



VOLVO BM L180C CO



- **Engine output SAE J1349:**
gross 209 kW, (284 hp)
net 198 kW, (269 hp).
- **Operating weight:** 24,2-27,5 t.
- **Buckets:** 4,2 – 14,0 m³.
- **Volvo Low Emission engine** with excellent low rpm. lugging performance.
The engine meets all known regulations regarding exhaust emissions for off road machines until year 2001.
- Volvo BM transmission with **APS II**, the new generation of Automatic Power Shift with mode selector optimizes the performance.
- **Torque Parallel Linkage**
 - high breakout torque throughout the working range
 - excellent parallel lift-arm action
- Fully sealed oil-circulation cooled wet disc brakes
- **Care Cab** – pressurized cab with high comfort and safety
- **Contronic** monitoring system
- Pilot-operated working hydraulics

Optional Equipment

- Hydraulic attachment bracket
- Long Boom
- Boom Suspension
- Comfort Drive Control

VOLVO BM

Document Title: Description	Function Group: 000	Information Type: Service Information	Date: 8/13/2020
Profile:			

Description

Both the L150 and the L180 are four-wheel drive loaders with articulated frame steering.

The engine in the L150 is a six-cylinder, four-stroke direct-injection, turbocharged diesel engine with the type designation TD102. In the L180 the engine is also a six-cylinder, four-stroke direct-injection, turbocharged diesel engine, but its type designation is TD122.

The transmission is a hydro-mechanical gearbox, where all gear wheels are in constant mesh. The transmission in the L150 has the type designation HT210 and in L180 the designation of the transmission is HT220.

A single-stage hydraulic torque converter is fitted between the engine and the transmission.

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

The parking and service brakes of the machine are disc type brakes running in oil. The parking brake is positioned on the output shaft of the transmission and the service brakes are built integral with the respective planetary hub gears.

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



Figure 1
Loader L150



Figure 2
Loader L180

Document Title: Product Identification Plates L150	Function Group: 000	Information Type: Service Information	Date: 8/13/2020
Profile:			

Product Identification Plates L150

The illustration below shows where the different identification plates are positioned. When ordering spare parts or when making inquiries by telephone or correspondence on service matters, the type designation and the serial number should always be stated.

Where applicable, any information on the additional plate "INCL. PARTS" should also be stated.

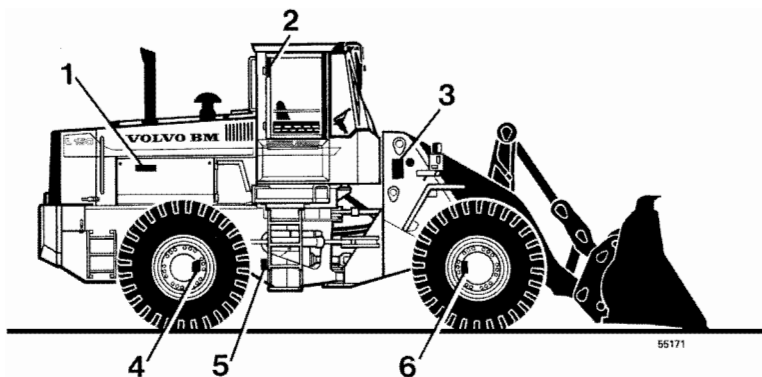


Figure 1
Product identification plates L150

1	Engine (right-hand side of machine). Engine type, product and serial numbers stamped into the cylinder block near the upper edge.
2	Cab (rear right corner post) showing type approval and serial number.
3	Product identification plate for complete machine (left side of machine) showing type designation, product and serial numbers and equipment. The type designation and serial number are also stamped into the front frame.
4	Rear axle (left side, forward) showing product and serial numbers.
5	Transmission (right side) showing product and serial numbers.
6	Front axle (right side rearward) showing product and serial numbers.

Document Title: Product Identification Plates L180	Function Group: 000	Information Type: Service Information	Date: 8/13/2020
Profile:			

Product Identification Plates L180

The illustration below shows where the different identification plates are positioned. When ordering spare parts or when making inquiries by telephone or correspondence on service matters, the type designation and the serial number should always be stated.

Where applicable, any information on the additional plate "INCL. PARTS" should also be stated.

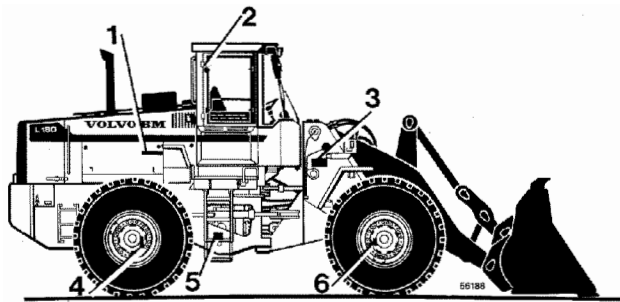


Figure 1

Product identification plates L180

1	Engine (right-hand side of machine). Engine type, product and serial numbers stamped into the cylinder block near the upper edge.
2	Cab (rear right corner post) showing type approval and serial number.
3	Product identification plate for complete machine (left side of machine) showing type designation, product and serial numbers and equipment. The type designation and serial number are also stamped into the front frame.
4	Rear axle (left side, forward) showing product and serial numbers.
5	Transmission (right side) showing product and serial numbers.
6	Front axle (right side rearward) showing product and serial numbers.

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