

Document Title: <b>Engine, description</b>	Function Group: <b>200</b>	Information Type: <b>Service Information</b>	Date: <b>2014/6/26</b>
Profile: <b>ERC, EC250D L (GB)</b>			

## Engine, description

Engine DBH is a straight six-cylinder, four-stroke, turbocharged diesel engine with direct injection and intercooler. The engine meets governing legislation according to Tier 4 interim for exhaust emissions.

The engine features a Common Rail Fuel System controlled by the Engine Electronic Control Unit (E-ECU). The engine with ACT (Advanced Combustion Technology) features split injection and turbocharger with mechanical wastegate. The Exhaust Aftertreatment System (EATS) is equipped with a Diesel Oxidation Catalyst (DOC) and a Diesel Particulate Filter (DPF) to reduce the particulate content in the exhausts. Cooled Exhaust Gas Recirculation (EGR) reduces NO<sub>x</sub> contents and reduces emissions. All electronic functions in the engine are controlled by Volvo's Engine Management System, EMS2.2.

For more information, see:

- [220 Lubrication system, description](#)
- [230 Fuel system, description](#)
- [250 Inlet and exhaust system, description](#)
- [254 Exhaust Aftertreatment System, description](#)
- [255 Turbocharger, description](#)
- [260 Cooling system, description](#)
- [293 Exhaust Gas Recirculation \(EGR\), description](#)

The cylinders are numbered in sequence, starting at the flywheel. Ignition order: 1-5-3-6-2-4. The engine's rotational direction is counter-clockwise, seen from the flywheel side.

### Engine identification

# Volvo Ec250d L Ec250dl Excavator Service Repair Manual Instant

**A. K. Legg**



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Volvo 850 Service and Repair Manual John S. Mead, 2015      Volvo 300 Series Colin Brown, 1996      **Service Manual**  
**Repairs and Maintenance** Volvo,      Volvo 740 & 760 Matthew Minter, John S. Mead, 1996 Saloon Estate inc special limited  
editions Petrol 2 0 litre 1986cc 2 3 litre 2316cc 2 8 litre 2849cc      **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 S70, V70 & C70 Service and Repair Manual Jex RM, 2014      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 Service Manual** Volvo, Aktiebolaget, 1966      Volvo 240 Series Service and Repair Manual Steve J. Maddox, Steve  
Churchill, 2014 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      **Repair/Service Manuals, Excavator**  
, 1974      **Volvo 400 Series Service and Repair Manual** A. K. Legg, 1999 Hatchback Saloon Coupe inc Turbo special  
limited editions Petrol 1 6 litre 1596cc 1 7 litre 1721cc 1 8 litre 1794cc 2 0 litre 1998cc      Volvo 240 Service Manual  
Bentley Publishers, 2011-04 The Volvo 240 Service Manual 1983 1993 is a comprehensive source of service information and  
specifications for Volvo 240 and other Volvo 200 series cars built from model years 1983 through 1993 Whether you re a  
professional technician or a do it yourself Volvo owner this manual will help you understand maintain and repair systems on  
the Volvo 240 Volvo 200 series and 240 models covered in this repair manual 1983 1985 DL GL 1983 1985 Turbo 1986 1993  
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**Volvo 940 Service and Repair Manual** John S. Mead, 1996      Volvo 440, 460 and 480 Owners Workshop Manual A. K.  
Legg, 1993      Volvo Service , 1985\*

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