



SCALE: 10" DIVISIONS

PRICE

List price, all POE \$6795
 Price as tested \$7639
 Price as tested includes standard equipment (4-wheel disc brakes, sunroof, 4-speed with OD, Jlower steering & brakes), A/C (\$398), AM/FM/tape deck (\$263), trailer hitch (\$43), dlr prep & dest (\$140)

IMPORTER

Volvo, Inc
 Rockleigh, N.J. 07646

GENERAL

Curb weight, lb. 3090
 Test weight 3440
 Weight distribution (with driver), front/rear, % 53/47
 Wheelbase, in. 104.0
 Track, front/rear. 55.9/53.1
 Length 192.6
 Width 67.1
 Height 56.5
 Ground clearance 7.1
 Overhang, front/rear 38.9/49.7
 Usable trunk space, cu ft. 17.9
 Fuel capacity, U.S. gal. 15.8

ENGINE

Type ohv inline 4
 Bore x stroke, mm 88.9 x 80.0
 Equivalent in. 3.50 x 3.15
 Displacement, cc/cu in. 1990/121
 Compression ratio 8.7:1
 Bhp @ rpm, net. 94 @ 6000
 Equivalent mph 132
 Torque @ rpm, lb-ft. 105 @ 3500
 Equivalent mph 75
 Fuel injection Bosch CIS
 Fuel requirement, unleaded, 91-oct
 Exhaust-emission control equipment: air injection, catalytic converter, exhaust-gas recirculation

DRIVETRAIN

Transmission 4-sp manual with OD
 Gear ratios: OD (0.80) 3.43:1
 4th (1.00) 4.30:1
 3rd (1.36) 5.85:1
 2nd (1.99) 8.56:1
 1st (3.41) 14.66:1
 Final drive ratio 4.30:1

CHASSIS & BODY

Layout front engine/rear drive
 Body/frame unit steel
 Brake system 10.3-in. discs front, 11.0-in. discs rear; vac ast
 Swept area, sq in. 420
 Wheels steel disc, 14 x 5% J
 Tires Michelin X, 185-14
 Steering type rack & pinion, power assisted
 Overall ratio 17.1:1
 Turns, lock-to-lock 3.5
 Turning circle, ft 32.2
 Front suspension: MacPherson struts, lower A-arms, coil springs, tube shocks, anti-roll bar
 Rear suspension: live axle on trailing arms & Panhard rod, coil springs, tube shocks, anti-roll bar

INSTRUMENTATION

Instruments: 130-mph speedo, 7000-rpm tach, 999,999 ado, 999.9 trip ado, coolant temp, fuel level, clock
 Warning lights: oil press., brake system, parking brake, alternator, overdrive, rear-window heat, bulb failure, egr, seatbelts, hazard, high beam, directionals

ACCOMMODATION

Seating capacity, persons 5
 Seat width, fir 2 x 20.0/51.0
 Head room, fir 37.0/35.0
 Seat back adjustment, deg 80

MAINTENANCE

Service intervals, mi:
 Oil change 7500
 Filter change 7500
 Chassis lube none
 Tuneup 15,000
 Warranty, mo/mi 12/unlimited

CALCULATED DATA

Lb/bhp (test weight) 36.6
 Mph/1000 rpm (OD) 21.0
 Engine revs/mi (60 mph) 2860
 Piston travel, ft/mi 1500
 R&T steering index 1.13
 Brake swept area, sq in./ton 244

RELIABILITY

From R&T Owner Surveys the average number of trouble areas for all models surveyed is 12. As owners of earlier-model Volvos reported 10 trouble areas, we expect the reliability of the Volvo 242GL to be slightly better than average.

ROAD TEST RESULTS
ACCELERATION

Time to distance, see:
 0-100 ft 4.2
 0-500 ft 10.9
 0-1320 ft (1/4 mi) 20.1
 Speed at end of 1/4 mi, mph 70.0
 Time to speed see:
 0-30 mph 4.5
 0-40 mph 7.1
 0-50 mph 10.0
 0-60 mph 14.2
 0-70 mph 20.1
 0-80 mph 26.8

SPEEDS IN GEARS

OD gear (4400 rpm) 95
 4th (5250) 95
 3rd (6000) 78
 2nd (6000) 54
 1st (6000) 31

FUEL ECONOMY

Normal driving, mpg 18.5
 Cruising range, mi (l-gal res) 274

HANDLING

Speed on 100-1t radius, mph 31.7
 Lateral acceleration, g 0.673
 Speed thru 700-1t slalom, mph 53.0

BRAKES

Minimum stopping distances, ft:
 From 60 mph 180
 From 80 mph 287
 Control in panic stop very good
 Pedal effort for 0.5g stop lb 30
 Fade: percent increase in pedal effort to maintain 0.5g deceleration in 6 stops from 60 mph 27
 Parking: hold 30% grade? yes
 Overall brake rating good

INTERIOR NOISE

All noise readings in dBA:
 Idle in neutral 55
 Maximum, 1st gear 77
 Constant 30 mph 62
 50 mph 67
 70 mph 74

SPEEDOMETER ERROR

30 mph indicated is actually 30.5
 50 mph 51.0
 60 mph 61.0
 70 mph 71.5
 80 mph 81.0
 Odometer, 10.0 mi. 10.3

ACCELERATION
