

Document Title: Test	Function Group: 000	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

Hydraulics

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo			

HYDRAULICS

The following information is displayed on the unit:

- Engine dep. xxx bar
- Shows hydraulic oil pressure from engine-dependent pumps in bar/psi.
- Ground dep. xxx bar
- Shows hydraulic oil pressure from ground-dependent pump in bar/psi.

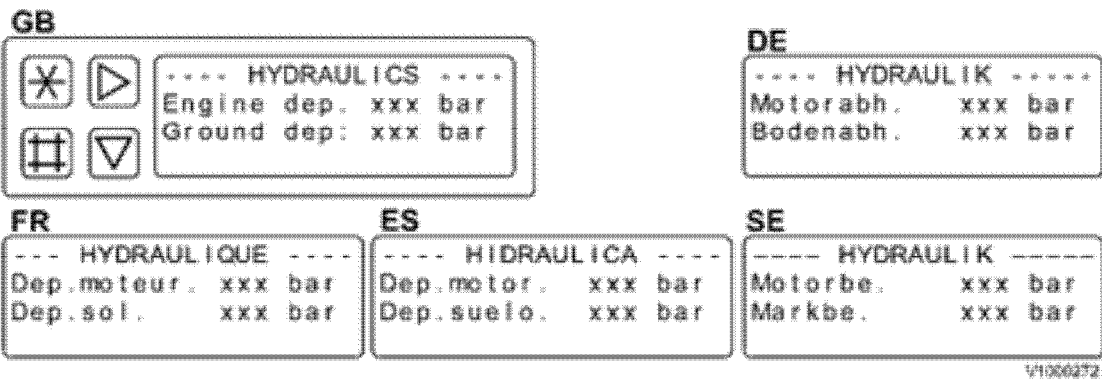


Figure 1
HYDRAULICS, all languages

VOLVO CONTRONIC			
		- - - HYDRAULICS - - -	
		Engine dep.	xxx bar
		Ground dep.	xxx bar

HYDRAUL TANK VALVE

NOTE!

The valve is discontinued on machines of later version, see SE9101, [Wiring diagram A24](#).

See also [35F9901 Parameters](#), [MO21 module start-stop](#).

The following information is displayed on the unit:

- Closed no start
- Activated
- Deactivated

The key is used to shift between activated and not activated.



Figure 2
HYDRAUL TANK VALVE

VOLVO CONTRONIC			
		HYDRAUL TANK VALVE	*
		Closed not start	
		Enabled	

Document Title: Product identification plates	Function Group: 000	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

Product identification plates

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D 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.

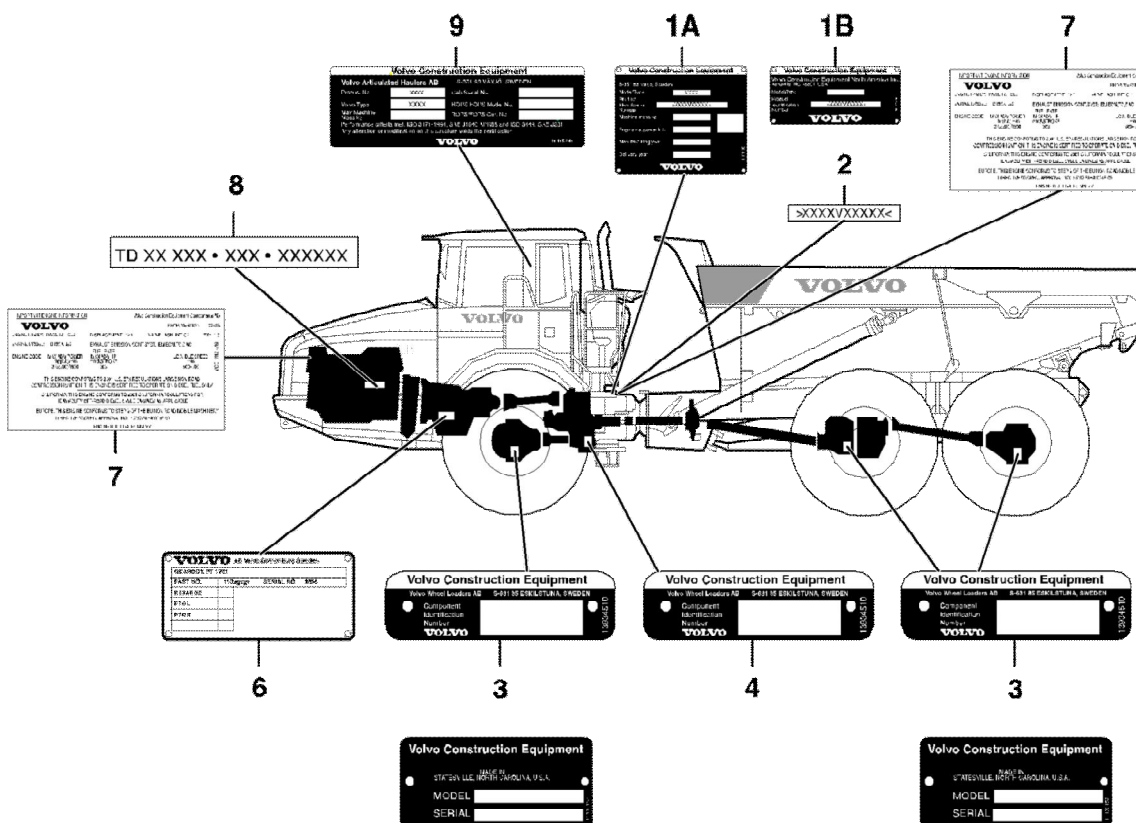


Figure 1
Position of product identification plates

1. 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.
2. The machine's serial number is also stamped on the right side of the tractor unit's frame, by the steering joint.
3. Drive axle serial numbers are located on the axle housing.
4. 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: 3/14/2025
Profile: A30D Volvo			

Information and warning decals

Showing Selected Profile

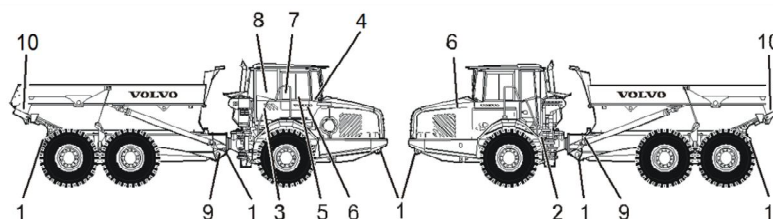
Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo			

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.

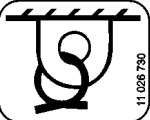
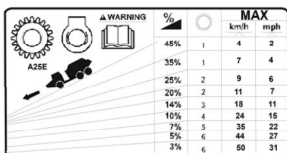
NOTE!

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

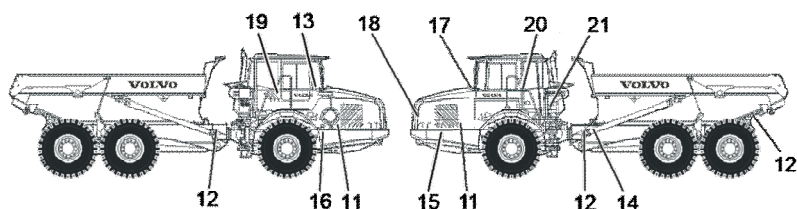


V1086510

Figure 1

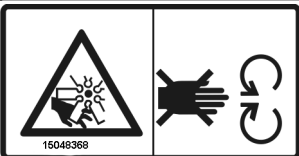
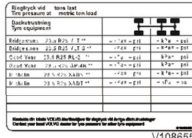
 1. Attaching point for lashing	 2. Battery disconnect switch
 3. Avoid spraying water at air inlets.	 4. Retarder diagram
 5. WARNING! Do not operate downhill with the gear selector in N-position. Only shift gears with the gas pedal let up.	NOTICE: R134a AC-SYSTEM System designed acc. to SAE J639 rev.nov91 Caution: System to be serviced by VCE qualified personnel. See VCE service instruction. Volvo Construction Equipment Volvo Construction Equipment LUFTKOND. FYLLED MED 2,3-8,1 KG R134a ÖPPNINGSTRYCK SÄKERHETSVENTIL 38±3 BAR AIR COND. CHARGED WITH 2,3-8,1 KG R134a HIGH PRESSURE RELIEF VALVE SETTING 38±3 BAR 6. Air conditioning filled with R134a. Opening pressure safety valve (optional equipment)

WARNING ! ANVÄND INTE DEN ÖVERHUNGEN BAKLÄMME. OM RISK FÖR, GÖR ATT DENNA KAN ULÖSLÄSAS I VID ÖPPNING OLYCKOR TILL FÖLJAV AV ATT MASKINEN VÄLTER ELLER ATT UNDERLAGET GER VÄGA KAN FÖRÖRSÄKA PERSONS- OCH/ OCH S-NDOR PÅ MÄNSKEN V1086534 7. WARNING! Do not use the overhung tailgate (optional equipment) if there is any risk that it can block the load when dumping. Accidents as a result of the machine turning over or the ground giving way can cause personal injuries and machine damage.	 V1086535 8. Emergency exit
 V1054169 9. WARNING! Risk of crushing – frame steering	 V1086544 10. WARNING! Do not enter the work area of a reversing machine



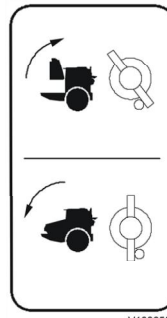
V1164407

Figure 2

 V1054166 11. WARNING! Rotating fan	 V1086549 12. WARNING! Do not lean in under a raised load body without first securing it.
 V1054173 13. Pressurized brake system	 V1086550 14. Tire pressure
 V1086552 15. Hydraulic oil	 V1054186 16. Fuel



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



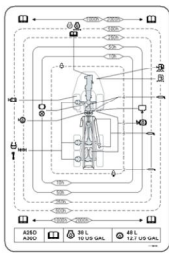
18. Engine hood



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



20. Sound power level (LwA) around the machine



21. Service decal

Document Title: Hydraulic cylinder, description	Function Group: 000	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

Steering cylinder, description

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo			

There are two models of steering cylinders depending on serial number, see table below.

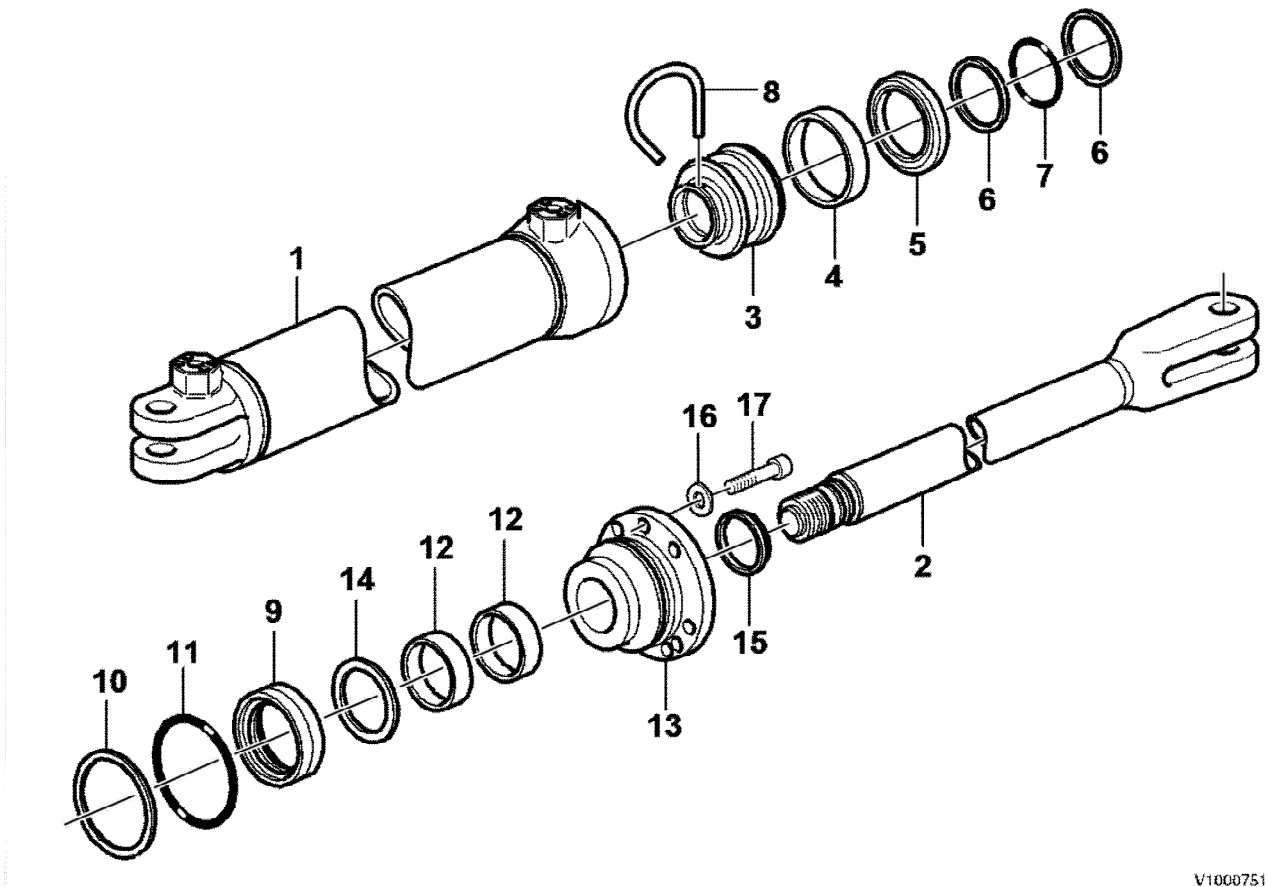
Model A

Machine	Place of manufacture, serial number	
	EU	Brazil
A25D	–11949	–XXXXX
A30D	–10583	–70028

Model B

Machine	Place of manufacture, serial number	
	EU	Brazil
A25D	11950–	XXXXX–
A30D	10584–	70029–

Model A



V1000751

Figure 1
Steering cylinder model A

Pos.	Description	Pos.	Description
1	Cylinder barrel	10	Back-up ring
2	Piston rod	11	O-ring
3	Piston	12	Guide ring
4	Guide ring	13	Piston rod guide
5	Piston seal	14	Back-up ring
6	Back-up ring	15	Scraper
7	O-ring	16	Spring washer
8	Lock brace	17	Bolt
9	Piston rod seal		

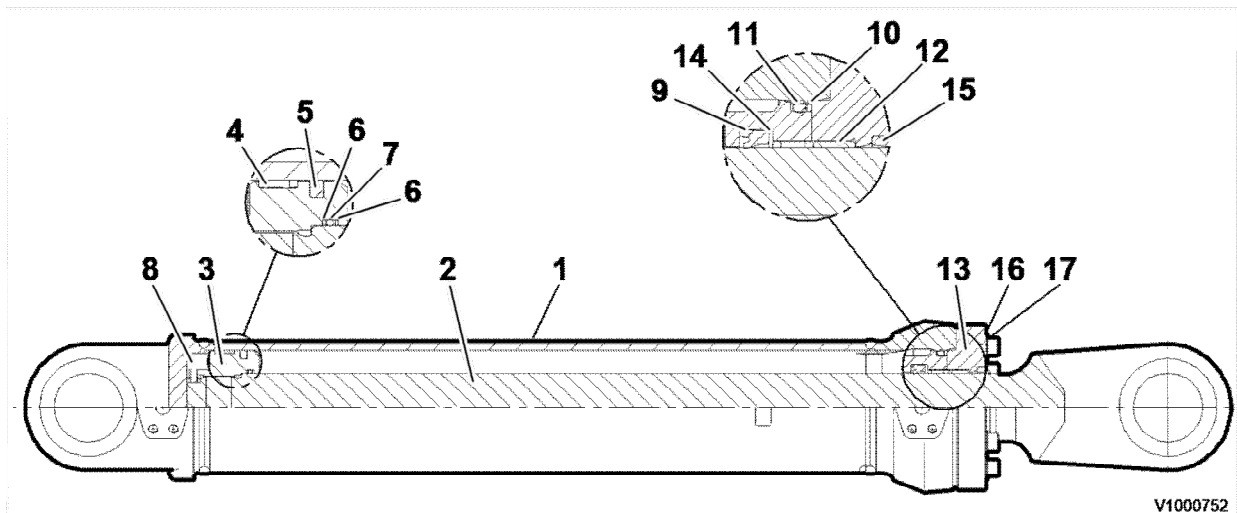
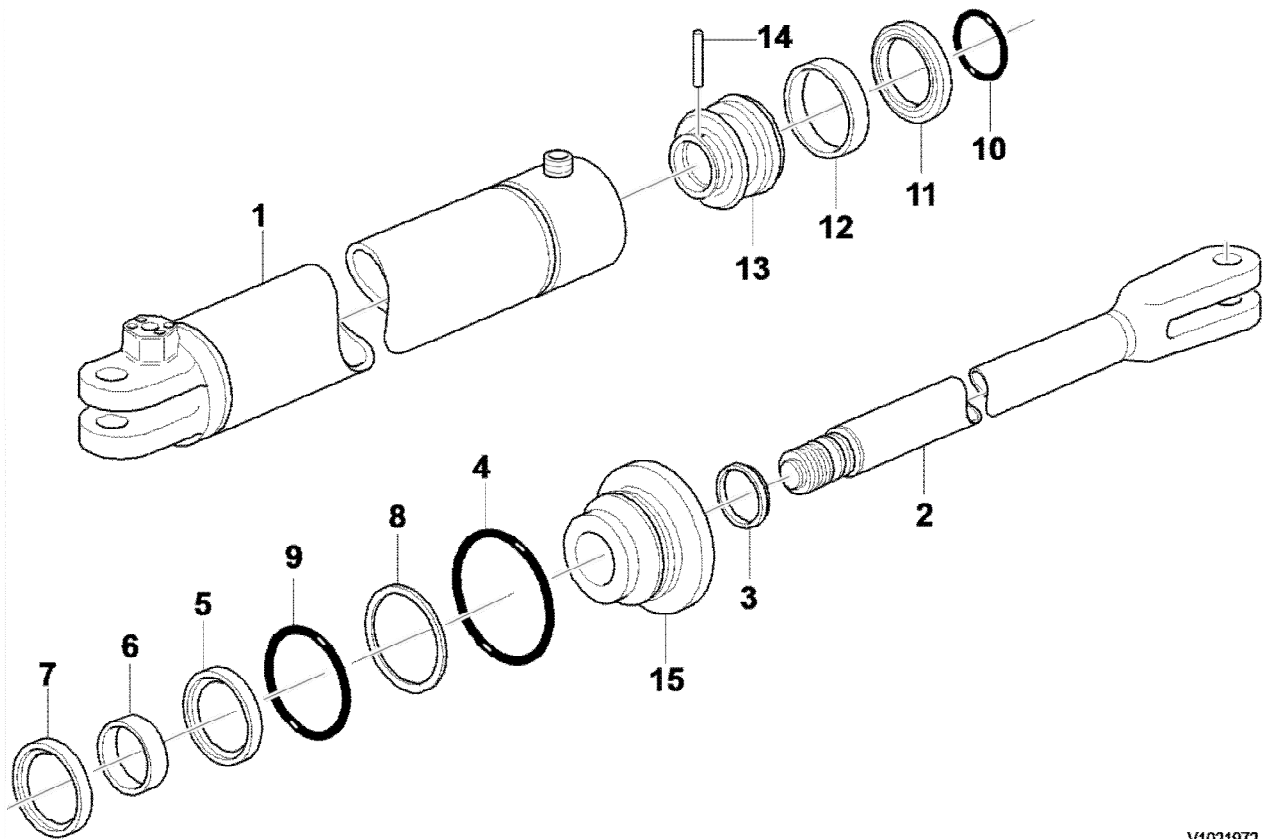


Figure 2
Steering cylinder, cut-away view, model A

Pos.	Description	Pos.	Description
1	Cylinder barrel	10	Back-up ring
2	Piston rod	11	O-ring
3	Piston	12	Guide ring
4	Guide ring	13	Piston rod guide
5	Piston seal	14	Back-up ring
6	Back-up ring	15	Scraper
7	O-ring	16	Spring washer
8	Lock brace	17	Bolt
9	Piston rod seal		

Model B



V1021972

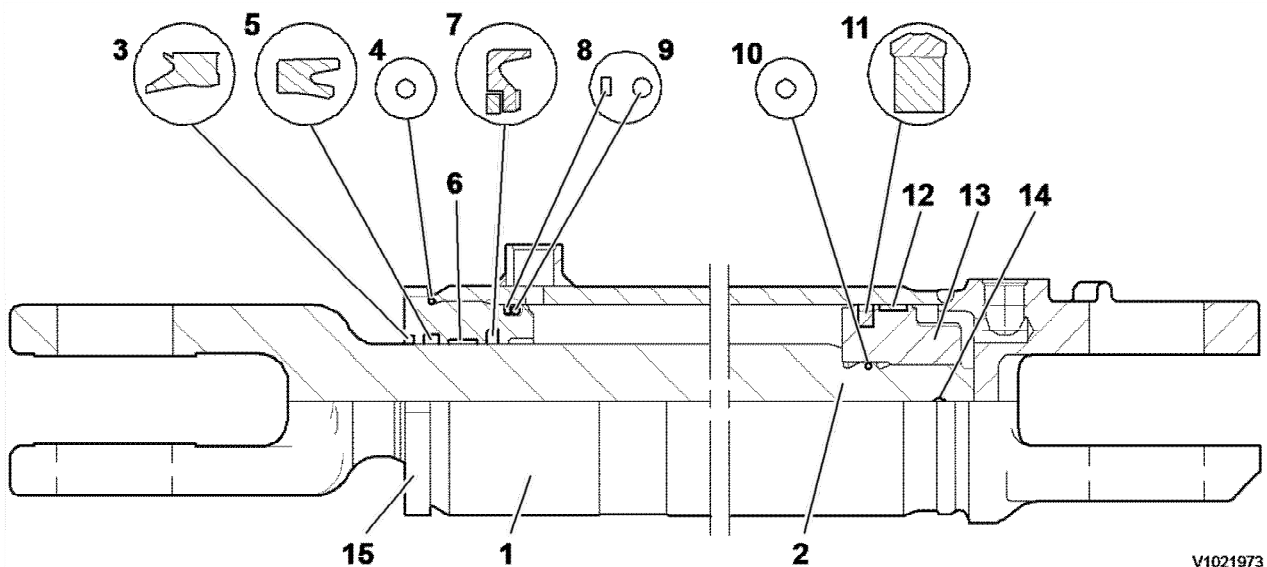
Figure 3
Model B

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 4
Steering cylinder, cut-away view, model B

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: 3/14/2025
Profile: A30D Volvo			

Tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D 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 coarse 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: Machine dimensions	Function Group: 030	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

Machine dimensions

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo			

A30D

The letters in the figures refer to the table below.

Dimensions apply to unloaded machine	dimension	mm	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°	

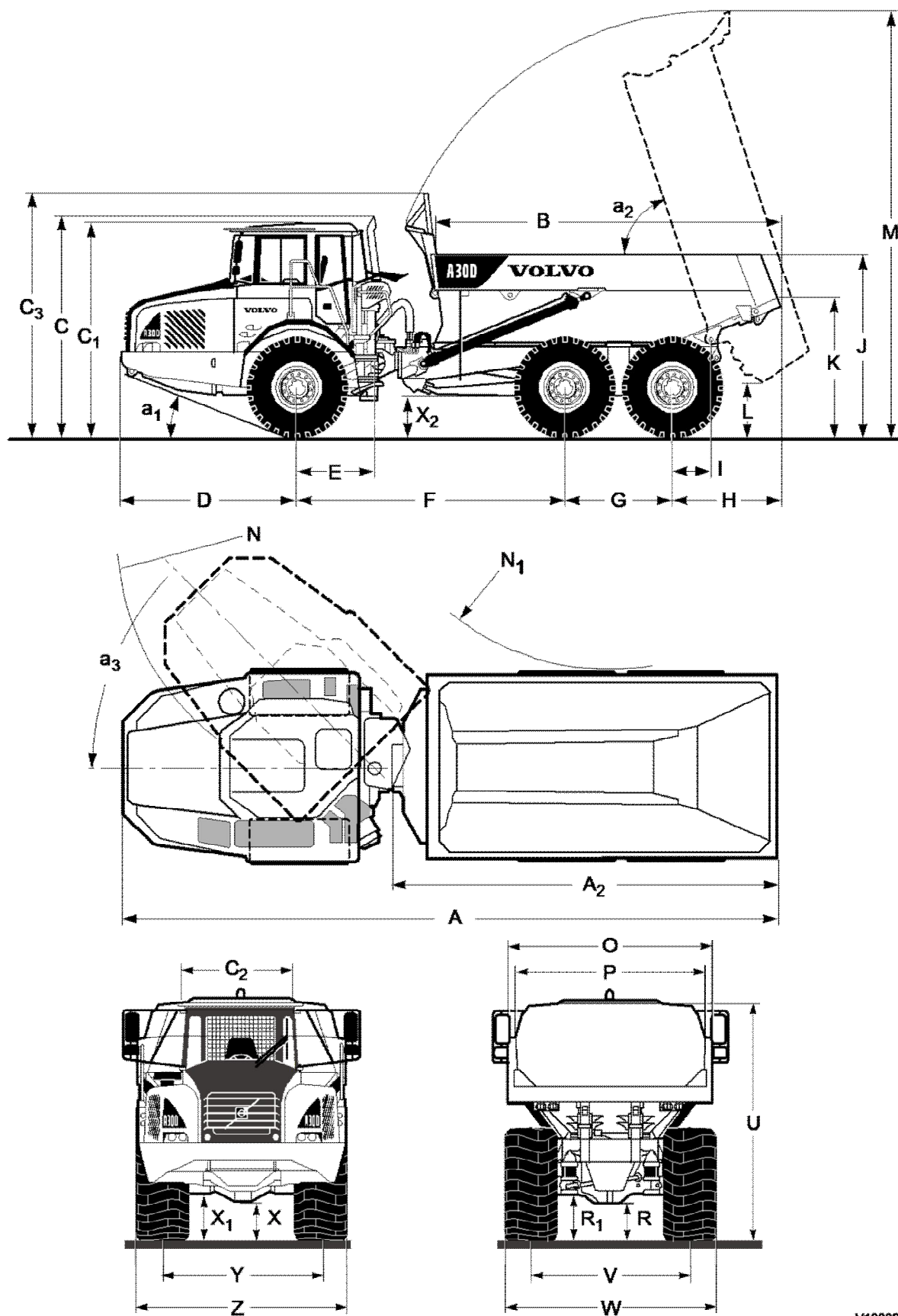


Figure 1

V1000615

Document Title: Capacities	Function Group: 030	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

Capacities

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D 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: 3/14/2025
Profile: A30D Volvo			

Weights

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D 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: 3/14/2025
Profile: A30D Volvo			

Rocker arm shaft, tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D 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°

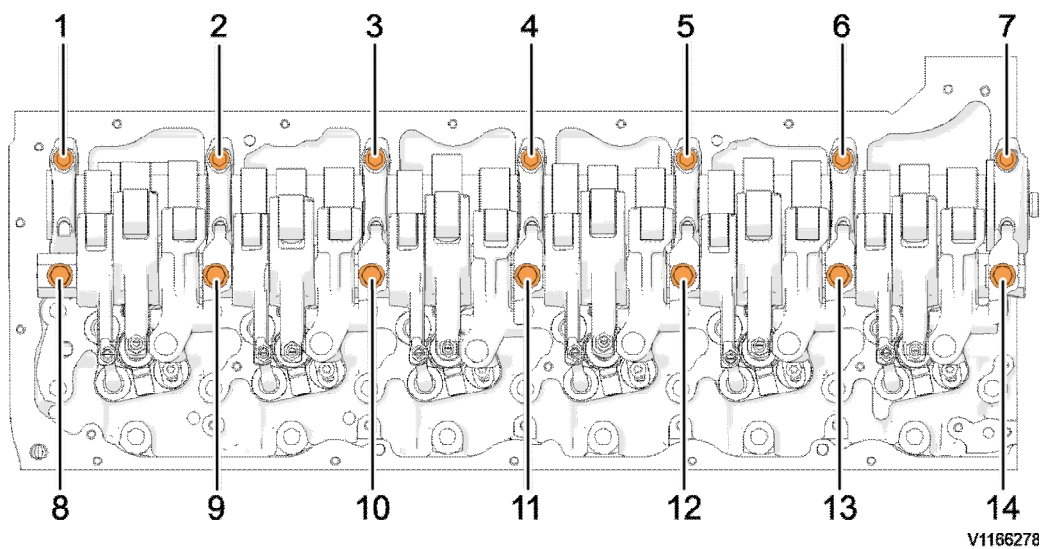


Figure 1

Bearing cap bolts, rocker arms

Document Title: Coolant with freezing and corrosion protection	Function Group: 030	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

Coolant with freezing and corrosion protection

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo			

Anti-freeze

Check the anti-freeze every 500 hours.

At delivery, the cooling system is filled with a mixture of 50% water and 50% Volvo Construction Equipment concentrated coolant with freezing protection down to -25°C.

If there's a risk that the ambient temperature drops below this temperature, the freezing protection should be adjusted, see below.

Corrosion protection

Volvo Construction Equipment concentrated coolant contains active corrosion protection additives to protect engine and radiator. These additives have a limited service life. Therefore, change the coolant every **3000 hours**.

NOTE!

Volvo Construction Equipment concentrated coolant may not be mixed with other brands of coolant or additives. Mixing could have negative effects.

Volume and change volume cooling system; see Engine, capacities.

The content of concentrated coolant with anti-freeze protection may not be below 40%.

40% provides protection against freezing down to -25° C.

50% provides protection against freezing down to -37° C.

Document Title: Tyre equipment and recommended tyre pressures	Function Group: 030	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

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Tyre equipment and recommended tyre pressures

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo			

A25D

Ringtryck vid 24.0 tons last Tyre pressure at 24.0 metric ton payload		A25 D 6x6	
Däcksutrustning 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	
Good Year 23.5 R25 RL-2+ **	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	
Kontakta din lokala VOLVO återförsäljare för ringtryck vid övriga däcksutrustningar Contact your local VOLVO dealer for tyre pressure for other tyre equipment			
11 121 072 P01			

V1000956

Figure 1
V1000956
A30D

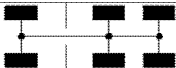
Ringtryck vid 28.0 tons last Tyre pressure at 28.0 metric ton payload		A30 D 6x6	
Däcksutrustning Tyre equipment			
Bridgeston 23.5 R25 VLT **	400 kPa=58.0 psi	450 kPa=65.0 psi	
Bridgestone 23.5 R25 VLT-S **	400 kPa=58.0 psi	450 kPa=65.0 psi	
Bridgestone 750/65 R25 VLT **	375 kPa=54.5 psi	400 kPa=58.0 psi	
Good Year 23.5 R25 RL-2+ **	400 kPa=58.0 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	
Kontakta din lokala VOLVO återförsäljare för ringtryck vid övriga däcksutrustningar Contact your local VOLVO dealer for tyre pressure for other tyre equipment			
11 121 073 P01			
V1000957			

Figure 2
V1000957

Document Title: Tyre equipment and recommended tyre pressures	Function Group: 030	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

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Tyre equipment and recommended tyre pressures

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo	Braås	12908	19999
A30D Volvo	Pederneiras	74001	79999

A25D

Ringtryck vid 24.0 tons last Tyre pressure at 24.0 metric ton payload		A25 D 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-SUPER TERRAIN	340 kPa=49.0 psi	375 kPa=54.5 psi
Kontakta din lokala VOLVO 經銷商 för ringtryck vid andra däckutrustningar Contact your local VOLVO dealer for tyre pressure for other tyre equipment			

11 197 664

V1050058

Figure 1

A30D

Ringtryck vid 28.0 tons last Tyre pressure at 28.0 metric ton payload		A30 D 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-SUPER TERRAIN	350 kPa=51.0 psi	400 kPa=58.0 psi
Kontakta din lokala VOLVO återförsäljare för ringtryck vid andra däckutrustningar Contact your local VOLVO dealer for tyre pressure for other tyre equipment			
		11 197 665	

V1050057

Figure 2

Document Title: Lubrication system, specifications	Function Group: 030	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

Lubrication system, specifications

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo			

Lubrication system, D10

Machine	Place of manufacture, serial number		
	EU	US	Brazil
A25D	11001–12999	61001–61118	71001–71999
A30D	10001–11999	60001–60093	70001–72999

Oil pressure, min. at low idle speed (warm engine)	200 kPa (2 bar) (29.0 psi)
Oil pressure, operating speed (warm engine)	350-600 kPa (3.5 –6.0 bar) (50.7–87.0 psi)

Lubrication system, D9

Machine	Place of manufacture, serial number		
	EU	US	Brazil
A25D	13001–	–	72000–
A30D	12001–	–	73000–

Oil pressure, min. at low idle speed (warm engine)	min. 270 kPa (2.7 bar) (39 psi)
Oil pressure, operating speed (warm engine)	300–550 kPa (3–5.5 bar) (44–80 psi)

Document Title: Recovering and towing	Function Group: 050	Information Type: Service Information	Date: 3/14/2025
Profile: A30D Volvo			

Recovering and towing

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D 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: 3/14/2025
Profile: A30D Volvo			

Lifting machine

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A30D Volvo			

! WARNING

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

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

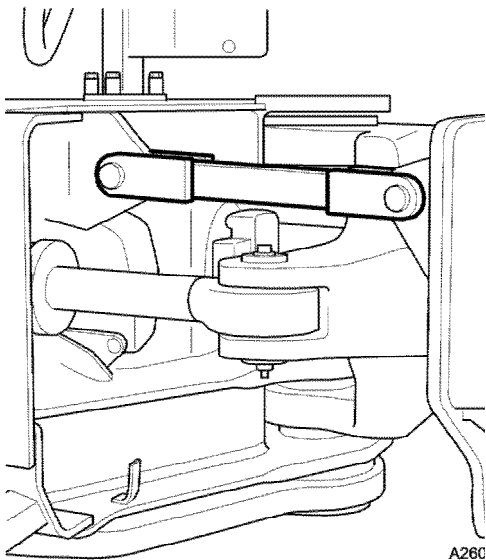


Figure 1

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.

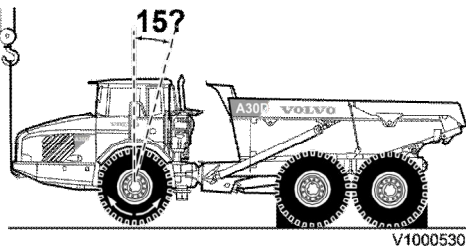


Figure 2