

Document Title: Description, machine	complete	Function Group: 000	Information Type: Service Information	Date: 4/2/2025
Profile: A35G Volvo				

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Complete machine, descriptions

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35G Volvo	Braås	340001	341999

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.

D13J, D16J (machine model G)

The engines meet the emission requirements for US Tier 4 Final and California Tier 4 Final as well as EU's Stage IV. The engines require fuel with low sulphur content.

The engines feature external, cooled exhaust recirculation (EGR - Exhaust Gas Recirculation) and an exhaust aftertreatment system (EATS - Exhaust AfterTreatment System).

EATS consists of a diesel particulate filter (DPF), catalysts, 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).

D13F, D16F (machine model F)

The engines meet emission requirements for Stage II. The engines can handle fuels with higher sulphur content than engines D13J and D16.

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. Handles Full Suspension, when applicable.
- **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.

Sample of manual. Download all 6307 pages at:

<https://www.arepairmanual.com/downloads/volvo-a35g-articulated-haulers-service-repair-manual/>

Applies to machine model G:
[ed-haulers-service-repair-manual/](https://www.arepairmanual.com/downloads/volvo-a35g-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.

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 nine forward gears and three 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.

Full Suspension (FS-system)

Machines with the designation FS feature **Full Suspension**, which is an all-hydraulic suspension system. Machines with Full Suspension do not have standard bogie beams, rubber springs, and shock absorbers. Instead the machine's frame and wheel axles are connected using six double-acting hydraulic cylinders. Each wheel has a position sensor, enabling adaptation of the suspension to ground conditions and load, which increases productivity and operator comfort.

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).

Sample of the cab D-protective design features is affected by plastic deformation or cracks, the cab must be replaced
<https://www.arepairmanual.com/downloads/volvo-a35g-articulated-haulers-service-repair-manual/>

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 six hydraulic pumps of piston type, with continuous variable displacement. There are three pumps for the steering and dumping system, two for fan drive, and one ground-dependent hydraulic pump.

The two pumps for the fan drive are one for the intercooler's cooling fan, and one for the radiator's cooling fan. The radiator's cooling fan is also used for charging brake pressure and driving the brake cooling pump/secondary coolant pump. The ground-dependent pump is mounted on the dropbox and delivers oil, via a non-return valve, to the steering system when the machine is rolling forwards.

Machines with FS (Full Suspension) have an extra hydraulic pump for the FS-system.

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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A35G Volvo	Braås	322001	329999
A35G Volvo	Braås	332001	339999
A35G Volvo	Braås	342001	349999
A35G Volvo	Braås	352001	359999

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.

D13J and D16J

The engines comply 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 engines feature external, cooled exhaust recirculation (EGR - Exhaust Gas Recirculation) and an exhaust aftertreatment system (EATS - Exhaust AfterTreatment System).

EATS consists of a diesel particulate filter (DPF), catalysts, 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).

D13F and D16F

The engines meet emission requirements for Stage II. The engines can handle fuels with higher sulphur content than engines D13J and D16.

D16E

The engines only apply to the markets in Brazil, LAM, and China.

Electrical system

Machines with engine alternative D13J and D16J have eight control units (ECU).

Machines with engine alternative D13F and D16F have six control units (ECU).

Machines with engine alternative D16E have seven 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. Handles Full Suspension, when applicable.

- **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.

Applies to machines with engine alternative D13J and D16J:

- **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.

Applies to machines with engine alternative D13F and D16F:

- **E-ECU**
Located on the left side of the engine.
Handles the engine.

Applies to machines with engine alternative D16E:

- **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 nine forward gears and three 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.

Full Suspension (FS-system)

Machines with the designation FS feature **Full Suspension**, which is an all-hydraulic suspension system. Machines with Full Suspension do not have standard bogie beams, rubber springs, and shock absorbers. Instead the machine's frame and wheel axles are connected using six double-acting hydraulic cylinders. Each wheel has a position sensor, enabling adaptation of the suspension to ground conditions and load, which increases productivity and operator comfort.

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 the piston pump type with continuously variable displacement. Two of these pumps are used for the steering and dump system, two for fan drive, and one is a ground-depend pump mounted on the dropbox. Of the two pumps for fan drive, one is for the intercooler's cooling fan, which also is used when dumping, and one is for the radiator's cooling fan. The radiator's fan pump is also used for charging of brake pressure. The ground-dependent hydraulic pump is mounted on the dropbox and delivers oil, via a non-return valve, to the steering system when the machine is rolling forward.

Machines with FS (Full Suspension) have an extra hydraulic pump for the FS-system.

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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Product plates

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Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35G Volvo	Braås	340001	341999

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.

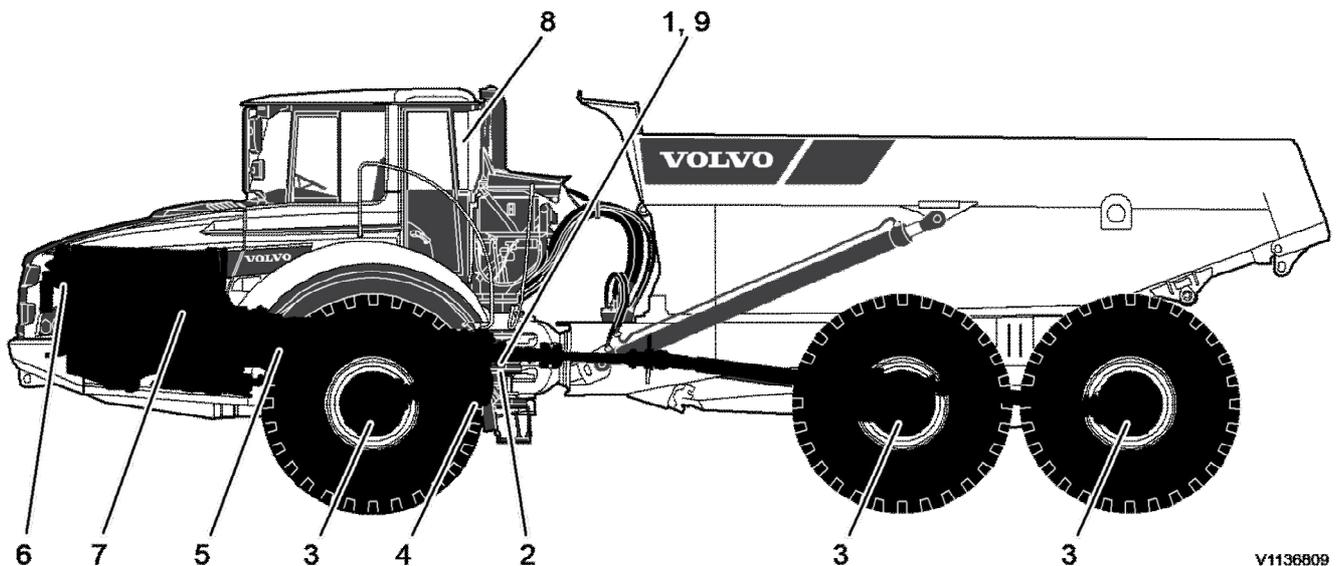


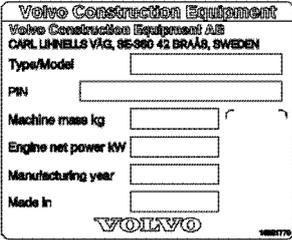
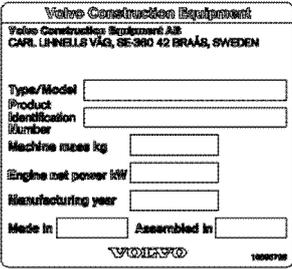
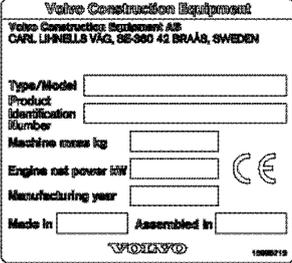
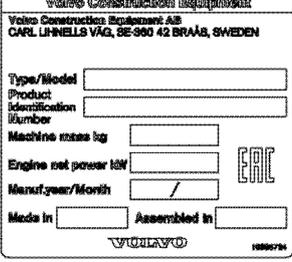
Figure 1

- 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 in
 - 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>V1154442</p> <p>Figure 2 Worldwide</p>	 <p>V1154289</p> <p>Figure 3 Worldwide</p>
	 <p>V1154290</p> <p>Figure 4 Countries within EU/EC</p>
	 <p>V1154291</p> <p>Figure 5 Countries within Eurasian Customs Union</p>

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Product plates

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Model	Production site	Serial number start	Serial number stop
A35G Volvo	Braås	322001	329999
A35G Volvo	Braås	332001	339999
A35G Volvo	Braås	342001	349999
A35G Volvo	Braås	352001	359999

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.

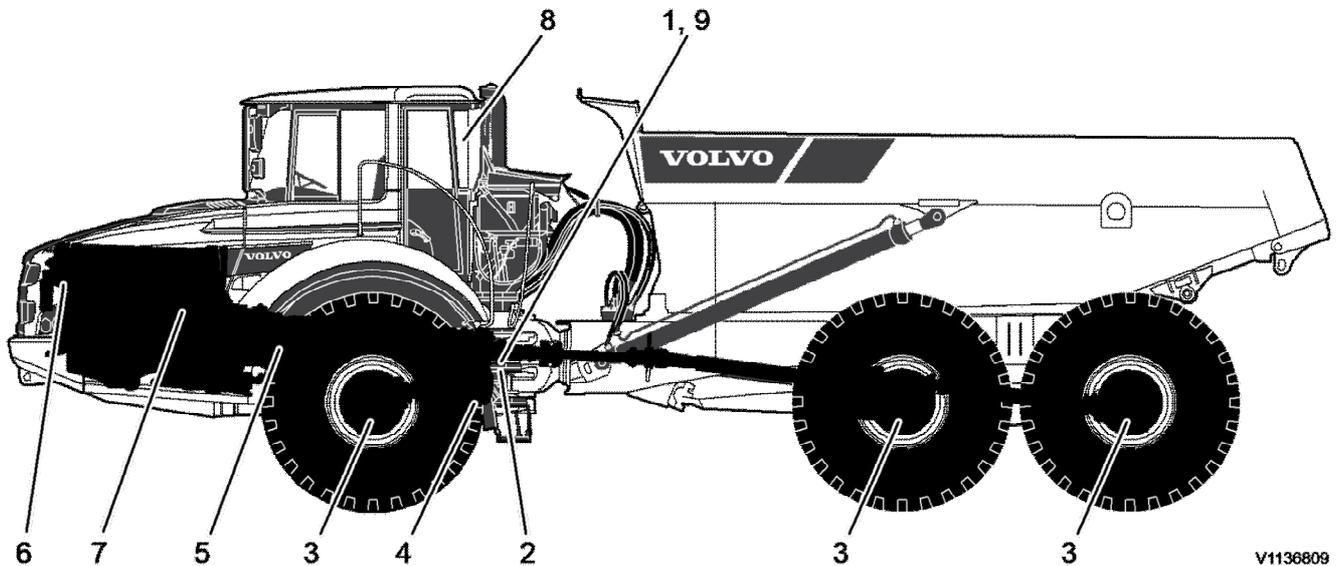


Figure 1

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-363 41 Bräås, Sweden

Type/Model: _____
 Product Name: _____
 Product Identification Number: _____
 Machine mass kg: _____
 Engine net power kW: _____
 Manufacturing year: _____
 Made in: _____ Assembled in: _____

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 in

Volvo Construction Equipment
 Volvo Construction Equipment AB
 Carl Linnés väg, SE-363 41 Bräås, Sweden

Type/Model: _____
 Product Name: _____
 Product Identification Number: _____
 Machine mass kg: _____
 Engine net power kW: _____
 Manufacturing year: _____
 Made in: _____ Assembled in: _____

VOLVO Importer: VPS Ltd., Wedgwood Lane, Warwick, CV34 5YA, Great Britain 3637471
 V1228602

Figure 3

UKCA identification plate

Volvo Construction Equipment
 Volvo Construction Equipment AB
 Carl Linnés väg, SE-363 41 Bräås, Sweden

Type/Model: _____
 Product Name: _____
 Product Identification Number: _____
 Machine mass kg: _____
 Engine net power kW: _____
 Manuf. year/Month: _____ / _____
 Made in: _____ Assembled in: _____

VOLVO 55044559
 V1228586

Figure 4

Data plate for countries within Eurasian Customs Union

Volvo Construction Equipment
 Volvo Construction Equipment AB
 Carl Linnés väg, SE-363 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 55044508
 V1228597

Figure 5
Data plate for China

环保信息标志	
达到国家GB 20691-2014 第三阶段排放标准	
生产日期: / /	
信息公开编号: []	
基本信息	VOLVO 轮式装载机 工程机械
	生产厂 Volvo Construction Equipment AB
	发动机型号 Volvo Construction Equipment AB
	整机型号 Volvo Construction Equipment AB
环保关键零部件	ECU, 增压器, 中冷器, 喷油泵, 润滑油, 空气滤清器和排气消声器

V1187107

Figure 6
Additional eco label for China

Volvo Construction Equipment	
Volvo Construction Equipment AB Carl Linnés väg, SE-383 41 Bräne, Sweden	
Type/Model:	[]
Product Name:	[]
Product Identification Number:	[]
Machine mass kg:	[]
Engine net power kW:	[]
Manufacturing year:	[]
Made in:	[]
Assembled in:	[]

VOLVO 09044543

V1228596

Figure 7
Data plate for rest of the world

Volvo Equipamentos de Construção Latin America Ltda.	
Av. Lions Club 2470 - CEP 17.280-000	
Pederneiras - São Paulo, Brasil	
CNPJ: 29.307.609/0001-90	10949623

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.

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Information and safety decals

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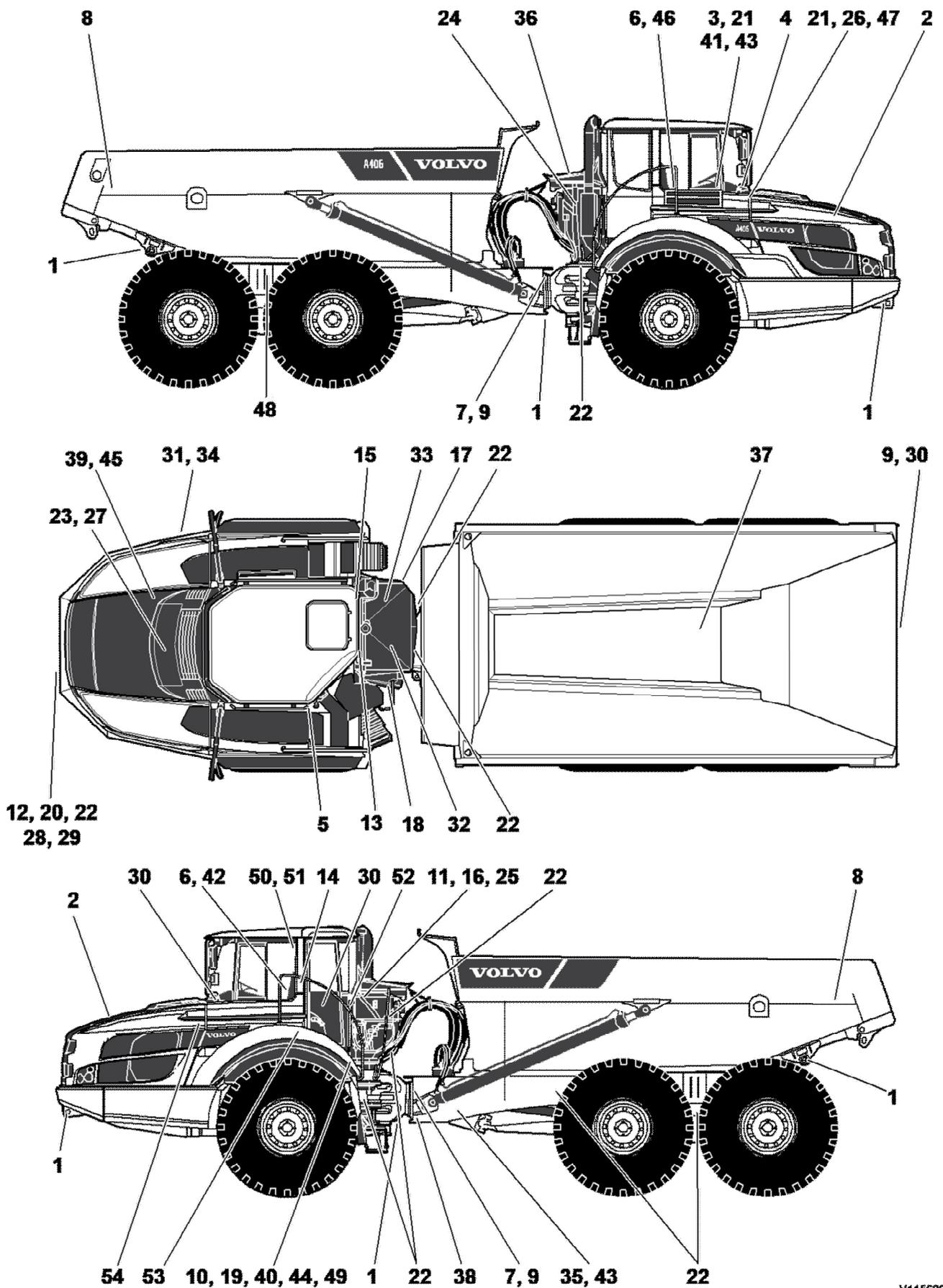
The operator should know, follow, and pay attention to warnings and information stated on decals and plates. All plates/decals are not installed on all machines since they are dependent on market and machine.

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/decal can be found in the Parts Catalogue.

NOTE!

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



V1156229

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

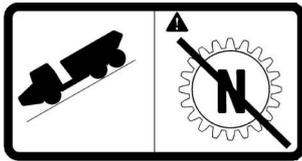


Figure 4

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

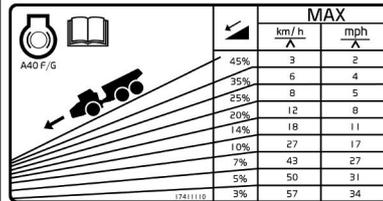


Figure 5

4. Retarder diagram
Spare part number A35F and A35G: 17411102
Spare part number A40F and A40G: 17411110



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

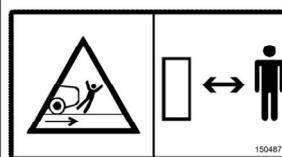


Figure 9

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: 13935004

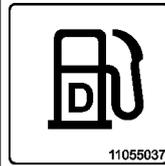


13935018
V1086552

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



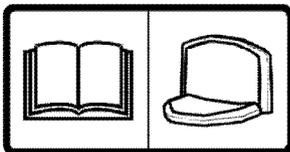
V1054192

Figure 15

14. Sound power level (LwA) outside machine

Spare part number 112 dB: 11180167

Spare part number 110 dB (optional equipment): 11180165

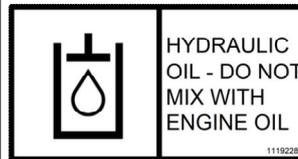


V1093411

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

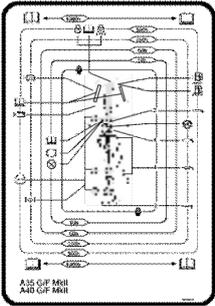


Figure 20

19. Service decal
 Spare part number: 16872868

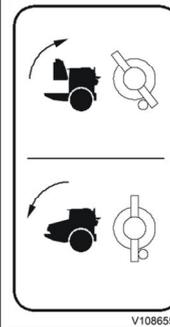


Figure 21

20. Engine hood
 Spare part number: 11116228

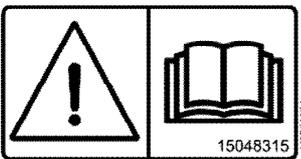


Figure 22

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

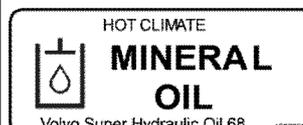


Figure 25

24. Brake cooling oil
 Spare part number: 11116416



V1093357



15079569

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

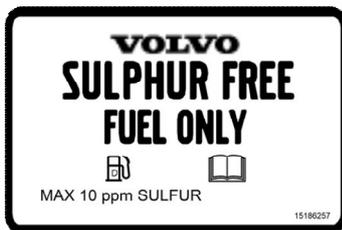
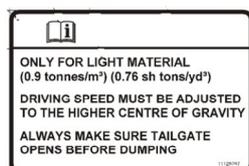


Figure 30

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



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

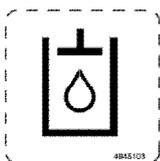


Figure 34

32. Hydraulic oil
Spare part number: 4948103

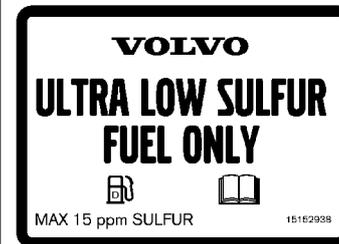
Figure 27

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



Figure 33

31. Do not step on this surface
Spare part number: 15048515



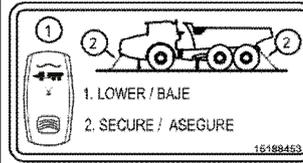
Figure 35

33. Brake cooling oil
Spare part number: 15042783

CALIFORNIA
 Proposition 65 Warning
 Diesel engine exhaust and some of its constituent are known to the State of California to cause cancer, birth defect, and other reproductive harm

Figure 44

NOTE! Only USA-market.
 42. Information diesel exhausts
 Spare part number: 11046865



V1093744

Figure 45

43. Before transporting an FS-machine on another vehicle, lower the machine to bottom position
 Spare part number: 15188453

This machine is equipped with other fluids than normal, according to working temperature down to -40°C.
 Oil for engine: 11 078 229 Mobil Delvac 1 5W-40
 Tier 4: 16 814 207 Mobil Delvac 1 5W-40
 Oil for Hydraulic tank: 11 109 658 Ursae HV1 86
 Mobilfluid LT
 Oil for Hood opening: 11 109 658 Ursae HV1 86
 Mobilfluid LT
 Grease: 11 076 228 Mobilith SHC 220
 Emulsi grease SV 2202
 Alkalis FFS2
 (For Hitch, IB and Steering cylinders, body joint and Overhung Tailgate)

Figure 46

44. The machine is equipped with other fluids than normal for operating in temperatures down to -40 °C
 Spare part number: 16814210

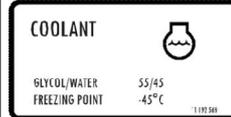


Figure 47

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

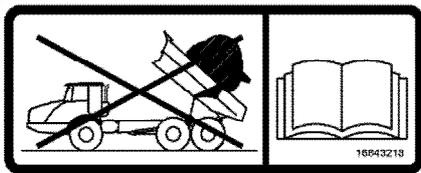
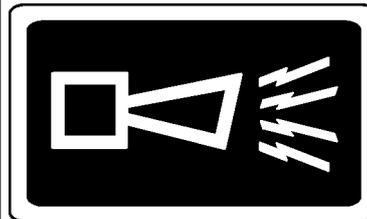


Figure 48

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



V1082252

Figure 49

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)						Arbetsstryck / Working pressure
	5	10	12,5	15	20	25	
SV-K							20 bar

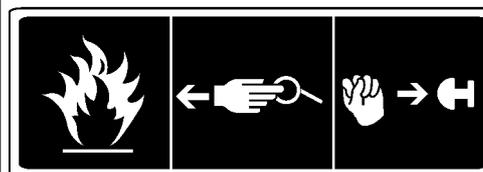
FILLING DATE CONTAINER YEARLY INSPECTION CONTAINER CE

REVISION DATE YEAR

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

VOLVO 15149324

V1082254



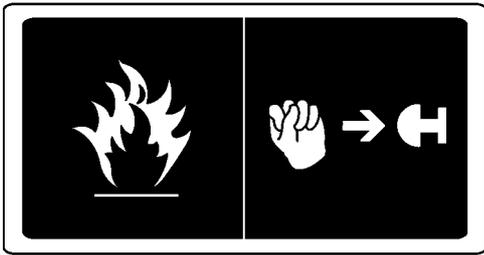
V1082251

Figure 51

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

Figure 50

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



V1082325

Figure 52

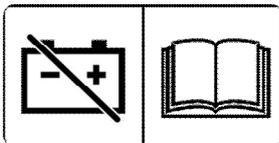
50. Inner activation button
Fire Suppression System (optional equipment)
Spare part number: 15126372



V1082253

Figure 54

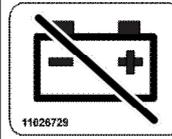
52. Handheld fire extinguisher
Fire Suppression System (optional equipment)
Spare part number: 15126327



V1151528

Figure 56

54. Service switch
Spare part number: 16892452

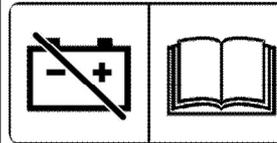


11026729

V1118495

Figure 53

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



V1151528

Figure 55

53. Emergency switch
Spare part number: 16892452

Document Title: Information and warning decals	Function Group: 000	Information Type: Service Information	Date: 4/2/2025
Profile: A35G Volvo			

[Go back to Index Page](#)

Information and safety decals

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35G Volvo	Braås	322001	329999
A35G Volvo	Braås	332001	339999
A35G Volvo	Braås	342001	349999
A35G Volvo	Braås	352001	359999

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.

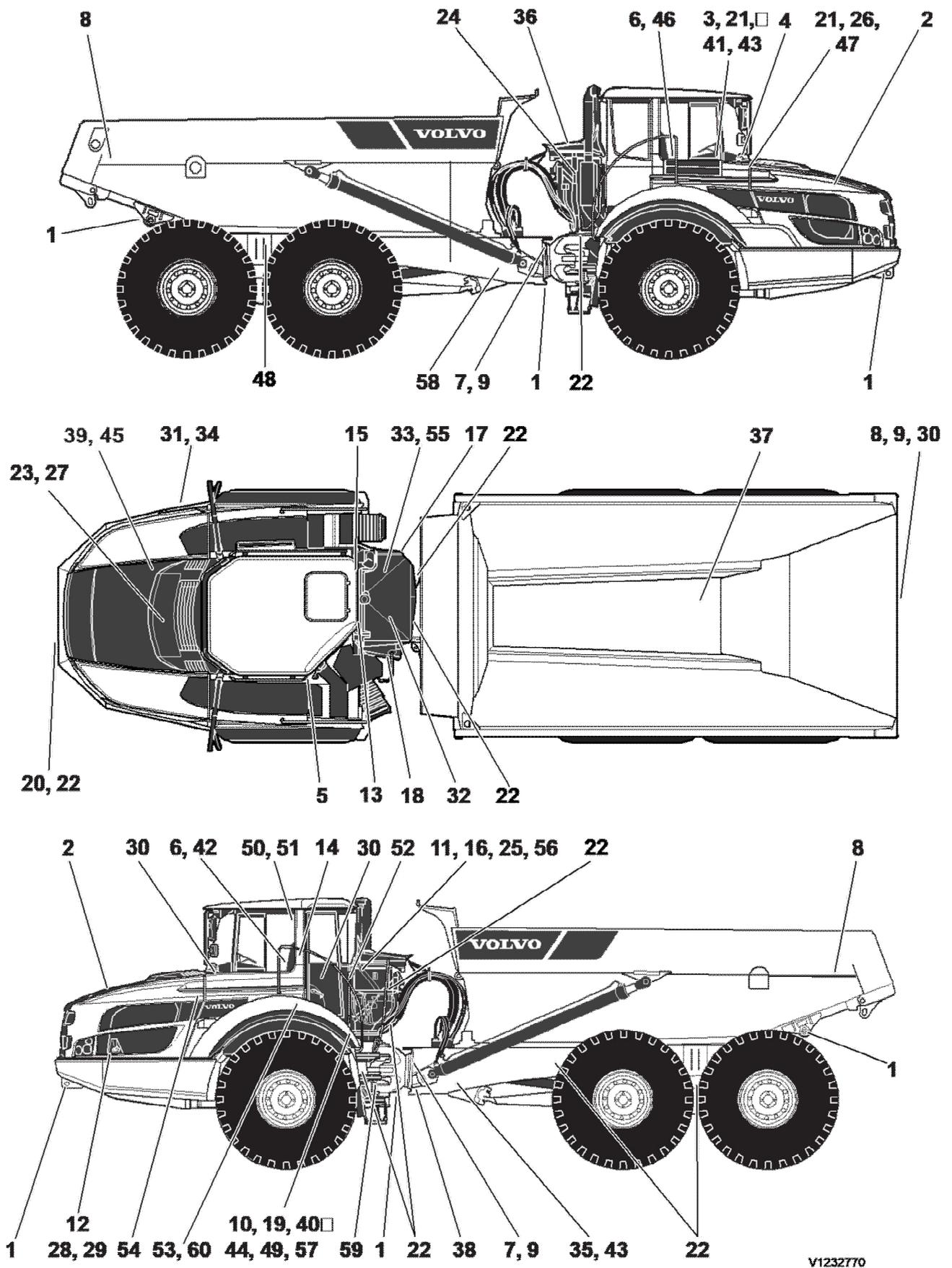


Figure 1

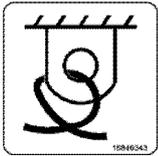


Figure 2

1. Attaching point for lashing
Spare part number: 16846343



Figure 3

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

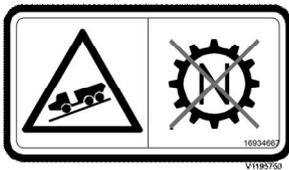


Figure 4

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

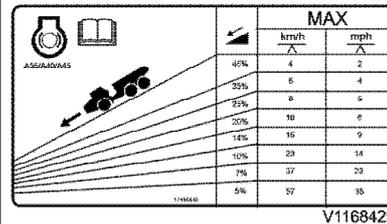


Figure 5

4. Retarder diagram
Spare part number: 17450443



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

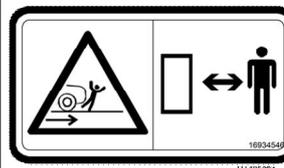


Figure 9

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

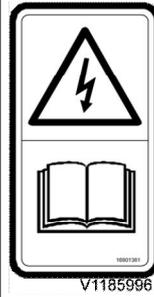


Figure 11

NOTE! Only the market.

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

Spare part number North America: 16929621

Spare part number, all other markets: 16901361

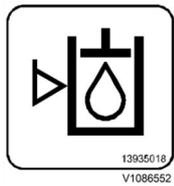


Figure 12

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 112 dB: 11180167

Spare part number 110 dB (optional equipment): 11180165

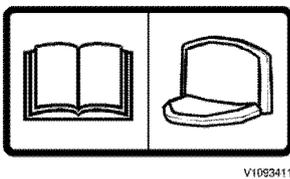


Figure 16

15. Compartment for Operator's Manual

Spare part number: 15164402

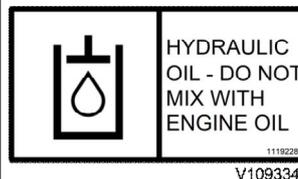


Figure 17

NOTE! Only North American market.

16. Hydraulic oil. Do not mix with engine oil

Spare part number: 11192288

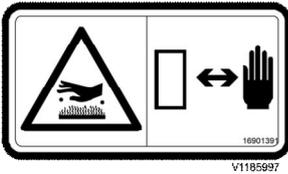


Figure 18

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

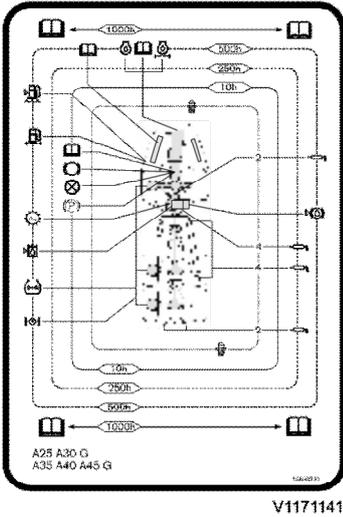


Figure 20

19. Service decal
 Spare part number: 16893723

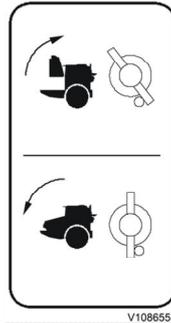


Figure 21

20. Engine hood
 Spare part number: 11116228

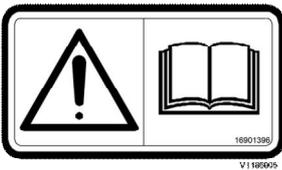


Figure 22

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

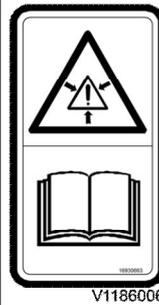


Figure 23

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

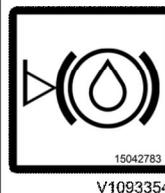


Figure 25

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

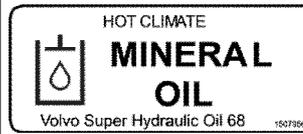


Figure 26

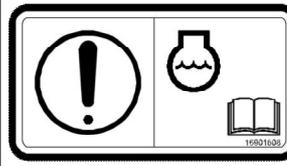
25. Synthetic ester
Spare part number: 11411924

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: 1635465

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

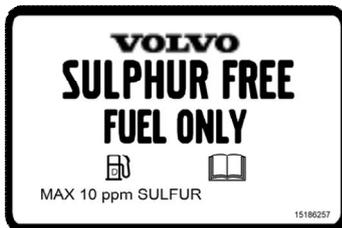
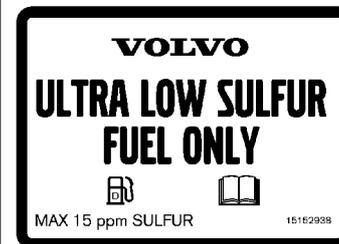


Figure 30

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



V1186067

Figure 32

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

Figure 33

31. Do not step on this surface

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

Spare part number North America: 16929632
Spare part number China: 16925043
Spare part number, all other markets: 16901531



Figure 34

32. Hydraulic oil
Spare part number: 4948103

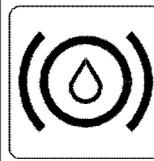


Figure 35

33. Brake cooling oil
Spare part number: 15042783

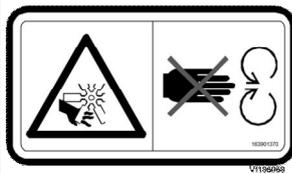


Figure 36

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

A40G =39,000 kg (86,000 lb)			
Bridgestone 29.5 R25 VLT	350 kPa (51.0 psi)	450 kPa (65.0 psi)	
Bridgestone 29.5 R25 VLTS	350 kPa (51.0 psi)	450 kPa (65.0 psi)	
Goodyear 29.5 R25 TL-3A+	300 kPa (44.0 psi)	425 kPa (61.5 psi)	
Goodyear 29.5 R25 GP-4D	300 kPa (44.0 psi)	425 kPa (61.5 psi)	
Goodyear 875/65 R29 GP-4D	300 kPa (44.0 psi)	400 kPa (58.0 psi)	
Michelin 29.5 R25 XADN+	375 kPa (54.5 psi)	450 kPa (65.0 psi)	
Michelin 29.5 R25 XTRA DEF.	325 kPa (47.0 psi)	425 kPa (61.5 psi)	
Michelin 875/65 R29 XAD65-1	275 kPa (40.0 psi)	375 kPa (54.5 psi)	
Michelin 875/65 R29 XTRA DEF	250 kPa (36.5 psi)	325 kPa (47.0 psi)	
Yokohama 29.5 R25 RT41	350 kPa (51.0 psi)	425 kPa (61.5 psi)	
Trelleborg 29.5 R25 EMR 1030	325 kPa (47.0 psi)	450 kPa (65.0 psi)	

Figure 37

35. Tyre pressure
Spare part number A35G: 54656545
Spare part number A40G: 53036362
Spare part number A45G: 53036813



Figure 38

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



Figure 39

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



Figure 40



Figure 41

NOTE! Only North American market.

Figure 40

NOTE! Only North American market.

38. Disconnect the steering joint lock before moving the machine

Spare part number: 16929628



Figure 42

NOTE! Only North American market.

40. Information compressed air system. Turn off the engine and depressurise the systems before checking and servicing.

Spare part number: 16929631

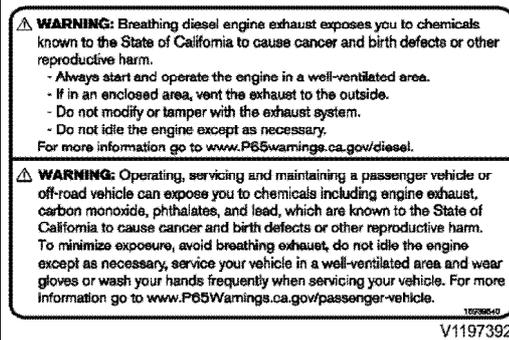


Figure 44

NOTE! Only North American market.

42. Information diesel exhausts

Spare part number: 16939540

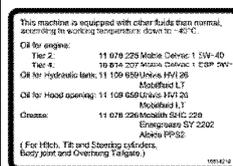


Figure 46

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

Spare part number: 16814210

39. Do not use flammable gas in the air intake. Risk of fire.

Spare part number: 16929629



Figure 43

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

Spare part number: 16929634

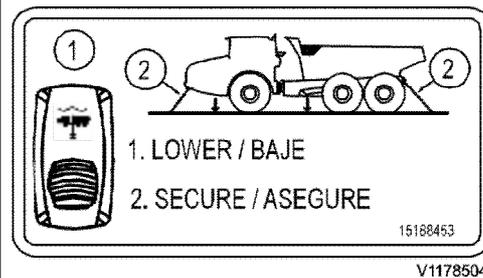


Figure 45

43. For all lashing in connection with transport of FS-machine, lower the machine to bottom position

Spare part number: 15188453

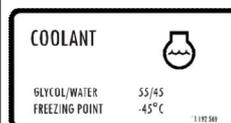


Figure 47

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

Spare part number: 11192569

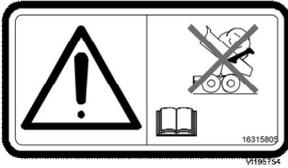
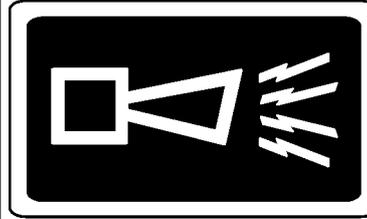


Figure 48

46. Overhung tailgate
 Spare part number North America: 16929635
 Spare part number China: 16315807
 Spare part number, all other markets: 16315805



V1082252

Figure 49

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)						Arbetsstryck / Working pressure
	5	10	12,5	15	20	25	
SV-K							20 bar

FILLING DATE CONTAINER YEARLY INSPECTION CONTAINER

CE

REVISION DATE YEAR

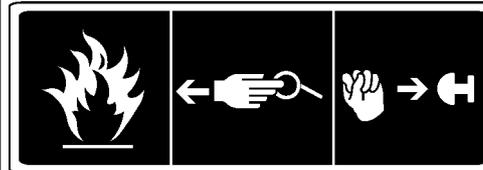
13	14	15	16	17	18
19	20	21	22	23	24

VOLVO 15149324

V1082254

Figure 50

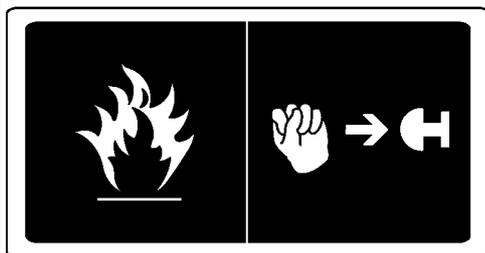
48. Extinguishing agent tank decal
 Fire Suppression System (optional equipment)
 Spare part number: 15149324



V1082251

Figure 51

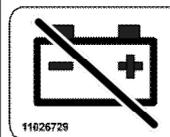
49. Manual activation
 Fire Suppression System (optional equipment)
 Spare part number: 15126559



V1082325

Figure 52

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



11026729

V1118495

Figure 53

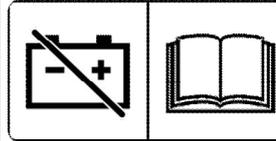
51. Battery disconnect
 Fire Suppression System (optional equipment)
 Spare part number: 11026729



V1082253

Figure 54

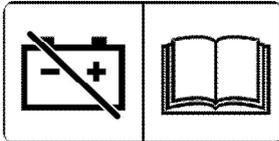
52. Handheld fire extinguisher
Fire Suppression System (optional equipment)
Spare part number: 15126327



V1151528

Figure 55

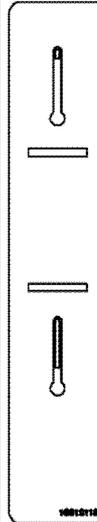
53. Emergency switch
Spare part number: 55281792



V1151528

Figure 56

54. Service switch
Spare part number: 16892452



V1171137

V1171137

Figure 57

55. Brake cooling oil level
Spare part number: 16912118