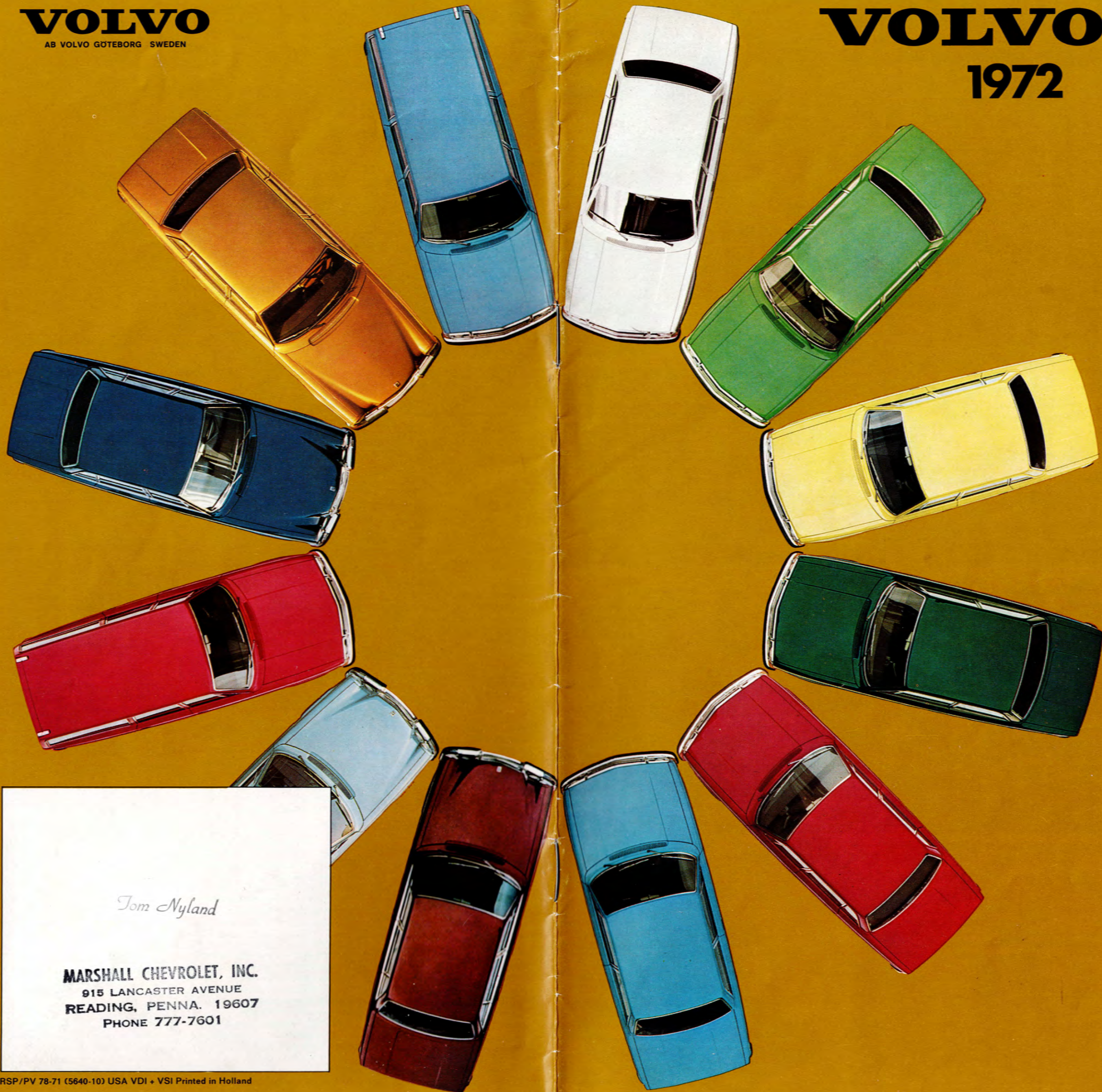


VOLVO

AB VOLVO GÖTEBORG SWEDEN

VOLVO

1972



Tom Nyland

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VOLVO 164/VOLVO 164 E

The six-cylinder 164 and the 164E (with Electronic fuel injection) are Volvo's largest, fastest, most lavishly equipped sedans. We designed them for people who demand high performance and exceptional comfort from a car.

We think we've succeeded.

Apparently, the readers of *Car and Driver* Magazine agree. In their 1971 Car and Driver Readers' Poll, the Volvo 164 was voted best in the fullsize sedan category.

So if you want to put your money on a winner, your Volvo dealer will be happy to oblige.



The Volvo 164 and 164E are furnished in a style to which you may not be accustomed. Check the

list of standard equipment, it reads like the option list for many other cars.

COLOR COMBINATIONS

<i>Exterior Finish</i>	<i>Upholstery (Leather)</i>	<i>Carpeting</i>
Black	Burgundy	Burgundy
Dark Blue	Blue	Blue
White	Blue	Blue
Burgundy	Burgundy	Burgundy
Dark Green	Gold	Brown
Metallic Blue	Black	Blue
Metallic Gold	Gold	Brown



Burgundy

Blue

Gold

Black



VOLVO 142/VOLVO 144

One has 2 doors, the other has 4 doors. Otherwise, it's almost impossible to tell these sedans apart. Which may account for the fact that the readers of Car and Driver voted the Volvo 142/144 as best in the intermediate sedan category.

Both are generously endowed with standard equipment that some other car makers call options. (We refuse to strip our Volvos so we can turn around and sell you back the pieces.) Example: Like all Volvos, they're equipped with 4-wheel power disc brakes. Most car manufacturers only offer you front-wheel discs. At extra charge, of course.

For more examples of what comes with a Volvo, see the specifications on the last two pages.



New this year: a short floor-mounted manual stick shift. (New this year but optional: a short

floor-mounted automatic stick selector attached to an automatic transmission.)

COLOR COMBINATIONS

Exterior Finish	Upholstery (Acrylic)	Carpeting
Dark Blue	Blue	Blue
Light Blue	Blue	Blue
White	Blue	Blue
Red	Red	Red
Yellow	Dark Brown	Dark Brown
Dark Green	Dark Brown	Dark Brown
Medium Green	Green	Green



Blue

Red

Dark Brown

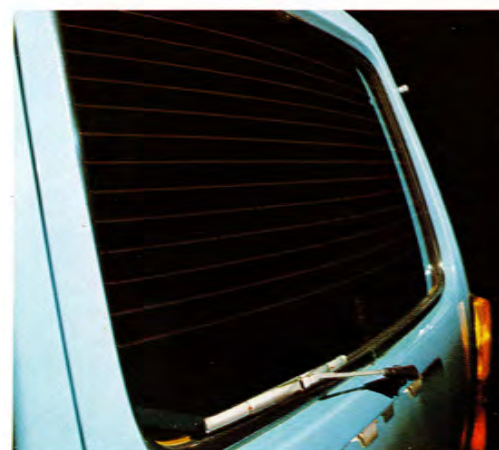
Green



VOLVO 145

The Volvo station wagon is the same as the Volvo 144 up to a point: Where the sedan's roof slopes in back, the wagon's roof keeps going. This gives you up to 67 cubic feet of load space in a 5-seat wagon that takes up no more parking space than a Volvo sedan.

Parking is made even easier because, unlike other wagon makers, we make it possible for you to see out the rear window at no extra cost. It's equipped with its own electric defroster, windshield wiper and washer.



Visibility is unusually good through the back window because it's equipped with an electrically-heated defroster and its own wiper and washer.



You can carry 67 cubic feet of food and refreshment to a tailgate party. And if it rains, you can hide under the tailgate.

COLOR COMBINATIONS

<i>Exterior Finish</i>	<i>Upholstery (Vinyl)</i>	<i>Carpeting</i>
Dark Blue	Blue	Blue
Light Blue	Blue	Blue
White	Blue	Blue
Red	Black	Red
Yellow	Black	Brown
Dark Green	Black	Brown
Medium Green	Black	Brown



Blue



Black



VOLVO 1800 E/VOLVO 1800 ES

The familiar 1800E and the brand new 1800ES are sports cars for people who want to drive something different (less than one in every three thousand American new car buyers will be able to buy one this year). But don't want to be driven to the mechanic's every couple of weeks.

Servicing them is as simple as servicing any Volvo sedan. Because the engineering's the same.

And since they're both built like a Volvo, you'll be glad to know that in the race to the junkyard, you should finish far behind the rest of the field.



The bucket seats adjust forward, backward, up, down. The backrests adjust from upright to horizontal. Lumbar support is adjustable. Seats are covered in leather.



The new 1800ES can carry 35 cubic feet of luggage. Which is not only great for a sports car, but not bad for a sedan.

COLOR COMBINATIONS

<i>Exterior Finish</i>	<i>Upholstery (Leather)</i>	<i>Carpeting</i>
White	Gold	Brown
Red	Black	Red
Dark Green	Gold	Brown
Yellow	Black	Brown
Metallic Blue	Black	Blue
Metallic Gold	Gold	Brown



Gold



Black

Specifications:

	Volvo 142 144, 145	Volvo 142E 144E, 145E 1800E/ES	Volvo 164	Volvo 164E
Max. output (hp at SAE net)	B20B 97/5500	B20F 112/6000	B30A 126/5000	B30F 138/5500
Max. torque (ft. lb. at SAE net)	109/3500	115/3500	148/2500	154/3500
Displacement	121 cubic in.	121 cu. in.	182 cu. in.	182 cu. in.
Bore	3.50 in.	3.50 in.	3.50 in.	3.50 in.
Stroke	3.50 in.	3.15 in.	3.15 in.	3.15 in.
Compression ratio	9.3:1	8.7:1	9.3:1	8.7:1

Engines:

Type B20B: Four-cylinder, in-line, overhead valve, full-flow oil filter and thermostatically-controlled preheating system for air entering the dual carburetors.

Type B20F: Four-cylinder, in-line electronically-controlled fuel injection engine with five-main-bearing crankshaft. Fuel pressure regulator and electric fuel pump.

Type B30A: Six-cylinder in-line, water-cooled with overhead valves. Seven-main-bearing crankshaft. Full-flow oil filter and thermostatically-controlled preheating system for air entering the dual carburetors.

Type B30F: Six-cylinder, in-line, electronically-controlled fuel injection engine with seven-main-bearing crankshaft. Fuel pressure regulator and electric fuel pump.

Cooling system:

Sealed with anti-freeze. Water cooling with pump and thermostat. Capacity Volvo 164/164E and 140 Series 10.6 quarts. Volvo 1800E/ES 9.0 quarts. Viscous-type cooling fan.

Electrical system:

12 volt system. Battery capacity 60 Ah. Alternator 35 A. Fuel injected models and 164: 55 A. Starter motor output 1 hp.

Transmission:

Four-speed all-synchronized manual with remote control shift linkage.
Volvo 140 Series and 1800E/ES
Ratios: 1st 3.13:1
2nd 1.99:1
3rd 1.36:1
4th 1:1
Reverse 3.25:1

Volvo 164/164E

Ratios: 1st 3.54:1
2nd 2.12:1
3rd 1.34:1
4th 1:1
Reverse 3.54:1

Overdrive:

Electrically operated. Available as standard on Volvo 1800E, Volvo 1800ES and Volvo 164E. Optional on Volvo 142E. Ratio: 0.797:1.

Automatic transmission:

Fully automatic with part-throttle change-down functions. The automatic transmissions are specially adapted to the engine chosen. Remote control shift linkage.

Clutch:

Single dry disc clutch of diaphragm spring type. Mechanical control.

Rear axle:

Rear axle of hypoid type.
Ratios:

	Manual	Automatic
142/144	4.10:1	4.10:1
145	4.30:1	4.10:1
145E	4.10:1	4.10:1
164/164E	3.73:1	3.31:1
1800E/ES	4.30:1	3.91:1

Steering gear:

Volvo 164/164E recirculating ball and nut with power assist. All other models: Cam and roller.

Turning circle Between curbs walls
140 Series 30 ft. 4 in. 32 ft. 10 in.
164/164E 33 ft. 10 in. 36 ft. 1 in.
1800E/ES 29 ft. 11 in. 32 ft. 10 in.

Brake system:

Foot brake—Triangle-split dual circuit system. Each circuit operates on both front wheels and one rear wheel. Self-adjusting disc brakes on all wheels. Power assisted. A relief valve in each rear wheel line prevents premature rear wheel lock-up.

Parking brake

Mechanically operated through special drum brakes on rear wheels. Lever located between driver's seat and door. Warning lamp on dashboard for parking brake application and faulty brake circuit.

Wheels and tires:

Volvo 142/144 models have 5" pressed steel rims and hub-caps. Whitewall radial tires 165SR15. Volvo 145: 6.85×15 whitewall tires. Volvo 164/164E have 5½" pressed steel rims with chrome hub-caps and trim rings. Whitewall radial ply tires 165SR15.

The Volvo 1800E/ES has 5½" pressed steel wheels with chrome wheel nuts and trim rings. Radial ply tires 185/70HR15. All cars have safety type rims.

Body:

All-welded, integral steel body. Reinforced boxed pillars surround the passenger compartment. Complete rust protection and underbody treatment.

Fuel tank:

Located at rear. Capacity 1800E/ES approx. 11.9 gallons. Capacity others: approx. 15.3 gallons.

Trunk:

142/144 and 164/164E: Capacity approximately 24 cubic feet. Volvo 1800E/ES have rear seat feature whereby the backrest can be folded forward to give extra room.

Heating and ventilation system:

Thermostatically-controlled heating and ventilation system. Quiet running two-speed fan. Outlets for both front and rear areas on 140 Series and 164/164E. Three defroster vents on windshield. Fresh air intakes under each side of dashboard. Air extractor outlet at rear for flow-through ventilation. A check valve prevents exhaust

gases and drafts from entering car. Electrically heated rear window.

Lighting equipment:

High and low beams controlled by column-mounted switch. Automatic backup lights. Interior lighting. Instrument lighting with rheostat control. Four-way hazard warning lights. Side marker lights. Volvo 1800E and ES have an illuminated center lock for front seat safety belts.

Other standard equipment on Volvos:

Padded sun visors. Day/night rearview mirror. High impact laminated windshield. Two speed electric windshield wipers. Electric windshield washer. Warning lamp for choke (not fitted on fuel injected models). Automatic retracting seat belts on front seats. Rear seat lap belts. 140 Series models and 164/164E have adjustable headrests. Expandable map pockets on front doors. Outside rearview mirror, two on 145 and 164/164E. 1800E/ES has locking console. Jack and toolkit.

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