

Document Title: <b>Basic checks</b>	Function Group: <b>090</b>	Information Type: <b>Service Information</b>	Date: <b>13-Jul-21</b>
Profile: <b>L180F Volvo</b>			

## Basic checks

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
L180F Volvo	Arvika	11001	12581
L180F Volvo	Arvika	12582	99999

### NOTE!

Basic data must always be collected and error codes and parameters must always be checked before the basic check is started; see [Troubleshooting, general](#).

Basic check is performed on each main system. The purpose of the basic check is that it shall give quick and certain information about the status in the sub-system included in each main system.

Each basic check is divided into a number of checks to be performed in order.

If the basic check does not help to locate the cause of the malfunction, the information obtained helps as guidance for continued troubleshooting together with other service information.

The basic check(s) to be performed is determined by the information obtained when the basic data was collected; see [Collection of basic data](#).

### Basic checks:

- [Engine, basic check](#)
- [Electrical system, basic check](#)
- [Power transmission, basic check](#)
- [Brake system, basic check](#)
- [Parking brake, basic check](#)
- [Steering and hydraulics, basic check](#)

Document Title: <b>Charging of batteries</b>	Function Group: <b>170</b>	Information Type: <b>Service Information</b>	Date: <b>13-Jul-21</b>
Profile: <b>L180F Volvo</b>			

## Charging of batteries

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Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
L180F Volvo			

### Explosion hazard

When a battery is being charged, an explosive mixture of oxygen and hydrogen is formed. A short circuit, open flame or spark near the battery can cause a powerful explosion. Always turn off the charging current before disconnecting the charging clamps. Ventilate well, especially if the battery is charged in a confined space.

### Corrosive sulphuric acid

The battery electrolyte contains corrosive sulphuric acid. Electrolyte spilled on bare skin must be removed immediately. Wash with soap and plenty of water. If electrolyte gets into your eyes or any other sensitive body part, rinse immediately with plenty of water and seek immediate medical attention.

Document Title: <b>Cleanliness, brake and hydraulic systems</b>	Function Group: <b>170</b>	Information Type: <b>Service Information</b>	Date: <b>13-Jul-21</b>
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## Cleanliness, brake and hydraulic systems

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Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
L180F Volvo			

Maintain the best possible cleanliness when working on these systems. Wipe off all pipe and hose connections before disconnecting and remove paint flakes, etc. Plug all pipes, hoses, cylinders, etc. immediately after disconnecting. Never install a hydraulic hose which has not been plugged until it has been thoroughly cleaned.



Construction Equipment

Service Information

Document Title: <b>Electric welding</b>	Function Group: <b>179</b>	Information Type: <b>Service Information</b>	Date: <b>13-Jul-21</b>
Profile: <b>L180F Volvo</b>			

Electric welding

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Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
L180F Volvo			

The battery disconnect switch must be turned off or the battery ground lead must be disconnected before any electric welding on the machine or connected attachments is carried out.

**Connect the welding unit as close as possible to the welding point.**

Document Title: <b>Electric welding</b>	Function Group: <b>170</b>	Information Type: <b>Service Information</b>	Date: <b>13-Jul-21</b>
Profile: <b>L180F Volvo</b>			

## Electric welding

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
L180F Volvo			

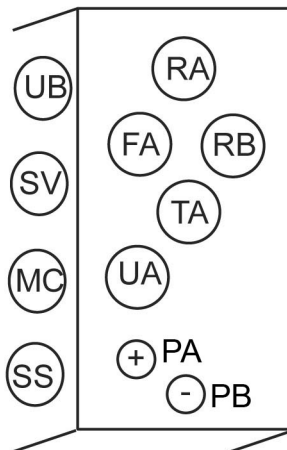
For electric welding on the machine or on attachments on machine:

- voltage feed turned off with battery disconnect switch
- all connectors in the cab's rear wall shall be unplugged to avoid damaging the machine's electronics.

### NOTE!

Ground the welding unit as close as possible to the welding point.

Welding on the cab is not permitted, it affects the cab's approval for FOPS and ROPS .



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**Figure 1**

Connectors on the rear of the cab wall

It's a preview. You can download the full file by clicking the link below.

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