



# VOLVO BM L180 CO



- **Engine output gross:**  
SAE J1349 211 kW (289 hp)
- **Operating weight:**  
23,4-28,5 t (51 600-62 800 lb)
- **Buckets:**  
4,2-14,0 m<sup>3</sup> (5,5-18,3 yd<sup>3</sup>)

***The high-capacity loader for the tough jobs***

- **Torque Parallel Linkage** –  
Powerful lift-arm system with:
  - unique breakout moment
  - excellent parallel lift-arm action
  - high lift height and long reach
- Direct-injected, turbocharged Volvo diesel
- Automatic Power Shift
- Enclosed wet oil-cooled brakes
- **Care Cab** – the cab with great comfort and safety
- Precision steering with good stability and maneuverability
- **Contronic** monitoring system
  - Pilot-operated hydraulic system
  - Hydraulic attachment bracket

**VOLVO BM**

Document Title: <b>Description</b>	Function Group: <b>000</b>	Information Type: <b>Service Information</b>	Date: <b>8/13/2020</b>
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



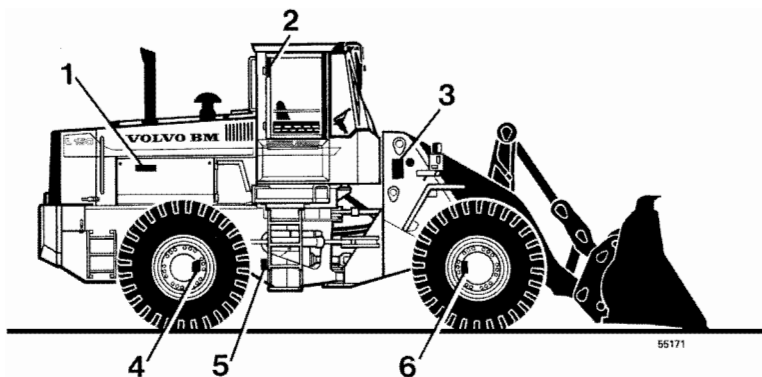
**Figure 2**  
Loader L180

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

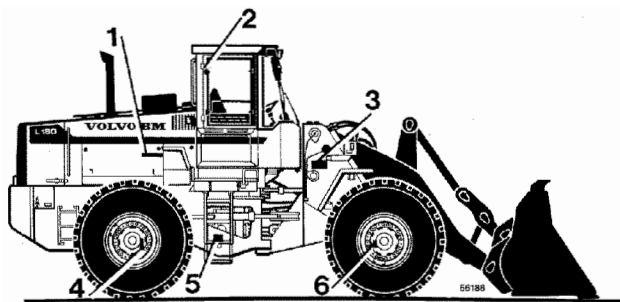
1	Engine (right-hand side of machine). Engine type, product and serial numbers stamped into the cylinder block near the upper edge.
2	Cab (rear right corner post) showing type approval and serial number.
3	Product identification plate for complete machine (left side of machine) showing type designation, 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: <b>Product Identification Plates L180</b>	Function Group: <b>000</b>	Information Type: <b>Service Information</b>	Date: <b>8/13/2020</b>
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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