

Document Title: <b>Description, complete machine</b>	Function Group: <b>000</b>	Information Type: <b>Service Information</b>	Date: <b>3/5/2025</b>
Profile: <b>A25G Volvo</b>			

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## Complete machine, descriptions

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A25G Volvo	Braås	340001	341999
A25G Volvo	Pederneiras	740001	741999

The machine consists of two main sections, the tractor unit and the load unit. The two units are joined by the frame joint, which allows movement about a vertical bearing for steering. The frame joint also allows twisting of the units in relation to each other along a horizontal axis.

### Engine

The machine is equipped with a straight six cylinder, four-stroke, turbocharged diesel engine with direct injection and intercooler (charge-air cooler). The engine has an overhead camshaft and one unit injector per cylinder. The cylinder head is common for all cylinders and has four valves per cylinder.

#### D11L (machine model G)

The engine meets the emission requirements for US Tier 4 Final and California Tier 4 Final as well as EU's Stage IV. The engine requires fuel with low sulphur content and is equipped with an exhaust aftertreatment system (EATS), which consists of a catalyst (catalytic converter) and injection of AdBlue®/DEF. The system is monitored and controlled by the aftertreatment control module (ACM).

#### D11F (machine model F)

The engine meets emission requirements for Stage II. The engine can handle fuels with higher sulphur content than engine D11L.

### Electrical system

Machine model G has eight control units (ECU).

Machine model F has six control units (ECU).

- **V-ECU**  
Located on the left side in the cab in front of the circuit board. The V-ECU is the upper of the two ECUs. Handles brakes, gearshifting, steering, and cooling fan control on the machine.
- **V2-ECU**  
Located on the left side in the cab in front of the circuit board. The V2-ECU is the lower of the two ECUs. Handles dumping system, brake cooling system, ATC, and differential locks.
- **W-ECU**  
Located on the left side in the cab over the circuit board. Handles CareTrack. (Telematic system for remote monitoring of information from the machine).
- **HMIM**  
Located on the left side in the cab over the circuit board. Handles information for the operator via instrumentation, information display unit, warning lights, and instruments.
- **ECC**  
Located in the cab on the right side under the gear selector. Handles the climate control system.

**Only applies to machine model G:**

[Sample of manual. Download All 7233 pages at:](#)

<https://www.arepairmanual.com/downloads/volvo-a25g-articulated-haulers-service-repair-manual/>

○ **ECM (E-ECU)**

Located on the left side of the engine.

Handles the engine.

○ **ACM**

Located under the engine hood on the leading edge of the right front fender.

Handles the exhaust aftertreatment system.

○ **Engine Gateway**

Located on the front cab wall under the left instrument panel.

Handles communication between the engine system and the machine system.

**Only applies to machine model F:**

○ **E-ECU**

Located on the left side of the engine.

Handles the engine.

**Power transmission**

The **transmission** is fully automatic and of the planetary gear type. It has a torque converter with free-wheel stator and automatic direct clutch (Lock-up) in all gears. The machine has six forward gears and two reverse gears.

The **dropbox** has a differential of the dog-clutch type which distributes torque equally between the front axle and rear axles, reducing tire and road wear, as well as fuel consumption. The longitudinal differential features a lock function.

**ATC**, Automatic Traction Control, automatically controls engagement and disengagement of the longitudinal differential lock and 6-wheel drive as needed.

The **drive axles** are equipped with a differential of dog-clutch type and planetary gear hub reductions. All drive axles have a differential lock.

**Brake system**

**Engine brake**

Depending on setting of switches, an engine brake is available to reduce wear of the brakes.

**Service brake**

The machine is equipped with 2-circuit, fully hydraulically controlled, and self-adjusting wet brakes, one brake circuit for the tractor unit and one for the load unit. The brake units consist of fully sealed, oil-cooled disc brakes with external cooling.

The brake system and hydraulic system have a common oil tank. The brake cooling system has a separate oil tank.

**Parking brake**

The parking brake is of the self-adjusting spring brake type and acts on the propeller shaft for the two front axles.

The longitudinal differential lock in the dropbox is engaged at the same time as the parking brake is applied, which means that the propeller shafts lock the front axle and the front bogie axle. The parking brake has a separate compressed air circuit for brake release.

**Steering system**

The steering system is self-compensating, hydromechanical with secondary steering function. A ground-dependent pump on the dropbox means that the steering works even if the engine stops.

**Suspension**

**GHS (Gas Hydraulic Suspension)**

The machine's tractor unit features GHS (Gas Hydraulic Suspension) on the front axle; two hydraulic cylinders filled with oil and nitrogen gas. The cylinders act as both springs and shock absorbers.

Machines with GHS can lean sideways a little, depending on the individual wheel suspension and uneven weight distribution due to how much fuel there is in the diesel tank.

**Cab**

The cab features an automatically controlled heating and ventilation system with defroster system for the windows. Air conditioning is available as an option. The cab has three emergency exits, the door and the front side windows on both right and left side. These are broken with the hammer in the cab if evacuation is necessary that way.

**FOPS and ROPS**

The cab is approved as a protective cab according to FOPS and ROPS standards, see page [CE-marking, EMC-directive](#). FOPS is an abbreviation of Falling Objects Protective Structure (roof protection) and ROPS is an abbreviation of Roll Over Protective Structure (roll over protection).

If any part of the cab's protective design features is affected by plastic deformation or cracks, the cab must be replaced immediately.

Sample of manual. Download All 7233 pages at:

<https://www.arepairmanual.com/downloads/volvo-a25g-articulated-haulers-service-repair-manual/>

Never make any unauthorized changes to the cab, e.g., lowering the roof height, drilling, welding on of brackets for fire extinguishers, radio antenna, or other equipment without first discussing the modifications, via a dealer, with personnel at Volvo CE's design and engineering department. They will decide if the modification can lead to the approval becoming invalid.

### **Hydraulics**

The hydraulic system consists of five hydraulic pumps of piston type, with continuous variable displacement. There are two pumps for the steering and dumping system, two for fan drive, and one ground-dependent hydraulic pump mounted on the dropbox. The radiator's fan pump also supplies the brake system with flow via a hydraulic valve that switches between brake charging and fan drive/brake cooling. The ground-dependent pump delivers oil, via a non-return valve, to the steering system when the machine is rolling forwards.

### **Dumping system**

The machine features an electric dump lever which sends an electric signal to two electro-hydraulic valves. These send a hydraulic signal to the dumping valve which controls the load body's movement. The machine has damping at the upper and lower load body positions.

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## Complete machine, descriptions

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Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A25G Volvo	Braås	322001	329999
A25G Volvo	Braås	332001	339999
A25G Volvo	Braås	342001	349999
A25G Volvo	Braås	352001	359999
A25G Volvo	Pederneiras	722001	729999
A25G Volvo	Pederneiras	732001	739999
A25G Volvo	Pederneiras	742001	749999
A25G Volvo	Pederneiras	752001	759999

The machine consists of two main sections, the tractor unit and the load unit. The two units are joined by the frame joint, which allows movement about a vertical bearing for steering. The frame joint also allows twisting of the units in relation to each other along a horizontal axis.

### Engine

The machine is equipped with a straight six cylinder, four-stroke, turbocharged diesel engine with direct injection and intercooler (charge-air cooler). The engine has an overhead camshaft and each cylinder has one unit injector. The cylinder head is common for all cylinders and has four valves per cylinder.

#### D11L, D11M

The engine complies with US Tier 4 final and California Tier 4 final emission requirements and EU Stage IV emission requirements.

Engines intended for EU and built after 1 January 2019 comply with the EU Stage V emission requirements.

These require low sulphur content in the fuel.

The engine features external, cooled exhaust gas recirculation (EGR) and an exhaust aftertreatment system (EATS).

EATS consists of a diesel particulate filter (DPF), catalyst, and injection of AdBlue®/DEF. The system has a built-in cleaning function, regeneration, which uses increased temperature to clean the EATS.

EATS is monitored and controlled by the aftertreatment control module (ACM).

#### D11 E

The engine only applies to the markets in Brazil, LAM, and China.

#### D11F

The engine meets emission requirements for Stage II. The engine can handle fuels with higher sulphur content than the D11L/D11M engine.

### Electrical system

Machines with engine alternative D11L have eight control units (ECU).

Machines with engine alternative D11F have six control units (ECU).

- **V-ECU**  
Located on the left side in the cab in front of the circuit board. The V-ECU is the upper of the two ECUs. Handles brakes, gearshifting, steering, and cooling fan control on the machine.
- **V2-ECU**

Located on the left side in the cab in front of the circuit board. The V2-ECU is the lower of the two ECUs. Handles dumping system, brake cooling system, ATC, and differential locks.

○ **W-ECU**

Located on the left side in the cab over the circuit board.

Handles CareTrack. (Telematic system for remote monitoring of information from the machine.)

○ **HMIM**

Located on the left side in the cab over the circuit board.

Handles information for the operator via instrumentation, information display unit, warning lights, and instruments.

○ **ECC**

Located in the cab on the right side under the gear selector.

Handles the climate control system.

**Only applies to machines with engine alternative D11L/D11M:**

○ **ECM (E-ECU)**

Located on the left side of the engine.

Handles the engine.

○ **ACM**

Located under the engine hood on the leading edge of the right front fender.

Handles the exhaust aftertreatment system.

○ **Engine Gateway**

Located on the front cab wall under the left instrument panel.

Handles communication between the engine system and the machine system.

**Only applies to machines with engine alternative D11F:**

○ **E-ECU**

Located on the left side of the engine.

Handles the engine.

**Only applies to machines with engine alternative D11E:**

○ **E-ECU**

Located on the left side of the engine.

Handles the engine

○ **Engine Gateway**

Located on the front cab wall under the left instrument panel.

Handles communication between the engine system and the machine system.

**Power transmission**

The **transmission** is fully automatic and of the planetary gear type. It has a torque converter with free-wheel stator and automatic direct clutch (Lock-up) in all gears. The transmission has six forward gears and two reverse gears.

The **dropbox** has a differential type which distributes torque equally between the front axle and rear axles, reducing tire and road wear, as well as fuel consumption. The longitudinal differential features a lock function.

**ATC**, Automatic Traction Control, automatically controls engagement and disengagement of the longitudinal differential lock and 6-wheel drive as needed.

The **drive axles** are equipped with a differential and planetary gear hub reductions. All drive axles have differential lock.

**Brake system**

**Engine brake**

Depending on setting of switches, an engine brake is available to reduce wear of the brakes.

**Service brake**

The service brake is operated hydraulically. All wheel axles are equipped with sealed, wet multi-disc brakes and external oil cooler.

The brake system and hydraulic system have a common oil tank. The brake cooling system has a separate oil tank.

**Parking brake**

The hydraulic parking brake acts on the propeller shaft to the front bogie axle, and on the front axle as well through the dropbox.

The longitudinal differential lock in the dropbox is engaged at the same time as the parking brake is applied, which means

that the propeller shaft locks the front axle and the front bogie axle.

### **Steering system**

The steering system is self-compensating, hydromechanical with secondary steering function. A ground-dependent pump on the dropbox means that the steering works even if the engine stops as long as the machine is rolling forward.

### **Suspension**

#### **GHS (Gas Hydraulic Suspension)**

The machine's tractor unit features GHS (Gas Hydraulic Suspension) on the front axle; two hydraulic cylinders filled with oil and nitrogen gas. The cylinders act as both springs and shock absorbers.

Machines with GHS can lean sideways a little, depending on the individual wheel suspension and uneven weight distribution due to how much fuel there is in the diesel tank.

### **Cab**

The cab features an automatically controlled heating and ventilation system with defroster system for the windows. Air conditioning is standard. The cab has three emergency exits, the door and the front side windows on both right and left side. These are broken with the hammer in the cab if evacuation is necessary that way.

### **FOPS and ROPS**

The cab is approved as a protective cab according to FOPS and ROPS standards, see page [CE-marking, EMC-directive](#). FOPS is an abbreviation of Falling Objects Protective Structure (roof protection) and ROPS is an abbreviation of Roll Over Protective Structure (roll over protection).

If any part of the cab's protective design features is affected by plastic deformation or cracks, the cab must be replaced immediately.

Never make any unauthorized changes to the cab, e.g., lowering the roof height, drilling, welding on of brackets for fire extinguishers, radio antenna, or other equipment without first discussing the modifications, via a dealer, with personnel at Volvo CE's design and engineering department. They will decide if the modification can lead to the approval becoming invalid.

### **Hydraulics**

The hydraulic system consists of five hydraulic pumps of piston type, with continuous variable displacement. Two of these pumps are used for the steering and dumping system, two for fan drive, and one is a ground-dependent hydraulic pump mounted on the dropbox. The radiator's fan pump also supplies the brake system with flow via a hydraulic valve that switches between brake charging and fan drive. The ground-dependent pump delivers oil, via a non-return valve, to the steering system when the machine is rolling forward.

### **Dumping system**

The machine features an electric dump lever which sends an electric signal to two electro-hydraulic valves. These send a hydraulic signal to the dumping valve which controls the load body's movement. The machine has damping at the upper and lower load body positions.

Document Title: <b>Product identification plates</b>	Function Group: <b>000</b>	Information Type: <b>Service Information</b>	Date: <b>3/5/2025</b>
Profile: <b>A25G Volvo</b>			

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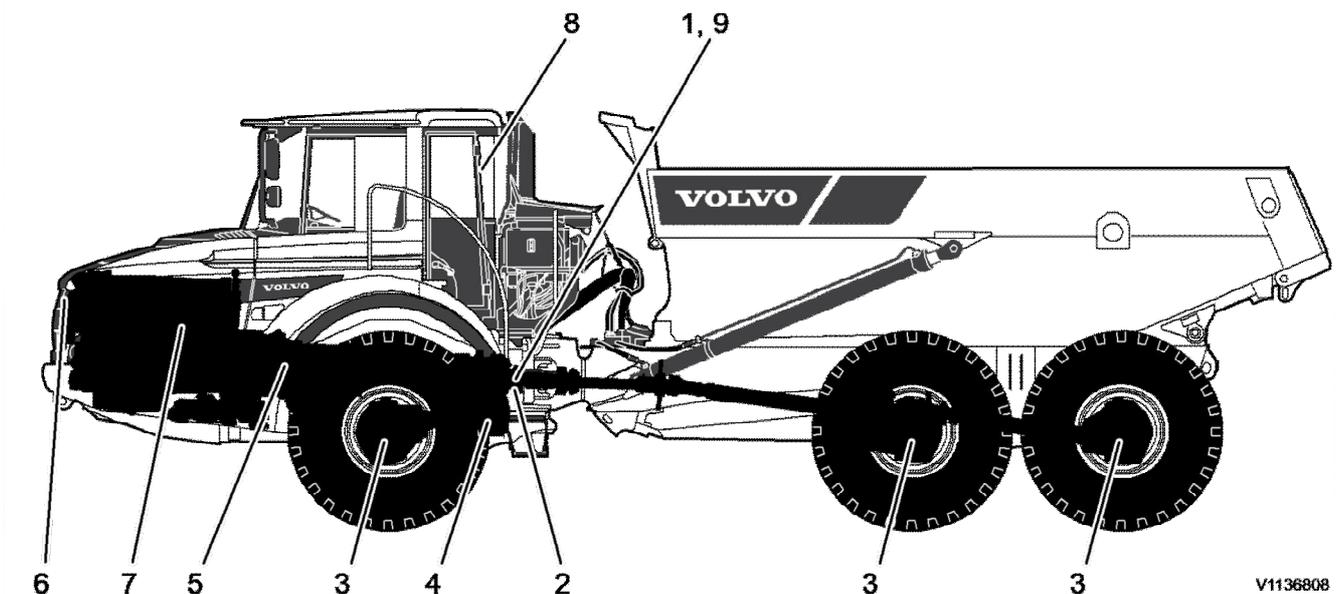
## Product plates

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A25G Volvo	Braås	340001	341999
A25G Volvo	Pederneiras	740001	741999

The illustration and text below show the product plates that should be found on the machine.

When ordering spare parts and when making enquiries by telephone or correspondence, the model designation and **Product Identification Number (PIN)** should be stated.



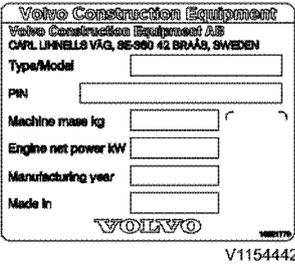
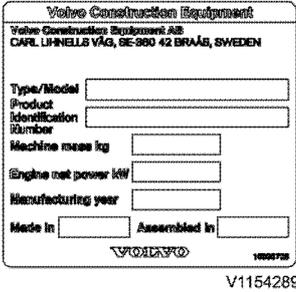
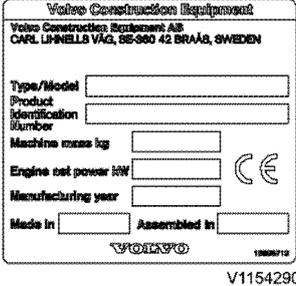
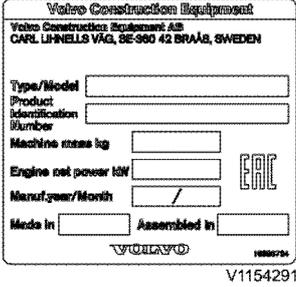
**Figure 1**

- The product plate (see detailed figure below) is located on the left side of the tractor unit's frame by the steering joint and includes:
  - manufacturer's name and address
  - model/type number for complete machine
  - **Product Identification Number (PIN)**
  - machine weight (machine's most common configuration +10%)
  - engine power
  - year of manufacture
  - month of manufacture (only countries within Eurasian Customs Union)

- country of manufacture
- assembled
- space for CE-mark (only countries within EU/EEC) or EAC-mark (only countries within Eurasian Customs Union)

2. The machine's serial number is stamped into the frame on the left side of the tractor unit, by the steering joint.
3. The drive axles' serial numbers are located on the axle housing.
4. The dropbox's serial number is located at the front, on its right side.
5. The transmission's type designation and serial number are located on its left side.
6. The decal "Important Engine Information" is located on the front of the engine and on the left side of the tractor unit's frame by the steering joint.
7. The engine's type designation, part number, and serial number are stamped into the engine on both sides.
8. Cab type, type approval, and serial number are located on the left side in the cab, on the pillar to the left of the door (seen from inside the cab), closest to the rear window.
9. Engine and exhaust decal with the engine's type designation and component number.

## Product plate

Version A	Version B
 <p><b>Figure 2</b> Worldwide</p>	 <p><b>Figure 3</b> Worldwide</p>
	 <p><b>Figure 4</b> Countries within EU/EEC</p>
	 <p><b>Figure 5</b> Countries within Eurasian Customs Union</p>

Document Title: <b>Product identification plates</b>	Function Group: <b>000</b>	Information Type: <b>Service Information</b>	Date: <b>3/5/2025</b>
Profile: <b>A25G Volvo</b>			

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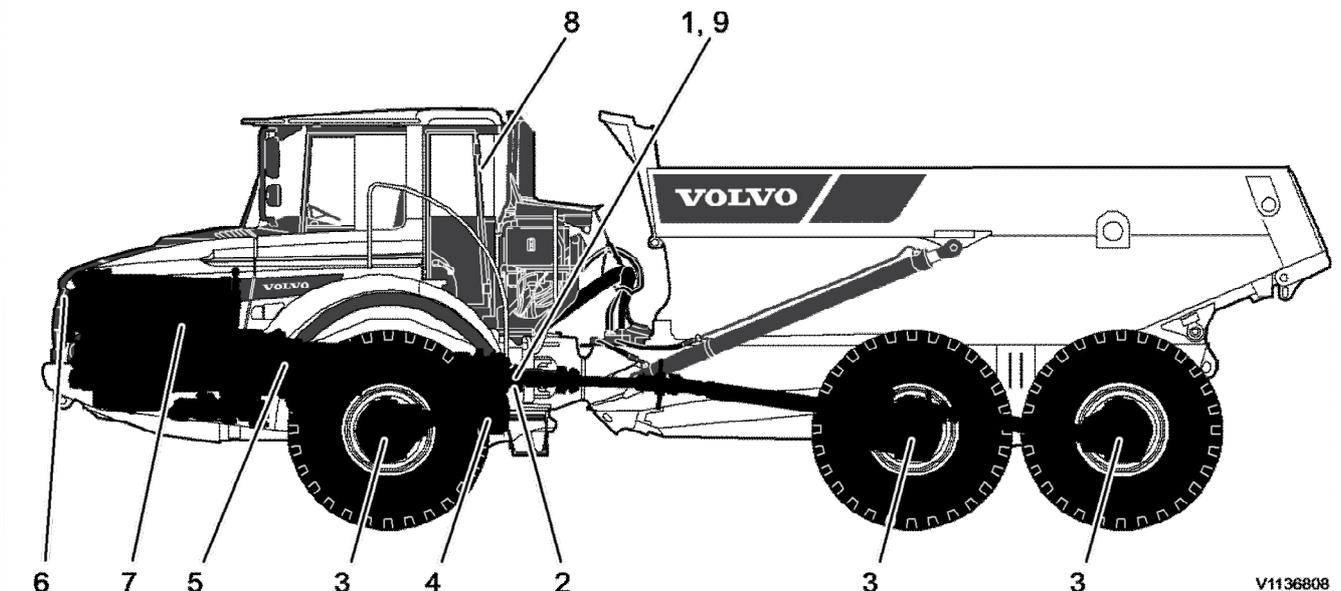
## Product plates

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A25G Volvo	Braås	322001	329999
A25G Volvo	Braås	332001	339999
A25G Volvo	Braås	342001	349999
A25G Volvo	Braås	352001	359999
A25G Volvo	Pederneiras	722001	729999
A25G Volvo	Pederneiras	732001	739999
A25G Volvo	Pederneiras	742001	749999
A25G Volvo	Pederneiras	752001	759999

The illustration and text below show the product plates that should be found on the machine.

When ordering spare parts and when making enquiries by telephone or correspondence, the model designation and **Product Identification Number (PIN)** should be stated.



**Figure 1**

1. The data plate is located on the left side of the tractor unit's frame by the steering joint. The data plate varies depending on the market. The information is indicated as follows:

Volvo Construction Equipment  
 Volvo Construction Equipment AB  
 Carl Linnés väg, SE-365 41 Bräås, Sweden

Type/Model: \_\_\_\_\_

Product Name: \_\_\_\_\_

Product identification Number: \_\_\_\_\_

Machine mass kg: \_\_\_\_\_

Engine net power kW: \_\_\_\_\_

Manufacturing year: \_\_\_\_\_

Made in: \_\_\_\_\_ Assembled in: \_\_\_\_\_

**CE**

VOLVO 55044553

V1228478

**Figure 2**  
 Data plate for countries within the EU/EEC

- manufacturer's name and address
- type/model for complete machine
- product name
- **Product Identification Number (PIN)**
- machine weight (machine's most common configuration)
- motor power
- year of manufacture
- month of manufacture (only countries within Eurasian Customs Union)
- country of manufacture
- assembled

Volvo Construction Equipment  
 Volvo Construction Equipment AB  
 Carl Linnés väg, SE-365 41 Bräås, Sweden

Type/Model: \_\_\_\_\_

Product Name: \_\_\_\_\_

Product identification Number: \_\_\_\_\_

Machine mass kg: \_\_\_\_\_

Engine net power kW: \_\_\_\_\_

Manufacturing year: \_\_\_\_\_

Made in: \_\_\_\_\_ Assembled in: \_\_\_\_\_

**UK CA**

VOLVO Importer: YFS Ltd, Widdow's Lane, Widdow, CV34 5YA, Great Britain 5627471

V1228602

**Figure 3**  
 UKCA identification plate

Volvo Construction Equipment  
 Volvo Construction Equipment AB  
 Carl Linnés väg, SE-365 41 Bräås, Sweden

Type/Model: \_\_\_\_\_

Product Name: \_\_\_\_\_

Product identification Number: \_\_\_\_\_

Machine mass kg: \_\_\_\_\_

Engine net power kW: \_\_\_\_\_

Manuf. year/Month: \_\_\_\_\_ / \_\_\_\_\_

Made in: \_\_\_\_\_ Assembled in: \_\_\_\_\_

**EAC**

VOLVO 55044509

V1228586

**Figure 4**  
 Data plate for countries within Eurasian Customs Union

Volvo Construction Equipment  
 Volvo Construction Equipment AB  
 Carl Linnés väg, SE-365 41 Bräås, Sweden

型式/型号: 自卸车/

产品系列名称: \_\_\_\_\_

产品识别代码: \_\_\_\_\_

整机重量 kg: \_\_\_\_\_

发动机净功率 kW: \_\_\_\_\_

生产年: \_\_\_\_\_

生产地: 瑞典 组装地: \_\_\_\_\_

VOLVO 55044556

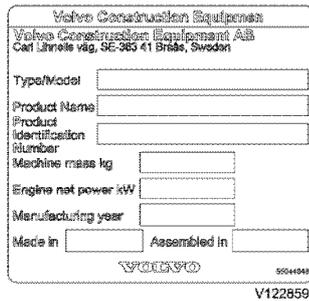
V1228597

**Figure 5**  
Data plate for China



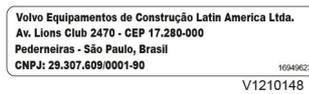
V1187107

**Figure 6**  
Additional eco label for China



V1228596

**Figure 7**  
Data plate for rest of the world



V1210148

**Figure 8**  
Additional sign with Brazilian address

2. The machine's serial number is stamped into the frame on the left side of the tractor unit, by the steering joint.
3. The drive axles' serial numbers are located on the axle housing.
4. The dropbox's serial number is located at the front, on its right side.
5. The transmission's type designation and serial number are located on its left side.
6. The decal "Important Engine Information" is located on the front of the engine and on the left side of the tractor unit's frame by the steering joint.
7. The engine's type designation, part number, and serial number are stamped into the engine on both sides.
8. Cab type, type approval, and serial number are located on the left side in the cab, on the pillar to the left of the door (seen from inside the cab), closest to the rear window.
9. Engine and exhaust decal with the engine's type designation and component number.

Document Title: <b>Information and warning decals</b>	Function Group: <b>000</b>	Information Type: <b>Service Information</b>	Date: <b>3/5/2025</b>
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## Information and safety decals

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<b>Valid for serial numbers</b>			
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A25G Volvo	Pederneiras	740001	741999

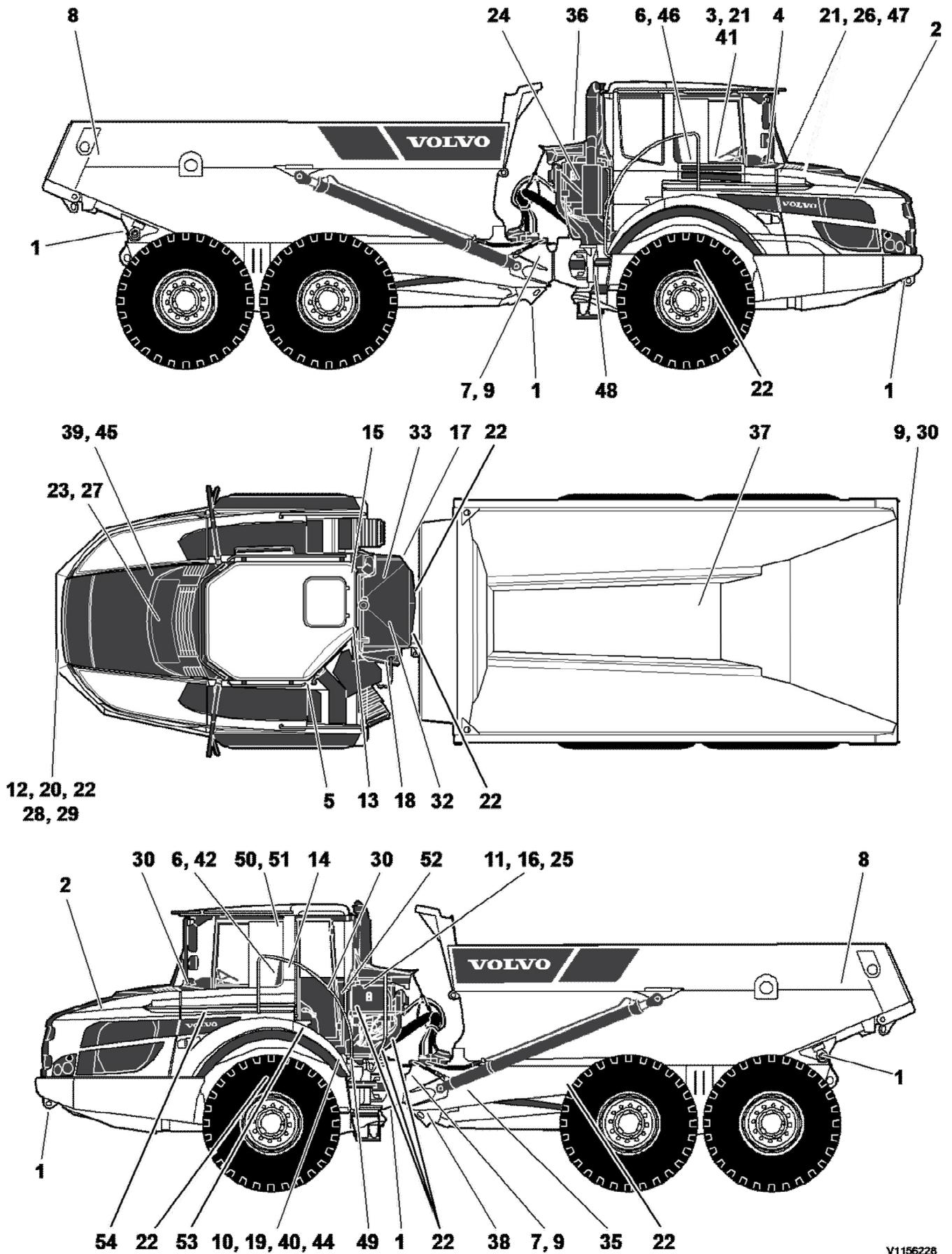
The operator should know, follow, and pay attention to warnings and information stated on decals and plates. All plates/decals are not installed on all machines since they are dependent on market and machine.

The decals must be kept free from dirt, so that they are legible and easy to understand. Decals/plates that have been lost, damaged, painted over, or no longer are legible for other reasons, must be replaced immediately.

The part number (order number) of the each plate/decals can be found in the Parts Catalogue.

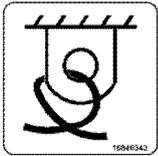
**NOTE!**

The text "WARNING" is stated on warning decals in North America.



V1156228

Figure 1



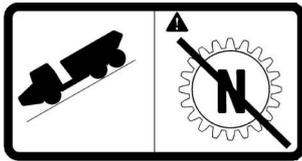
**Figure 2**

1. Attaching point for lashing  
Spare part number: 16846343



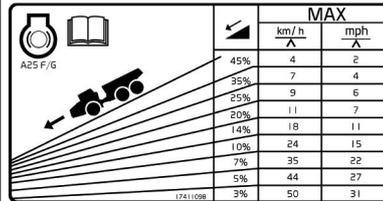
**Figure 3**

2. Avoid aiming water jets at sound absorbents  
Spare part number: 13935005



**Figure 4**

3. WARNING! Do not operate downhill with the gear selector in neutral. Only change gear with the accelerator released.  
Spare part number USA: 13935051  
Spare part number, all other markets: 15064504



**Figure 5**

4. Retarder diagram  
Spare part number A25F and A25G: 17411098  
Spare part number A30F and A30G: 17411100



**Figure 6**

5. Oil fill point transmission  
Spare part number: 11197518



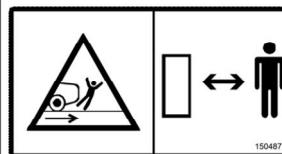
**Figure 7**

6. Emergency exit  
Spare part number: 11116814



**Figure 8**

7. WARNING! Risk of crushing – articulated frame steering  
Spare part number USA: 13935000  
Spare part number, all other markets: 15048526



**Figure 9**

8. WARNING! Do not stand within the work area of a reversing machine  
Spare part number USA: 15180541  
Spare part number, all other markets: 15048777



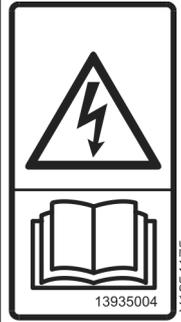
V1086549

**Figure 10**

9. WARNING! Do not lean in under raised load body unless it is blocked

Spare part number USA: 13935019

Spare part number, all other markets: 15048231



13935004

V1054175

**Figure 11**

NOTE! Only USA-market.

10. WARNING! Before connecting start cables, read the Operator's Manual

Spare part number USA: 13935004

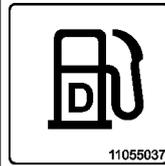


13935018  
V1086552

**Figure 12**

11. Hydraulic oil

Spare part number: 13935018



11055037

V1054186

**Figure 13**

12. Fuel

Spare part number: 11055037



V1054194

**Figure 14**

13. Sound pressure level (LpA) in cab

Spare part number 70 dB: 11180148

Spare part number 72 dB: 11180150

Spare part number 74 dB: 11180152



V1054192

**Figure 15**

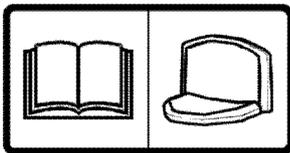
14. Sound power level (LWA) outside machine

Spare part number 110 dB: 11180165

Spare part number 111 dB: 11180166

Spare part number 108 dB (optional equipment): 11196588

Spare part number 109 dB (optional equipment): 11196589

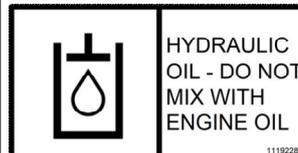


V1093411

**Figure 16**

15. Compartment for Operator's Manual

Spare part number: 15164402



11192288  
V1093347

**Figure 17**

NOTE! Only USA-market.

16. Hydraulic oil. Do not mix with engine oil.

Spare part number: 11192288



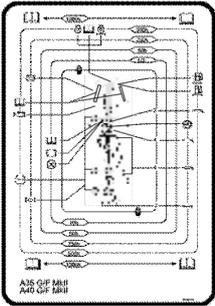
**Figure 18**

17. WARNING! Hot surfaces  
 Spare part number USA: 14531179  
 Spare part number, all other markets: 15048695



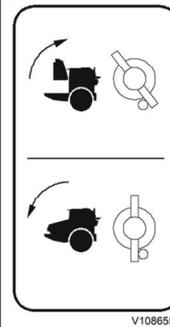
**Figure 19**

18. Oil fill point dropbox  
 Spare part number: 15170937



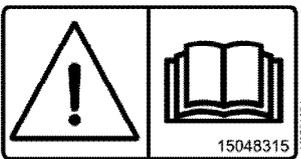
**Figure 20**

19. Service decal  
 Spare part number: 16872868



**Figure 21**

20. Engine hood  
 Spare part number: 11116228



**Figure 22**

21. Read the Operator's Manual  
 Spare part number USA: 13935003  
 Spare part number, all other markets: 15048315



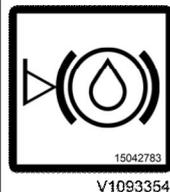
**Figure 23**

22. System/component with pressure  
 Spare part number: 4948092



**Figure 24**

23. WARNING! Hot coolant  
 Spare part number: 14526798

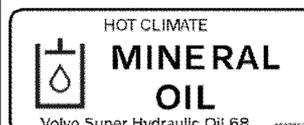


**Figure 25**

24. Brake cooling oil  
 Spare part number: 11116416



**Figure 26**



**Figure 27**

**Figure 26**

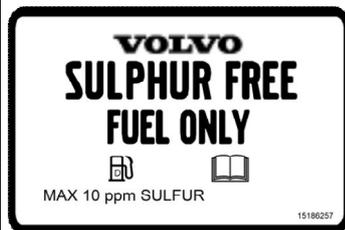
25. Synthetic ester  
Spare part number: 11411924



V1154730

**Figure 28**

26. Air conditioning filled with R134a. Opening pressure, safety valve (optional equipment)  
Spare part number: 16866171



**Figure 30**

28. Fuel decal  
Max 10 ppm SULFUR (only EU).  
Spare part number: 15186257

**Figure 27**

25. Mineral oil for warm climate  
Spare part number: 15079569



**Figure 29**

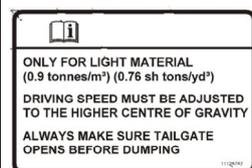
27. WARNING! Only use Volvo coolant VCS – read the Operator's Manual  
Spare part number: 11445056



V1093047

**Figure 31**

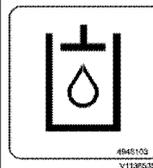
29. Fuel decal  
Max. 15 ppm SULPHUR (only USA).  
Spare part number: 15152938



V1095339

**Figure 32**

30. WARNING! The machine may not carry a heavier load than that which is stated on the decal (only on machines with body extensions for light materials).  
Spare part number: 11125767, 11125707



**Figure 33**

32. Hydraulic oil  
Spare part number: 4948103



**Figure 34**

33. Brake cooling oil  
Spare part number: 15042783

A25 F/G = 24,000 kg (53,000 lb)		A25 F/G = 24,000 kg (53,000 lb)	
Engine oil: 10.000 l (2.64 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 20.000 l (5.28 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 30.000 l (7.92 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 40.000 l (10.57 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 50.000 l (13.21 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 60.000 l (15.85 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 70.000 l (18.49 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 80.000 l (21.13 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 90.000 l (23.77 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 100.000 l (26.42 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 110.000 l (29.06 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 120.000 l (31.70 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 130.000 l (34.34 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 140.000 l (36.98 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 150.000 l (39.62 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 160.000 l (42.26 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 170.000 l (44.90 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 180.000 l (47.54 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 190.000 l (50.18 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 200.000 l (52.82 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 210.000 l (55.46 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 220.000 l (58.10 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 230.000 l (60.74 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 240.000 l (63.38 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 250.000 l (66.02 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 260.000 l (68.66 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 270.000 l (71.30 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 280.000 l (73.94 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 290.000 l (76.58 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 300.000 l (79.22 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 310.000 l (81.86 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 320.000 l (84.50 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 330.000 l (87.14 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 340.000 l (89.78 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 350.000 l (92.42 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 360.000 l (95.06 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 370.000 l (97.70 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 380.000 l (100.34 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 390.000 l (102.98 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 400.000 l (105.62 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 410.000 l (108.26 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 420.000 l (110.90 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 430.000 l (113.54 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 440.000 l (116.18 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 450.000 l (118.82 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 460.000 l (121.46 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 470.000 l (124.10 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 480.000 l (126.74 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 490.000 l (129.38 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)
Engine oil: 500.000 l (132.02 gal)	3174 (16.243 gal)	3174 (16.243 gal)	3174 (16.243 gal)

V1154635

**Figure 35**

35. Tire pressure

Spare part number A25F/A25G: 16896178

Spare part number A30F/A30G: 16896181



**Figure 36**

NOTE! Only USA-market.

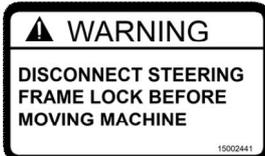
36. WARNING! High pressure in the brake system  
Spare part number: 4952166



**Figure 37**

NOTE! Only USA-market.

37. WARNING! Spring under high pressure  
Spare part number: 4952177



**Figure 38**

NOTE! Only USA-market.

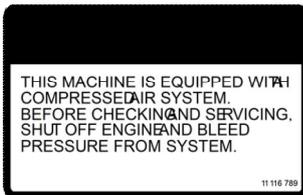
38. Disconnect the steering joint lock before moving the machine  
Spare part number: 15002441



**Figure 39**

NOTE! Only USA-market.

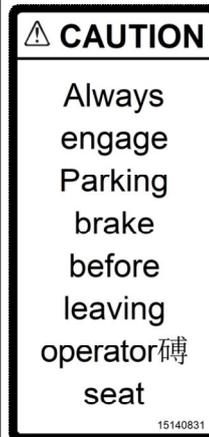
39. Do not use flammable gas in the air intake. Risk of fire.  
Spare part number: 11013034



**Figure 40**

NOTE! Only USA-market.

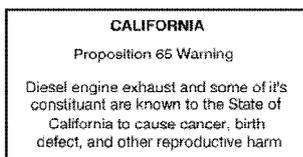
40. Information compressed air system. Turn off the engine and depressurize the systems before checking and servicing.  
Spare part number: 11116789



**Figure 41**

41. Apply the parking brake before leaving the operator's seat

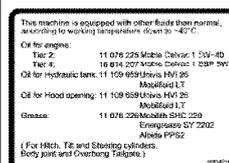
Spare part number: 15140831



**Figure 42**

NOTE! Only USA-market.

42. Information diesel exhausts



**Figure 43**

44. The machine is equipped with other fluids than normal for operating in temperatures down to -40°

Spare part number: 16814210

Spare part number: 11046865

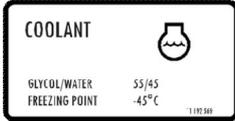


Figure 44

45. The machine has coolant with another mix ratio than normal for operating in temperatures down to -45 °C  
Spare part number: 11192569

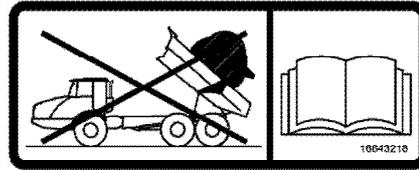
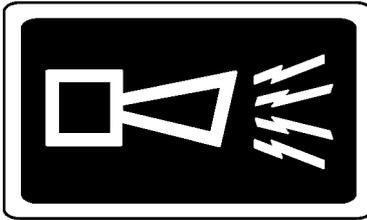


Figure 45

46. Overhung tailgate  
Spare part number USA: 16874397  
Spare part number, all other markets: 16843775



V1082252

Figure 46

47. Strobe light and sound  
Fire Suppression System (Optional equipment)  
Spare part number: 15126353

### FIRE SUPPRESSION SYSTEM

The agent tank contains Forrex fire suppression liquid.  
Working temperature from -30°C to +99°C.  
The agent tank type SV-K is pressurised upon release only.  
Handle the tank with care. The tank should be inspected and recharged according to the maintenance instructions.  
The tank should be handled by authorised personnel only.

Typ / Type	Storlek (liter) / Size (litre)					Arbetstryck / Working pressure
	5	10	12,5	15	20	
SV-K						20 bar

FILLING DATE CONTAINER

YEARLY INSPECTION CONTAINER

CE

REVISION DATE YEAR

13	14	15	16	17	18
19	20	21	22	23	24

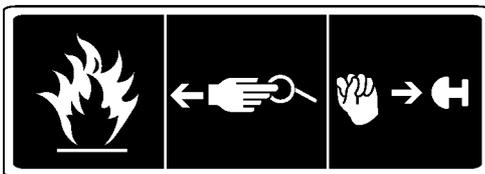
VOLVO

15149324

V1082254

Figure 47

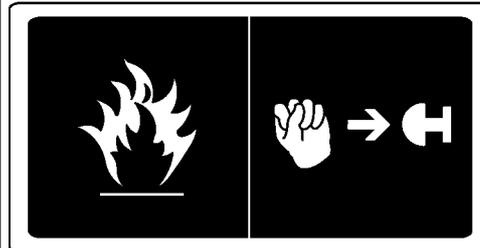
48. Extinguishing agent tank decal  
Fire Suppression System (Optional equipment)  
Spare part number: 15149324



V1082251

Figure 48

49. Manual activation  
Fire Suppression System (Optional equipment)  
Spare part number: 15126559



V1082325

Figure 49

50. Inner activation button  
Fire Suppression System (Optional equipment)  
Spare part number: 15126372



V1118495

**Figure 50**

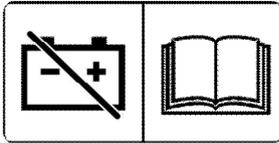
51. Battery disconnect  
Fire Suppression System (Optional equipment)  
Spare part number: 11026729



V1082253

**Figure 51**

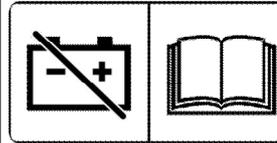
52. Handheld fire extinguisher  
Fire Suppression System (Optional equipment)  
Spare part number: 15126327



V1151528

**Figure 52**

53. Emergency switch  
Spare part number: 16892452



V1151528

**Figure 53**

54. Service switch  
Spare part number: 16892452

Document Title: <b>Information and warning decals</b>	Function Group: <b>000</b>	Information Type: <b>Service Information</b>	Date: <b>3/5/2025</b>
Profile: <b>A25G Volvo</b>			

[Go back to Index Page](#)

## Information and safety decals

Showing Selected Profile

<b>Valid for serial numbers</b>			
<b>Model</b>	<b>Production site</b>	<b>Serial number start</b>	<b>Serial number stop</b>
A25G Volvo	Braås	322001	329999
A25G Volvo	Braås	332001	339999
A25G Volvo	Braås	342001	349999
A25G Volvo	Braås	352001	359999
A25G Volvo	Pederneiras	722001	729999
A25G Volvo	Pederneiras	732001	739999
A25G Volvo	Pederneiras	742001	749999
A25G Volvo	Pederneiras	752001	759999

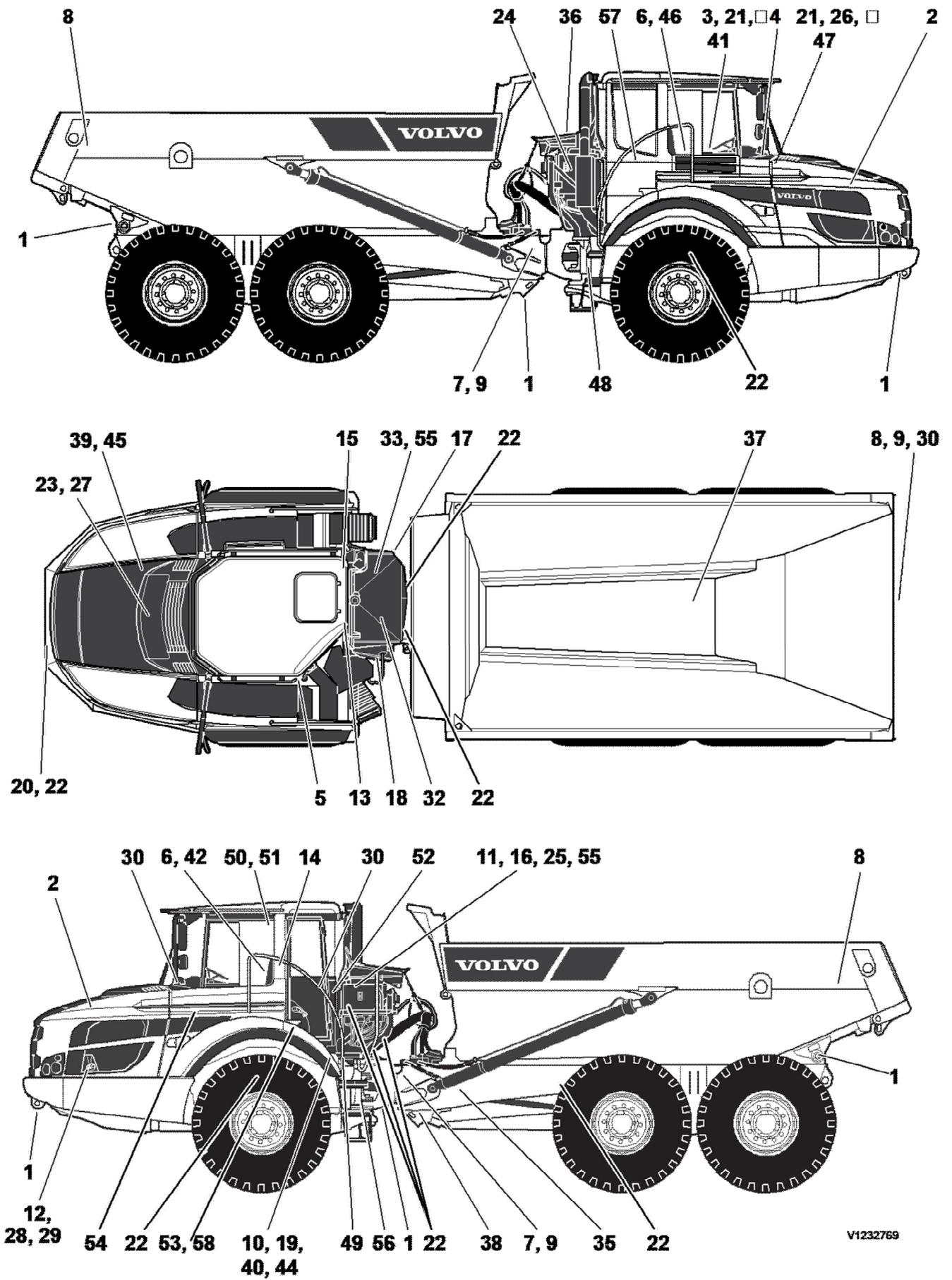
The machine operator should know and pay attention to the warnings and information on decals and plates. Decals may differ depending on the machine and the market.

The decals must be kept clean so that they can be read. Replace damaged, overpainted or missing decals and plates immediately.

The spare part number (order number) is shown on the decals/plates and in the part catalogue.

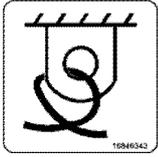
**NOTE!**

The text "WARNING" is shown on warning decals in North America.



V1232769

Figure 1



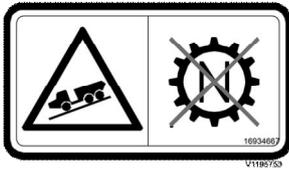
**Figure 2**

1. Attaching point for lashing  
Spare part number: 16846343



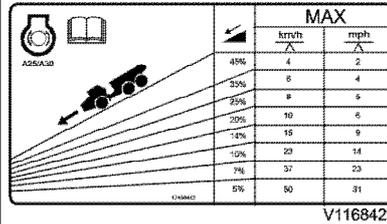
**Figure 3**

2. Avoid aiming water jets at sound absorbents  
Spare part number North America: 16929638  
Spare part number China: 16315803  
Spare part number, all other markets: 16929639



**Figure 4**

3. WARNING! Do not operate downhill with the gear selector in neutral. Only change gear with the accelerator released.  
Spare part number North America: 16929626  
Spare part number China: 16934522  
Spare part number, all other markets: 16934667



**Figure 5**

4. Retarder diagram  
Spare part number: 17450442



**Figure 6**

5. Oil fill point transmission  
Spare part number: 11197518



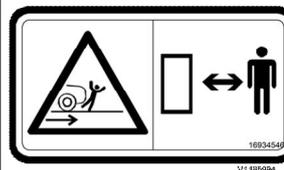
**Figure 7**

6. Emergency exit  
Spare part number: 11118814



**Figure 8**

7. WARNING! Risk of crushing – articulated frame steering  
Spare part number North America: 16929620  
Spare part number, all other markets: 16901162



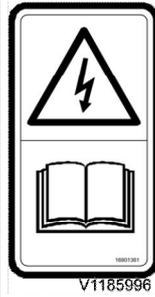
**Figure 9**

8. WARNING! Do not stand within the work area of a reversing machine  
Spare part number North America: 16929627  
Spare part number, all other markets: 16934546



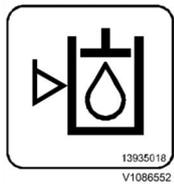
**Figure 10**

9. WARNING! Do not lean in under raised load body unless it is blocked  
 Spare part number North America: 16929625  
 Spare part number, all other markets: 16934539



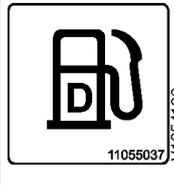
**Figure 11**

10. WARNING! Before connecting start cables, read the Operator's Manual  
 Spare part number North America: 16929621  
 Spare part number, all other markets: 16901361



**Figure 12**

11. Hydraulic oil  
 Spare part number: 13935018



**Figure 13**

12. Fuel  
 Spare part number: 11055037



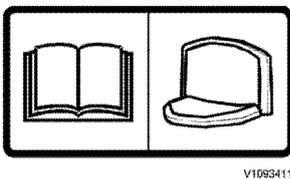
**Figure 14**

13. Sound pressure level (LpA) in cab  
 Spare part number 70 dB: 11180148  
 Spare part number 72 dB: 11180150



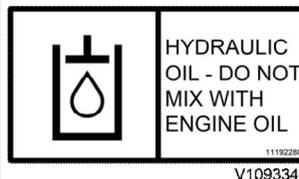
**Figure 15**

14. Sound power level (LwA) outside machine  
 Spare part number 110 dB: 11180165  
 Spare part number 111 dB: 11180166  
 Spare part number 108 dB (optional equipment): 11196588  
 Spare part number 109 dB (optional equipment): 11196589



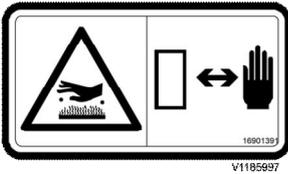
**Figure 16**

15. Compartment for Operator's Manual  
 Spare part number: 15164402



**Figure 17**

NOTE! Only North American market.  
 16. Hydraulic oil. Do not mix with engine oil.  
 Spare part number: 11192288



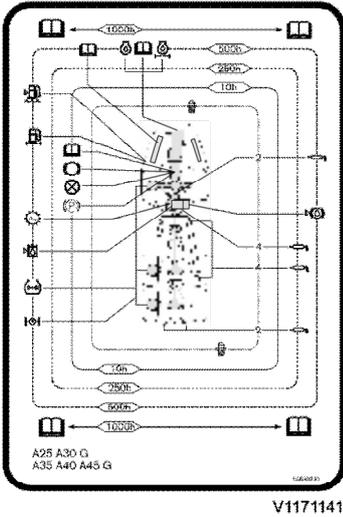
**Figure 18**

17. WARNING! Hot surfaces  
 Spare part number North America: 16929623  
 Spare part number, all other markets: 16901391



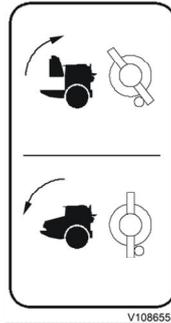
**Figure 19**

18. Oil fill point dropbox  
 Spare part number: 15170937



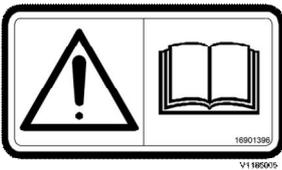
**Figure 20**

19. Service decal  
 Spare part number: 16893723



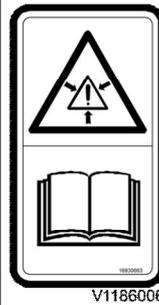
**Figure 21**

20. Engine hood  
 Spare part number: 11116228



**Figure 22**

21. Read the Operator's Manual  
 Spare part number North America: 16929624  
 Spare part number, all other markets: 16901396

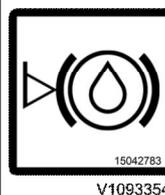


**Figure 23**

22. System/component with pressure  
 Spare part number North America: 16929633  
 Spare part number, all other markets: 16930663



V1228468



**Figure 25**

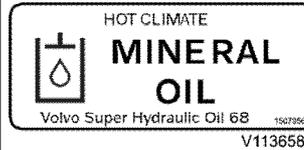
**Figure 24**

23. WARNING! Hot coolant  
Spare part number North America: 16948457  
Spare part number, all other markets: 16943076

24. Brake cooling oil  
Spare part number: 11116416



V1093357



V1136586

**Figure 26**

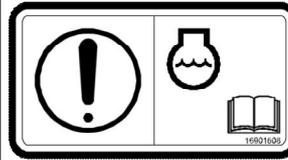
25. Synthetic ester  
Spare part number: 11411924

**Figure 27**

25. Mineral oil for warm climate  
Spare part number: 15079569



V1215618



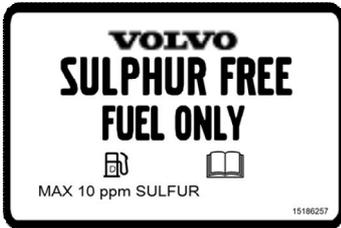
V1186037

**Figure 28**

26. The air conditioning system is filled with R134a.  
Spare part number: 16354765

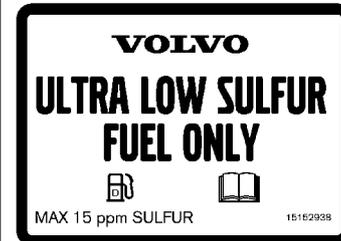
**Figure 29**

27. WARNING! Only use Volvo coolant VCS – read the Operator's Manual  
Spare part number North America: 16902967  
Spare part number, all other markets: 16901608



**Figure 30**

28. Fuel decal  
Max. 10 ppm SULPHUR (only EU).  
Spare part number: 15186257



V1093047

**Figure 31**

29. Fuel decal  
Max. 15 ppm SULPHUR (only North America).  
Spare part number: 15152938



V1186008



4948103  
V1136035

**Figure 33**

32. Hydraulic oil  
Spare part number: 4948103

**Figure 32**

30. WARNING! The machine may not carry a heavier load

than that which is stated on the decal (only on machines with body extensions for light materials).  
Spare part number: 16929637, 16929636



**Figure 34**

33. Brake cooling oil  
Spare part number: 15042783

A25G ≈25,000 kg (55,000 lb)			
Bridgestone 23.5 R25 VLT	400 kPa (58.0 psi)	450 kPa (65.0 psi)	
Bridgestone 23.5 R25 VLTS	400 kPa (58.0 psi)	450 kPa (65.0 psi)	
Bridgestone 750/65 R25 VLT	375 kPa (54.5 psi)	400 kPa (58.0 psi)	
Bridgestone 750/65 R25 VLTS	375 kPa (54.5 psi)	400 kPa (58.0 psi)	
Goodyear 23.5 R25 GP-4D	375 kPa (54.5 psi)	400 kPa (58.0 psi)	
Goodyear 23.5 R25 TL-3A+	375 kPa (54.5 psi)	400 kPa (58.0 psi)	
Goodyear 750/65 R25 TL-3A+	300 kPa (44.0 psi)	325 kPa (47.0 psi)	
Michelin 23.5 R25 XADN+	375 kPa (54.5 psi)	425 kPa (61.5 psi)	
Michelin 23.5 R25 XTRA DEF.	325 kPa (47.0 psi)	400 kPa (58.0 psi)	
Michelin 750/65 R25 XAD65-1	325 kPa (47.0 psi)	375 kPa (54.5 psi)	
Michelin 750/65 R25 XTRA DEF.	275 kPa (40.0 psi)	325 kPa (47.0 psi)	
Yokohama 23.5 R25 RT31	375 kPa (54.5 psi)	425 kPa (61.5 psi)	

V1223859

**Figure 35**

35. Tyre pressure  
Spare part number A25G: 54656534  
Spare part number A30G: 54656542



V1186009

**Figure 36**

NOTE! Only North American market.  
36. WARNING! High pressure in the brake system  
Spare part number: 16929630



**Figure 37**

NOTE! Only North American market.  
37. WARNING! Spring under high pressure  
Spare part number: 4952177



V1186011

**Figure 38**

NOTE! Only North American market.  
38. Disconnect the steering joint lock before moving the machine  
Spare part number: 16929628

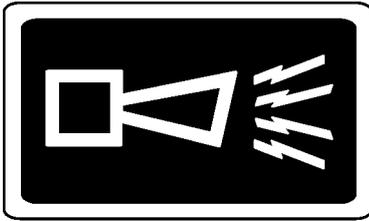


V1186012

**Figure 39**

NOTE! Only North American market.  
39. Do not use flammable gas in the air intake. Risk of fire.  
Spare part number: 16929629

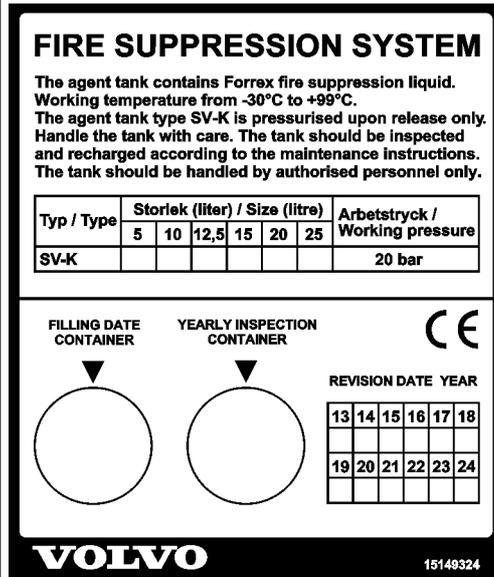




V1082252

**Figure 46**

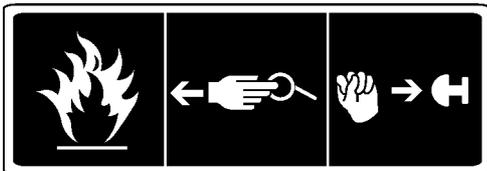
47. Strobe light and sound  
 Fire Suppression System (Optional equipment)  
 Spare part number: 15126353



V1082254

**Figure 47**

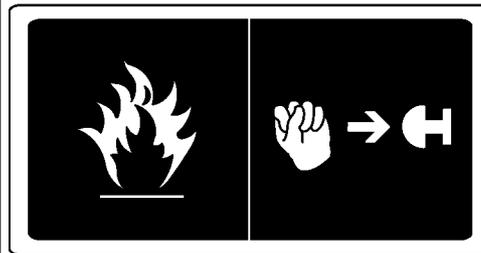
48. Extinguishing agent tank decal  
 Fire Suppression System (Optional equipment)  
 Spare part number: 15149324



V1082251

**Figure 48**

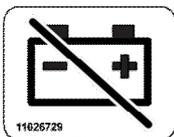
49. Manual activation  
 Fire Suppression System (Optional equipment)  
 Spare part number: 15126559



V1082325

**Figure 49**

50. Inner activation button  
 Fire Suppression System (Optional equipment)  
 Spare part number: 15126372



11026729

V1118495

**Figure 50**

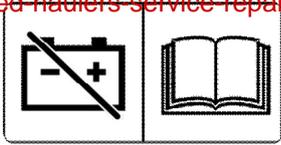
51. Battery disconnect  
 Fire Suppression System (Optional equipment)  
 Spare part number: 11026729



V1082253

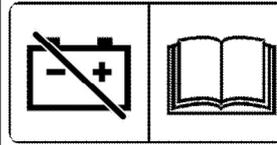
**Figure 51**

52. Handheld fire extinguisher  
 Fire Suppression System (Optional equipment)  
 Spare part number: 15126327



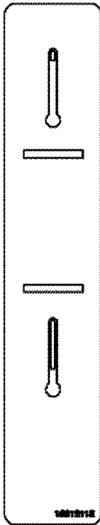
**Figure 52**

53. Emergency switch  
 Spare part number: 55281792



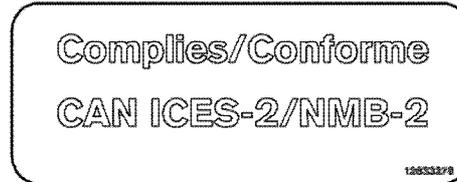
**Figure 53**

54. Service switch  
 Spare part number: 16892452



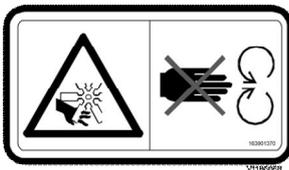
**Figure 54**

55. Brake cooling oil level/hydraulic oil level  
 Spare part number: 16912118



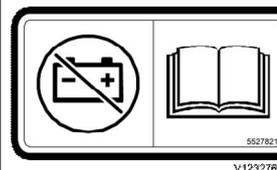
**Figure 55**

NOTE! Only North American market.  
 56. Meets Canadian EMC-requirements  
 Spare part number: 12833278



**Figure 56**

57. WARNING! Rotating parts  
 Spare part number North America: 16929622  
 Spare part number China: 16925041  
 Spare part number, all other markets: 16901370



**Figure 57**

58. Emergency switch  
 Spare part number North America: 55278292  
 Spare part number, all other markets: 55278219