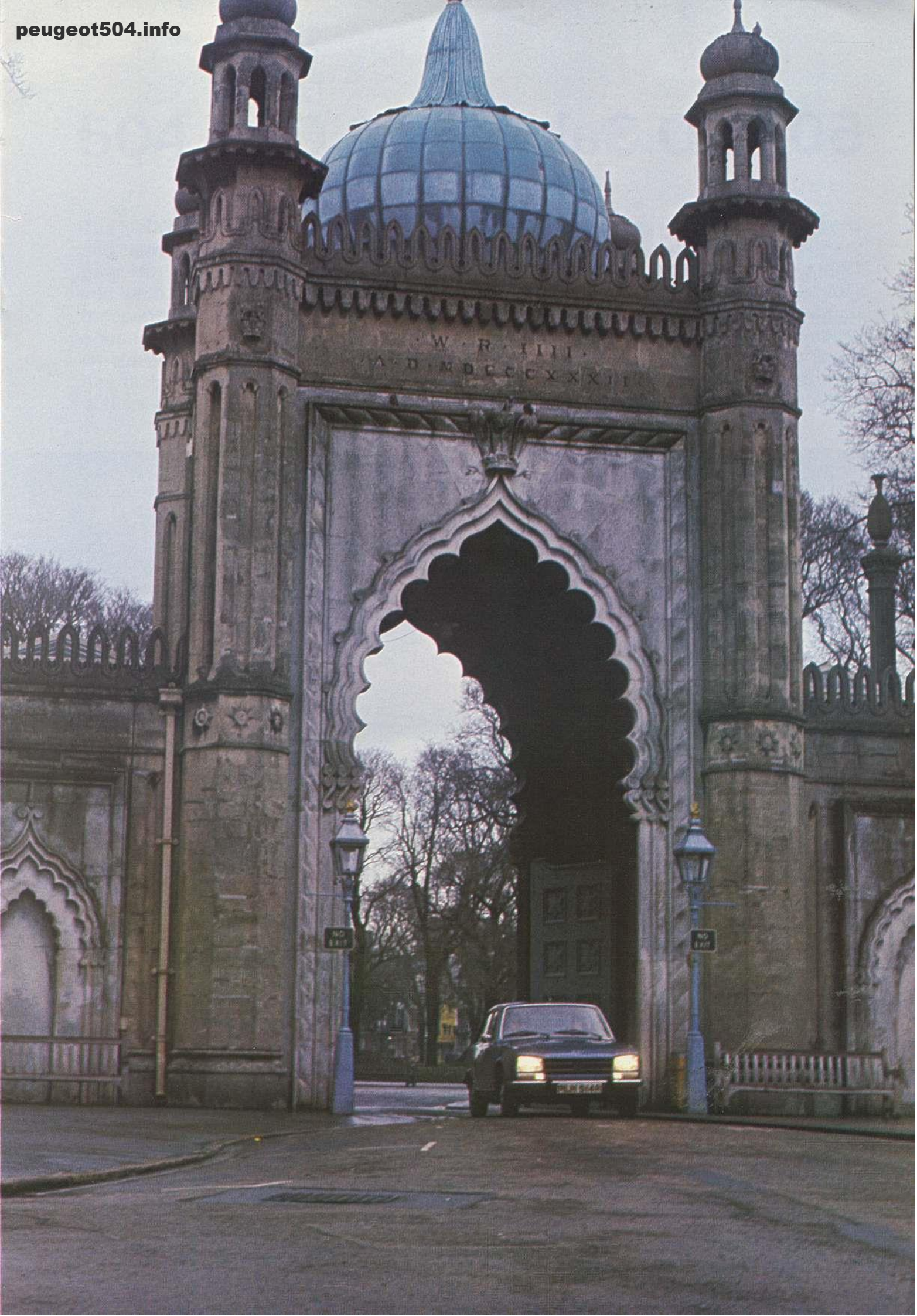
Furthermore, the exhaust fumes emitted by diesel engines are almost entirely free of carbon monoxide, and are in fact, 3 times less polluting than petrol fumes of a similar sized petrol vehicle.

Peugeot first started manufacturing diesel engines for commercial vehicles in 1928. In 1958 they commenced the manufacture of diesel engines for passenger cars and in 1959 the first Peugeot diesel car, the 403 was introduced.

During recent years, and especially since the fuel crisis, the number of diesel passenger cars sold on the European market has increased dramatically and last year alone, over 200,000 diesel cars were sold in Europe.

Peugeot offer one of the largest ranges of diesel passenger cars available in Europe today. A range of four 504 diesels, two stylish saloons and two capacious estates.

Choose from the 504 diesel range a car to suit you, whatever your needs.



504 LD Saloon

The 504 LD Saloon — The refinement of the 504 but with the benefits of diesel. The 1948 c.c. engine develops 55 bhp and has a top speed of 82 mph. In addition, standard equipment is extremely comprehensive. The interior is luxuriously appointed, carpets front and rear, deep, comfortable seats upholstered in leatherette. The front seats are fully

adjustable for height and reach with reclining seat backs. A clock and cigar lighter are standard as are inertia-reel safety belts at the front. A heated rear window and two speed windscreen wipers are also fitted as standard.



504 GLD Saloon

The 504 GLD Saloon, a diesel car built and equipped like a luxury limousine. The powerful 2.3 litre engine develops 70 bhp and has a top speed of 87 mph. Independent suspension all round ensures a superb ride and excellent road holding whatever the conditions. The 504 GLD has all the quality, comfort and refinement of the well known 504 combined with

excellent motoring economy. In addition to the items standard on the LD, the 504 GLD is equipped with a sliding sunshine roof, all cloth upholstery, integral head restraints on the front seats and a useful glove box with lock and light. ZF automatic transmission and metallic paint finish are available as optional extras.

Luggage from Simpsons (Piccadilly) Ltd



504 LD Estate

The 504 LD Estate — a workhorse in sheep's clothing. It's a 504 Estate so it's stylish, it handles superbly and it's a joy to drive. But don't be deceived. This is a car that thrives on hard work and heavy loads. It's ideal if you're in the business of frequently transporting large or bulky items from place to place. Carrying capacity ranges from 39 cu. ft.* with the

rear seat in place, to 64 cu. ft.* with rear seat folded down and there's a huge total load length of 6'4". Loading is easy via the wide opening counterbalanced tail gate, operated by gas filled stays.

*Volume up to window level



504 Family Estate Diesel

The 504 Family Estate diesel will interest you if you have a large family to transport. The Family Estate can seat up to 8 people with its three rows of forward facing seats and still leaves 12 cu. ft.* for their luggage. If required, the rear seat can be folded down to increase the luggage space to 23 cu. ft.* Whatever your group transport problem, family or business, the 504

Family Estate with diesel engine can solve it — economically but comfortably and in style.

*Volume up to window level.



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SPECIFICATION

Body:	One-piece steel body shell with electrophoretic anti-corrosion treatment.
Engine:	Oversquare 4 cylinders in-line engine inclined at 20°. Light alloy cylinder head with special swirl chambers. Five-bearing forged steel crank shaft. Overhead rocker operated valves. Roto diesel injection pump.
Clutch:	Diaphragm type, ball bearing thrust and hydraulic operation.
Manual gearbox:	4 forward all synchromesh.
Brakes:	Dual circuit brakes system. Hydraulic operation with Mastervac servo-assistance. Handbrake and fluid level warning light.
Steering:	Rack and pinion and jointed steering column.

	LD Saloon	LD Estate	GLD Saloon	Family Estate Diesel
Engine	XD 88 : Bore and stroke 88 x 80 Capacity : 1948 c.c. Compression ratio : 21.8:1 Maximum power DIN : 55 b.h.p. at 4500 r.p.m. Maximum speed : 133 Km/h (82 mph)	XD 88 : Bore and stroke 88 x 80 Capacity : 1948 c.c. Compression ratio : 21.8:1 Maximum power DIN : 55 b.h.p. at 4500 r.p.m. Maximum speed : 119 Km/h (74 mph)	XD 2 : Bore and stroke 94 x 83 Capacity : 2304 c.c. Compression ratio : 22.2:1 Maximum power DIN : 70 b.h.p. at 4500 r.p.m. Maximum speed : 141 Km/h (87 mph)	XD 2 : Bore and stroke 94 x 83 Capacity : 2304 c.c. Compression ratio : 22.2:1 Maximum power DIN : 70 b.h.p. at 4500 r.p.m. Maximum speed : 130 Km/h (80 mph)
Fuel consumption M.p.g. at a steady 90 Km/h (56 mph)	36.6	31.7	42.7	37.6
In town (Standard fuel consumption figures in accordance with the new E.E.C. recommendation.)	30.0	30.0	34.0	30.0
Suspension	Coil spring and anti-roll bar	Coil spring and stabiliser bar	Independent all round	Coil spring and anti-roll bar
Tyres	165 SR 14	185 SR 14 Reinforced	175 SR 14	185 SR 14 Reinforced
Brakes	Front disc rear drum	Front disc rear drum	4 wheel disc	Front disc rear drum
Fuel tank capacity gallons	12.32	13.2	12.32	13.2
Kerb weight	1210 kg 2668 lbs	1345 kg 2965 lbs	1300 kg 2866 lbs	1410 kg 3109 lbs
Maximum permissible laden weight	1690 kg 3726 lbs	2015 kg 4442 lbs	1780 kg 3924 lbs	2080 kg 4585 lbs
Maximum towing capacity	1200 kg 2645 lbs	1500 kg 3307 lbs	1300 kg 2866 lbs	1500 kg 3307 lbs
Overall length	4.48 m 14.7 ft	4.80 m 15.7 ft	4.49 m 14.7 ft	4.80 m 15.7 ft
Overall width	1.69 m 5.5 ft	1.69 m 5.5 ft	1.69 m 5.5 ft	1.69 m 5.5 ft
Ground clearance	0.12 m .39 ft	0.16 m .52 ft	0.16 m .52 ft	0.165 m .54 ft
Boot capacity	16.2 cu. ft.	38/64 cu. ft.	14.9 cu. ft.	11/22 cu. ft. approx.
Heated rear window	S	S	S	S
Day/Night rear-view mirror	S	-	S	S
Front side window defrost	-	-	S	S
Reversing lights	S	-	S	S
Two-speed wipers	S	S	S	S
Sunshine roof	-	-	S	-
Hazard warning lights	S	S	S	S
Inertia reel safety belts in the front	S	S	S	S
Electric clock	S	-	S	S
Cigarette lighter	S	S	S	S
Lockable glove box with interior light	-	-	S	S
Head Restraints	Optional *	Optional *	S	S
Combined height and reach seat adjustment. Fully reclining front seats	S	S	S	S
Cloth upholstery	-	-	S	S
Carpets front and rear	S	-	S	S
Centre console	-	-	S	-
Illuminated heater controls	-	-	S	S
Metallic finish	-	-	Optional	Optional
Laminated windscreen	S	S	S	S
Rear door child locks	S	S	S	S
Halogen headlamps	-	-	S	S
Steering column combined switch for electric screen washer pump and wipers	S	S	S	S

***Accessories**

The information and descriptions contained in this brochure are intended for guidance purposes only and the Company reserves the right to introduce, without notice, modifications or changes to detail which may be considered necessary to improve the models described. To obtain accurate and up to date information on specification details, please consult your Dealer.

Please note that some optional Accessories have been shown in various illustrations. These include radios and radio aerials and special wheels and mud flaps on 504 Family Estate.