

Document Title: Engine, description	Function Group: 200	Information Type: Service Information	Date: 2014/7/31
Profile: EXC, EC380D NL (GB)			

Engine, description

Engines D11H, D13H, and D16H are straight six-cylinder, four-stroke, direct-injected diesel engines. They are equipped with a single variable geometry turbocharger (VGT) and feature cooled external exhaust gas recirculation (EGR). They have charge-air cooling with mechanically actuated electronically controlled unit injectors, controlled by the EMS-system.

The engines have a one-piece cylinder head with four valves per cylinder and a single overhead camshaft. Rear-mounted timing gear results in a shorter engine and lighter drivetrain installation. The engine brake for articulated haulers, VEB7, does not have the additional Exhaust Pressure Governor, EPG. Sufficient exhaust back-pressure will be controlled via the VGT.

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](#)

For Articulated Haulers:

- [253 Auxiliary brake \(engine braking\), description](#)

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

Engine identification

Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant

Huangqi Zhang



Volvo Ec380d NI Ec380dnl Excavator Service Repair Manual Instant:

This book delves into Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant. Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant
 - Chapter 2: Essential Elements of Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant
 - Chapter 3: Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant in Everyday Life
 - Chapter 4: Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant in Specific Contexts
 - Chapter 5: Conclusion
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 3. In chapter 2, this book will delve into the foundational concepts of Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant. This chapter will elucidate the essential principles that need to be understood to grasp Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant in its entirety.
 4. In chapter 3, the author will examine the practical applications of Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant in daily life. This chapter will showcase real-world examples of how Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant can be effectively utilized in everyday scenarios.
 5. In chapter 4, the author will scrutinize the relevance of Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant in specific contexts. This chapter will explore how Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant is applied in specialized fields, such as education, business, and technology.
 6. In chapter 5, this book will draw a conclusion about Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Volvo Ec380d Nl Ec380dnl Excavator Service Repair Manual Instant.

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