



VOLVO 164 E

The six-cylinder 164E (now with computer controlled Electronic fuel injection) is Volvo's largest, most lavishly equipped sedan. It is also Volvo's best performing car, because of the fuel injection. What the system does, is inject fuel individually for each of the six cylinders. In combination with an electronic computer, it injects only the amount of fuel that the engine can burn efficiently.

The result is better gas mileage (using 91 octane gasoline).

Needless to say, the 6-cylinder 164E won't keep pace with a 12-cylinder Ferrari, but its increased performance will give you a refreshing attitude when entering freeway traffic: You'll be more concerned about the cars you're overtaking than you are about the cars that are gaining on you.



The Volvo 164E is 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

Exterior Finish	Upholstery (Leather)	Carpeting
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





VOLVO 142E/VOLVO 144E

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 three-speed manual, manual stick shift. (New this year but optional: a three-speed manual automatic with selector attached to an automatic transmission.)

COLOR COMBINATIONS

Exterior Finish	Upholstery	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





VOLVO 145E

The Volvo station wagon is the same as the Volvo 144E 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 load and refreshment to a lodge party. And if it rains, you can hide under the nylon.

COLOR COMBINATIONS

Exterior Finish	Upholstery (if available)	Carpeting
Dark Blue	Blue	Blue
Light Blue	Blue	Blue
White	Blue	Blue
Red	Black	Red
Yellow	Black	Brown
Dark Green	Black	Brown
Marble Green	Black	Brown



Blue

Black



VOLVO 1800E/VOLVO 1800ES

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 swing from upright to horizontal. Lumber support is adjustable. Seats are covered in leather.



The new 1800ES can carry 37 cubic feet of baggage, which is not only great for a sports car, but one too for a sedan.

COLOR COMBINATIONS

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



Gold

Black

Specifications:

Engine:
 Volvo 142E, 144E, 145E,
 1800E, ES
 Type R30F, Four-cylinder
 in-line electronically-controlled
 fuel injection engine with five-
 main-bearing crankshaft. Fuel
 pressure regulator and electric
 fuel pump.

Max output (hp at rpm SAE 900)
 112, 9000

Max torque (ft. lb. rpm SAE 900)
 113, 1500

Displacement 173 cu. in.

Bore 3.26 in.

Stroke 3.17 in.

Compression ratio 8.7:1

Volvo 164E
 R30F, Six-cylinder, in-line,
 electronically-controlled fuel
 injection engine with seven-
 main-bearing crankshaft. Fuel
 pressure regulator and electric
 fuel pump.

Max. output (hp at rpm SAE 900)
 139, 1700

Max. torque (ft. lb. rpm SAE 900)
 154, 1500

Displacement 242 cu. in.

Bore 4.50 in.

Stroke 3.17 in.

Compression ratio 8.7:1

Cooling system:
 Swirl with air. Drive. Water
 cooling with pump and thermostat.
 Capacity Volvo 140 Series
 and 164E 16.6 quarts. Volvo
 1800E, ES 10 quarts. Volvo
 type cooling fan.

Electrical system:
 12-volt system.
 Battery capacity 60 Ah.
 Alternator 55 A—770 W.
 Starter motor output 3 hp.

Transmission:
 Four-speed all-synchronized
 manual with remote control shift
 linkage.

140 Series and

164E

Ratio: 1800E, ES

1st 3.15:1 3.54:1

2nd 1.99:1 2.57:1

3rd 1.56:1 2.34:1

4th 1:1 1:1

Reverse 3.25:1 3.54:1

Overdrive:

Electrically operated. Available

as standard on Volvo 1800E,
 Volvo 1800ES, and 164E.

Automatic transmission:

Fully automatic with par-

allel-shaft change-down function.

Remote control shift linkage.

Clutch:

Single dry disc clutch of

straight-spring type.

Mechanical control.

Rear axle:

Rear axle of hypoid type.

Ratio: Manual Automatic

140 Series 4.28:1 4.02:1

164E 3.75:1 3.51:1

1800E, ES 4.32:1 3.91:1

Steering gear:

Volvo 164E recirculating

ball and ray with power assist.

All other models: Cars and

trucks.

Turning: Between Between

steer. steer. with

140 Series 20-21.4 in. 22 in. 50 in.

164E 17.5 in. 10 in. 26 in. 1 in.

1800E, ES 20 in. 11 in. 27 in. 50 in.

Brake system:

Front brake:

Disc-type split disc drum

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 excessive 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 142E, 144E models have

17" ground steel rims and hub-

caps. Whitewall radial tires

167M/15.

Volvo 145E, 4.45:1.15 whitewall

tires.

Volvo 164E has 17" ground

steel rims with chrome hub-caps

and tire rings. Whitewall radial

ply tires 167M/15.

The Volvo 1800E and ES have

17" ground steel wheels with

chrome wheel caps and tire

rings. Radial ply tires.

167-780R/15. All cars have

safety type tires.

Body:

All-welded, integral steel body.

Reinforced boxed steel pillars

surround the passenger compart-

ment. Complete rust protection

and underbody treatment.

Fuel tank:

Located at rear. Capacity

1800E, ES approx. 11.8 gallons.

Capacity others approx. 15.5

gallons.

Trunk:

142E, 144E and 164E.

Capacity approximately 24

cubic feet. Volvo 1800E, ES

have a rear seat luggage shelf

the backrest can be folded

forward to give extra luggage

space.

Heating and ventilation system:

Thermatically-controlled

heating and ventilation system.

Quiet running two-speed fan.

Outlet for both front and rear

seats on 140 Series and 144E.

Three defogger vents on wind

shield. Fresh air intake under

dash side of dashboard. Air

extractor outlet in 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 dimmer control.

Four-way hazard warning

lights. Side marker lights. Volvo

1800E and ES have an illuminated

mirror lock for front and

side mirrors.

Other standard equipment on

Volvo:

Painted steel wheels. Day night

mirror. High impact

hormonal windshield. Two-

speed electric windshield wipers.

Windshield wipers.

Control steering and ignition

warning lock. Asymmetric

mirroring seat belts on front

seats. Rear seat lap belts.

140 Series and 164E models have

adjustable headrests. Expandable

seat padding on front seats.

Outside rearview mirror view on

142E and 164E. 1800E, ES has

locking console. Tool kit and

jack.

The factory reserves the right to

make changes at any time, with-

out notice. In print, color,

material, equipment, specifications

over and models and also

discontinue models.