

VOLVO

Police car







All over the world, more and more police forces are learning to appreciate the engineering which has made Volvo so successful on the civilian market. A Volvo is an immensely strong car with plenty of built-in safety. A reliable car with plenty of performance for any situation. A comfortable car with many thoughtful and convenient details. A car which with a very wide margin fulfils the stringent quality requirements which the police – very rightly – must make on their official vehicles. This is why Volvos are delivered to police forces in 30 or more countries around the world today.

The complete police car

Volvos are often called "unusually complete cars". In any field, these cars can stand close comparison with any other make. Take safety for example. The all-welded steel body which incorporates energy absorbing crumple zones front and rear. The immensely powerful safety cage around the occupant area. The braking system which features two triangle-split circuits, each of which is capable of giving at least 80 % of full braking effect even if the other one is entirely out of operation. Contemplate the safety steering wheel, amply padded and attached to a telescoping steering column by means of a special collapse structure. Volvo comfort is world famous. This is the joint result of anatomically designed front seats incorporating a wide range of adjustments, an ultra-efficient heating and ventilation system, plenty of space and big wide-opening doors. A Volvo is a car that handles very well. Resilient and robust spring strut front suspension. Easy, exact rack and pinion steering and a tight turning circle of only 9.8 metres (32' 2") beats many smaller cars hands down. Whatever Volvo you choose, you will be buying a well equipped practical car. And with the correct extra equipment, a very complete police car. Volvo police cars are built to the customer's requirements as far as painting specification and colour schemes, signal systems, equipment, interior fittings, etc. are concerned.



Heavy duty front spring struts.
Heavy duty shock absorbers all round.
Stiffer rear suspension complete with hollow rubber springs (no stabiliser).



Ventilated front wheel discs and extra durable brake pads.

Anti-spin – a differential system which feeds the driving power to the wheel which has the best road grip. This means much better traction on loose surfaces such as mud, sand, etc.

Wide 14" steel braced radial ply tyres.

Electrical system: 55 A alternator;
Battery capacity 12 V/70 Ah.



Halogen headlights with wipers and washers.



Blue or red rotating roof lights with 50 W halogen bulbs.



Roof-mounted spotlight of very high output. Can be aimed upwards, downwards and through 360°. Warning lamp mounted on fascia.

Engine compartment and luggage compartment lighting.

Map-reading lamp, safety mounted beneath dashboard.



Siren – compressor-powered, electronic or frequency modulated.

Twin outside rearview mirrors.

Intermittent action windscreen relay (an excellent help in light rain or mist).

Extra turn indicator repeaters on front wings.





Storage pocket in front door panels for maps, vehicle documents, alco-test equipment, handcuffs, etc.

Rear doors without grab handles fitted with kickplates. Extra locks on rear doors.

Police stop signal mounted beneath right-hand front seat.



Universal jack.
Truncheon holder
beside front seats.



Powerful handlamp mounted on holder in front of right-hand front seat. Gives very intense red, white or green beam.

Rear seat upholstered in hard-wearing, easily cleaned vinyl upholstery. Very handy extra protective seat cover rolled up above rear seat backrest.

Boot complete with bins for carrying diverse equipment of which the following can be ordered:

- Fire extinguisher
- Warning triangles
- First-aid kit
- Lamp kit with complete set of spare bulbs
- Spare fuel can





Behind the wheel of a police car, something is happening every second.

Behind the wheel of a police car calls for the ability to make instant decisions and fast adaptation to constantly new situations. This is a demanding job which makes very high requirements of an efficient place of work. Behind the wheel of a Volvo you are very well provided for with everything the driver needs designed and built for function, safety and comfort.

All the instruments and controls are ideally grouped and easily read. The Volvo system of reminder and warning lamps is practically unique and gives instant indication of a number of important functions: Warning lamps for brake circuit failure, handbrake application, alternator function, oil pressure, turn indicators, main beam, hazard warning lights and the electrically heated rear window. A bulb integrity sensor tells if a bulb burns out in the headlights, tail lights or stop lights. There is also a special "fasten seat belts" reminder.



The generous instrumentation includes a tachometer. The controls on the centre console also include switches for the radio, siren and rotating roof lights. At the bottom of the centre console is room for the

controls section of the police radio (the alternator powering the electrical system is transistor-regulated and suppressed for excellent radio reception).

The Volvo Police Car has a very efficient heating and ventilation system with not less than twelve entry points for warm or cool air. The nozzles on the dashboard can be adjusted to alter both aim and flow. And to mix fresh air with heated air. The heat settings chosen are thermostatically controlled. The heating and ventilation system has a three-speed fan. Safety and comfort are amply present throughout this car with special attention to the driver and front seat passenger. Large shock absorbing surfaces



with soft rounded edges are used throughout. The front seats were designed in consultation with medical experts and incorporate a very wide range of adjustments.



Of the Volvo models delivered to police forces all over the world, the Volvo 244 is by far the most popular.



The Volvo 245 gives plenty of extra space, ideal for dog patrols, traffic control units, etc.



The Volvo 264 in its police version, for the very highest requirements on comfort and performance.



B 21 E



B 27 E

TECHNICAL DATA

Engine designations	B 21 A	B 21 E	B 27 E
No. of cylinders	4 in line	4 in line	V-6
Displacement cm³	2127	2127	2664
Bore mm	92	92	88
Stroke mm	80	80	73
Max. output hp DIN at r/m	100/5250	123/5500	140/6000
Max. torque kpm DIN at r/m	17.3/3000	17.3/3500	20.8/3000
Compression ratio	8.5:1	9.3:1	8.7:1
Carburetor	Single cross-draught	CI fuel injection	CI fuel injection
Oil capacity incl. filter dm³	3.85	3.85	6.5
Cylinder head	Aluminium (Cross flow)	Aluminium (Cross flow)	Aluminium
Engine block	Cast iron	Cast iron	Aluminium
Valve system	Overhead camshaft	Overhead camshaft	Overhead camshafts; rocker arms
Camshaft transmission	Toothed belt	Toothed belt	Chains
Transmission	Manual gearbox, four-speed with or without overdrive. Three-stage automatic optional. Diaphragm spring clutch. Anti-spin differential.		
Cooling system	Sealed, frost-proofed.		
Electrical system	Alternator output 55 A. Battery capacity 12 V/70 Ah.		
Fuel tank	60 litres, safety location forward of rear axle.		
Steering gear	Rack and pinion. Safety, telescoping column. Turning circle diameter 9.8 m.		
Body	All welded, integral steel body with energy absorbing front and rear sections. Profile-reinforced occupant area.		

Braking system

Dual circuit, triangle-split power brake system. Disc brakes all round. Police version has heavy duty brake pads and ventilated front brake discs.

Suspension and shock absorbers

Police version has heavy duty front spring strut suspension with heavy duty shock absorbers all round and stiffer rear suspension incorporating hollow rubber springs. (No stabiliser)

Tyres

Wide 14" radial ply steel braced tyres.

Heating and ventilation system

Thermostatically controlled. Generous capacity with quietly running three-speed fan. Twelve air nozzles. Four aimable nozzles on dashboard. Mixer for heat and fresh air. Efficient through-flow ventilation.

Other standard equipment

Halogen bulb headlights. Inertia reel seat belts. Electrically heated rear window. Electrically heated driving seat. Head restraints. Bumpers can withstand impacts up to 5 km/h. Day running lights. Four-way hazard warning lights.

For further information please refer to our 240 and 260 Series brochures.

Reservation is made in this specification for market differences.

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