

VOLVO

Police Car

Volvo 144/145/164 specially equipped for police service



The four-door Volvo 144, Volvo 145 Station Wagon and Volvo 164 for police use. Specially equipped in accordance with recommendations given by the Swedish Police Board and designed to stand up to severe stress under demanding conditions of use.

Plenty of room for equipment without sacrificing driving comfort or safety

The special police versions of the Volvo 144, 145 and 164 provide plenty of space for all the extra equipment needed without sacrificing any driving comfort or safety. There are two rotating blue lights and a spotlight on the roof. All the equipment is within easy reach. Ideal layout of instruments and controls. Con-

venient entry and exit, both front and rear. Door opening angles 80°. The safety characteristics are among the best on the market and include the Volvo triangle-split dual-circuit brake system, electrically heated rear window, two-part safety steering column, laminated windscreen of high-impact type and a safety body with

energy absorbing front and rear ends. The power resources of the engine have been adapted to the demands made by modern traffic. With extra torque in the low speed range and high output for rapid acceleration and high cruising speeds.



The comprehensive instrumentation includes the following extras: switches for siren, rotating roof lights, engine compartment and luggage compartment lighting and reversing light. There is also a control for the automatic lighting switch: the parking lights go on automa-

tically as soon as the engine is started and dipped headlights light up as soon as the handbrake is released. An extra feature: As long as the windscreen washer button is pressed in, the washer operates. After about seven seconds the wipers start automatically and make a

couple of sweeps. The radio unit has a special switch and warning lamp for an alarm per radio. External lighting is checked by means of a warning lamp which lights up if one of the bulbs should fail. Map-reading lamp.

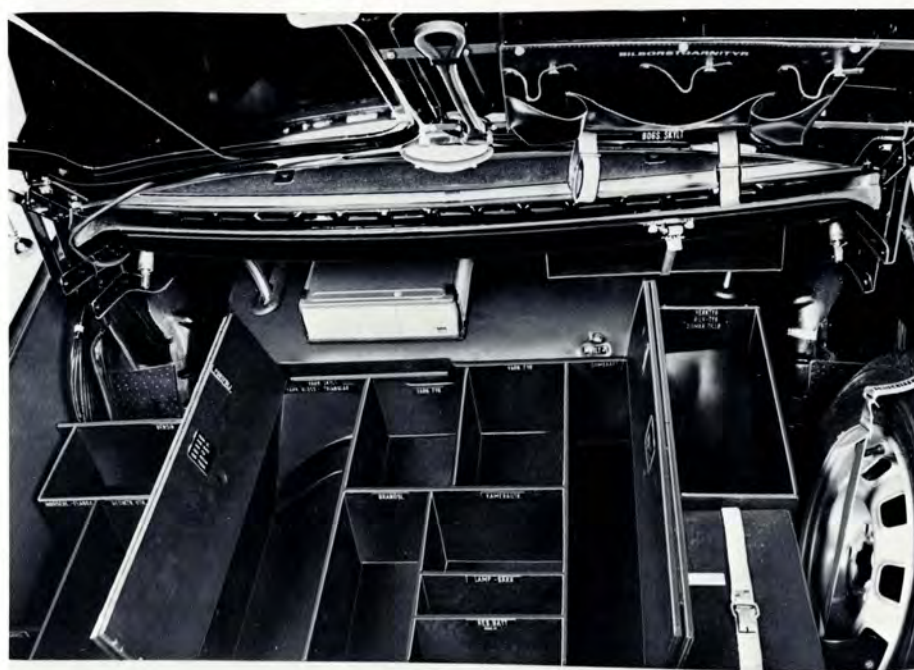
The front seats have firmer stuffing in the cushions and backrest. Reinforced and particularly durable upholstery. On the rear of each backrest there is a pocket for night duty coats. Tubular retainers under seats for batons.



The rear doors are fitted with aluminium kick plates. Front door pockets hold leg and arm reflectors, stop signs, traffic control cuffs, document file, tyre pressure gauge, tools. All doors are fitted with folding handles, the rear doors also having catches which can be locked from the front seats.



In the luggage compartment on both types of vehicle there is accommodation for: retardation meter, camera equipment, spare torch batteries, fuses, inspection stamp, inspection hammer, inspection scraper, carbon monoxide tester, moped tools, blanket, towing sign, first-aid pack, wheeltrack marking equipment, briefcase, brush set, inspection ground-sheet, a seat cover and jack accessories. There are also attachments for cycle carrier, inspection crowbar, rescue axe, broom, jack and protective sheet.





Volvo B 20 E engine. Four-cylinder, two-litre engine with electronically-controlled fuel injection. An exceptionally fast and responsive engine with an output of 135 h.p. SAE gives excellent tractive effort throughout the entire speed range, good fuel economy and clean exhaust emissions. The Volvo 144/145 models can also be specified

with the B 20 B engine, a four-cylinder, two-litre dual carburetor engine. The Volvo 164 features the B 30 E engine, a six-cylinder, three-litre engine with electronically-controlled fuel injection or the B 30 A engine of the same design but fed through dual carburetors. An extra battery placed in the luggage compartment is connected in parallel

with the standard battery and provides a wide margin for extra current consumption. Extra relay panel and actuating relays for full/dipped headlights and parking light operation, radio alarm, windscreen wipers, windscreen washer and intermittent action relay for windscreen wipers.

Technical data

Engines	B 20 B	B 20 E	B 30 A	B 30 E
Configuration: in-line, overhead valves				
No. of cylinders	4	4	6	6
Displacement, dm ³	1.99	1.99	2.98	2.98
Bore, mm	88.9	88.9	88.9	88.9
Stroke, mm	80.0	80.0	80.0	80.0
Compression ratio	9.3:1	10.5:1	9.3:1	10.0:1
Max. output h.p. SAE at r.p.m.	118/5800	135/6000	145/5500	175/5800
Max. output h.p. DIN at r.p.m.	100/5500	124/6000	130/5000	160/5500
Max. torque kpm SAE at r.p.m.	17.0/3500	18.0/3500	22.5/3000	24.5/2500
Max. torque kpm DIN at r.p.m.	15.5/3500	17.0/3500	21.0/2500	23.5/2500

Cooling system

Sealed. Frost-proof. Capacity 144/145: 10l., 164 approx. 13 l.

Electrical system

Alternator, 55 A - 770 W. Starter motor rating 1 h.p. Voltage 12 V. Two parallel coupled batteries.

Gearbox

Four-speed, fully-synchronized. Remote-control. Automatic transmission with floor-mounted gear selector is optional.

Steering gear

Volvo 164 models recirculating ball and nut with power assist. All other models: cam and roller. Collapsible steering column of safety type.

Body

All-welded, integral construction steel body. Stiffening box-section profiles round all body openings.

Fuel tank

Capacity 58 litres.

Heating and ventilation system

Large capacity system with thermostat control and quiet-running two-speed fan. Air is fed to both the front and rear seat areas. Three defroster nozzles on windscreen. Fresh air intakes in cowl sides below dashboard. Through-flow ventilation with vents below rear window. Electrically heated rear window.

Windscreen

Laminated glass of high-impact type.

Other equipment

Two-speed windscreen wipers with 16" blades and intermittent action relay. Electric windscreen washer with twin water containers. Electric washer and wiper system for tailgate window of Volvo 145. Cigarette lighter. Three-point factory-installed inertia front seat safety belts. Four-way hazard warning flashers.

Dimensions

Overall length:	Volvo 144/145 - 464 cm Volvo 164 - 471.5 cm
Overall width:	171 cm
Overall height:	144 cm

For further information, please see our Volvo 140 series and Volvo 164/164 E brochures.

The factory reserves the right to make changes at any time, without notice, in prices, colours, materials, equipment, specifications and models and also to discontinue models.



AB VOLVO GÖTEBORG SWEDEN