

Descriptions _____	2
Diagrams _____	635
Installation Instructions _____	753
Repair _____	1036
Safety _____	1708
Specifications _____	1755

Document Title: Description	Function Group: 000	Information Type: Service Information	Date: 29-07-2022
Profile: L150E Volvo			

Description

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
L150E Volvo			

The L150E is a four-wheel drive wheel loader with articulated frame steering.

The L150E is equipped with a six cylinder, four-stroke, direct-injected turbocharged diesel engine of the type D9A alternatively D10B.

The hydro-mechanical transmission, in which all gears are in constant mesh, has the type designation HTE210.

There is a single-stage hydraulic torque converter between the engine and transmission.

Front and rear axles have fully floating drive shafts with planetary type gears in the hubs. The front axle is equipped with a differential lock.

The parking and service brakes of the machine are wet, multi-disc brakes. The parking brake is positioned on the output shaft in the transmission and the service brakes are built into each wheel hub.

The steering system is hydrostatic with a variable load-sensing axial piston pump and two hydraulic cylinders (steering cylinders). Hydraulic system, see Section 9.

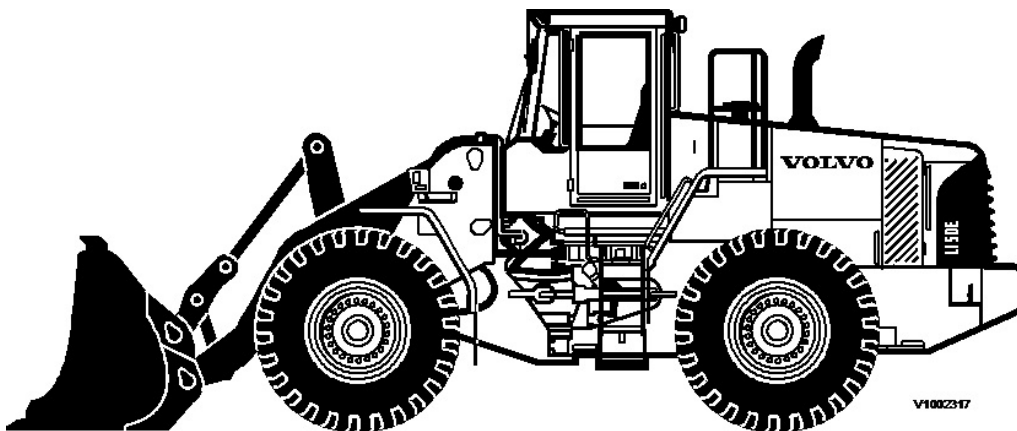


Figure 1
Wheel loader L150E

Document Title: Cleanliness, brake and hydraulic systems	Function Group: 179	Information Type: Service Information	Date: 30-07-2022
Profile: L150E Volvo			

Cleanliness, brake and hydraulic systems

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Model	Production site	Serial number start	Serial number stop
L150E 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.

Document Title: Charging batteries	Function Group: 179	Information Type: Service Information	Date: 30-07-2022
Profile: L150E Volvo			

Charging batteries

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Model	Production site	Serial number start	Serial number stop
L150E Volvo			

Explosion hazard

When a battery is being charged, an explosive mixture of oxygen and hydrogen gas is formed. A short circuit, open flame or spark near the battery can cause a powerful explosion. Always switch off the charging current before removing the charging clamps. Maintain adequate ventilation when charging batteries in a confined space.

Corrosive sulphuric acid

The battery electrolyte contains corrosive sulphuric acid. Electrolyte that comes in contact with bare skin must be removed immediately by washing with soap and plenty of water. If electrolyte comes in contact with eyes or other sensitive body parts, rinse off immediately with plenty of water and seek immediate medical attention.

Document Title: In a lift or other confined space	Function Group: 179	Information Type: Service Information	Date: 30-07-2022
Profile: L150E Volvo			

In a lift or other confined space

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
L150E Volvo			

1. Back the machine in.
2. Apply the parking brake and switch off the engine before starting the lift.

WARNING

If the machine is to be driven from a loading dock onto the platform of a truck trailer or railway car, make sure that the vehicle is securely braked, for example, wheels blocked. Make sure that there is no risk that the vehicle cannot roll over or sway in a dangerous manner when the machine is driven on.

NOTE!

In other respects, follow the national rules and regulations.

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