

Document Title: Engine, description	Function Group: 200	Information Type: Service Information	Date: 2014/10/8
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Engine, description

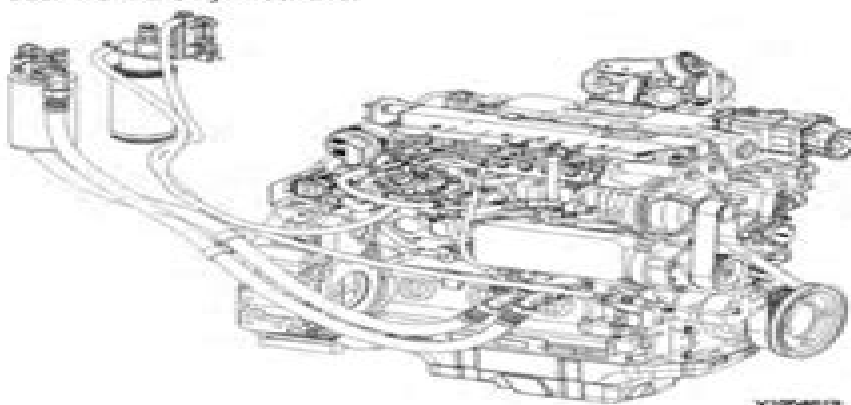
D4E - tier 3 compliant

The D4E configuration is a four stroke, straight four cylinder, turbocharged, direct injected diesel engine with charge air cooling and wet, replaceable cylinder liners.

The D4E engine uses a Common Rail Fuel System controlled by the engine electronic control (E-ECU) software.

Mechanically controlled IEGR (Internal Exhaust Gas Recirculation) reduces NO_x formation and lowers emissions without the need for exhaust after treatment. Volvo's latest engine management system, E-ECU is used to control all engine electronic functions.

The cylinders are numbered consecutively beginning at the flywheel end. Engine rotational direction is counterclockwise as seen from the flywheel end.



V1304819

Figure 1
Engine, D4E

Volvo 620service Guide

John Harold Haynes



Volvo 620service Guide:

Volvo S40 and V50 Diesel (07-13) 07 to 62 Chris Randall,2013-01-01 Part of the Haynes Service and Repair Manual Series this title covers Volvo S40 and V50 diesel cars made between 2007 and 2013 *Volvo Service Manual* Volvo, Aktiebolaget,1966 *Volvo S40 and V50 Petrol and Diesel Service and Repair Manual* Martynn Randall,2008 S40 Saloon V50 Estate inc special limited editions Does NOT cover Classic T5 or AWD four wheel drive models or facelifted range introduced July 2007 Petrol 1 8 litre 1798cc 2 0 litre 1999cc 2 4 litre 2435cc Does NOT cover 1 6 litre or 2 5 litre petrol engines Turbo Diesel 2 0 litre 1988cc Does NOT cover 1 6 litre or 2 4 litre diesel engines *Volvo S40 and V50 Diesel Owner's Workshop Manual, 07-13* Chris Randall,2016-10 **Volvo 440, 460 and 480 Owners Workshop Manual** A. K. Legg,1993 *Volvo 160 Series, 1968-75* R. M. Clarke,1998-09 Includes Engine fuel cooling systems ignition clutch gearbox overdrive automatic transmission suspension hubs steering gear brakes electrics bodywork plus buyers guide Covers models 164 164E 164TE **Volvo S40 & V40 Service and Repair Manual** Mark Coombs,Spencer Drayton,2005-01-01 S40 Saloon V40 Estate inc T4 special limited editions Does NOT cover new S40 V50 range introduced Mar 2004 or bi fuel models Petrol 1 6 litre 1588cc 1 8 litre 1731 1783 1834cc 1 9 litre 1855cc 2 0 litre 1948cc inc GDI Turbo **Workshop Manual for Volvo 120 Series and Sport** Peter Russek,1973 *Volvo 740 & 760 Owner's Workshop Manual* Haynes Publishing,Matthew Minter,John S. Mead,2014 This guide provides all that the Volvo 740 or 760 owner needs to know to service and maintain their vehicle *Workshop Manual for Volvo P120 and* Peter Russek,David Harris,1971 *Volvo 120 and 130 Series and 1800 Sports, 1961-1973* John Haynes,1988-07-30 Haynes disassembles every subject vehicle and documents every step with thorough instructions and clear photos Haynes repair manuals are used by the pros but written for the do it yourselfer **Volvo & Daf Owners Workshop Manual ...** John Harold Haynes,A. K. Legg,1979-01-01 *Volvo 850 Service and Repair Manual* John S. Mead,2015 *Volvo 240 Series Service and Repair Manual* Robert Maddox,Steve Churchill,1996 240 242 244 245 inc special limited editions Petrol 2 0 litre 1986cc 2 1 litre 2127cc 2 3 litre 2316cc OHC Does NOT cover OHV engines **Volvo 240 Series Owners Workshop Manual** Robert Phillip Maddox,Steve Churchill,2015-08 This Volvo 240 series owner s manual illustrated with drawings and photographs provides comprehensive advice on routine maintenance fault diagnosis and wiring using common tools **Volvo F/G 89 Service Manual** Volvo,197? *Volvo 142, 144 and 145 Owner Workshop Manual* John Harold Haynes,2012-10-01 An owners workshop manual for the Volvo 142 144 and 145 *Volvo Service ,1985** **Volvo 343 & 345 Owners Workshop Manual** A. K. Legg,1982-01-01 *Volvo 1944-1968 Workshop Manual* Pv444, Pv544 (P110), P1800, Pv445, P122 (P120 & Amazon), P210, P130, P220, 144, 142 & 145 Floyd Clymer,2008-06 Covers the Volkswagen 1200 1968 77 1300 and 1300A 1968 1975 1500 1968 1970 1302 1285cc 1970 1972 1302S and LS 1584cc 1970 1972 1303 1285cc 1972 1975 Karmann Ghia 1968 1974

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