

VOLVO 164:

**Features
To Remember**

1. Long 106 inch wheelbase

Adds "big" car smoothness of ride to Volvo without sacrificing sports car handling and roadability.

2. New 145 H.P. B-30A 6-cylinder engine

This engine, like our new B-20, has overhead valves and a side-located camshaft. The six cylinders result in excellent balance, but to make the engine even smoother running and reliable it has been provided with a seven-bearing crankshaft with large bearing areas and a very stiff engine block. The B-30A engine has twin Zenith Stromberg carburetors, exhaust emission control, positive crankcase ventilation, induction air preheating, sealed cooling system, speed controlled cooling fan and an alternator. The B-30A uses many of the same parts as the B-20 — an obvious service advantage.

3. Collapsible steering column

Volvo's unique safety steering column is designed to give way under severe impact, preventing the introduction of the steering column into the passenger compartment. Unlike most "telescoping" types, there is practically no limit to the amount of displacement which can be absorbed.

4. 4-wheel disc brakes with power assist

The Volvo has 4-wheel disc brakes with power assist as standard equipment. Disc brakes provide uniform braking action at any speed with no brake fade under repeated hard use. Pressure relief valves are incorporated, providing equal hydraulic pressure to each rear wheel, so that there is no danger of the rear wheels locking before the front wheels during a "panic" stop. No-surge stability under all conditions is the result. The power assist reduces the pedal pressure required, while retaining good brake "feel".

5. Power steering

To provide extra light steering and fewer turns of the steering wheel, the Volvo 164 has a servo-assisted steering system. Only 3.7 turns of the steering wheel are needed from lock to lock.

6. Alternator

The 164 has an alternator to maintain a uniform flow of electrical power, even at the lowest idling speeds.

7. Sealed cooling system

Volvo's sealed cooling system eliminates worry over summer over-heating, and prevents coolant losses. A rugged plastic bottle alongside the radiator allows for expansion as well as condensation of steam. Since the

bottle is made of translucent material, it permits visual checking of the coolant level without removing the cap.

8. Full-flow oil filter

The Volvo full-flow oil filter is an integral part of the engine lubrication system, cleaning virtually *all* of the oil each time it is circulated. Other oil filters clean only the portion of the oil that is routed through a bypass, permitting the possibility of contamination and greater engine wear.

9. Anti-smog device

The Volvo anti-smog device has been acclaimed as the simplest and most advanced in the world. The theory is simple. The gas-air mixture is pre-heated before induction, permitting more complete combustion and resulting in the virtual elimination of unburned hydrocarbons. The system is entirely incorporated within the engine, requiring neither external hardware nor separate tuning.

10. Suspension lubricated for life

All moving parts in Volvo's suspension system are permanently lubricated and sealed for life. Frequent lubrication is unnecessary and abrasive dirt is kept out, prolonging the life of the system.

11. 15 inch white sidewall tires standard

The larger the tire, the fewer the revolutions. The fewer the revolutions, the less tire contact with the road, and the longer the tire life. Volvo's 6:85-15 low-profile tires are designed to combine the superior road holding of a "belted" tire with the comfortable ride of a standard tire. They have a wide tread for greater traction, and are rated for sustained speeds up to 109 MPH.

12. Factory balanced wheels — safety rims

Volvo wheels and tires are precision balanced at the factory, assuring high speed stability and evenness of wear. The safety rim will hold the tire to the wheel even under blow-out conditions, to assist the driver in making a smooth, safe, emergency stop.

13. Rigid passenger compartment

The unitized, all-welded steel Volvo body is built of rugged box sections to form a rigid safety frame surrounding the entire passenger area. This type of construction affords much greater protection than the mating of a body and frame.

14. Seven layer finish, weighing 33 lbs.

The Volvo body is first dipped in a zinc phosphate bath. This etches the steel, permitting the finish coats to get the greatest possible grip on the steel. It is then dipped in primer. A second coat of primer is then warm sprayed on, then comes the undercoat. Finally, three coats of enamel are sprayed, "wet on wet". The body is oven dried and carefully hand rubbed between steps in the process. The result is a durable, beautiful finish of the highest caliber, which retains its good looks for years and years with normal care.

15. Factory undercoating

To prevent rusting from the inside out, thick undercoating is applied at the factory. In addition to protecting the body from the corrosive effect of salt spray, the undercoating acts as a sound-absorbing blanket. Road noises are reduced to a minimum.

16. Stainless dress-up kit

The generosity of bright ware and trim catches the eye and makes the new Volvo a worthy car for those who need to be seen in a class which appeals to motorists who seek the best in comfort and luxury.

17. Impact-absorbing body sections

The engine and trunk sections of the Volvo bodies are constructed to permit "controlled collapsibility". In the event of a front or rear end collision, these body sections absorb forces progressively, leaving the passenger compartment intact.

18. Backup lights

Volvo has them, and they are standard equipment at no extra cost.

19. Electric rear window defroster

The Volvo 164 is fitted with an electrically-heated rear window which is extremely effective against mist and frost. It heats in two stages and has an easily noticed warning lamp.

20. Counterbalanced trunk lid

The Volvo trunk lid opens with ease, assisted by two gas operated cylinders connected to the hinges. When loading or unloading luggage in bad weather, the lid may be placed in a partially open position to keep rain out.

21. 23.5 Cubic feet of trunk space

The Volvo trunk will hold plenty of luggage for five people, together with two spare tires. This is considerably more space than in other cars in Volvo's class, and more than in many larger cars.

22. Rugged aluminum bumpers, rubber inserts

Full length, wrap around bumpers that protect the front and rear of the car are made of rustproof, anodized aluminum alloy. Because of the type of alloy and construction used, Volvo's bumpers are *stronger* than steel. They are fitted with hard rubber inserts to prevent parking bumps and scrapes.

23. Built-in roll bar

Enclosing the passenger compartment are six steel pillars boxed for maximum strength, and a bar across the roof to keep the sides apart in the unlikely event of rollover in an accident. Each pillar can support the weight of the entire car, and together they can support the weight of 12 cars. Volvo is one of the strongest and safest cars ever built.

24. All around tinted glass

Tinted glass throughout the 164 reduces road glare and aids in maintaining comfortable

cool temperatures when equipped with air conditioning. It is, of course, standard equipment.

5. Luxurious leather upholstery

The Volvo 164 seats are upholstered with the finest leathers for the ultimate in luxury.

6. Full carpeting

For greater comfort and to assure absolute quietness, wall-to-wall carpeting is standard in the 164.

7. 80° door openings

Volvo doors open a full 80° , making the seats in the Volvo as accessible as a favorite armchair. They will also stay open in an intermediate position for use in tight parking spaces.

8. Fully reclining seats

The front seat backrests adjust to any desired position. The right seat passenger can sleep comfortably on a long trip, and when the seats are moved forward, the backrests can be fully reclined to form beds.

29. Adjustable lumbar support

Inside the Volvo seat are rubber straps under tension. The degree of tension can be increased by turning the round knob on the side of the seat, adjusting the support at the small of the back. This is an exclusive Volvo feature, a definite comfort "plus".

30. Three point safety belts

Volvo was the first passenger car manufacturer in the world to make safety belts standard equipment, offering the vastly superior protection of combination shoulder/lap three-point belts for front seat passengers. Now Volvo has added lap belts for the safety of the rear passengers, at no additional charge.

31. New M-400 gearbox

The Volvo 164 utilizes a newly designed gearbox with extra effective synchronization which makes possible quick and easy operation. The Borg-Warner 35 automatic transmission is available as an option.

32. Dual brake system

Volvo's dual circuit brake system is regarded by experts as one of the finest, if not *the* finest, available on a production automobile

today. It insures that both front brakes and one rear brake will operate in the event of brake line failure. Most domestic systems provide for front wheel or rear wheel brakes only, under the same circumstances. The Volvo dual braking system provides 80% effectiveness on either circuit, compared with 70% on front only or 30% on rear only. In the event of failure in one circuit, a red warning light located on the instrument panel goes on.

33. Adjustable seat height and location

The Volvo seat can be adjusted to fit virtually anyone. Beyond the normal fore-and-aft adjustment, it is a simple matter to provide more or less leg room, more or less height under the thighs or at the rear of the seat, more total height, etc. The possibilities are endless.

4. Handbrake warning light

Coupled with Volvo's dual disc brake system is a manual hand brake which operates supplementary drum brakes in the rear wheels. The warning light will remind the driver if he forgets to release the hand brake.

35. Safety padded instrument panel and visors

The instrument panel and breakaway flat-surface knobs are surrounded with safety padding. The area below the dash is built of impact-absorbing material to protect the knees, and the sun visors are also padded.

36. Electric windshield washer

An electric windshield washer is standard equipment on a Volvo. The washer motor operates off the windshield wiper switch, permitting immediate and effective windshield cleaning. The wiper arcs cover a large portion of the glass area.

37. Thermostatically controlled fresh air heater

Volvo's thermostatic heater control automatically maintains comfortable temperature settings no matter how cold it gets, regardless of driving speed. Naturally, a greater amount of cold air is forced through the heater core during high speed driving. Differences in air volume, resulting from variations in speed, are equated by the thermostatic control. Built to suit the rigors of Swedish winters, the Volvo heater also directs fresh, warm air to the rear seats through a duct on the transmission tunnel. Guests and children in the rear are just as comfortable as the front seat passengers.

In this presentation we have confined ourselves to just a sampling of features. Discover more for yourself — become a Volvo owner.

