

Document Title: Description, machine	complete	Function Group: 000	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo				

Description

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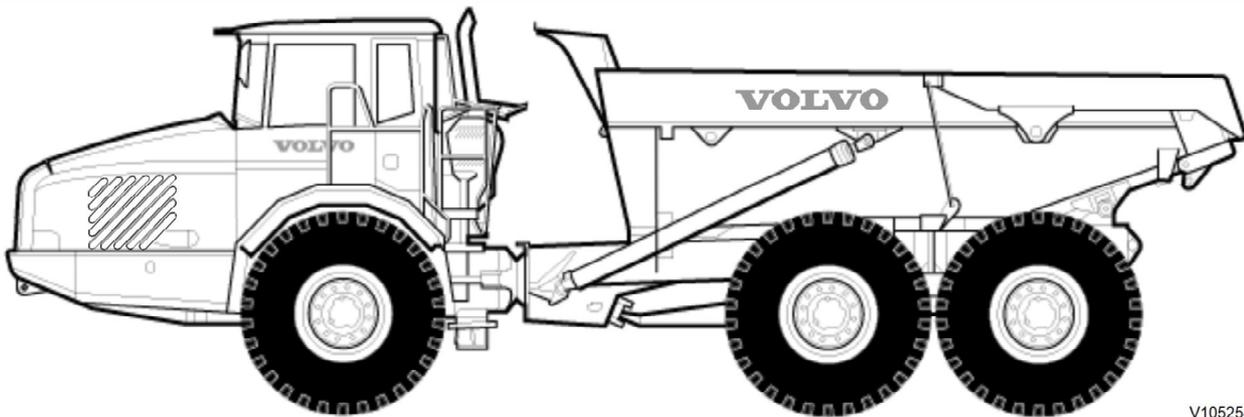
Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

Articulated hauler A25E and A30E consist 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.

The tractor unit consists of a six-cylinder diesel engine, transmission and dropbox as well as a drive axle. The cab is rubber-mounted to the frame. The frame is independently suspended in relation to the drive axle.

The load unit consists of a frame, elevation load body, as well as a front and rear drive axle, which are linked by the bogie suspension.

The articulated hauler has constant 4-wheel drive with the possibility of engaging and disengaging 6-wheel drive. It has a longitudinal differential lock in the dropbox and differential locks in the drive axles.



V1052546

Figure 1
V1052546

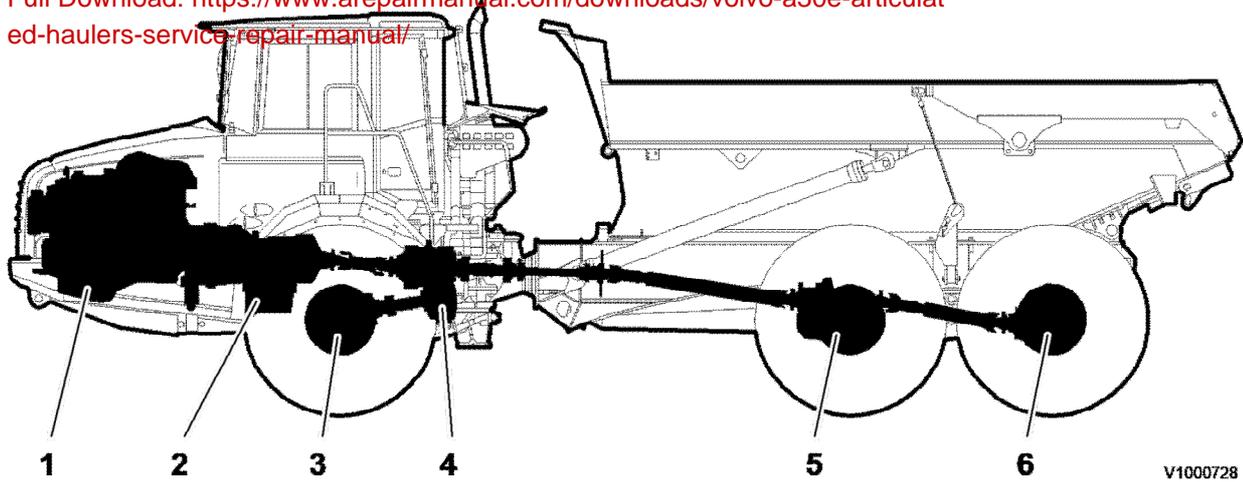


Figure 2

Type and product number, articulated hauler A25E/A30E

1. Engine:
 - **A25E EU:** D9BABE3 – 8188711
 - **A25E US + EU:** D9BAAE3 – 8188710
 - **A30E EU:** D9BACE3 – 8188712
 - **A30E US + EU:** D9BADE3 – 8188775
2. Transmission: PT1560 - 22518
3. Front axle:
 - **A25E:** AH56E – 23903
 - **A30E:** AH64D – 23909
4. Dropbox: IL-1 - 22512
5. Front bogie axle:
 - **A25E:** AH56F – 23904
 - **A30E:** AH64E - 23910
6. Rear bogie axle:
 - **A25E:** AH56G – 23905
 - **A30E:** AH64F - 23911

Document Title: Product identification plates	Function Group: 000	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Product identification plates

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

The following text with numbers refers to the illustration, and shows which product identification plates should be on the machine. The **Product Identification Number (PIN)** and machine model must always be correctly quoted when ordering spare parts and in any telephone enquiries or correspondence regarding service matters.

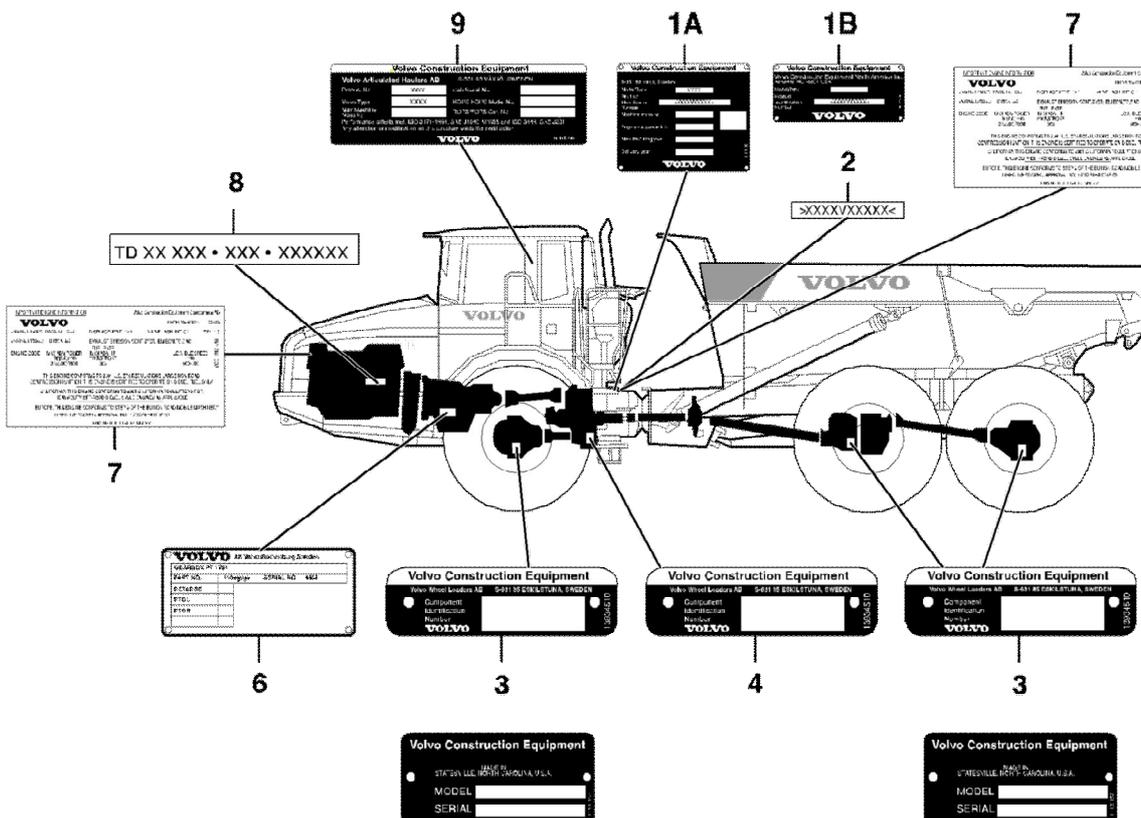


Figure 1
Position of product identification plates

- Product identification plate with **Product Identification Number, PIN**, for a complete machine (includes model, product and serial number, weight, engine output and, if applicable, CE certification). The plate is affixed on the left-hand side of the tractor unit frame next to the steering joint.
1A: Product identification plate variant for markets outside USA.
1B: Product identification plate variant for USA market.
- The machine's serial number is also stamped on the right side of the tractor unit's frame, by the steering joint.
- Drive axle serial numbers are located on the axle housing.
- The dropbox's serial number is located on the right rear of the dropbox.

5. The brakes' type designation and serial number are located on the brake housing's end plate.
6. The transmission's type designation and serial number are located on the left side of the transmission.
7. Supplementary sticker with important engine data is located on the valve cover for engine D12D. For engine D12C the supplementary sticker is located on the engine's right side
8. Information about the engine and which type of machine it is installed in is stamped on the cylinder block's right side, on a plate next to the stamping as well as on a sticker on the engine ECU (E-ECU). The E-ECU is located on the engine's left side.
9. Cab type, type approval and serial number is located on the right inside the cab.

Document Title: Information and warning decals	Function Group: 000	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Information and warning decals

Showing Selected Profile

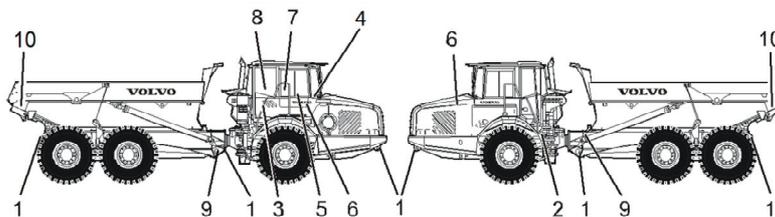
Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

The operator should be aware of and follow the information and warning decals that are located on the machine. All decals are not found on all machines, since they are market-dependent and machine-dependent.

The decals shall be kept clean and legible. If decals have been lost or no longer are readable, they shall be replaced immediately. Spare part number (order number) is stated on each decal as well as in the Parts catalogue.

NOTE!

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



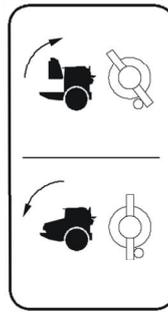
V1086510

Figure 1

<p>1. Attaching point for lashing</p>	<p>2. Battery disconnect switch</p>
<p>3. Avoid spraying water at air inlets.</p>	<p>4. Retarder diagram</p>
<p>5. WARNING! Do not operate downhill with the gear selector in N-position. Only shift gears with the gas pedal let up.</p>	<div style="display: flex; justify-content: space-between;"> <div data-bbox="805 1787 1098 1899"> <p>NOTICE: R134a AC-SYSTEM System designed acc. to SAE J639 rev.nov91 Caution: System to be serviced by VCE qualified personnel. See VCE service instruction. Volvo Construction Equipment V1086515</p> </div> <div data-bbox="1109 1787 1412 1899"> <p>Volvo Construction Equipment LUFTKOND. FVLLD MED 2.3-0,1 KG R134a OPPNINGSTRYCK SÄKERHETSVENTIL 38±3 BAR AIR COND. CHARGED WITH 2.3-0,1 KG R134a HIGH PRESSURE RELIEF VALVE SETTING 38±3 BAR V1086514</p> </div> </div> <p>6. Air conditioning filled with R134a. Opening pressure safety valve (optional equipment)</p>



17. WARNING! Only use genuine Volvo coolant VCS – read the Operator's Manual



V1086553

18. Engine hood



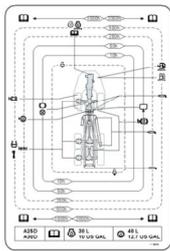
V1054194

19. Sound pressure level (LpA) at operator's station



V1054192

20. Sound power level (LwA) around the machine



V1096554

21. Service decal



V1086555

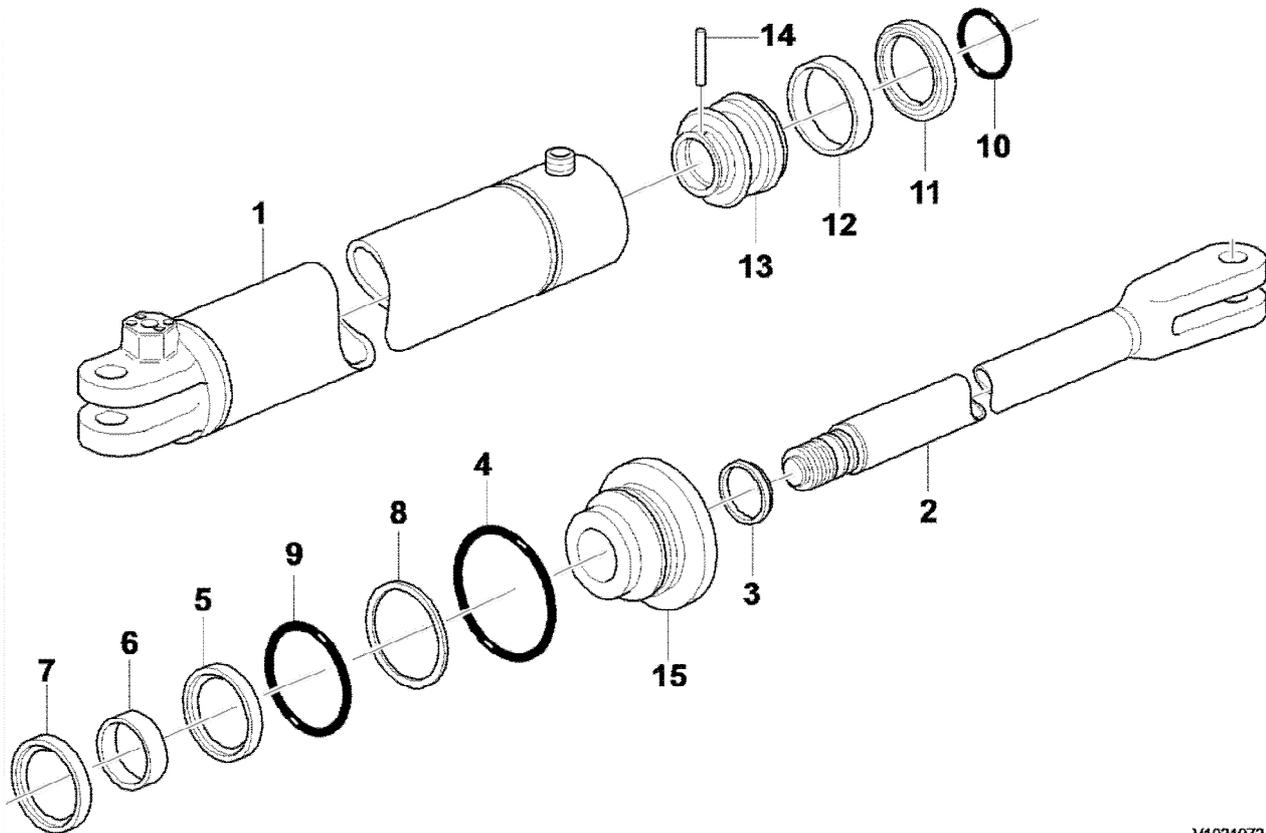
22. WARNING! The machine may not be loaded heavier than that which is stated on the decal (only on machines with body extensions for light materials).

Document Title: Hydraulic description	cylinder,	Function Group: 000	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo				

Steering cylinder, description

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Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			



V1021972

Figure 1

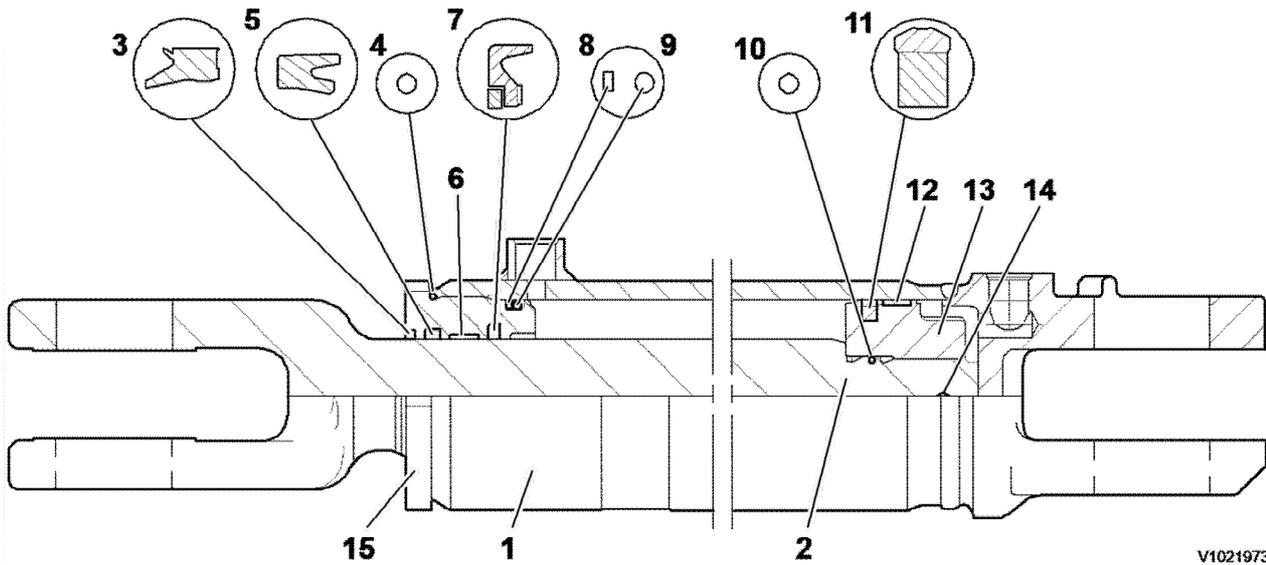
Steering cylinder

Pos.

- 1 Cylinder barrel
- 2 Piston rod
- 3 Scraper
- 4 O-ring
- 5 Piston rod seal
- 6 Guide ring
- 7 Piston rod seal

Pos.

- 8 Back-up ring
- 9 O-ring
- 10 O-ring
- 11 Piston seal
- 12 Guide ring
- 13 Piston
- 14 Spiral spring pin



V1021973

Figure 2
Steering cylinder, cross-section,

Pos.		Pos.	
1	Cylinder barrel	8	Back-up ring
2	Piston rod	9	O-ring
3	Scraper	10	O-ring
4	O-ring	11	Piston seal
5	Piston rod seal	12	Guide ring
6	Guide ring	13	Piston
7	Piston rod seal	14	Spiral spring pin

Document Title: Tightening torques	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

The tightening torques in the following tables apply to bolts and nuts with tensile strength. The tables should be used as a general instruction for tightening bolts and nuts without specified values. The charts contains values for course thread bolts and nuts.

Torque values should be increased with $\approx 10\%$, for flange bolts.

All standard torques for bolts are without surface treatment.

The standard torque for bolts lubricated with oil should be reduced with 20% of the given value.

Standard tightening torque charts

Bolt size Metric Coarse Threads	Tensile strength 8.8		Tensile strength 10.9	
	(Nm)	(lbf ft)	(Nm)	(lbf ft)
M5	6	4	8	6
M6	10	7	14	11
M8	25	18	35	26
M10	50	37	70	52
M12	87	64	122	90
M14	139	103	195	144
M16	213	157	299	220
M18	293	216	413	305
M20	416	307	585	432
M24	719	530	1010	745
M27	1060	782	1490	1100
M30	1140	840	2025	1493
M36	2500	1844	3600	2653

Bolt size Inch SAE Coarse Threads	Tensile strength 5		Tensile strength 8	
	(lbf ft)	(Nm)	(lbf ft)	(Nm)
1/4	10	13,6	14	19
5/16	21	28,5	29	39,3
3/8	37	50,2	52	70
7/16	59	80	84	114
1/2	90	122	128	174
9/16	130	176	184	250
5/8	180	244	254	345
3/4	320	434	451	612

7/8	515	700	728	988
1	775	1052	1091	1480
1 1/8	953	1290	1545	2100
1 1/4	1344	1823	2180	2960
1 3/8	1600	2170	2650	3600
1 1/2	2000	2714	3200	4340

Document Title: Volvo standard tightening torques	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Volvo standard tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

The tightening torques in the following tables apply to bolts and nuts with tensile strength. The tables should be used as a general instruction for tightening bolts and nuts without specified values. The charts contains values for course thread bolts and nuts.

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Standard tightening torque charts

Bolt size Metric Coarse Threads	Tensile strength 8.8		Tensile strength 10.9	
	(Nm)	(lbf ft)	(Nm)	(lbf ft)
M5	6	4	8	6
M6	10	7	14	11
M8	25	18	35	26
M10	50	37	70	52
M12	87	64	122	90
M14	139	103	195	144
M16	213	157	299	220
M18	293	216	413	305
M20	416	307	585	432
M24	719	530	1010	745
M27	1060	782	1490	1100
M30	1140	840	2025	1493
M36	2500	1844	3600	2653

Bolt size Inch SAE Coarse Threads	Tensile strength 5		Tensile strength 8	
	(lbf ft)	(Nm)	(lbf ft)	(Nm)
1/4	10	13,6	14	19
5/16	21	28,5	29	39,3
3/8	37	50,2	52	70
7/16	59	80	84	114
1/2	90	122	128	174
9/16	130	176	184	250
5/8	180	244	254	345

3/4	320	434	451	612
7/8	515	700	728	988
1	775	1052	1091	1480
1 1/8	953	1290	1545	2100
1 1/4	1344	1823	2180	2960
1 3/8	1600	2170	2650	3600
1 1/2	2000	2714	3200	4340

Document Title: Machine dimensions	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

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Machine dimensions

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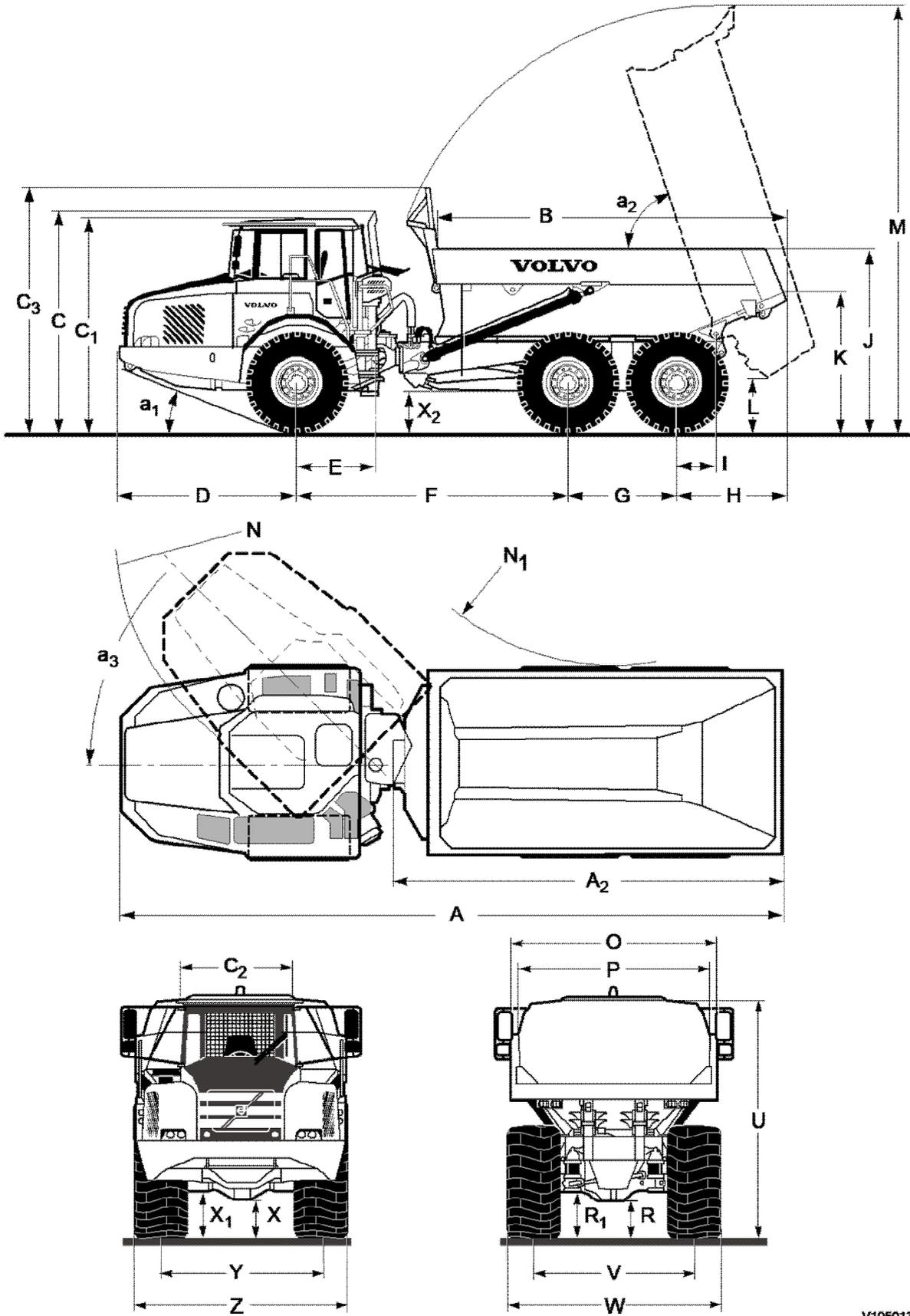
Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

A30E

The letters in the figures refer to the table below.

Dimensions apply to unloaded machine	dimension	mm (inch)	in
Total length	A	10297	405
Total length, tractor unit	A1	4954	195
Total length, load unit	A2	6002	236
Load body length, standard body	B	5339 (210.2)	210
Total height at top of exhaust pipe	C	3453	136
Height to cab roof	C1	3318	131
Width across cab	C2	1768	70
Total height at front body plate (load body down)	C3	3834 (150.9)	151
Overhang, towing eyes	D1	2604	109
Distance, front axle – steering centre (articulation joint)	E	1210	103
Distance, drive axles	F	4175	164
Distance, bogie axles	G	1670	66
Overhang, rear	H	1688 (66.5)	66
Overhang, frame	I	608	24
Loading height	J	2856 (112.4)	112
Height to load body	K	2181 (85.9)	86
Free dumping height	L	686 (27.0)	27
Total height, elevated load body	M	6592 (259.5)	260 (68.7 US gal)
Outer turning radius	N	8105	319
Inner turning radius	N1	4037 (158.9)	159
Outside width, load body	O	2900 (114.2)	114
Inside width, load body	P	2706 (106.5)	107
Minimum ground clearance, load unit	R	513	20
Minimum ground clearance axle, load unit	R1	635 (25.0)	25
Maximum height, upper body plate	U	3310 (130.3)	130
Track width, load unit	V	2216 (87.2)	87
Total width, load unit	W	2941	116
Minimum ground clearance, tractor unit	X	456	18

Minimum ground clearance axle, tractor unit	X1	582 (22.9)	23
Minimum ground clearance, hitch	X2	659	26
Track width, tractor unit	Y	2216	87
Total width, tractor unit	Z	2941	116
Angle of approach	a1	23.5°	
Dumping angle	a2	70°	
Max. steering angle	a3	45°	



V1050133

Figure 1
V1050133

Document Title: Machine dimensions	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

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Specification, "Light material"

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

Applies to machines with upper body extensions "Light material"

NOTE!

Machine equipped with "Light material" may not be used for materials with density higher than 900kg/m³!

NOTE!

Machine equipped with "Light material" have a centre of gravity which is higher than for a standard machine, and speed must be adapted to this fact.

Total height A25E	3548 mm	140 in
Height with elevated load body A25E	6559 mm	258 in
Width	2854 mm	112 in
Total height A30E	3606 mm	142 in
Height with elevated load body A30E	6735 mm	265 in
Width	3054 mm	120 in
Weight of optional equipment "Light material" A25E	1908 kg (33047 lbs)	4206 lb.
Weight of optional equipment "Light material" A30E	2057 kg (33047 lbs)	4535 lb.
Load capacity A25E	23.6 tonnes	23.6 tonnes
Load capacity A30E	27.5 tonnes	27.5 tonnes
Load material density	900 kg/m ³	1984 lbs/m ³

Document Title: Capacities	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Capacities

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

	total	when changing
Engine, incl. filters	49 l (12.9 US gal)	37 l (9.75 US gal)
Cooling system	80 l (21.1 US gal)	65 l (17.2 US gal)
Transmission, including filters and cooler	48 l (12.7 US gal)	41 l (10.8 US gal)
Dropbox	8,5 l (2.2 US gal)	8.5 l (2.2 US gal)
Front axle	38 l (10.0 US gal)	33 l (8.7 US gal)
Front bogie axle	40 l (10.6 US gal)	34 l (9.0 US gal)
Rear bogie axle	38 l (10.0 US gal)	33 l (8.7 US gal)
Hub reduction	5 l (1.3 US gal)	3 l (0.8 US gal)
Hydraulic system	260 l (68.7 US gal)	175 l (46.2 US gal)
Hydraulic oil tank	180 l (47.5 US gal)	
Fuel tank	400 l (105.7 US gal)	

Document Title: Weights	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Weights

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

Tyre equipment	750/65 R25
Operating weight	
Front axle	12500 kg (27558 lbs)
Bogie axles	10560 kg (23281 lbs)
Total (incl. operator and full fuel tank)	23060 kg (50839 lbs)
Total weight	
Max. load allowed on front axle	14990 kg (33047 lbs)
Max. load allowed on bogie axles	36070 kg (79521 lbs)
Load capacity	28000 kg (61729 lbs)
Total weight, maximum	51060 kg (112568 lbs)

Document Title: Rocker arm shaft, tightening torques	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
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Rocker arm shaft, tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

Tighten the attaching bolts evenly spaced across the rocker arm shaft to avoid shear loads. Tighten the bolts according to steps 1 to 7; see tightening diagram.

Camshaft and bearing caps in place	
Tighten the bolts 1–7 in the order 4, 3, 5, 2, 6, 1, 7.	25 Nm (18 lbf ft)

NOTE!

The rocker arm shaft bolts may only be tightened three times. Mark the bolt head with a punch mark each time the bolt is tightened.

Rocker arm shaft in place	
Step 1: Tighten the bolts 8–14 gradually until the rocker arm shaft rests against the camshaft bearing caps	
Step 2: Tighten bolts 11, 9 and 13	90 ±5 Nm (66 ±4 lbf ft)
Step 3: Tighten the bolts 8, 10, 12, 14	60 ±5 Nm (44 ±4 lbf ft)
Step 4: Loosen bolts 11, 9 and 13	
Step 5: Tighten bolts 11, 9 and 13	60 ±5 Nm (44 ±4 lbf ft)
Step 6: Angle-tighten bolts 1–7 NOTE! Skip this step if the camshaft bearing caps has not been removed.	90° ±5°
Step 7: Angle-tighten bolts 8–14	120° ±5°

Document Title: Coolant with anti-freeze and corrosion protection, recommendation	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Coolant with anti-freeze and corrosion protection, recommendation

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

Coolant

The cooling system is filled with **Volvo Coolant VCS**. Always use the same coolant that the system was previously filled with.

NOTE!

To avoid damage to the engine, different coolants must NOT be mixed. Nor may pure water be used alone.

When using concentrated coolant and pure water the mixture must contain 40–60% concentrated coolant and 40–60% pure water. The content of coolant must not be less than 40% of the total mixture, see table below

Anti-freeze protection down to	Mixture of concentrated coolant
–25°C	40%
–35°C	50%
–46°C	60%

If there is any doubt whether or not the water is absolutely pure then ready mixed coolant must be used.

Pure water for the cooling system must also fulfil the following requirements

Description	Value
Total quantity of fixed particles	< 340 ppm
Total hardness	< 9.5° dH
Chloride	< 40 ppm
Sulphate	< 100 ppm
pH-value	5.5 – 9
Silicon	< 20 mg SiO ₂ /litre
Iron	< 0.10 mg FE/litre
Manganese	< 0.05 mg Mn/litre
Electrical conductive capacity	< 500 µS/cm
Organic content, COD-Mn	< 15 mg/litre

NOTE!

To avoid damage to the engine, different ready mixed coolants must not be mixed.

Document Title: Power take-off, tightening torque	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

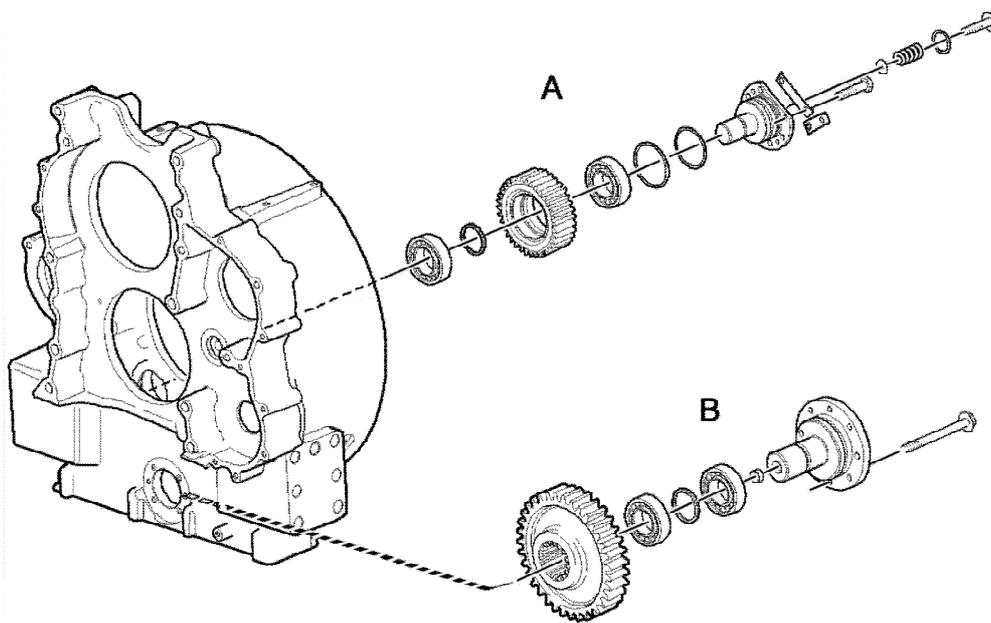
Power take-off, tightening torque

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

Between engine and transmission

Gear A	First tightening	10 – 15 Nm (7.3 – 11 lbf ft)
	Second tightening, apply thread locking fluid, medium	24 Nm (17.6 lbf ft)
Gear B		24 Nm (17.6 lbf ft)



V1074892

Figure 1
V1074892

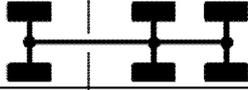
Document Title: Tyre equipment and recommended tyre pressures	Function Group: 030	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Tyre equipment and recommended tyre pressures

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

A25E

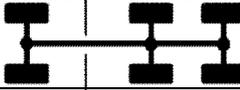
Ringtryck vid 24.0 tons last Tyre pressure at 24.0 metric ton payload		A25 E 6x6	
Däckutrustning Tyre equipment			
Bridgestone	23.5 R25 VLT **	375 kPa=54.5 psi	400 kPa=58.0 psi
Bridgestone	23.5 R25 VLT-S **	375 kPa=54.5 psi	400 kPa=58.0 psi
Continental	23.5 R25 STL2+ **	375 kPa=54.5 psi	430 kPa=62.5 psi
Continental	23.5 R25 STL3 **	375 kPa=54.5 psi	430 kPa=62.5 psi
Good Year	23.5 R25 RL-2+ **	375 kPa=54.5 psi	400 kPa=58.0 psi
Good Year	23.5 R25 TL-3A+ **	375 kPa=54.5 psi	400 kPa=58.0 psi
Good Year	23.5 R25 GP-4B **	375 kPa=54.5 psi	400 kPa=58.0 psi
Michelin	23.5 R25 XADN **	340 kPa=49.0 psi	375 kPa=54.5 psi
Michelin	23.5 R25 XADT **	340 kPa=49.0 psi	375 kPa=54.5 psi
Michelin	23.5R25 X-SUPERERRAIN **	340 kPa=49.0 psi	375 kPa=54.5 psi

Kontakta din lokala VOLVO 鈇鈇鈇鈇鈇鈇 鈇鈇 ringtryck vid 鈇鈇鈇鈇 d鈇鈇kutrusteringar
Contact your local VOLVO dealer for tyre pressure for other tyre equipment

11 197 664
V1051410

Figure 1

A30E

Ringtryck vid 28.0 tons last Tyre pressure at 28.0 metric ton payload		A30 E 6x6	
Däckutrustning Tyre equipment			
Bridgestone	23.5 R25 VLT **	400 kPa=58.0 psi	450 kPa=65.0 psi
Bridgestone	23.5 R25 VLT-S **	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
Continental	23.5 R25 STL2+ **	400 kPa=58.0 psi	500 kPa=72.5 psi
Continental	23.5 R25 STL3 **	400 kPa=58.0 psi	500 kPa=72.5 psi
Good Year	23.5 R25 RL-2+ **	400 kPa=58.0 psi	450 kPa=65.0 psi
Good Year	23.5 R25 TL-3A+ **	375 kPa=54.5 psi	450 kPa=65.0 psi
Good Year	23.5 R25 GP-4B **	400 kPa=58.0 psi	450 kPa=65.0 psi
Good Year	750/65 R25 RL-2+ **	350 kPa=51.0 psi	400 kPa=58.0 psi
Michelin	23.5 R25 XADN **	350 kPa=51.0 psi	400 kPa=58.0 psi
Michelin	23.5 R25 XADT **	350 kPa=51.0 psi	400 kPa=58.0 psi
Michelin	750/65 R25 XAD65-1 **	325 kPa=47.0 psi	375 kPa=54.5 psi
Michelin	23.5R25 X-SUPERERRAIN **	350 kPa=51.0 psi	400 kPa=58.0 psi

Kontakta din lokala VOLVO 鈹rf鈹rsjare f鈹r ringtryck vid 鈹riga d鈹rkutrustningar
Contact your local VOLVO dealer for tyre pressure for other tyre equipment

11 197 665
V1051411

Figure 2

Document Title: Recovering and towing	Function Group: 050	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Recovering and towing

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

WARNING

Before starting any recovery or towing work, make sure that the parking brake is applied and the wheels are blocked to prevent the machine from rolling. Extreme caution must be observed in connection with towing to prevent accidents and personal injuries.

WARNING

If the engine cannot be started, the brake and steering functions will be severely limited. In such cases, towing should only be performed in an emergency situation by experienced and trained personnel and only for the shortest possible distance (see towing). If possible, transport the machine on a trailer.

General

If possible, the engine should be running while recovering/towing the machine to ensure satisfactory braking and steering performance.

Recovering

Use a towbar, heavy-gauge cable or chain connected to the towing eyes at the front or rear of the machine to tow the machine to a suitable place or passable road.

Towing

- If the machine has to be towed to a workshop after recovery, use a towbar or heavy-gauge towing cable connected to the front towing eyes.
- A towbar must always be used if the machine that is to be towed has no brake function.
- The towing vehicle or machine must always be at least as heavy as the towed machine and have sufficient engine and braking power to tow and brake both machines on uphill and downhill grades.
- Always tow the shortest possible distance.
- Maximum towing speed under all conditions is 10 km/h.

NOTE!

The engine cannot be started by towing the vehicle.

Case 1 (with engine running)

The gearshift selector should be in neutral and the parking brake in the operating position. The machine can be towed for 10 km without taking special action.

Case 2 (without engine running)

Since the transmission is not lubricated when the engine is not running, the propeller shaft between the transmission and dropbox shall be removed. Then lubrication to the dropbox is maintained at the same time as the machine can be steered.

Removing the propeller shaft

1. Place the machine in service position.
2. Block the wheels so that the machine cannot start to roll and release all brakes.
3. Make sure that the front or rear wheels are slightly raised off the ground before removing the propeller shaft's bolts.

Filling compressed air system

If necessary, the compressed air system can be filled through the filler valve on the front part of the load unit frame by using compressed air from another machine.

Releasing the parking brake

When filling through the filler valve on the compressed air tank, the parking brake is released. The required minimum pressure is approx. 470 kPa (4.7 bar).

The parking brake control must be in the operating position, that is, not applied.

After recovering/towing

The following safety measures should be taken before removing the towbar, heavy-gauge cable or chain after recovering/towing:

1. Park the machine on a level surface.
2. Apply the parking brake.
3. Block the wheels to prevent the machine from rolling.

Document Title: Lifting machine	Function Group: 050	Information Type: Service Information	Date: 3/15/2025
Profile: A30E Volvo			

Lifting machine

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30E Volvo			

WARNING

Never stand under the machine when it is suspended in the air.

1. Lock the steering joint with the steering joint lock.

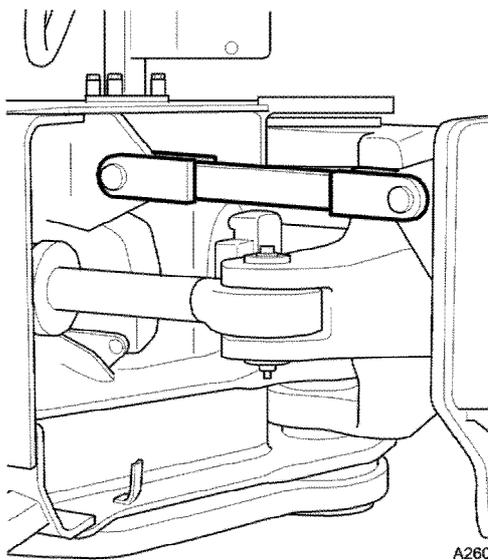


Figure 1

Steering joint lock

2. Block the rear wheels.
3. Release the parking brake and disengage the differential locks.
4. Lift the machine by the front lifting eyes in the frame.

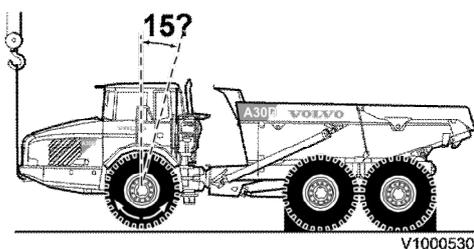


Figure 2

- Turn the front wheels so that the lifting eyes on the wheels are positioned as shown in the adjacent figure.

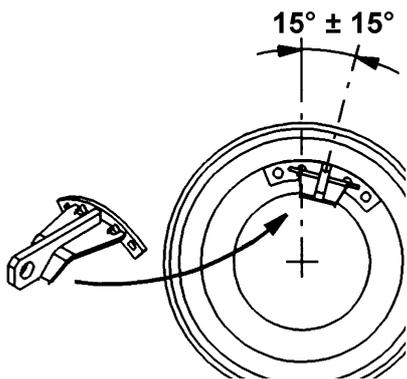


Figure 3



Do not lift the machine by the load body eyes.

- Block the front wheels.
- Place a lifting sling or strap under the rear end (chute) of the load body.

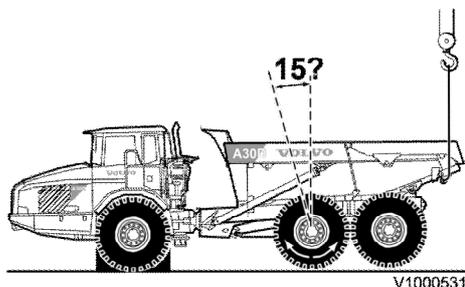


Figure 4

- Turn the front bogie wheels so that the lifting eyes on the wheels are positioned as shown in the adjacent figure.

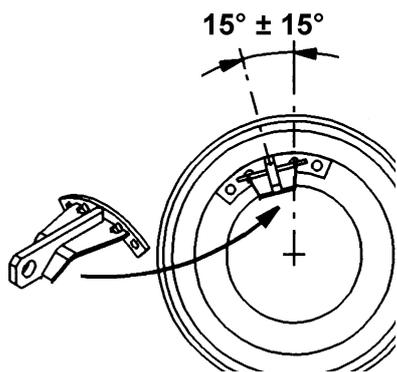


Figure 5

- Lower the machine.
- Apply the parking brake.



The distance between the lifting hook and the wheels' lifting eyes must be at least 8.5 metres.

- Lift the machine by the lifting eyes on the wheels.

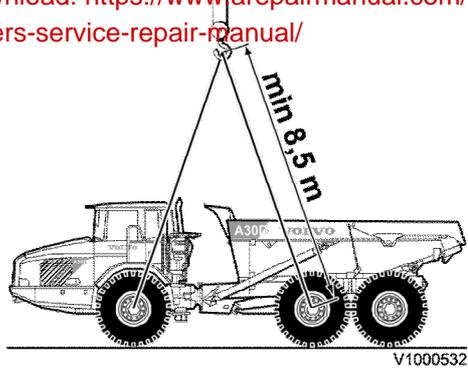


Figure 6

12. Lower the machine.
13. Disconnect the steering joint lock before the machine is operated.