

Document Title: <b>Engine, description</b>	Function Group: <b>200</b>	Information Type: <b>Service Information</b>	Date: <b>2014/10/31</b>
<b>Profile:</b> <b>EXC, EC290C LR (GB)</b>			

## **Engine, description**

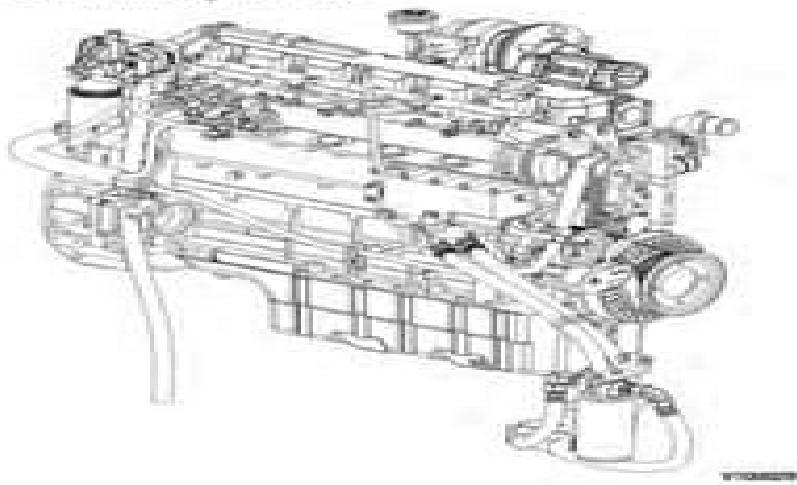
### **D7E - tier 3 compliant**

The D7E configuration is a four stroke, straight six cylinder, turbocharged, direct injected diesel engine with charge air cooling and wet, replaceable cylinder liners.

The D7E engine uses a Common Rail Fuel System controlled by the engine electronic control (E-ECU) software.

Electronically controlled IEGR (Internal Exhaust Gas Recirculation) reduces NO<sub>x</sub> formation and lowers emissions without the need for exhaust after treatment. Volvo's latest engine management system, EMS 2 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.



**Figure 1**  
**Engine, D7E**

# Volvo Ec290c Lr Ec290clr Excavator Service Repair Manual Instant

**Robert Maddox,Steve Churchill**

**Volvo Ec290c Lr Ec290clr Excavator Service Repair Manual Instant:**

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