

Document Title: Test	Function Group: 000	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Hydraulics

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D 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.

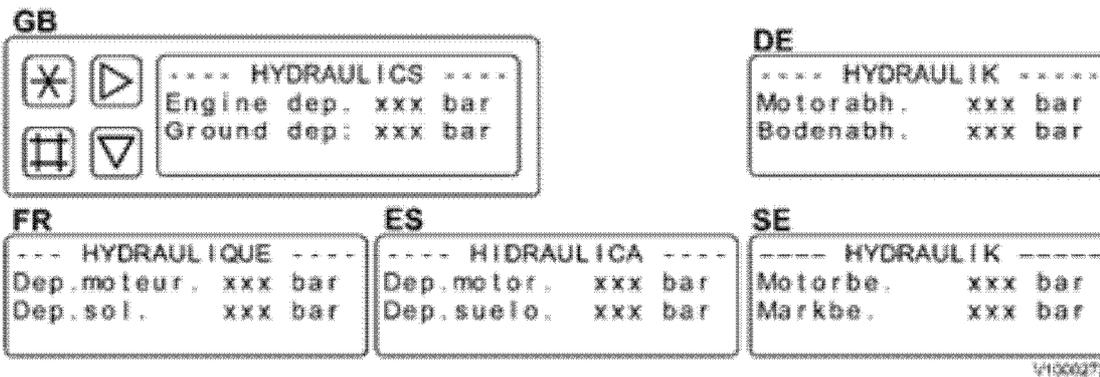


Figure 1
HYDRAULICS, all languages

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.

Sample of manual. Download All 3555 pages at:

<https://www.arepairmanual.com/downloads/volvo-a35d-articulated-haulers-service-repair-manual/>



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: 3/27/2025
Profile: A35D Volvo			

Product identification plates

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D 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.

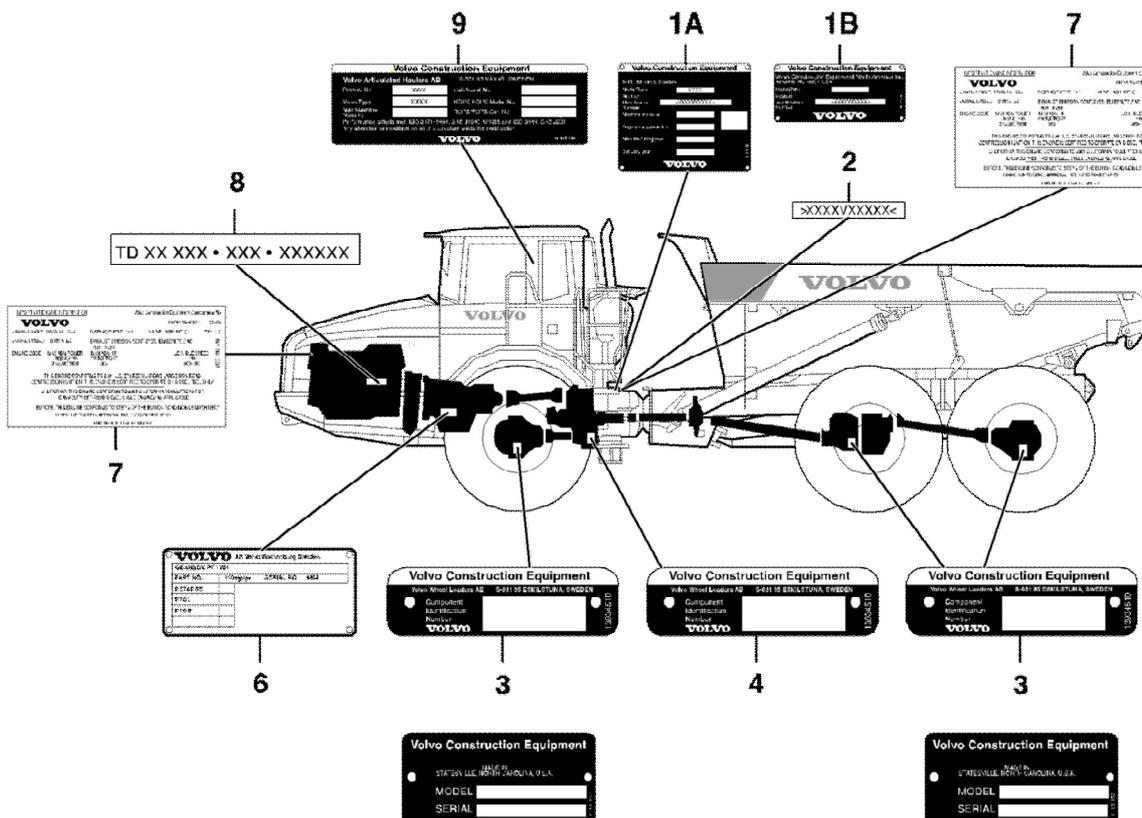


Figure 1
Position of product identification plates

- 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: 3/27/2025
Profile: A35D Volvo			

Information and warning decals

Showing Selected Profile

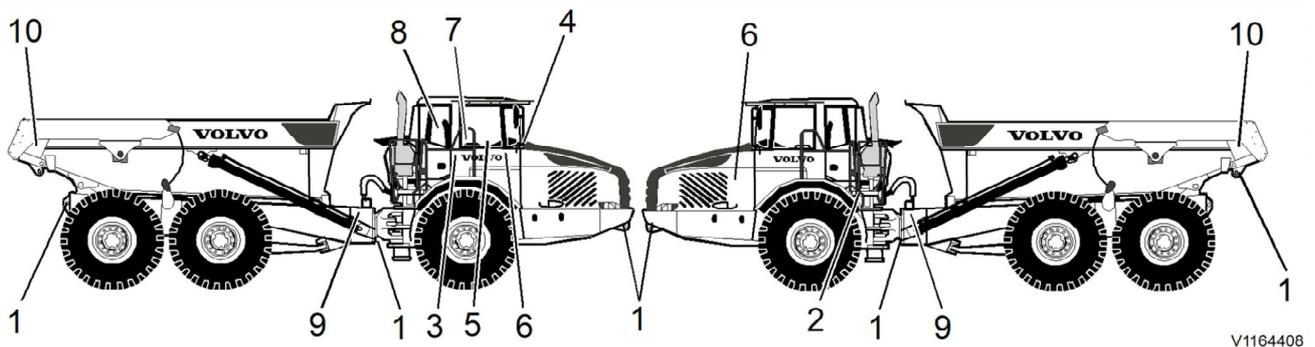
Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

Below are the warning and information texts found on the machine. The operator must be familiar with and observe the warnings and information given on labels and plates. Decals / plates that are missing, damaged, painted over or otherwise no longer legible must be replaced immediately.

Spare part number (order number) is shown on each plate / decal, as well as in the spare parts catalogue.

NOTE!

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



V1164408

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 decal</p> <table border="1"> <thead> <tr> <th rowspan="2">%</th> <th colspan="2">MAX</th> </tr> <tr> <th>km/h</th> <th>mph</th> </tr> </thead> <tbody> <tr> <td>45%</td> <td>3</td> <td>2</td> </tr> <tr> <td>35%</td> <td>5</td> <td>3</td> </tr> <tr> <td>25%</td> <td>8</td> <td>5</td> </tr> <tr> <td>20%</td> <td>12</td> <td>7</td> </tr> <tr> <td>14%</td> <td>18</td> <td>11</td> </tr> <tr> <td>10%</td> <td>25</td> <td>16</td> </tr> <tr> <td>7%</td> <td>30</td> <td>18</td> </tr> <tr> <td>5%</td> <td>50</td> <td>31</td> </tr> <tr> <td>3%</td> <td>57</td> <td>34</td> </tr> </tbody> </table> <p>Part number: V1088117</p>	%	MAX		km/h	mph	45%	3	2	35%	5	3	25%	8	5	20%	12	7	14%	18	11	10%	25	16	7%	30	18	5%	50	31	3%	57	34
%	MAX																																
	km/h	mph																															
45%	3	2																															
35%	5	3																															
25%	8	5																															
20%	12	7																															
14%	18	11																															
10%	25	16																															
7%	30	18																															
5%	50	31																															
3%	57	34																															



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 rwh.nov91
 Caution: System to be serviced by VCE qualified personnel.
 See VCE service instruction.
Volvo Construction Equipment

Volvo Construction Equipment
 LÜFTKÖND FYLLED MED 2.3-8.1 KG R134a
 ÖPPNINGSTRÖCK 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)

VARNING!
 ANVÄND INTE DEN ÖVERHUNGSBÄRLÄMME
 OM RISK FÖREGGES GÖRÅTT DENNA
 KAN ULOGLIGA LÅST VID IPPNING
 ÖLYCKOR TILL FÖLJ DÅ ATT MASINEN VÄLTER
 ELLER ATT UNDERLAGET GER VÄGA
 KAN FÖRORSÅKA PERSONSKADOR OCH SÄNDOR PÅ MASINEN



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.

8. Emergency exit



9. WARNING! Risk of crushing – frame steering



10. WARNING! Do not enter the work area of a reversing machine

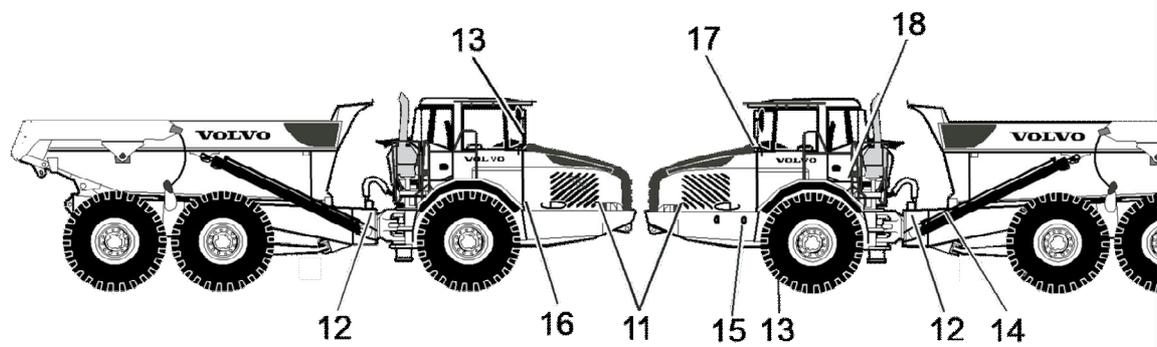


Figure 2



11. WARNING! Rotating fan



12. WARNING! Do not lean in under a raised load body without first securing it.



V1054173

4948092

13. Pressurized brake system

Dinghytyökäyttö - huolto		Dinghytyökäyttö - huolto	
Dinghytyökäyttö - huolto		Dinghytyökäyttö - huolto	
1. Työvälineet	1. Työvälineet	1. Työvälineet	1. Työvälineet
2. Työvälineet	2. Työvälineet	2. Työvälineet	2. Työvälineet
3. Työvälineet	3. Työvälineet	3. Työvälineet	3. Työvälineet
4. Työvälineet	4. Työvälineet	4. Työvälineet	4. Työvälineet
5. Työvälineet	5. Työvälineet	5. Työvälineet	5. Työvälineet
6. Työvälineet	6. Työvälineet	6. Työvälineet	6. Työvälineet
7. Työvälineet	7. Työvälineet	7. Työvälineet	7. Työvälineet
8. Työvälineet	8. Työvälineet	8. Työvälineet	8. Työvälineet
9. Työvälineet	9. Työvälineet	9. Työvälineet	9. Työvälineet
10. Työvälineet	10. Työvälineet	10. Työvälineet	10. Työvälineet
11. Työvälineet	11. Työvälineet	11. Työvälineet	11. Työvälineet
12. Työvälineet	12. Työvälineet	12. Työvälineet	12. Työvälineet
13. Työvälineet	13. Työvälineet	13. Työvälineet	13. Työvälineet
14. Työvälineet	14. Työvälineet	14. Työvälineet	14. Työvälineet
15. Työvälineet	15. Työvälineet	15. Työvälineet	15. Työvälineet
16. Työvälineet	16. Työvälineet	16. Työvälineet	16. Työvälineet
17. Työvälineet	17. Työvälineet	17. Työvälineet	17. Työvälineet
18. Työvälineet	18. Työvälineet	18. Työvälineet	18. Työvälineet
19. Työvälineet	19. Työvälineet	19. Työvälineet	19. Työvälineet
20. Työvälineet	20. Työvälineet	20. Työvälineet	20. Työvälineet

V1086550

14. Tire pressure



13935016

V1086552

15. Hydraulic oil



11055037

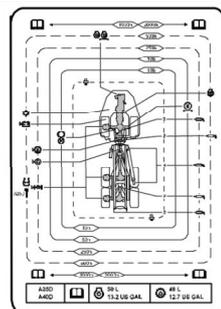
V1054186

16. Fuel



V1054188

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



V1088113

18. Service decal

Document Title: Hydraulic cylinder, description	Function Group: 000	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Steering cylinder, description

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

There are two steering cylinder versions depending on serial number

Version 1	Place of manufacture, serial number		
Machine			
	EU		Brazil
A35D	-11762		-71113
A40D	-10848		-XXXXX

Version 2	Place of manufacture, serial number		
Machine			
	EU		Brazil
A35D	11763-		71114-
A40D	10849-		XXXXX-

Version 1

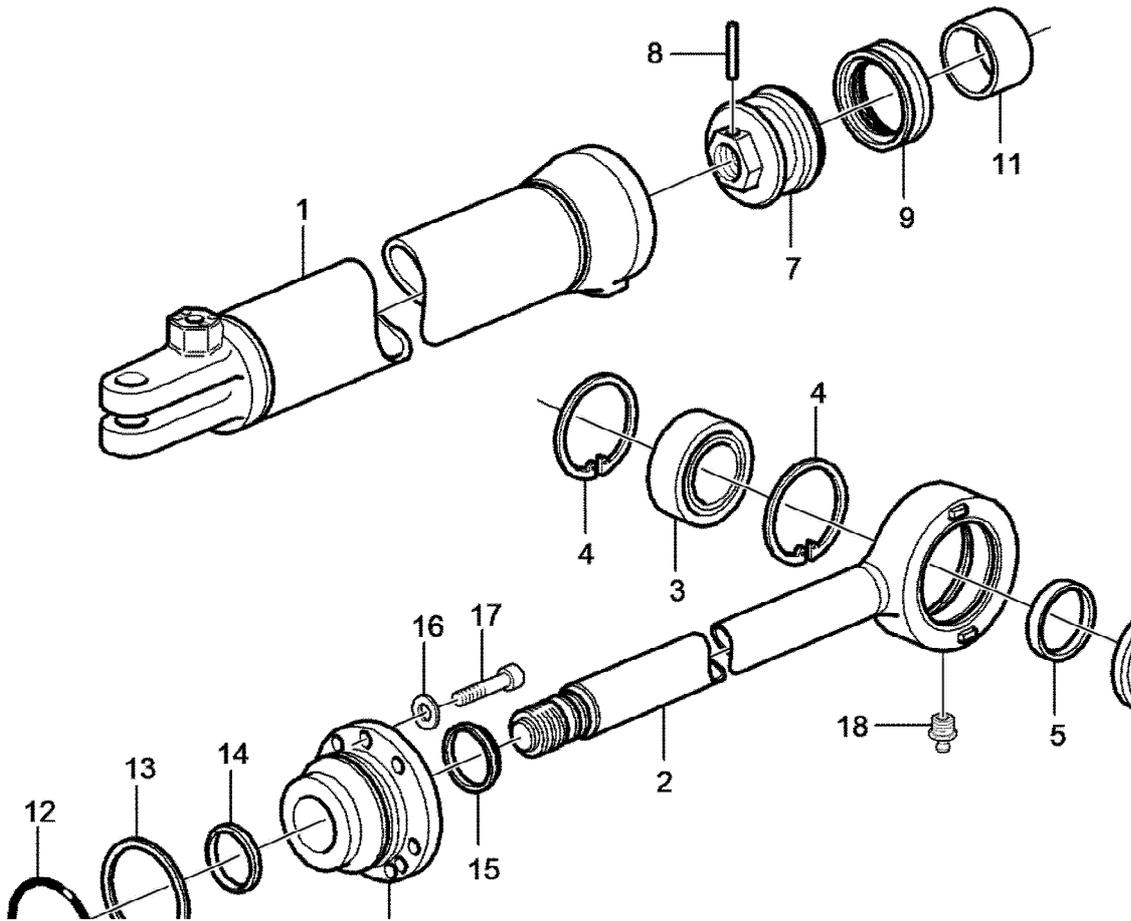
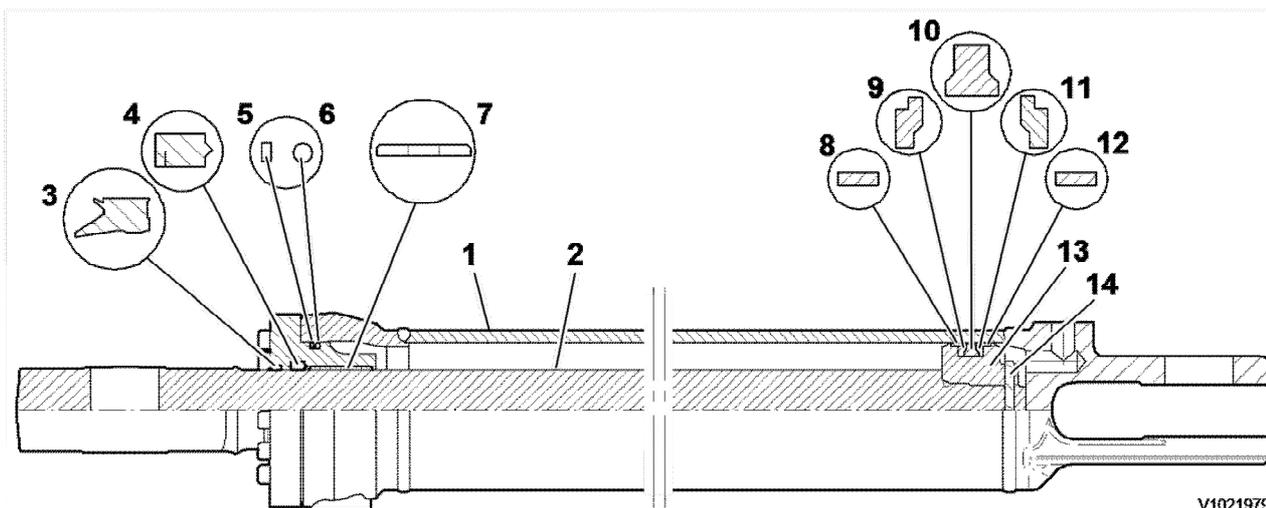


Figure 1
Version 1

Pos.	Description	Pos.	Description
1	Cylinder barrel	10	Piston rod guide
2	Piston rod	11	Guide ring
3	Roller bearing	12	O-ring
4	Circlip	13	Back-up ring
5	Sleeve	14	Piston rod seal
6	Sealing ring	15	Scraper
7	Piston	16	Spring washer
8	Pin	17	Screw
9	Piston seal	18	Nipple



V1021979

Figure 2

Version 1

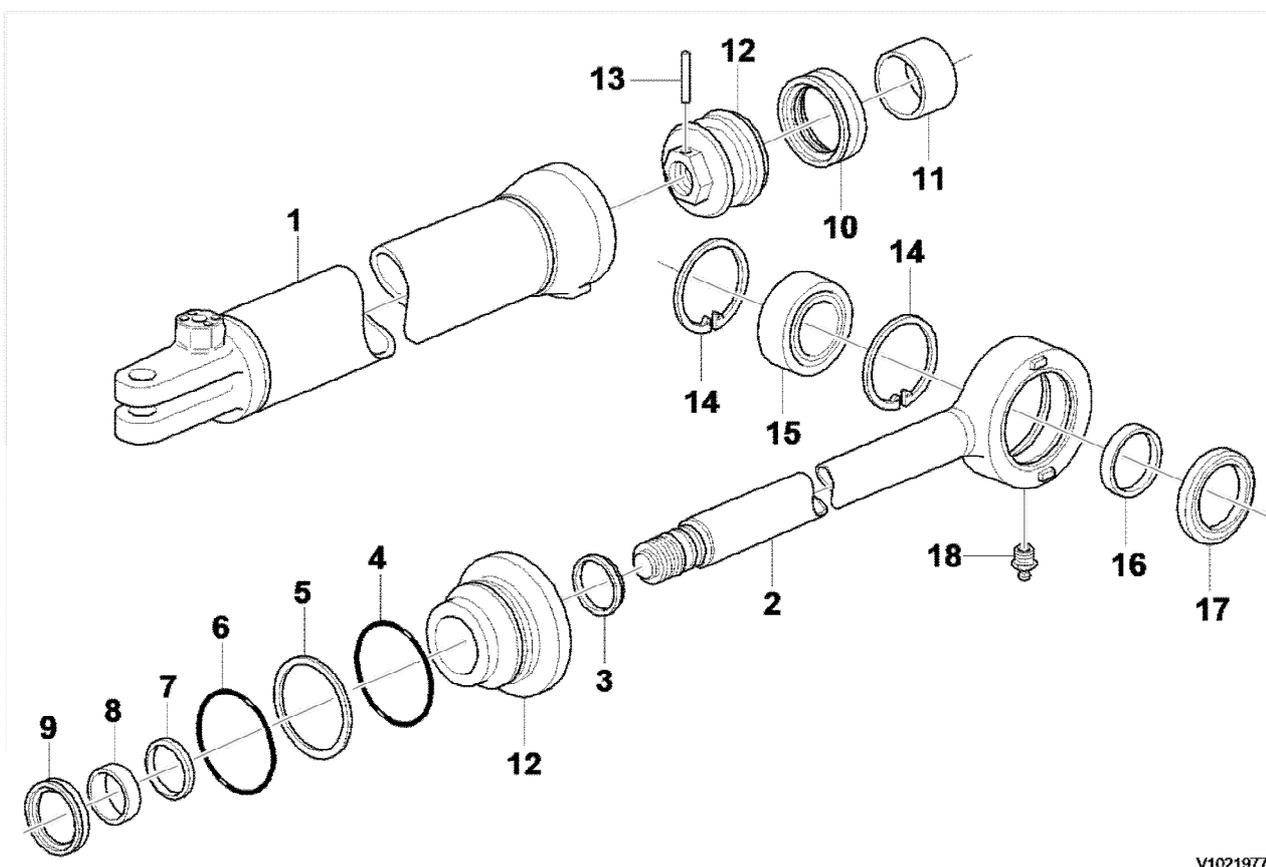
Pos.

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

Pos.

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

Version 2

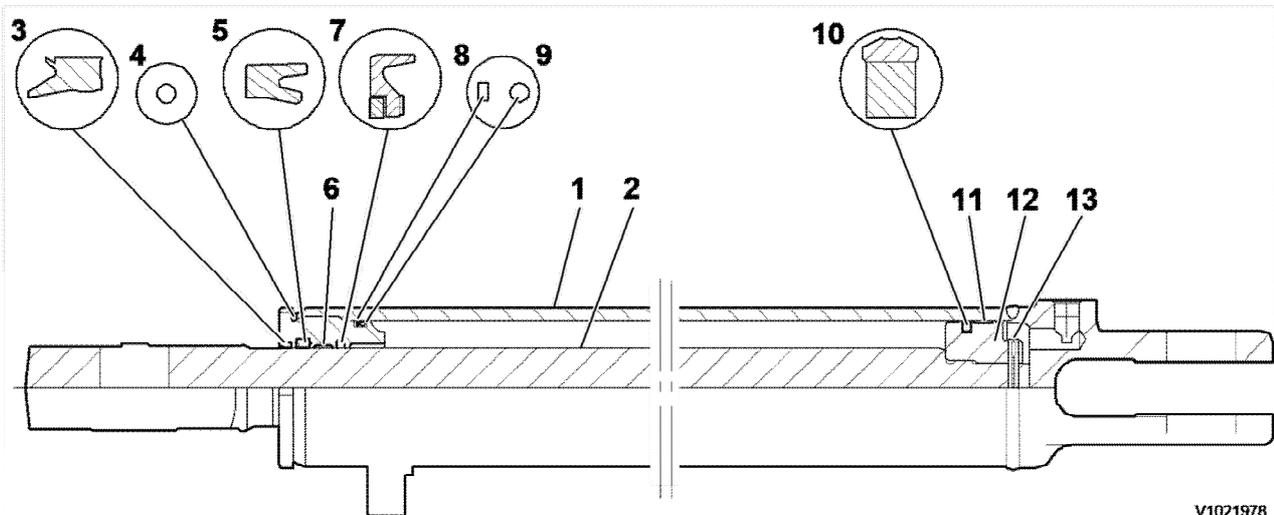


V1021977

Figure 3

Version 2

Pos.		Pos.	
1	Cylinder barrel	10	Piston seal
2	Piston rod	11	Guide ring
3	Scraper	12	Piston
4	O-ring	13	Lock pin
5	Back-up ring	14	Circlip
6	O-ring	15	Roller bearing
7	Piston rod seal	16	Muff
8	Guide ring	17	Sealing ring
9	Piston rod seal	18	Nipple



V1021978

Figure 4

Version 2

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

Document Title: Tightening torques	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo, A35D Volvo			

Tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo	Braås	13274	19999
A35D Volvo	Braås	13274	19999
A35D Volvo	Pederneiras	72207	79999
A35D Volvo	Pederneiras	72207	79999

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: 3/27/2025
Profile: A35D Volvo			

Volvo standard tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D 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: Dimensional diagram A35D	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Dimensional diagram A35D

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

The letters in the figure refer to the text on the next page.

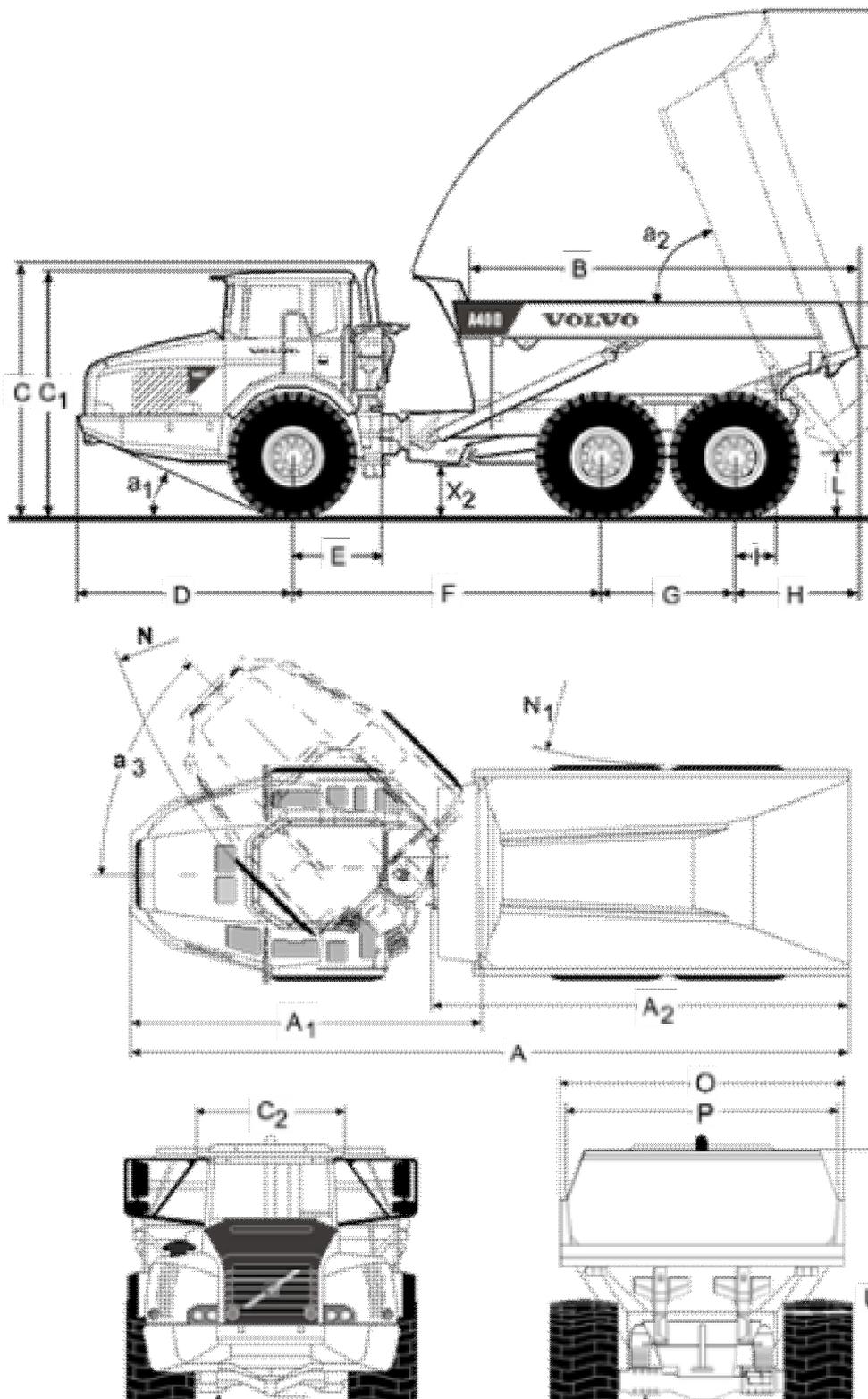


Figure 1

Document Title: Dimensions for A35D with 26.5 R-25 tyres	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Dimensions for A35D with 26.5 R-25 tyres

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

Dimensions apply to unloaded machine	dimension	mm (inch)
Total length	A	11167
Total length, tractor unit	A1	5469
Total length, trailer unit	A2	6224
Load body length, standard body	B	5527
Total height at top of exhaust pipe	C	3681
Height to cab roof	C1	3560
Width across cab	C2	1768 (69.6)
Overhang, towing eyes	D	3101
Distance, front axle - steering centre (articulation joint)	E	1276
Distance, drive axles	F	4501
Distance, bogie axles	G	1820
Overhang, rear	H	1757
Overhang, frame	I	728
Loading height	J	2912
Height to load body	K	2302
Free dumping height	L	915
Total height, elevated load body	M	7242
Outer turning radius	N	8720
Inner turning radius	N1	4397
Outside width, load body	O	3101
Inside width, load body	P	2870
Minimum ground clearance, trailer unit	R	584
Minimum ground clearance axle, trailer unit	R1	670
Maximum height, upper body plate	U	3528
Track width, trailer unit	V	2515
Total width, trailer unit	W	3208
Minimum ground clearance, tractor unit	X	572
Minimum ground clearance axle, tractor unit	X1	606
Minimum ground clearance, hitch	X2	720
Track width, tractor unit	Y	2515
Total width, tractor unit	Z	3208
Angle of approach	a1	23°

Dumping angle	a2	70°
Max. steering angle	a3	45°

Document Title: Weights, A35D	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Weights, A35D

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

	kg (lb) (approx.)
Operating weight	28300 (62391)
Front axle	15400 (33951)
Bogie axles	14750 (32518)
Total (incl. operator and full fuel tank)	28300 (62391)
Max. load allowed on front axle	17800 (39242)
Max. load allowed on bogie axles	43000 (94799)
Total weight, maximum	60800 (134041)
Load capacity	32500 (71650)
Engine hood with front member	250 (551)
Engine and transmission, complete	1830 (4034)
Engine, complete	1360 (2998)
Transmission	470 (1036)
Dropbox	500 (1102)

Document Title: Capacities, A35D	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Capacities, A35D

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

	when changing	total
Engine, incl. filters	49 l (13 US gal)	50 l (13.2 US gal)
Cooling system	90 l (24 US gal)	117 l (31 US gal)
Transmission, incl. filters and cooler[T1] ⓘ	47 l (12.4 US gal)	48.5 l (13 US gal)
Dropbox	7 l (1.8 US gal)	7 l (1.8 US gal)
Front axle	48 l (12.7 US gal)	48 l (12.7 US gal)
Front bogie axle	49 l (13 US gal)	49 l (13 US gal)
Rear bogie axle	48 l (12.7 US gal)	48 l (12.7 US gal)
Hub reduction	3.5 (0.92 US gal)	3.5 (0.92 US gal)
Frame joint bearings	2.9 l (0.8 US gal)	3.7 l (1.0 US gal)
Brake / Hydraulic system		400 l (106 US gal)
Hydraulic oil tank	245 l (65 US gal)	250 l (66 US gal)[T2] ⓘ
Fuel tank		475 l (125 US gal)

[T1] Check and adjust oil level after the oil change according to Operator's Manual.

[T2] Level glass, max.

Document Title: Rocker arm shaft, tightening torques	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Rocker arm shaft, tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

Camshaft and rocker arm shaft

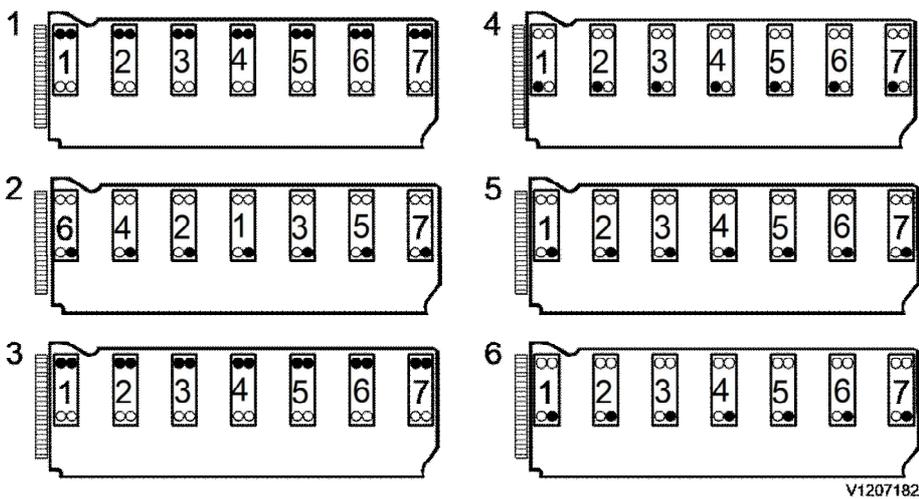


Figure 1

Step 1: Tighten the bolts in numerical order according to the figure	15 ±5 Nm (12 ±4 lbf ft)
Step 2: Tighten the bolts in numerical order according to the figure NOTE! Tighten the bolts in steps to ensure that the rocker arm shaft comes down without bending.	60 ±5 Nm (44 ±4 lbf ft)

Step 3: Angle-tighten the bolts in numerical order according to the figure	90° ±5°
Step 4: Tighten + angle-tighten the bolts in numerical order according to the figure	15 ±5 Nm (12 ±4 lbf ft) + 120° ±5°
Step 5	Loosen the bolts
Step 6: Tighten + angle-tighten the bolts in numerical order according to the figure	15 ±5 Nm (12 ±4 lbf ft) + 120° ±5°

Document Title: Tightening torques, valve cover	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Tightening torques, valve cover

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

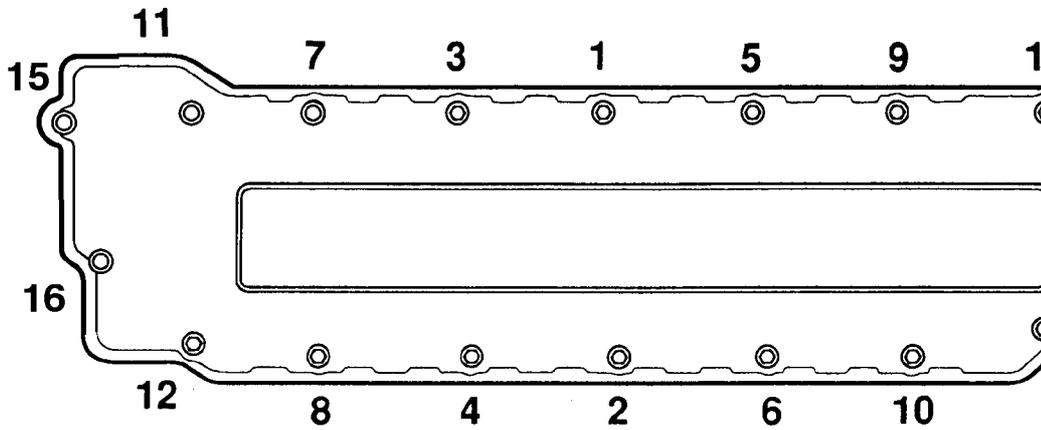


Figure 1
Tightening sequence diagram, valve cover

	Nm	kgf m
	20	2.0

Document Title: Coolant with freezing and corrosion protection	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Coolant with freezing and corrosion protection

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D 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: Power take-off, tightening torque	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

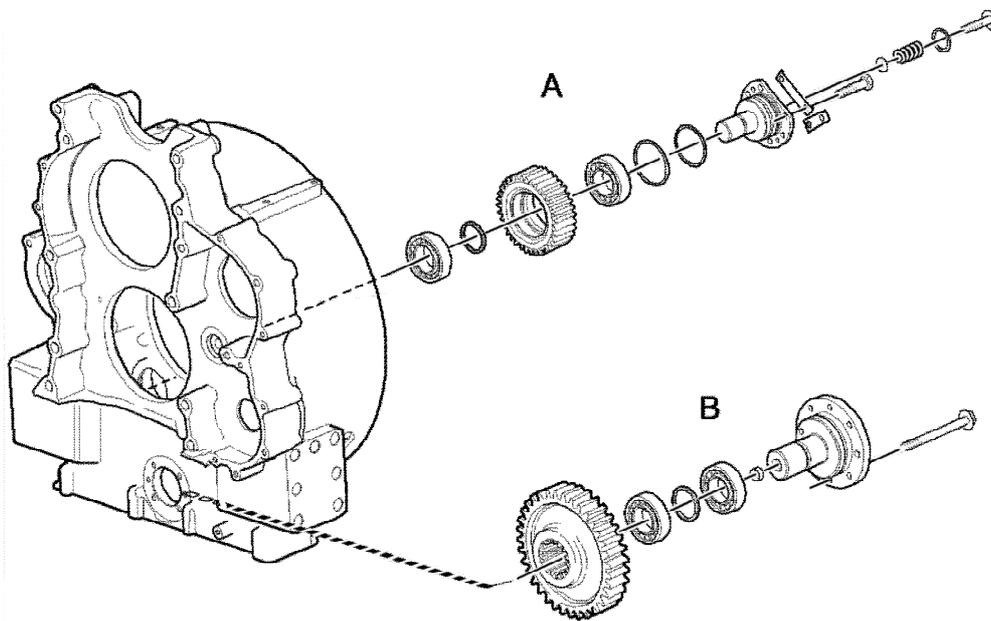
Power take-off, tightening torque

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D 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: 3/27/2025
Profile: A35D Volvo			

Tyre equipment and recommended tyre pressures

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

A35D

Ringtryck vid 32,5 tons last Tyre pressure at 32,5 metric ton load		A35D 6x6	
Däckutrustning Tyre equipment			
Bridgestone 26.5 R25 VLT **	375 kPa = 54,5 psi	450 kPa = 65,0 psi	
Bridgestone 26.5 R25 VLT-S **	375 kPa = 54,5 psi	400 kPa = 58,0 psi	
Good Year 26.5 R25 RL-2+ **	375 kPa = 54,5 psi	450 kPa = 65,0 psi	
Good Year 26.5 R25 TL-3A+ **	375 kPa = 54,5 psi	450 kPa = 65,0 psi	
Good Year 26.5 R25 GP-4B **	375 kPa = 55,5 psi	450 kPa = 65,0 psi	
Good Year 800/65 R29 GP-4D **	330 kPa = 48,0 psi	450 kPa = 65,0 psi	
Michelin 26.5 R25 XADN **	355 kPa = 51,0 psi	400 kPa = 58,0 psi	
Michelin 26.5 R25 XADT **	350 kPa = 51,0 psi	400 kPa = 58,0 psi	
Michelin 775/65 R29 XAD **	300 kPa = 44,0 psi	375 kPa = 54,5 psi	

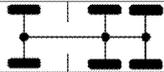
Kontakta din lokala VOLVO återförsäljare för ringtryck vid övrig däckutrustning.
Contact your local VOLVO dealer for tyre pressure for other tyre equipment.

11 191 193

V1033003

Figure 1

A40D

Ringtryck vid 37 tons last Tyre pressure at 37 metric ton load		A40D 6x6	
Däckutrustning Tyre equipment			
Bridgestone 29.5 R25 VLT **	300 kPa = 44,0 psi	400 kPa = 58,0 psi	
Bridgestone 29.5 R25 VLT-S **	350 kPa = 51,0 psi	375 kPa = 54,0 psi	
Good Year 29.5 R25 RL-2+ **	300 kPa = 44,0 psi	400 kPa = 58,0 psi	
Good Year 29.5 R25 GP-4B **	300 kPa = 44,0 psi	400 kPa = 58,0 psi	
Good Year 875/ 65 R29 GP-4D **	315 kPa = 45,5 psi	375 kPa = 54,0 psi	
Michelin 29.5 R25 XADN **	325 kPa = 47,0 psi	400 kPa = 58,0 psi	
Michelin 29.5 R25 XADT **	325 kPa = 47,0 psi	400 kPa = 58,0 psi	
Michelin 875/ 65 R29 XAD65-1 **	275 kPa = 40,0 psi	355 kPa = 51,0 psi	

Kontakta din lokala VOLVO återförsäljare för ringtryck vid övrig däckutrustning.
Contact your local VOLVO dealer for tyre pressure for other tyre equipment.

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V1033002

Figure 2
V1033002

Document Title: Fuel system, specifications	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Fuel system, specifications

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

Type	Electronically controlled with regards to injection volume and injection timing
Valves	Four per cylinder

Fuel feed pump	
Type	Gear pump
Feed pressure	350 – 450 kPa (3.5 – 4.5 bar) (50.75-65.25 psi)

Unit injectors	
Type	Electronically controlled with regards to injection volume and injection timing
Quantity	6

Document Title: Conversion tables	Function Group: 030	Information Type: Service Information	Date: 3/27/2025
Profile: A35D Volvo			

Conversion tables

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
A35D Volvo			

Length

Unit	cm	m	km	in	ft	yd	mile
cm	1	0.01	0.00001	0.3937	0.03281	0.01094	0.000006
m	100	1	0.001	39.37	3.2808	1.0936	0.00062
km	100000	1000	1	39370.7	3280.8	1093.6	0.62137
in	2.54	0.0254	0.000025	1	0.08333	0.02777	0.000015
ft	30.48	0.3048	0.000304	12	1	0.3333	0.000189
yd	91.44	0.9144	0.000914	36	3	1	0.000568
mile	160930	1609.3	1.6093	63360	5280	1760	1

1 mm = 0.1 cm - 1 mm = 0.001 m

Area

Unit	cm ²	m ²	km ²	a	ft ²	yd ²	in ²
cm ²	1	0.0001	-	0.000001	0.001076	0.000012	0.155000
m ²	10000	1	0.000001	0.01	10.764	1.1958	1550.000
km ²	-	1000000	1	10000	1076400	1195800	-
a	0.01	100	0.0001	1	1076.4	119.58	-
ft ²	-	0.092903	-	0.000929	1	0.1111	144.000
yd ²	-	0.83613	-	0.008361	9	1	1296.00
in ²	6.4516	0.000645	-	-	0.006943	0.000771	1

1 ha = 100 a - 1 mile² = 259 ha = 2.59 km²

Volume

Unit	cm ³ = cc	m ³	l	in ³	ft ³	yd ³
cm ³ = ml	1	0.000001	0.001	0.061024	0.000035	0.000001
m ³	1000000	1	1000	61024	35.315	1.30796
dm ³ (l)	1000	0.001	1	61.024	0.035315	0.001308
in ³	16.387	0.000016	0.01638	1	0.000578	0.000021
ft ³	28316.8	0.028317	28.317	1728	1	0.03704
yd ³	764529.8	0.76453	764.53	46656	27	1

1 gal (US) = 3785.41 cm³ = 231 in³ = 0.83267 gal (UK)

Weight

Product: Volvo A35D Articulated Haulers Service Repair Manual

Full Download: <https://www.arepairmanual.com/downloads/volvo-a35d-articulated-haulers-service-repair-manual/>

Unit	g	kg	t	oz	lb
g	1	0.001	0.000001	0.03527	0.0022
kg	1000	1	0.001	35.273	2.20459
t	1000000	1000	1	35273	2204.59
oz	28.3495	0.02835	0.000028	1	0.0625
lb	453.592	0.45359	0.000454	16	1

1 ton (metric) = 1.1023 ton (US) = 0.9842 ton (UK)

Pressure

Unit	kp/cm ²	bar	Pa=N/m ²	kPa	lbf/in ²	lbf/ft ²
kp/cm ²	1	0.98067	98066.5	98.0665	14.2233	2048.16
bar	1.01972	1	100000	100	14.5037	2088.6
Pa=N/m ²	0.00001	0.001	1	0.001	0.00015	0.02086
kPa	0.01020	0.01	1000	1	0.14504	20.886
lbf/in ²	0.07032	0.0689	6894.76	6.89476	1	144
lbf/ft ²	0.00047	0.00047	47.88028	0.04788	0.00694	1

kg/cm² = 735.56 Dry (mmHg) = 0.96784 atm

Unit explanations

Unit	abbreviation
Newton meter	Nm
Kilopoundmeter	kpm
Kilopascal	kPa
Megapascal	MPa
Kilowatt	kW
kilojoule	kJ
British thermal unit	Btu
Calorie	ca

Approx. conversion

SI unit	Conversion factor	Non SI	Conversion factor	SI
Torque				
Nm	x10.2	=kg/cm	x0.8664	=lb in
Nm	x0.74	=lbf-ft	x1.36	=Nm
Nm	x0.102	=kg/m	x7.22	=lbft
Pressure (Pa = N/m²)				
kPa	x4.0	=in.H ₂ O	x0.249	=kPa
kPa	x0.30	=in.Hg	x3.38	=kPa
kPa	x0.145	=psi	x6.89	=kPa
bar	x14.5	=psi	x0.069	=bar
kp/cm ²	x14.22	=psi	x0.070	=kp/cm ²
N/mm ²	x145.04	=psi	x0.069	=bar
MPa	x145	=psi	x0.00689	=MPa
Power (W = J/s)				
kW	x1.36	=hp(cy)	x0.736	=kW

Sample of manual. Download All 3555 pages at:

<https://www.arepairmanual.com/downloads/volvo-a35d-articulated-haulers-service-repair-manual/>