

Document Title: <b>Safety concerns everybody!</b>	Function Group: <b>191</b>	Information Type: <b>Service Information</b>	Date: <b>2014/7/14</b>
Profile: <b>EXC, EC480D L [GB]</b>			

## **Safety concerns everybody!**

Always follow the instructions in the machine's Operator's Manual.

The Operator's Manual shall **always** be easily accessible in the cab.

Volvo designs and manufactures machines with a high level of safety as well as effectiveness. All this work may be wasted if anyone who is about to perform service on any of our machines does not read the safety instructions, or does not follow them, e.g., does not replace guards, climbs on slippery machine parts instead of using a ladder, grabs a hold of hoses instead of handles or uses the wrong tools for the job.

Always use the intended and adapted genuine Volvo spare parts for the machine in question to maintain safe and efficient function.

Machines seldom cause accidents, instead people often do.

A safety-conscious person and a well-maintained machine make for a safe, effective and profitable combination.

**Those who do not follow the safety instructions and observe the warnings in this manual must make sure that their work method is safe. Otherwise, there is a great risk of accidents, perhaps even accidents that result in fatalities.**



### **WARNING SYMBOL**

This symbol appears at various points throughout the manual together with a warning text. It means "Warning, stay alert! Your safety is involved!".

**Get to know the capacity and limits of your machine!**

Document Title: <b>CE-marking, EMC-directive</b>	Function Group: <b>191</b>	Information Type: <b>Service Information</b>	Date: <b>2014/7/14</b>
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## CE-marking, EMC-directive

### CE-marking



**Figure 1**

(Declaration of conformity, only applies to machines marketed within the EU/EEA).

This machine is CE-marked. This means that, when delivered, the machine meets the applicable "Essential Health and Safety Requirements" specified in EU's so-called Machine Safety Directive, 2006/42/EC.

The person making any changes that affect machine safety is also responsible for the same.

As proof that the requirements are fulfilled the machine is supplied with an EU Declaration of Conformity, issued by Volvo CE for every individual machine. This EU declaration also covers attachments manufactured by Volvo CE. The documentation is a valuable document that should be stored in a safe place and retained for at least ten years. **The documentation shall always accompany the machine when it is sold.**

If the machine is used for other purposes or with other attachments than described in this manual, safety must be maintained at all times and in each individual case. The person carrying out such action is also responsible for the action which, in some cases, may require a new CE-marking and the issue of a new EU Declaration of Conformity.

### **EU EMC Directive**

The electronic equipment of the machine may in some cases cause interference with other electronic equipment, or the equipment may be adversely affected by external electromagnetic interference, which may constitute safety risks.

The EU EMC directive on "Electromagnetic conformity" provides a general description of what demands can be made on the machine from a safety perspective, where permitted limits have been determined and given according to international standards.

A machine or device which meets the requirements should be CE-marked. Our machines have been specifically tested for electromagnetic interference. The CE marking of the machine and the declaration of conformity also cover the EMC directive.

If other electronic equipment is fitted to this machine, the equipment must be CE-marked and tested on the machine with regard to electromagnetic interference.

### **EU's noise directive**

Within the EU there is a noise directive stating that a machine may not have noise values that exceed a certain level. The values are indicated on a plate on the outside of the machine. Each machine is also delivered with a noise certificate where Volvo CE assures that the machine fulfills the governing legal requirements. It is important that this certificate accompanies the machine when it is sold.

It is also important that no modifications are made to the machine's noise-damping components in order to fulfill the limit values.

Document Title: <b>Safety when handling the machine</b>	Function Group: <b>191</b>	Information Type: <b>Service Information</b>	Date: <b>2014/7/14</b>
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## Safety when handling the machine

### **Volvo Construction Equipment is only responsible if:**

- the machine has been used correctly and has been maintained according to instructions in Service Manuals and the Operator's Manual.
- prescribed service and prescribed inspections have been performed at the stated intervals.
- the lubricant recommendations in the manual have been followed.
- no safety seals have been opened by unauthorized persons.
- all modifications and repairs have been performed as prescribed by Volvo.
- only Volvo genuine spare parts/accessories or attachments that meet Volvo's requirements have been used.

Machine operators must have sufficient skills and knowledge of the content in the Operator's Manual before operating the machine.

It is important that the operator reads and follows the instructions in the machine's Operator's Manual.

An untrained operator may cause serious injuries and fatalities.

Never operate a excavators for which there is no Operator's Manual available.

Learn to understand the warning plates, symbols and operating instructions for the machine before you start operating.

### **A few simple safety rules**

#### **General**

- Repair malfunctions or defects that affect safety as soon as possible.



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**Figure 1**

**Always maintain a three point contact with the steps and handrails**

- Always use a hard hat, safety glasses, gloves, protective work shoes and other protective items as required by the work situation.
- Avoid standing in front of or behind the machine when the engine is running.
- Always use a rubber window scraper or brush with a long handle when cleaning the outside of the windows in order to avoid unnecessary climbing on the machine.
- When servicing the machine, for example when changing light bulbs, a ladder may be needed.
- Make sure that stepping surfaces, handles, service areas and anti-slip surfaces are free from oil, diesel, dirt and ice and that they are changed if they are damaged or missing.
- Check at regular intervals that all anti-slip surfaces are securely fastened. If not, fasten or replace as required.
- Always face the machine and use the steps and handrails when entering or leaving the machine. Use two hands and one foot, or two feet and one hand. Do not jump!

**Before operating**

- Read the Operator's Manual before you operate the machine! Follow the operating instructions and perform actions according to the instructions in the manual before operating.  
A few important rules are given below:



**Figure 2**

**Read the operator's manual before you operate the machine**

- Perform a control light test before starting the engine by turning the ignition key to position I, see Operator's Manual.
- Perform all recommended safety checks as outlined in the Operator's Manual.

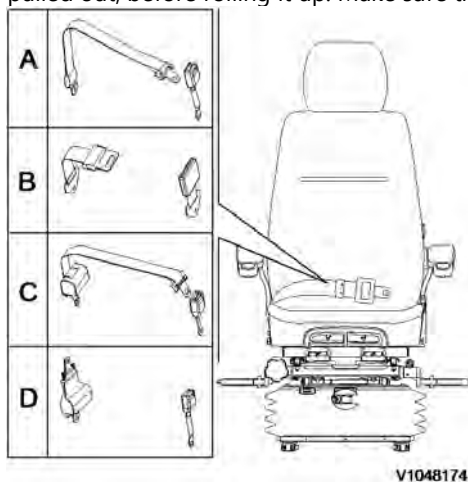
**⚠ WARNING**

**Never operate the machine if you are tired or under the influence of alcohol, medicine or other drugs.**

- Before starting the engine indoors, make sure that the extraction capacity of the ventilation system is sufficient. The machine is equipped with a diesel engine and the exhausts may be hazardous to your health. Make sure that ventilation is sufficient, and avoid running the engine indoors for longer than necessary where ventilation is insufficient.
- Read all plates and instructions on the machine and in the Operator's Manual before operating or servicing the machine. Each of these instructions contains important information about safety, handling and service.
- Use the seat belt during all operation.
- Always sit in the operator's seat when starting the engine.
- The machine must be fully operational before it is put into work, that is, all malfunctions that may cause an accident must be repaired.
- Do not operate the machine for long periods without ventilation or with a completely closed cab without running the cab fan (risk of lack of oxygen).
- Only step and stand on surfaces with slip-protected treads and hold on to the available handles and handrails.

**Seat belt**

- If the seat belt needs to be washed: Use a mild soap solution when washing and allow the belt to dry while it is fully pulled out, before rolling it up. Make sure that the belt is fitted correctly.



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