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| Document Title: Description | Function Group: 000 | Information Type: Service Information | Date: 20-04-2023 |
| Profile: L50E Volvo | | | |

Description

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| Valid for serial numbers | | | |
|--------------------------|-----------------|---------------------|--------------------|
| Model | Production site | Serial number start | Serial number stop |
| L50E Volvo | | | |

L50E is an articulated four-wheel drive wheel loader.

Loader L50E is equipped with a four-cylinder, four-stroke, low-emission, diesel engine with the type designation D4D. The engine is provided with mechanically controlled fuel injection and is turbocharged. The engine has four separate fuel injection pumps, one for each cylinder.

The machine has hydrostatic drive with a two-stage "Power Shift" gearbox (high/low gear). The type designation is HST75.

The front and rear axles have fully floating drive shafts with planetary gears in the wheel hubs.

The service brakes of the machine are wet type disc brakes built integrally with a planetary gear in each hub. The parking brake, of the drum brake type, is installed on the front axle.

The hydraulic system is load sensing with a pump in common for the brakes, steering and working hydraulics.

For a more detailed description of the various functions and components, refer to the relevant section.

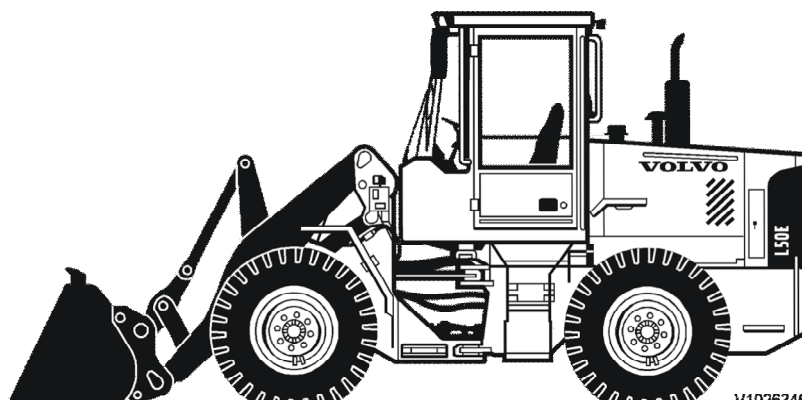


Figure 1
Wheel loader L50E

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| Document Title: Cleanliness in hydraulic systems | Function Group: 170 | Information Type: Service Information | Date: 20-04-2023 |
| Profile: L50E Volvo | | | |

Cleanliness in hydraulic systems

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The greatest possible cleanliness must be observed when carrying out any work on the different hydraulic systems. Wipe all pipes and hose connections clean before disconnecting them, remove all flakes of paint, etc. Plug all pipes, hoses, cylinders, etc. immediately after disconnecting them. Never attach an unplugged hydraulic hose without first cleaning it.

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| Document Title: Coolant, changing | Function Group: 173 | Information Type: Service Information | Date: 20-04-2023 |
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Coolant, changing

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Op nbr 173-457

Draining

1. Place a collecting vessel under the draining point.

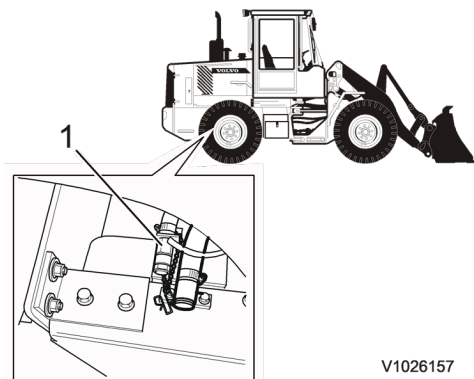


Figure 1

1. Draining point for coolant
2. Remove the cap from the expansion tank.

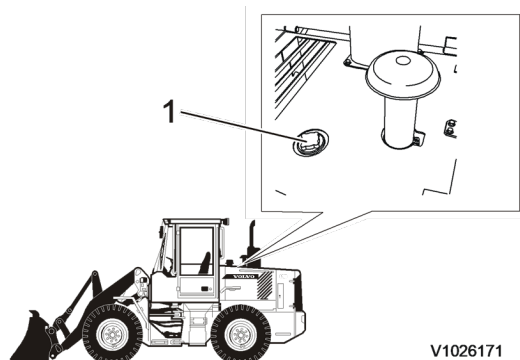


Figure 2

1. Cap for expansion tank



Risk of scalding and burns. The coolant may be hot.

3. Remove the plug for the coolant at the draining point and drain off the coolant.
Capacity: **19 litres (5 US gal)**.

NOTE!

Take care of the coolant in an environmentally safe way.

Filling up

4. Fill coolant up to the max. mark on the expansion tank. Capacity: **19 litres (5 US gal)**.

NOTICE

Allow the engine to cool down before filling cold coolant. Risk of engine damage if cooled down fast.

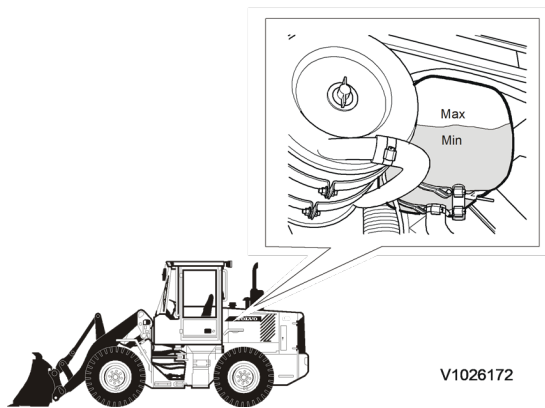


Figure 3

Expansion tank

5. Run the engine until warm and top up the system until it is full.
6. The coolant level should be checked after the engine has been run until warm and then cooled down.

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| Document Title: Electric welding | Function Group: 170 | Information Type: Service Information | Date: 20-04-2023 |
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Electric welding

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Before starting any electric welding on the machine or attachments connected to the machine, the battery disconnect switch must be turned off or the battery ground lead must be disconnected.

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

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

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