

Replacement Parts for
Volvo® Diesel Engines

Construction Equipment

Including: Volvo, Volvo BM, Akerman

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Volvo® Construction Equipment - Engines

PAGE	CID	LITER	ENGINE MODEL	CYL	BORE	STROKE	NOTES
VCE7-2	411	6.7	TD71	6	4.125	5.118	
VCE7-3	411	6.7	TD73	6	4.125	5.118	
VCE9-1	574	9.4	D9	6	120mm	138mm	D9A, D9B
VCE10-1	586	9.6	TD100	6	4.750	5.512	
VCE10-2	586	9.6	TD101	6	4.750	5.512	
VCE10-3	586	9.6	TD102	6	4.750	5.512	
VCE10-4	586	9.6	TD103	6	4.750	5.512	
VCE10-6	586	9.6	D10	6	120mm	140mm	D10B
VCE12-1	732	12.0	TD120	6	5.125	5.910	
VCE12-2	732	12.0	TD121	6	5.125	5.910	
VCE12-3	732	12.0	TD122	6	5.125	5.910	
VCE12-4	740	12.1	D12	6	131mm	150mm	D12A, D12C, D12D

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Volvo CE Applications

Machine	Type	Machine note	Fuel / Engine Model	Engine serial #	Page
A20 Volvo BM	Articulated Hauler	TD71G (497287)	D TD71 / 6.7L		VCE7-2
A20 Volvo BM	Articulated Hauler	TD71KAE (497283)	D TD71 / 6.7L		VCE7-2
A20C Volvo	Articulated Hauler	msn 3052- (6x6, 37205): TD73KFE (8188121)	D TD73 / 6.7L		VCE7-3
A20C Volvo BM	Articulated Hauler	msn 3001-3027 (6x6, 37205): TD71KF (8188122)	D TD71 / 6.7L		VCE7-2
A20C Volvo BM	Articulated Hauler	msn 3028-3051 (6x6, 37205): TD73KFE (8188121)	D TD73 / 6.7L		VCE7-3
A25 Volvo BM	Articulated Hauler	msn 4000-6999: TD71K (497288) [5350B on type plate]	D TD71 / 6.7L		VCE7-2
A25B Volvo BM	Articulated Hauler	msn 7001-7900 (4x4, 37036): TD71K (497288)	D TD71 / 6.7L		VCE7-2
A25B Volvo BM	Articulated Hauler	msn 60001-60200 (4x4 USA, 37041): TD71K (497288)	D TD71 / 6.7L		VCE7-2
A25B Volvo BM	Articulated Hauler	msn 7001-7900 (6x6, 37035): TD71K (497288)	D TD71 / 6.7L		VCE7-2
A25B Volvo BM	Articulated Hauler	msn 68001-68100 (6x6 USA, 37047): TD71K (497288)	D TD71 / 6.7L		VCE7-2
A25C Volvo	Articulated Hauler	msn 68146- (4x4 USA, 37055): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo	Articulated Hauler	msn 60912- (6x6 USA, 37057): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo	Articulated Hauler	msn 10257- (6x6 South Africa, 37070): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo	Articulated Hauler	msn 70159- (6x6 Brazil): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo	Articulated Hauler	msn 10257- (4x4, 37054): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo	Articulated Hauler	msn 10257- (6x6, 37056): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 7901-9121 (6x6 South Africa, 37070): TD73KCE (497997)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 60628-60911 (6x6 USA, 37057): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 70129-70158 (6x6 Brazil): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 9122-10256 (4x4, 37054): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 9122-10256 (6x6, 37056): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 70101-70128 (6x6 Brazil37069): TD73KCE (497997)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 68101-68116 (4x4 USA, 37055): TD73KCE (497997)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 7977-9121 (4x4, 37054): TD73KCE (497997)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 68117-68145 (4x4 USA, 37055): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 7901-9121 (6x6, 37056): TD73KCE (497997)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 60201-60627 (6x6 USA, 37057): TD73KCE (497997)	D TD73 / 6.7L		VCE7-3
A25C Volvo BM	Articulated Hauler	msn 9122-10256 (6x6 South Africa, 37070): TD73KCE (8188125)	D TD73 / 6.7L		VCE7-3

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A25D Volvo	Articulated Hauler	msn 11560-12999 (4x4, 47091): D10BACE2 (8188151), D10BADE2 (8188152)	D D10 / 9.6L		VCE10-6
A25D Volvo	Articulated Hauler	msn 61001-61118 (6x6 USA, 37090): D10BACE2 (8188151), D10BADE2 (8188152)	D D10 / 9.6L		VCE10-6
A25D Volvo	Articulated Hauler	msn 71001-71999 (6x6 Brazil): D10BACE2 (8188151), D10BADE2 (8188152)	D D10 / 9.6L		VCE10-6
A25D Volvo	Articulated Hauler	msn 11001-12999 (6x6, 37090): D10BACE2 (8188151), D10BADE2 (8188152)	D D10 / 9.6L		VCE10-6
A25D Volvo	Articulated Hauler	msn 13001-14999 (6x6, 37090): D9AAAE2 (8188700), D9AABE2 (8188701)	D D9 / 9.4L		VCE9-1
A25D Volvo	Articulated Hauler	msn 72001-72099 (6x6 Brazil): D9AAAE2 (8188700), D9AABE2 (8188701)	D D9 / 9.4L		VCE9-1
A25D Volvo	Articulated Hauler	msn 15001- ; 72101- : D9AABE2 (8188707)	D D9 / 9.4L		VCE9-1
A25D Volvo	Articulated Hauler	msn 15001- ; 72101- : D9BAAE3 (8188710)	D D9 / 9.4L		VCE9-1
A28 Volvo BM	Articulated Hauler	TD102GA	D TD102 / 9.6L		VCE10-3
A30 Volvo BM	Articulated Hauler	msn 1228-1878: TD102KH (497299)	D TD102 / 9.6L		VCE10-3
A30 Volvo BM	Articulated Hauler	msn 1228- : TD102KFE (497297) optional low emission	D TD102 / 9.6L		VCE10-3
A30 Volvo BM	Articulated Hauler	msn 1879-1925: TD102KH (499287)	D TD102 / 9.6L		VCE10-3
A30 Volvo BM	Articulated Hauler	msn -1227: TD102KF (497298)	D TD102 / 9.6L		VCE10-3
A30C Volvo	Articulated Hauler	msn 2321-2958 ; 60001-60026: TD103KBE (8188140)	D TD103 / 9.6L		VCE10-4
A30C Volvo BM	Articulated Hauler	msn 2001-2320: TD103KBE (8188140)	D TD103 / 9.6L		VCE10-4
A30D Volvo	Articulated Hauler	msn 10001-11999; US 60001- 60093; Brazil 70001-72999: D10BAAE2 (8188145)	D D10 / 9.6L		VCE10-6
A30D Volvo	Articulated Hauler	msn 10001-11999; US 60001- 60093; Brazil 70001-72999: D10BABE2 (8188150)	D D10 / 9.6L		VCE10-6
A30D Volvo	Articulated Hauler	msn 12001-12999, 73001-73999: D9AADE2 (8188706)	D D9 / 9.4L		VCE9-1
A30D Volvo	Articulated Hauler	msn 12001-12999, 73001-73999: D9AAE2 (8188705)	D D9 / 9.4L		VCE9-1
A30D Volvo	Articulated Hauler	msn 14001- , 74001- : D9AADE2 (8188708)	D D9 / 9.4L		VCE9-1
A30D Volvo	Articulated Hauler	msn 14001- , 74001- : D9BADE3 (8188715)	D D9 / 9.4L		VCE9-1
A35 Volvo BM	Articulated Hauler	msn 1001-1051: TD121G (497364)	D TD121 / 12.1L		VCE12-2
A35 Volvo BM	Articulated Hauler	msn 1052-3408: TD122GA (499180)	D TD122 / 12.1L		VCE12-3
A35C Volvo	Articulated Hauler	msn 4621-5200, US 60001-60300: TD122KAE (499189)	D TD122 / 12.1L		VCE12-3
A35C Volvo	Articulated Hauler	msn 5201-, US 60301-: TD122KME (8188161)	D TD122 / 12.1L		VCE12-3
A35C Volvo BM	Articulated Hauler	msn 4001-4620: TD122KAE (499189)	D TD122 / 12.1L		VCE12-3

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A35D Volvo	Articulated Hauler	msn -11919; D12CABE2 (8188168)	D D12 / 12.1L		VCE12-4
A35D Volvo	Articulated Hauler	msn 13001- ; 72001- ; D12DAAE3 (8188762)	D D12 / 12.1L		VCE12-4
A35D Volvo	Articulated Hauler	msn 13001- ; 72001- ; D12DAAE2 (8188752)	D D12 / 12.1L		VCE12-4
A35D Volvo	Articulated Hauler	msn 11920-13000; D12CADE2 (8188777)	D D12 / 12.1L		VCE12-4
A35D Volvo	Articulated Hauler	msn 11920-13000; D12CABE2 (8188776)	D D12 / 12.1L		VCE12-4
A35D Volvo	Articulated Hauler	msn -11919; D12CADE2 (8188172)	D D12 / 12.1L		VCE12-4
A40 Volvo	Articulated Hauler	msn 1201- ; US 60101-: TD122KFE (499168-3)	D TD122 / 12.1L		VCE12-3
A40 Volvo BM	Articulated Hauler	msn 1001-1151; US 1001-1097, 60001-60026: TD122KFE (499168-3)	D TD122 / 12.1L		VCE12-3
A40D Volvo	Articulated Hauler	msn 12001- ; 70001- ; D12DABE2 (8188753)	D D12 / 12.1L		VCE12-4
A40D Volvo	Articulated Hauler	msn 11105 - 11999; D12CACE2 (8188779)	D D12 / 12.1L		VCE12-4
A40D Volvo	Articulated Hauler	msn 12251- ; 70009- ; D12DABE3 (8188763)	D D12 / 12.1L		VCE12-4
A40D Volvo	Articulated Hauler	msn -11107; 60001-60286; 70001- ; 80001- ; D12CACE2 (8188171)	D D12 / 12.1L		VCE12-4
A40D Volvo	Articulated Hauler	msn -11104; 60001-60286; 70001- ; 80001- ; D12CAAE2 (8188166)	D D12 / 12.1L		VCE12-4
A40D Volvo	Articulated Hauler	msn 11105 - 11999; D12CAAE2 (8188778)	D D12 / 12.1L		VCE12-4
EC280 Volvo	Excavator	msn 1001- : TD73KHE (8188124)	D TD73 / 6.7L		VCE7-3
EC300 Akerman	Excavator	msn 4371-4456: TD71ACE (867918)	D TD71 / 6.7L		VCE7-2
EC300 Akerman	Excavator	msn 4457-5147: TD71GE (497051)	D TD71 / 6.7L		VCE7-2
EC330B Volvo	Excavator	msn 10001-10235: D10BECE2 (8188155) INT	D D10 / 9.6L		VCE10-6
EC330B Volvo	Excavator	msn 10001-10235: D10BEBE2 (8188154) EU	D D10 / 9.6L		VCE10-6
EC330B Volvo	Excavator	msn 10001-10235: D10BEAE2 (8188147) USA	D D10 / 9.6L		VCE10-6
EC330B Volvo	Excavator	msn 10713 - ; D12DEBE2 (8188758)	D D12 / 12.1L		VCE12-4
EC330B Volvo	Excavator	msn 80001 - ; D12DEBE3 (8188768)	D D12 / 12.1L		VCE12-4
EC330B Volvo	Excavator	msn 10236-10712; D12CEEE2 (8188178)	D D12 / 12.1L		VCE12-4
EC330B Volvo	Excavator	msn -80000; D12CEDE2 (8188177)	D D12 / 12.1L		VCE12-4
EC330B Volvo	Excavator	msn -80000; D12CECE2 (8188176)	D D12 / 12.1L		VCE12-4
EC340 Volvo	Excavator	msn 1001- : TD103KAE (497282)	D TD103 / 9.6L		VCE10-4

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EC360B Volvo	Excavator	msn 10001-10828: D10BECE2 (8188155) INT	D D10 / 9.6L		VCE10-6
EC360B Volvo	Excavator	msn 10001-10828: D10BEBE2 (8188154) EU	D D10 / 9.6L		VCE10-6
EC360B Volvo	Excavator	msn 10001-10828: D10BEAE2 (8188147) USA	D D10 / 9.6L		VCE10-6
EC360B Volvo	Excavator	msn -80000; D12CEDE2 (8188177)	D D12 / 12.1L		VCE12-4
EC360B Volvo	Excavator	msn 80001 - ; D12DEBE3 (8188768)	D D12 / 12.1L		VCE12-4
EC360B Volvo	Excavator	msn 10829-12152; D12CEEE2 (8188178)	D D12 / 12.1L		VCE12-4
EC360B Volvo	Excavator	msn -80000; D12CECE2 (8188176)	D D12 / 12.1L		VCE12-4
EC360B Volvo	Excavator	msn 12152 - ; D12DEBE2 (8188758)	D D12 / 12.1L		VCE12-4
EC390 Volvo	Excavator	msn 1001- : TD103KAE (497282)	D TD103 / 9.6L		VCE10-4
EC420 Akerman	Excavator	msn 1357-1550: TD101GE (497772)	D TD101 / 9.6L		VCE10-2
EC450 Akerman	Excavator	msn 1601-1781: TD122KKE (499289)	D TD122 / 12.1L		VCE12-3
EC450 Volvo	Excavator	msn 1782-: TD122KKE (499289)	D TD122 / 12.1L		VCE12-3
EC460B Volvo	Excavator	msn 80001- ; D12DEAE3 (8188764)	D D12 / 12.1L		VCE12-4
EC460B Volvo	Excavator	msn 11515- ; D12DEAE2 (8188754)	D D12 / 12.1L		VCE12-4
EC460B Volvo	Excavator	msn 10001-11514; D12CEFE2 (8188179)	D D12 / 12.1L		VCE12-4
EC460B Volvo	Excavator	msn 10001-11514; D12CEBE2 (8188175)	D D12 / 12.1L		VCE12-4
EC460B Volvo	Excavator	msn 10001-11514; -80000 ; D12CEAE2 (8188167)	D D12 / 12.1L		VCE12-4
EC620 Akerman	Excavator	msn 401-445: TD121KG (497369)	D TD121 / 12.1L		VCE12-2
EC650 Akerman	Excavator	msn 501-538: TD122KIE (499288)	D TD122 / 12.1L		VCE12-3
EC650 Volvo	Excavator	msn 539-: TD122KIE (499288)	D TD122 / 12.1L		VCE12-3
G740B Volvo	Motor Grader	msn 35000- : D10BGAE2 (8188148)	D D10 / 9.6L		VCE10-6
G746B Volvo	Motor Grader	msn 35000- : D10BGAE2 (8188148)	D D10 / 9.6L		VCE10-6
G780B Volvo	Motor Grader	msn 35000- : D10BGAE2 (8188148)	D D10 / 9.6L		VCE10-6
G970 Volvo	Motor Grader	D9BGAE3 (8188713)	D D9 / 9.4L		VCE9-1
G976 Volvo	Motor Grader	D9BGBE3 (8188716)	D D9 / 9.4L		VCE9-1
G990 Volvo	Motor Grader	D9BGBE3 (8188716)	D D9 / 9.4L		VCE9-1
H14B Akerman	Excavator	msn 3501-4370, 8073-8264: TD71ACE (867918)	D TD71 / 6.7L		VCE7-2
H16C Akerman	Excavator	msn 811-852, 8025-8042: TD100G (867774)	D TD100 / 9.6L		VCE10-1
H16D Akerman	Excavator	msn 853-900, 8025-8042: TD100G (867774)	D TD100 / 9.6L		VCE10-1
H16D Akerman	Excavator	msn 901-1356, 8043-8168: TD100G (868067)	D TD100 / 9.6L		VCE10-1
H25 Akerman	Excavator	msn 002-072: TD120A (9922)	D TD120 / 12.1L		VCE12-1
H25B Akerman	Excavator	msn 073-184: TD120A (867297)	D TD120 / 12.1L		VCE12-1

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H25C Akerman	Excavator	msn 185-232: TD120C (867492)	D TD120 / 12.1L		VCE12-1
H25C Akerman	Excavator	msn 233-260: TD120G (867646)	D TD120 / 12.1L		VCE12-1
H25C Akerman	Excavator	msn 303, 305, 306, 308-340: TID121L (868172)	D TD121 / 12.1L		VCE12-2
H25C Akerman	Excavator	msn 261-302, 304, 307: TD121G (867842)	D TD121 / 12.1L		VCE12-2
H25D Akerman	Excavator	msn 393-400: TD121KG (497369)	D TD121 / 12.1L		VCE12-2
H25D Akerman	Excavator	msn 341-392: TID121L (868172)	D TD121 / 12.1L		VCE12-2
L120 Volvo BM	Loader	msn 5001- (33312): TD71G (497285), TD71KBE (497284)	D TD71 / 6.7L		VCE7-2
L120 Volvo BM	Loader	msn 50301- (Iran, 33324): TD71G (497285), TD71KBE (497284)	D TD71 / 6.7L		VCE7-2
L120 Volvo BM	Loader	msn 60001- (US, 33315): TD71G (497285), TD71KBE (497284)	D TD71 / 6.7L		VCE7-2
L120B Volvo BM	Loader	msn 8100- , 60750- : TD71G (497285)	D TD71 / 6.7L		VCE7-2
L120B Volvo BM	Loader	msn 8100- , 60750- : TD73KBE (497996)	D TD73 / 6.7L		VCE7-3
L120C Volvo	Loader	msn 11319-13783, 61677-62625, 70075-70272: TD73KDE (8188120)	D TD73 / 6.7L		VCE7-3
L120C Volvo BM	Loader	msn 9901-11318, 61301-61676, 70001-70067: TD73KDE (8188120)	D TD73 / 6.7L		VCE7-3
L120D Volvo	Loader	msn 14001-15418, US 63001- 63291, 70501-70615: TD73KDE (8188126, 8188127)	D TD73 / 6.7L		VCE7-3
L150 Volvo BM	Loader	msn 1001-2080; 60001-60500: TD102GC (497294)	D D10 / 9.6L		VCE10-6
L150 Volvo BM	Loader	msn 1001-2080; 60001-60500: TD102KCE (497296) optional low emission	D D10 / 9.6L		VCE10-6
L150C Volvo	Loader	msn 2768-3110, 3112-3136, 3138- 4000, 60701-61500: TD103KCE (8188141)	D TD103 / 9.6L		VCE10-4
L150C Volvo	Loader	msn 3111, 3137, 4001-4999, 61501- 62499 : TD103KCE (8188144)	D TD103 / 9.6L		VCE10-4
L150C Volvo BM	Loader	msn 2436-2767; 60619-60700: TD103KCE (8188141)	D TD103 / 9.6L		VCE10-4
L150C Volvo BM	Loader	msn 2081-2435, 60501-60618: TD102KCE (497296)	D D10 / 9.6L		VCE10-6
L150D Volvo	Loader	msn 5001- , 62501- : TD103KCE (8188144)	D TD103 / 9.6L		VCE10-4
L150E Volvo	Loader	msn -8000: D10BLAE2 (8188146)	D D10 / 9.6L		VCE10-6
L150E Volvo	Loader	msn 10002- ; D12DLDE3 (8188770)	D D12 / 12.1L		VCE12-4
L150E Volvo	Loader	msn 8001-10000: D9ALBE2 (8188704)	D D9 / 9.4L		VCE9-1
L160 Volvo BM	Loader	msn -2959; -60195: TD101G (497276A) optional low emission	D TD101 / 9.6L		VCE10-2
L160 Volvo BM	Loader	msn -2959; -60195: TD101G (497276)	D TD101 / 9.6L		VCE10-2
L160 Volvo BM	Loader	msn 2960-, 60196- : TD102GB (497771)	D D10 / 9.6L		VCE10-6
L160 Volvo BM	Loader	msn 2994- : TD102KBE (497292) optional low emission	D D10 / 9.6L		VCE10-6

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L180 Volvo BM	Loader	msn -1835; US -60300: TD122GH (499185)	D TD122 / 12.1L		VCE12-3
L180C Volvo	Loader	msn 2533- ; US 60465-: TD122KHE (8188162)	D TD122 / 12.1L		VCE12-3
L180C Volvo	Loader	msn 2533- ; US 60465-: TD122KHE (499167)	D TD122 / 12.1L		VCE12-3
L180C Volvo BM	Loader	msn 1836-2532; US 60301-60464: TD122KHE (499167)	D TD122 / 12.1L		VCE12-3
L180D Volvo	Loader	msn 4002-; US 62001-: TD122KHE (8188162-5)	D TD122 / 12.1L		VCE12-3
L180E Volvo	Loader	msn 8001- ; D12DLAE3 (8188760)	D D12 / 12.1L		VCE12-4
L180E Volvo	Loader	msn 6096-8000; D12CLCE2 (8188772)	D D12 / 12.1L		VCE12-4
L180E Volvo	Loader	msn 5001-6095; D12CLCE2 (8188170)	D D12 / 12.1L		VCE12-4
L220D Volvo	Loader	msn 1001-: TD122KLE (8188160)	D TD122 / 12.1L		VCE12-3
L220E Volvo	Loader	msn 2001-2888; D12CLBE2 (8188169)	D D12 / 12.1L		VCE12-4
L220E Volvo	Loader	msn 2889-4002; D12CLBE2 (8188774)	D D12 / 12.1L		VCE12-4
L220E Volvo	Loader	msn 4003- ; D12DLBE3 (8188761)	D D12 / 12.1L		VCE12-4
LM1641 Volvo B	Loader	TD100A	D TD100 / 9.6L		VCE10-1
4600 Volvo BM	Loader	msn 1413- : TD100G (497271)	D TD100 / 9.6L		VCE10-1
4600 Volvo BM	Loader	msn -1412: TD100A (497270)	D TD100 / 9.6L		VCE10-1
4600B Volvo BM	Loader	msn 2001-2549: TD101G (497276)	D TD101 / 9.6L		VCE10-2
5350B Volvo BM	Articulated Hauler	msn 2761-3999: TD71GA (497286)	D TD71 / 6.7L		VCE7-2
5350B Volvo BM	Articulated Hauler	msn 4000-6999: TD71K (497288) [A25 marked 5350B on type plate]	D TD71 / 6.7L		VCE7-2

Volvo CE	TD71 / 6.7L	6 Cylinder	
Diesel		Bore 4.125	
		Stroke 5.118	2 heads per engine

Articulated hauler: A20 Volvo BM (TD71G: 497287, TD71KAE: 497283) A20C Volvo BM (TD71KF: 8188122)
 Articulated hauler: A25 Volvo BM (TD71GA: 497286, TD71K: 497288) A25B Volvo BM msn 7001-7900, 68001-68100 (TD71K: 497288)
 Excavator: EC300 Akerman msn 4371-4456 (TD71ACE: 867918) EC300 Akerman msn 4457-5147 (TD71GE: 497051)
 Loader: L120 Volvo BM msn 5001-; 50301-; 60001- (TD71G: 497285, TD71KBE: 497284)
 Loader: L120B Volvo BM msn 8100-; 60750- (TD71G: 497285)

ENGINE KITS

1	11706103-V	Overhaul kit	TD71G, TD71GA [11706103-6]
5350B, A20, A20C, A25, A25B, L120, L120B			
1	11706923-V	Overhaul kit	TD71ACE, TD71GE [11706923-7]
EC300 Akerman, H14B Akerman: esn to 97292			

CYLINDER KIT

6	275628-V	Cylinder kit	TD71G, TD71GA [275628-6, 275079-2, 275094-1, 876183-5]
5350B, A20, A20C, A25, A25B, L120, L120B: esn to 97292			
6	876183-V	Cylinder kit	TD71ACE, TD71GE [876183, 876183-5]
EC300 Akerman: esn to 97292			
6	271117-V	Ring set	[271117, 271117-4, 275312-7, 275375-4]
6	271159-V	Cylinder liner oring kit	Set for 1 cylinder, with sealant [271159, 271159-6 275778-9]
1	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
1	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 11167009-7]
	466878-V	Shim cylinder liner	0.12mm thick [466878-6, 4804380-6]
	466114-V	Shim cylinder liner	0.20mm thick [466114-6, 4804381-4]
	466183-V	Shim cylinder liner	0.30mm thick [466183-1, 4804382-2]
	466184-V	Shim cylinder liner	0.50mm thick [466184-9, 4804383-0]

BEARINGS

6	270115-V	Bearing rod pair	Std [270115, 270115-9]
	270116-V	Bearing rod pair	0.25mm [270116, 270116-7]
	270117-V	Bearing rod pair	0.50mm [270117, 270117-5]
TD73MAINS		Following mains and thrust washers for: esn - 97292	
7	270432-V	Bearing main pair	Std [270432, 270432-8, 7270432-3]
	270433-V	Bearing main pair	0.25mm [270433, 270433-6, 7270433-1]
	270434-V	Bearing main pair	0.50mm [270434, 270434-4, 7270434-9]
1	276754-V	Thrust washer kit	Std [276754-9, 7276754-4, 421085-2, 7421085-7]
	276755-V	Thrust washer kit	0.10mm [276755-6, 7276755-1]
	276756-V	Thrust washer kit	0.20mm [276756-4, 7276756-9]
TD73MAINS		Following mains and thrust washers for: esn 97293-	
7	276894-V	Bearing main pair	Std [276894, 276894-3]
	276895-V	Bearing main pair	0.25mm [276895, 276895-0]
	276896-V	Bearing main pair	0.50mm [276896, 276896-4]
1	276890-V	Thrust washer kit	Std [276890, 276890-1]
	276891-V	Thrust washer kit	0.10mm [276891, 276891-9]
	276892-V	Thrust washer kit	0.20mm [276892, 276892-7]

GASKET & SEALS

1	11706077-V	Set cylinder head	Contains gaskets for both heads, 1 thermostat [11706077, 11706077-2]
TD71GA: 5350B, A25: esn to 97292			
1	11997119-V	Set cylinder head	Contains gaskets for both heads, 1 thermostat [11997119, 11997119-0]
TD71ACE, TD71GE: EC300 esn to 97292; H14B esn -97292			

Volvo CE Diesel	TD71 / 6.7L (Continued)	6 Cylinder Bore 4.125 Stroke 5.118	2 heads per engine
1	11997121-V	Set cylinder head	Contains gaskets for both heads, 1 thermostat [11997121, 11997121-6]
TD71G: A20, L120, L120B: esn to 97292			
1	11997120-V	Set cylinder head	Contains gaskets for both heads, 1 thermostat [11997120, 11997120-8]
TD71K/AE, KBE, KF: A20, A20C, A25, A25B, L120: esn to 97292			
1	270775-V	Set conversion	Block and oil pan gaskets [270775, 270775-0, 275784-7]
2	276816-V	Gasket cylinder head	Gasket and seal rings [276816, 276816-6, 275779-7]
12	465784-V	Seal cylinder head	Brass sleeve 26mm OD with seal [465784, 465784-7]
16	466421-V	Seal cylinder head	Brass sleeve 16mm OD with seal [466421, 466421-5]
2	422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]
1	275781-V	Set valve cover	Decarbonizing set; contains valve cover gaskets, valve stem seals and caps, thermostat housing seals [275781, 275781-3]
2	471520-V	Gasket valve cover	
1	477118-V	Seal crankshaft front	[477118, 477118-4, 471055-4]
1	477119-V	Seal crankshaft rear	[477119-2, 471056-2, 863407-3, 477119-2, 821755-6]
1	11030779-V	Gasket oil pan	4-part gasket [424601-3, 11030779-0, 421025-8, 424919-9]
VALVE TRAIN			
6	466379-V	Valve intake	[466379, 466379-5]
6	421680-V	Valve exhaust	[421680, 421680-0, 471195-8, 842080-4]
12	466386-V	Valve guide	[466386, 466386-0]
12	466383-V	Valve spring	Inner [466383, 466383-7]
12	466384-V	Valve spring	Outer [466384, 466384-5]
12	466382-V	Valve spring cap	[466382, 466382-9]
24	468305	Valve lock	
12	478074-V	Valve stem cap	[478074, 478074-8]
12	469456-V	Valve stem seal	[469456, 469456-8, 407224]
6	421011-V	Valve seat	Intake [421011, 421011-8, 466373-8, 7421011-3]
6	466266-V	Valve seat	Exhaust [466266, 466266-4]
6	276130-V	Injector sleeve	Kit, includes sleeve (477928) seals, ring [276130-2, 273821-9, 477928-6]
6	466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]
6	466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]
6	466922-V	Oring injector sleeve	Lower [466922, 466922-2]
40	471481-V	Bolt cylinder head	150mm length [471481, 471481-2]
CONNECTING ROD			
12	465815-V	Bolt connecting rod	[465815, 465815-9]
FUEL / INJECTOR			
6	469455-V	Seal injector	Top of injector [469455, 469455, 948965-9]
12	947620-V	Washer	Leakoff line [947620, 947620-1, 946729-1, 6601761-7]
COOLING SYSTEM			
1	8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]
All except: EC300			
1	1661993-V	Thermostat	76C degrees [1661993, 1661993-4]
EC300			
1	1544710-V	Thermostat seal	Lower [1544710, 1544710-5]
1	471788-V	Seal thermostat housing	Cover to housing [471788, 471788-0]
1	471816-V	Seal thermostat housing	Connector to housing [471816, 471816-9]
TURBO / AIR			
1	420618-V	Gasket turbo mounting	[420618, 420618-1, 466392-8, 411751-1, 7411751-6]

Volvo CE Diesel	TD71 / 6.7L (Continued)	6 Cylinder Bore 4.125 Stroke 5.118	2 heads per engine
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
1	471626-V	Seal ring turbo pipe	Turbo drain pipe to block [471626, 471626-2]
6	471650-V	Gasket manifold exhaust	[471650, 471650-2]
1	421544-V	Exhaust sleeve	Ring retainer sleeve [421544, 421544-8]
6	1545109-V	Seal ring manifold	Exhaust manifold, steel ring [1545109, 1545109-9]
2	424612-V	Gasket manifold intake	[424612, 424612-0, 3829433-6]
2	845515-V	Gasket intercooler	Core gasket [845515, 845515-6]
1	862620-V	Gasket intercooler	Crossover connection [862620, 862620-2]
2	862619-V	Gasket intercooler	Flange gasket [862619, 862619-4]
BLOCK			
2	421121-V	Gasket inspection cover	[421121, 421121-5]
6	471856-V	Seal ring bolt	Inspection cover bolt seal [471856, 471856-5]
1	424620-V	Gasket flywheel housing	Fit gasket when gasket was originally used, otherwise use silicone [424620, 424620-3, 420167-9]

Volvo CE TD73 / 6.7L Diesel TD73KBE, KCE, KDE, KFE, KHE	6 Cylinder Bore 4.125 Stroke 5.118	2 heads per engine
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Articulated hauler: A20C Volvo BM / Volvo msn 3028 and up (TD73KFE: 8188121) A25C Volvo BM / Volvo (TD73KCE: 497997, 8188125)

Loader: L120B Volvo BM msn 8100- , 60750- (TD73KBE: 497996)

Loader: L120C Volvo BM / Volvo 9901-11318, 61301-61676, 70001-70067 (TD73KDE: 8188120)

Loader: L120D Volvo msn 14001-15418, 63001-63291, 70501-70615 (TD73KDE: 8188126, 8188127)

Excavator: EC280 Volvo msn 1001- (TD73KHE: 8188124)

ENGINE KITS

1	11706267-V	Overhaul kit	TD73KBE, KCE, KDE, KFE, KHE [11706267-7]
A20C, A25C; L120B, L120C; EC280: All with esn -97292			

CYLINDER KIT

6	275641-V	Cylinder kit	TD73KBE, KCE, KDE, KFE, KHE [275641, 275641-9]
A20C, A25C; L120B, L120C; EC280: All with esn -97292			
6	276900-V	Cylinder kit	TD73KBE, KCE, KDE, KFE, KHE [276900, 276900-8]
A20C, A25C; L120B, L120C; EC280: All with esn 97293- ; L120D			
6	276037-V	Ring set	[276037, 276037-9]
6	271159-V	Cylinder liner oring kit	Set for 1 cylinder, with sealant [271159, 271159-6 275778-9]
1	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
1	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 11167009-7]
	466878-V	Shim cylinder liner	0.12mm thick [466878-6, 4804380-6]
	466114-V	Shim cylinder liner	0.20mm thick [466114-6, 4804381-4]
	466183-V	Shim cylinder liner	0.30mm thick [466183-1, 4804382-2]
	466184-V	Shim cylinder liner	0.50mm thick [466184-9, 4804383-0]

BEARINGS

6	270115-V	Bearing rod pair	Std [270115, 270115-9]
	270116-V	Bearing rod pair	0.25mm [270116, 270116-7]
	270117-V	Bearing rod pair	0.50mm [270117, 270117-5]
TD73MAINS			
			Following mains and thrust washers for: esn - 97292
7	270432-V	Bearing main pair	Std [270432, 270432-8, 7270432-3]
	270433-V	Bearing main pair	0.25mm [270433, 270433-6, 7270433-1]
	270434-V	Bearing main pair	0.50mm [270434, 270434-4, 7270434-9]
1	276754-V	Thrust washer kit	Std [276754-9, 7276754-4, 421085-2, 7421085-7]
	276755-V	Thrust washer kit	0.10mm [276755-6, 7276755-1]
	276756-V	Thrust washer kit	0.20mm [276756-4, 7276756-9]
TD73MAINS			
			Following mains and thrust washers for: esn 97293-
7	276894-V	Bearing main pair	Std [276894, 276894-3]
	276895-V	Bearing main pair	0.25mm [276895, 276895-0]
	276896-V	Bearing main pair	0.50mm [276896, 276896-4]
1	276890-V	Thrust washer kit	Std [276890, 276890-1]
	276891-V	Thrust washer kit	0.10mm [276891, 276891-9]
	276892-V	Thrust washer kit	0.20mm [276892, 276892-7]

GASKET & SEALS

1	11997122-V	Set cylinder head	Contains gaskets for both heads, 1 thermostat [11997122, 11997122-4]
1	276039-V	Set conversion	Block and oil pan gaskets [276039, 276039-5]
2	276816-V	Gasket cylinder head	Gasket and seal rings [276816, 276816-6, 275779-7]
12	465784-V	Seal cylinder head	Brass sleeve 26mm OD with seal [465784, 465784-7]
16	466421-V	Seal cylinder head	Brass sleeve 16mm OD with seal [466421, 466421-5]

Volvo CE	TD73 / 6.7L	6 Cylinder	
Diesel	(Continued)	Bore 4.125	
TD73KBE, KCE, KDE, KFE, KHE		Stroke 5.118	2 heads per engine
2	422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]
1	276038-V	Set valve cover	Decarbonizing set; contains valve cover gaskets, valve stem seals and caps, thermostat housing seals [276038, 276038-7]
2	471520-V	Gasket valve cover	
1	477118-V	Seal crankshaft front	[477118, 477118-4, 471055-4]
1	477119-V	Seal crankshaft rear	[477119-2, 471056-2, 863407-3, 477119-2, 821755-6]
1	11030779-V	Gasket oil pan	4-part gasket [424601-3, 11030779-0, 421025-8, 424919-9]
VALVE TRAIN			
6	3978768-V	Valve intake	[3978768, 3978768-4, 477447-7]
6	3978766-V	Valve exhaust	[3978766, 8978766-8, 477443-6]
12	477877-V	Valve guide	[477877, 477877-5, 465157-6, 477792-6]
12	466383-V	Valve spring	Inner [466383, 466383-7]
12	466384-V	Valve spring	Outer [466384, 466384-5]
24	1677875	Valve lock	For single-groove stem [OEM] [1677875]
12	477449-V	Valve stem cap	[477449, 477449-3]
12	859171-V	Valve stem seal	[859171, 419702-6, 7419702-1, 1306630-3]
6	477657-V	Valve seat	Intake [477657, 477657-1]
6	477659-V	Valve seat	Exhaust [477659, 477659-7]
6	276130-V	Injector sleeve	Kit, includes sleeve (477928) seals, ring [276130-2, 273821-9, 477928-6]
6	466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]
6	466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]
6	466922-V	Oring injector sleeve	Lower [466922, 466922-2]
40	471481-V	Bolt cylinder head	150mm length [471481, 471481-2]
CONNECTING ROD			
12	465815-V	Bolt connecting rod	[465815, 465815-9]
OIL / LUBE SYSTEM			
1	422314-V	Bushing idler gear	Oil pump idler gear [422314, 422314-5]
FUEL / INJECTOR			
6	469455-V	Seal injector	Top of injector [469455, 469455, 948965-9]
12	947620-V	Washer	Leakoff line [947620, 947620-1, 946729-1, 6601761-7]
COOLING SYSTEM			
1	8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]
1	1544710-V	Thermostat seal	Lower [1544710, 1544710-5]
1	471788-V	Seal thermostat housing	Cover to housing [471788, 471788-0]
1	471816-V	Seal thermostat housing	Connector to housing [471816, 471816-9]
TURBO / AIR			
1	420618-V	Gasket turbo mounting	[420618, 420618-1, 466392-8, 411751-1, 7411751-6]
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
1	471626-V	Seal ring turbo pipe	Turbo drain pipe to block [471626, 471626-2]
1	11998685-V	Set manifold	Exhaust and intercooler (6) 471650, 862620, (2) 3829433, (6) 1545109, (1) 421544 [11998685-9]
6	471650-V	Gasket manifold exhaust	[471650, 471650-2]
1	421544-V	Exhaust sleeve	Ring retainer sleeve [421544, 421544-8]
6	1545109-V	Seal ring manifold	Exhaust manifold, steel ring [1545109, 1545109-9]
2	424612-V	Gasket manifold intake	[424612, 424612-0, 3829433-6]
2	845515-V	Gasket intercooler	Core gasket [845515, 845515-6]

Volvo CE TD73 / 6.7L		6 Cylinder	
Diesel (Continued)		Bore 4.125	
TD73KBE, KCE, KDE, KFE, KHE		Stroke 5.118	2 heads per engine
1	862620-V	Gasket intercooler	Crossover connection [862620, 862620-2]
2	862619-V	Gasket intercooler	Flange gasket [862619, 862619-4]
BLOCK			
2	421121-V	Gasket inspection cover	[421121, 421121-5]
6	471856-V	Seal ring bolt	Inspection cover bolt seal [471856, 471856-5]
1	424620-V	Gasket flywheel housing	Fit gasket when gasket was originally used, otherwise use silicone [424620, 424620-3, 420167-9]

Volvo CE Diesel	D9 / 9.4L	6 Cylinder Bore 120mm Stroke 138mm	
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Articulated hauler: A25D Volvo msn 13001-14999 ; Brazil 72000-72099 (D9AAAE2: 8188700) (D9AABE2: 8188701)

Articulated hauler: A25D Volvo msn 15001- , Brazil 72101- (D9AABE2: 8188707) (D9BAAE3: 8188710)

Articulated Hauler: A30D Volvo msn 12001-12999, Brazil 73000-73999 (D9AAE2: 8188705) (D9AADE2: 8188706)

Articulated Hauler: A30D Volvo msn 14001- , Brazil 74001- (D9AADE2: 8188708) (D9BADE3: 8188715)

Loader: L150E Volvo msn 8001-10000 (D9ALBE2: 8188704) Motor Grader: G970 (D9BGAE3: 8188713), G976, G990 Volvo (D9BGBE3: 8188716)

BEARINGS

1	3093651-V	Thrust washer kit	Std [3093651, 3093651-2, 276791-1]
	3093652-V	Thrust washer kit	0.10mm [3093652, 3093652-0, 276792-9]
	3093653-V	Thrust washer kit	0.20mm [3093653, 3093653-8, 276793-7]

GASKET & SEALS

1	20495935-V	Gasket cylinder head	[20495935, 20495935-7, 8148046-9]
1	8148049-V	Gasket valve cover	[8148049, 8148049-3, 20804638-3]

1	20817742-V	Gasket timing cover	Seal strip upper to lower [20817742-8, 20564008-9, 20547565-0]
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1	20584639-V	Gasket inspection cover	Cylinder block side cover [20584639, 20584639-9, 8148017-0]
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1	85108423-V	Seal crankshaft front	[85108423, 85108423-6, 1549398-4]
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1	8148259-V	Seal crankshaft rear	[8148259, 8148259-8]
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A25D, A30D, L150E

1	20441697-V	Seal crankshaft rear	[20441697, 20441697-8, 469336-2, 821754-9, 849567-3]
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A25D, A30D, L150E

1	11128052	Seal crankshaft rear	[OEM]
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G970, G976, G990

1	8148213-V	Gasket oil pan	[8148213-5, 20812484-2]
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VALVE TRAIN

12	20551761-V	Valve intake	[20450002, 20450002-9]
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12	20570965-V	Valve exhaust	[8148069, 8148069-1]
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24	20905400-V	Valve guide	[20905400, 20817645, 3165303]
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D12C/D: A35D D12D(8188752), A40D D12D(8188753); L180E D12C esn 302888- ; L220E D12C (8188774); EC330B and EC360B D12C, D12D (8280232); E460B: D12C esn 302888- , D12D (8279676)

24	3183210-V	Valve spring	[3183210, 1547209]
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Outer

24	3183211-V	Valve spring	[3183211, 1547210]
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Inner

48	20510747	Valve lock	For multi-groove stem [OEM] [20510747]
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24	859171-V	Valve stem seal	[859171, 419702-6, 7419702-1, 1306630-3]
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12	20555102	Valve insert	Intake [OEM]
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D9A

12	20522783-V	Valve insert	Intake [20522783-8]
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D9B

12	20555104	Valve insert	Exhaust [OEM]
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D9A

12	20528265-V	Valve insert	Exhaust [20528265]
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D9B

6	85104134-V	Injector sleeve	Kit, includes sleeve (3183368) and oring (20536487) [85104134, 85104134-3]
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D12C with esn 302888 and up or D12D: A35D, A40D, L180E, EC460B; L220E D12C (8188774), D12D; D12C/D: L150E, EC330B, EC360B

6	3183368-V	Injector sleeve	Sleeve only [3183368, 3183368-4]
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6	20536487-V	Oring	[20536487, 3165747]
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26	1547419-V	Bolt cylinder head	200mm length [1547419, 1547419-0, 21345131-3]
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Volvo CE Diesel	D9 / 9.4L (Continued)	6 Cylinder Bore 120mm Stroke 138mm	
FUEL / INJECTOR			
6	276948-V	Injector oring kit	[276948-7, 276644-2, 276845-5, 276835-4]
TURBO / AIR			
1	8194365-V	Gasket turbo mounting	[8194365, 8194365-6, 1545141-2]
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
1	469601-V	Seal ring	Turbo drain [469601-9]
1	1547255-V	Seal ring	Turbo drain [1547255-8]
6	8148172-V	Gasket manifold exhaust	[8148172, 8148172-3]

Volvo CE	TD100 / 9.6L	6 Cylinder	
Diesel		Bore 4.750	
		Stroke 5.512	1 head per cylinder

Excavator: H16C Akerman msn 811-852, 8025-8042 (TD100G: 867774)

Excavator: H16D Akerman msn 853-900, 8025-8042 (TD100G: 867774) msn 901-1356, 8043-8168 (TD100G: 867924, 868067)

Loader: LM1641 Volvo BM (TD100A)

Loader: 4600 Volvo BM msn to 1412 (TD100A: 497270) msn 1413 and up (TD100G: 497271)

ENGINE KITS

1	11706953-V	Overhaul kit	TD100A [11706953-4]
Loader: LM1641; 4600 msn to 1412 (TD100A)			
1	11706938-V	Overhaul kit	TD100G [11706938-5]
Loader: 4600 msn 1413 and up (TD100G esn to 162078)			
1	11706939-V	Overhaul kit	TD100G [11706939-3]
Loader: 4600 msn 1413 and up (TD100G esn 162079 and up)			
1	11706924-V	Overhaul kit	TD100G [11706924]
Excavator: H16C msn 811-852; H16D msn 853-900 (TD100G: 867774)			
1	11706922-V	Overhaul kit	TD100G [11706922]
Excavator: H16D msn 901-1356 (TD100G: 867924 or 868067)			

CYLINDER KIT

6	275099-V	Cylinder kit	TD100A [275099, 275099-0, 275036-2]
Loader: LM1641; 4600 msn to 1412 (TD100A)			
6	275627-V	Cylinder kit	TD100G, TD101GE
Loader: 4600 msn 1413 and up (TD100G); Excavator: H16C msn 811-852; H16D msn 853-1356			
6	275304-V	Ring set	[275304, 275304-4]
Loader: LM1641; 4600 msn to 1412 (TD100A)			
6	275084-V	Ring set	[275084, 275084-2, 275313-5]
Loader: 4600 msn 1413 and up (TD100G); Excavator: H16C msn 811-852; H16D msn 853-1356			
6	271158-V	Cylinder liner oring kit	Set of 3 orings with sealant, 1.6mm top ring thickness [271158, 271158-8, 275462-0, 275739-1, 275734-2]
6	271157-V	Cylinder liner oring kit	Set of 3 orings with sealant, 2.4mm top ring thickness [271157, 271157-0, 270788-3]
	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 1167009-7]
	422619-V	Shim cylinder liner	0.20mm thick [422619-7]
	422620-V	Shim cylinder liner	0.30mm thick [422620-5]
	422621-V	Shim cylinder liner	0.50mm thick [422621-3]

BEARINGS

	270099-V	Bearing rod pair	Std [270099, 270099-5]
Loader: LM1641 (TD100A), 4600(TD100A; TD100G esn to 162078); Excavator: D16C, D16D (TD100G)			
	270100-V	Bearing rod pair	0.25mm [270100]
	270101-V	Bearing rod pair	0.50mm [270101, 270101-9]
6	270124-V	Bearing rod pair	Std [270124, 270124-1]
Loader: 4600 (TD100G esn 162079 and up)			
	270125-V	Bearing rod pair	0.25mm [270125, 270125-8]
	270126-V	Bearing rod pair	0.50mm [270126, 270126-6]
7	270438-V	Bearing main pair	Std [270438, 270438-5, 7270438-0]
	270439-V	Bearing main pair	0.25mm [270439, 270439-3, 7270439-8]
	270440-V	Bearing main pair	0.50mm [270440, 270440-1, 7270440-6]
1	276758-V	Thrust washer kit	Std [276758, 276758-0, 7276758-5]
	276759-V	Thrust washer kit	0.10mm [276759, 276759-8, 7276759-3]
	276760-V	Thrust washer kit	0.20mm [276760, 276760-6, 7276760-1]

Volvo CE Diesel	TD100 / 9.6L (Continued)	6 Cylinder Bore 4.750 Stroke 5.512	1 head per cylinder
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GASKET & SEALS

11997220-V	Set cylinder head	Set for 6 heads, with (3) thermostats [11997220, 11997220-6]
TD100A: LM1641; 4600 msn to 1412		
11997234-V	Set cylinder head	Set for 6 heads, with (3) thermostats [11997234, 11997234-]
TD100G: 4600 msn 1413 and up		
6 275551-V	Gasket cylinder head	with seal rings [275551, 275551-0]
TD100A: LM1641; 4600 msn to 1412		
6 270789-V	Gasket cylinder head	with seal rings [270789, 270789-1, 275742-6]
TD100G: 4600 msn 1413 and up; H16C msn 811-852; H16D: msn 853-1356		
6 422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]
12 422414-V	Seal cylinder head	Brass sleeve 32mm OD with seal [422414, 422414-3]
12 422415-V	Seal cylinder head	Brass sleeve 18mm OD with seal [422415, 422415-0]
6 479260-V	Seal cylinder head	Water seal [479260, 479260-2, 423139-5]
1 276034-V	Set valve cover	Decarbonizing set, includes (6) 423145 vc gsk (6) 423146 vc gsk (6) 479260 water seal (12) 478074 valve cap (24) 941907 washer [276034-6, 275530-4]
TD100A: LM1641; 4600 msn to 1412		
1 276035-V	Set valve cover	Decarbonizing set, includes (6) 424693 vc gsk (6) 424694 vc gsk (6) 479260 water seal (12) 478074 valve cap (24) 941907 washer
TD100G: 4600 msn 1413 and up; H16C msn 811-852; H16D: msn 853-1356		
423146-V	Gasket valve cover	Upper [423146, 423146-0]
TD100A: LM1641; 4600 msn to 1412		
423145-V	Gasket valve cover	Lower [423145, 423145-2]
TD100A: LM1641; 4600 msn to 1412		
6 424694-V	Gasket valve cover	Upper [424694-8, 46943405]
TD100G: 4600 msn 1413 and up; H16C msn 811-852; H16D: msn 853-1356		
6 424693-V	Gasket valve cover	Lower [424693-0, 469433-7]
TD100G: 4600 msn 1413 and up; H16C msn 811-852; H16D: msn 853-1356		
24 941907-V	Spring washer	[941907, 941907-8, 13941907-1]
1 424983-V	Seal crankshaft front	Seal [424983, 424983-5, 469507-8]
1 941666-V	Seal crankshaft front	Felt ring [941666-0]
20441697-V	Seal crankshaft rear	[20441697, 20441697-8, 469336-2, 821754-9, 849567-3]
1 424604-V	Gasket oil pan	4-piece gasket [424604, 424604-7, 422025-7]
TD100A: LM1641; 4600 msn to 1412		
1 11031009-V	Gasket oil pan	For baffle plate [11031009, 11031009-1]

CAMSHAFT

12 479863-V	Lifter	Only for forged steel camshafts [479863, 479863-3]
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VALVE TRAIN

6 479204-V	Valve intake	[479204-0, 1545290-7, 467502-1, 422016-6]
6 467855-V	Valve exhaust	[467855-3, 467682-1, 422017-4]
6 422320-V	Valve guide	Intake [422320, 422320-2]
6 1545135-V	Valve guide	[1545135, 11129092-0, 1545135-4]
12 467335-V	Valve spring	Inner [467335, 467335-6]
12 467334-V	Valve spring	Outer [467334, 467334-9]
24 468305	Valve lock	
12 467506-V	Washer valve spring	[467506, 467506-2]
12 478074-V	Valve stem cap	[478074, 478074-8]
12 417135-V	Valve stem seal	[417135, 417135-1, 7417135-6]
6 467474-V	Valve seat	Intake [467474, 467474-3]
6 467475-V	Valve seat	Exhaust [467475, 467475-0]

Volvo CE	TD100 / 9.6L	6 Cylinder	
Diesel	(Continued)	Bore 4.750	
		Stroke 5.512	1 head per cylinder
6	467417-V	Injector sleeve	Sleeve only [467417,467417-2, 423076-9, 7467417-7]
TD100A: LM1641; 4600 msn to 1412			
6	469205-V	Seal injector sleeve	For 467417, 466284, 265547 sleeves [469205-9, 412038-2, 7412038-7]
6	270946-V	Injector sleeve	Kit, includes sleeve (1545023) seal (466405) ring (466420) [270946, 270946-7]
TD100G: 4600 msn 1413 and up; H16C msn 811-852; H16D: msn 853-1356			
6	1545023-V	Injector sleeve	Sleeve only [1545023, 1545023-2, 479163-8]
6	466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]
6	466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]
24	422086-V	Bolt cylinder head	M19 x 198mm [422086, 422086-9, 467918-9]
CRANKSHAFT			
1	6888669-V	Crankshaft	10 holes in flywhell, 115cm length [6888669-6, 20381958-6, 8194490-2]
CONNECTING ROD			
12	1545479-V	Bolt conn rod	[1545479, 1545479-6, 7417464]
OIL / LUBE SYSTEM			
1	422314-V	Bushing idler gear	Oil pump idler gear [422314, 422314-5]
FUEL / INJECTOR			
6	469455-V	Seal injector	Top of injector [469455, 469455, 948965-9]
TD100G			
12	947620-V	Washer	Leakoff line [947620, 947620-1, 946729-1, 6601761-7]
COOLING SYSTEM			
	273951-V	Thermostat	Thermostat (1544097) with seal [273951-4]
TD100A: 1 used			
	1544097-V	Thermostat	76C degrees [1544097, 1544097-7, 7467014-2]
	273952-V	Thermostat	Thermostat (1544098) with seal [273952-2]
TD100A: 2 used; TD100G: 3 used			
	1544098-V	Thermostat	81C degrees [1544098, 1544098-5, 7467015-9]
3	416033-V	Thermostat seal	[416033, 416033-9, 7416033]
1	423129-V	Gasket thermostat hsg	Housing to water pump [423129, 423129-6, 7423129-1]
TURBO / AIR			
1	8194365-V	Gasket turbo mounting	[8194365, 8194365-6, 1545141-2]
1	470939-V	Gasket turbo mounting	[470939, 470939-0, 20794537-9, 417382-2, 7417382-4]
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	1543360-V	Gasket turbo drain	[1543360]
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
1	13947624-V	Copper washer	[13947624-6, 947624-3]
Turbo supply banjo fitting to block			
1	13947621-V	Copper washer	[13947621-2, 18838-3, 947621-9]
Turbo supply banjo fitting to block			
1	270958-V	Set manifold	Intake, exhaust (6) 424634, (6) 469829 [270958-2, 275451-3]
TD100A			
1	270958-1-V	Set manifold	Intake, exhaust (6) 424634, (6) 469829, (1) 424616
TD100A			
1	276052-V	Set manifold	Intake, exhaust [276052-8, 270763-6, 275752-4]
TD100G			
1	276052-1-V	Set manifold	Intake, exhaust
TD100G			
6	424634-V	Gasket manifold exhaust	[424634, 424634-4, 422074-5]
TD100A			
6	479107-V	Gasket manifold exhaust	[479107, 479107-5]
1	275748-V	Seal ring manifold	Exhaust manifold, set of 3 seals; (2) 1545109, (1) 471219 [275748-2, 275748, 471219-6]

Volvo CE	TD100 / 9.6L	6 Cylinder	
Diesel	(Continued)	Bore 4.750	
		Stroke 5.512	1 head per cylinder
2	1545109-V	Seal ring manifold	Exhaust manifold, steel ring [1545109, 1545109-9]
1	471219-V	Seal ring manifold	Exhaust manifold, steel ring [471219, 471219-6]
6	469829-V	Seal ring manifold	Intake manifold, square packing [469829, 469829-6]
1	424616-V	Gasket manifold intake	Air crossover [424616, 414616-1]
TD100A			
2	424618-V	Gasket manifold intake	Starter element to manifold [424618, 424618-7]
TD100G			
BLOCK			
3	469823-V	Gasket inspection cover	[469823, 469823-8, 467409-9]
6	471856-V	Seal ring bolt	Inspection cover bolt seal [471856, 471856-5]

Volvo CE	TD101 / 9.6L	6 Cylinder	TD101G: Turbo
Diesel		Bore 4.750	
		Stroke 5.512	1 head per cylinder

Excavator: EC420 Akerman msn 1357-1550 (TD101GE: 497772)

Loader: 4600B Volvo BM msn 2001-2549 (TD101G: 497276)

L160 Volvo BM msn -2959; -60195 (TD101G: 49276)

ENGINE KITS

1	11708078-V	Overhaul kit	TD101GE
EC420 Akerman			
1	11706269-V	Overhaul kit	TD101G; TD102GA, TD102GB, TD102GC; TD120KBE, TD102KF, TD102KH; [11706269-5]
4600B Volvo BM, L160 Volvo BM: std and low emission			

CYLINDER KIT

6	275627-V	Cylinder kit	TD100G, TD101GE
EC420 Akerman			
6	275630-V	Cylinder kit	TD101G; TD102GA, TD102GB, TD102GC; TD120KBE, TD102KF, TD102KH; [275630-2, 275082-6, 275395-2, 275071-9]
4600B Volvo BM, L160 Volvo BM: std and low emission			

6	275084-V	Ring set	[275084, 275084-2, 275313-5]
6	271158-V	Cylinder liner oring kit	Set of 3 orings with sealant, 1.6mm top ring thickness [271158, 271158-8, 275462-0, 275739-1, 275734-2]
6	271157-V	Cylinder liner oring kit	Set of 3 orings with sealant, 2.4mm top ring thickness [271157, 271157-0, 270788-3]
	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 11167009-7]
	422619-V	Shim cylinder liner	0.20mm thick [422619-7]
	422620-V	Shim cylinder liner	0.30mm thick [422620-5]
	422621-V	Shim cylinder liner	0.50mm thick [422621-3]

BEARINGS

6	270124-V	Bearing rod pair	Std [270124, 270124-1]
	270125-V	Bearing rod pair	0.25mm [270125, 270125-8]
	270126-V	Bearing rod pair	0.50mm [270126, 270126-6]
7	270438-V	Bearing main pair	Std [270438, 270438-5, 7270438-0]
	270439-V	Bearing main pair	0.25mm [270439, 270439-3, 7270439-8]
	270440-V	Bearing main pair	0.50mm [270440, 270440-1, 7270440-6]
1	276758-V	Thrust washer kit	Std [276758, 276758-0, 7276758-5]
	276759-V	Thrust washer kit	0.10mm [276759, 276759-8, 7276759-3]
	276760-V	Thrust washer kit	0.20mm [276760, 276760-6, 7276760-1]

GASKET & SEALS

1	11997107-V	Set cylinder head	Set for 6 heads, with (1) thermostat [11997107, 11997107-7]
6	270789-V	Gasket cylinder head	with seal rings [270789, 270789-1, 275742-6]
6	422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]
12	422414-V	Seal cylinder head	Brass sleeve 32mm OD with seal [422414, 422414-3]
12	422415-V	Seal cylinder head	Brass sleeve 18mm OD with seal [422415, 422415-0]
6	479260-V	Seal cylinder head	Water seal [479260, 479260-2, 423139-5]
1	276035-V	Set valve cover	Decarbonizing set, includes (6) 424693 vc gsk (6) 424694 vc gsk (6) 479260 water seal (12) 478074 valve cap (24) 941907 washer
6	424693-V	Gasket valve cover	Lower [424693-0, 469433-7]
6	424694-V	Gasket valve cover	Upper [424694-8, 46943405]
24	941907-V	Spring washer	[941907, 941907-8, 13941907-1]
1	424983-V	Seal crankshaft front	Seal [424983, 424983-5, 469507-8]
1	941666-V	Seal crankshaft front	Felt ring [941666-0]

Volvo CE	TD101 / 9.6L	6 Cylinder	TD101G: Turbo
Diesel	(Continued)	Bore 4.750	1 head per cylinder
		Stroke 5.512	
20441697-V	Seal crankshaft rear	[20441697, 20441697-8, 469336-2, 821754-9, 849567-3]	
1	424602-1	Gasket oil pan	[424602-1, 11031047-1, 1545696-5, 1545129-7, 479264-4]
1	11031009-V	Gasket oil pan	For baffle plate [11031009, 11031009-1]
L160, 4600B			
CAMSHAFT			
12	479863-V	Lifter	Only for forged steel camshafts [479863, 479863-3]
VALVE TRAIN			
6	479204-V	Valve intake	[479204-0, 1545290-7, 467502-1, 422016-6]
6	467855-V	Valve exhaust	[467855-3, 467682-1, 422017-4]
6	422320-V	Valve guide	Intake [422320, 422320-2]
6	1545135-V	Valve guide	[1545135, 11129092-0, 1545135-4]
12	467335-V	Valve spring	Inner [467335, 467335-6]
12	467334-V	Valve spring	Outer [467334, 467334-9]
24	468305	Valve lock	
12	467506-V	Washer valve spring	[467506, 467506-2]
12	478074-V	Valve stem cap	[478074, 478074-8]
12	417135-V	Valve stem seal	[417135, 417135-1, 7417135-6]
6	467474-V	Valve seat	Intake [467474, 467474-3]
6	467475-V	Valve seat	Exhaust [467475, 467475-0]
4600B; L160 esn -197345; 197351-198425			
6	1545886-V	Valve seat	Exhaust [1545886, 1545886-2]
EC420; L160 esn 198426 and up			
6	270946-V	Injector sleeve	Kit, includes sleeve (1545023) seal (466405) ring (466420) [270946, 270946-7]
6	1545023-V	Injector sleeve	Sleeve only [1545023, 1545023-2, 479163-8]
6	466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]
6	466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]
24	422086-V	Bolt cylinder head	M19 x 198mm [422086, 422086-9, 467918-9]
CRANKSHAFT			
1	6888669-V	Crankshaft	10 holes in flywheel, 115cm length [6888669-6, 20381958-6, 8194490-2]
esn -278294			
CONNECTING ROD			
12	1545479-V	Bolt conn rod	[1545479, 1545479-6, 7417464]
OIL / LUBE SYSTEM			
1	422314-V	Bushing idler gear	Oil pump idler gear [422314, 422314-5]
FUEL / INJECTOR			
6	469455-V	Seal injector	Top of injector [469455, 469455, 948965-9]
12	947620-V	Washer	Leakoff line [947620, 947620-1, 946729-1, 6601761-7]
COOLING SYSTEM			
1	8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]
1	1544410-V	Thermostat seal	Upper [1544410, 1544410-2, 11000236-7]
1	1544710-V	Thermostat seal	Lower [1544710, 1544710-5]
1	925257-V	Oring	Water pump to housing, large [925257, 925257-8]
2	1664473-V	Oring	Water pump to housing, small [1664473, 1664473-4, 12306]
TURBO / AIR			
1	8194365-V	Gasket turbo mounting	[8194365, 8194365-6, 1545141-2]
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	470993-V	Gasket turbo drain	Round hole [470993, 470993-7, 420423-6, 7420423-1]
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
1	942703-V	Copper washer	[942703, 942703-0]
Turbo supply banjo fitting to block			

Volvo CE	TD101 / 9.6L	6 Cylinder	TD101G: Turbo
Diesel	(Continued)	Bore 4.750	1 head per cylinder
		Stroke 5.512	
1	11998-V	Copper washer	[11998, 11998-2, 7011998-7, 15301-5]
Turbo supply banjo fitting to block			
1	1542781-V	Turbo seal ring	Turbocharger to intake [1542781, 1542781-8]
1	276052-V	Set manifold	Intake, exhaust [276052-8, 270763-6, 275752-4]
1	276052-1-V	Set manifold	Intake, exhaust
6	479107-V	Gasket manifold exhaust	[479107, 479107-5]
1	275748-V	Seal ring manifold	Exhaust manifold, set of 3 seals; (2) 1545109, (1) 471219 [275748-2, 275748, 471219-6]
2	1545109-V	Seal ring manifold	Exhaust manifold, steel ring [1545109, 1545109-9]
1	471219-V	Seal ring manifold	Exhaust manifold, steel ring [471219, 471219-6]
6	469829-V	Seal ring manifold	Intake manifold, square packing [469829, 469829-6]
2	424618-V	Gasket manifold intake	Starter element to manifold [424618, 424618-7]
BLOCK			
3	469823-V	Gasket inspection cover	[469823, 469823-8, 467409-9]
6	471856-V	Seal ring bolt	Inspection cover bolt seal [471856, 471856-5]

Volvo CE Diesel	TD102 / 9.6L	6 Cylinder Bore 4.750 Stroke 5.512	TD102G: Turbo TD102K: Turbo and Intercooled 1 head per cylinder
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Articulated hauler: A28 Volvo BM (TD102GA) A30 Volvo BM (TD102KF: 497298) (TD102KH: 497299, 499287) (TD102KFE: 497297)
 Loader: L150 Volvo BM msn 1001-2080; 60001-60500 (TD102GC: 497294) (TD102KCE: 497296)
 Loader: L150C Volvo BM msn 2081-2435, 60501-60618 (TD102KCE: 497296)
 Loader: L160 Volvo BM msn 2960-, 60196- (TD102GB: 497771) (TD102KBE: 497292 optional low emission)

ENGINE KITS

1	11706269-V	Overhaul kit	TD101G; TD102GA, TD102GB, TD102GC; TD120KBE, TD102KF, TD102KH; [11706269-5]
TD102G: A28 (GA), L150 (GC), L160 (GB); TD102K: A30 (KF/KH), L160 (KBE)			
1	11706268-V	Overhaul kit	TD102KCE, TD102KFE [11706268-7]
TD102K: A30 (KFE), L150 (KCE), L150C (KCE)			

CYLINDER KIT

6	275630-V	Cylinder kit	TD101G; TD102GA, TD102GB, TD102GC; TD120KBE, TD102KF, TD102KH; [275630-2, 275082-6, 275395-2, 275071-9]
TD102G: A28 (GA), L150 (GC), L160 (GB); TD102K: A30 (KF/KH), L160 (KBE)			
6	275638-V	Cylinder kit	TD102KCE, TD102KFE [275638, 275638-5]
TD102K: A30 (KFE), L150 (KCE), L150C (KCE)			
6	275084-V	Ring set	[275084, 275084-2, 275313-5]
6	271157-V	Cylinder liner oring kit	Set of 3 orings with sealant, 2.4mm top ring thickness [271157, 271157-0, 270788-3]
	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 11167009-7]
	422619-V	Shim cylinder liner	0.20mm thick [422619-7]
	422620-V	Shim cylinder liner	0.30mm thick [422620-5]
	422621-V	Shim cylinder liner	0.50mm thick [422621-3]

BEARINGS

6	270124-V	Bearing rod pair	Std [270124, 270124-1]
	270125-V	Bearing rod pair	0.25mm [270125, 270125-8]
	270126-V	Bearing rod pair	0.50mm [270126, 270126-6]
7	270438-V	Bearing main pair	Std [270438, 270438-5, 7270438-0]
	270439-V	Bearing main pair	0.25mm [270439, 270439-3, 7270439-8]
	270440-V	Bearing main pair	0.50mm [270440, 270440-1, 7270440-6]
1	276758-V	Thrust washer kit	Std [276758, 276758-0, 7276758-5]
	276759-V	Thrust washer kit	0.10mm [276759, 276759-8, 7276759-3]
	276760-V	Thrust washer kit	0.20mm [276760, 276760-6, 7276760-1]

GASKET & SEALS

1	11997107-V	Set cylinder head	Set for 6 heads, with (1) thermostat [11997107, 11997107-7]
6	270789-V	Gasket cylinder head	with seal rings [270789, 270789-1, 275742-6]
6	422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]
12	422414-V	Seal cylinder head	Brass sleeve 32mm OD with seal [422414, 422414-3]
12	422415-V	Seal cylinder head	Brass sleeve 18mm OD with seal [422415, 422415-0]
6	479260-V	Seal cylinder head	Water seal [479260, 479260-2, 423139-5]
1	276035-V	Set valve cover	Decarbonizing set, includes (6) 424693 vc gsk (6) 424694 vc gsk (6) 479260 water seal (12) 478074 valve cap (24) 941907 washer
6	424693-V	Gasket valve cover	Lower [424693-0, 469433-7]
6	424694-V	Gasket valve cover	Upper [424694-8, 46943405]
24	941907-V	Spring washer	[941907, 941907-8, 13941907-1]
1	424983-V	Seal crankshaft front	Seal [424983, 424983-5, 469507-8]
1	941666-V	Seal crankshaft front	Felt ring [941666-0]

Volvo CE	TD102 / 9.6L	6 Cylinder	TD102G: Turbo
Diesel	(Continued)	Bore 4.750	TD102K: Turbo and Intercooled
		Stroke 5.512	1 head per cylinder
20441697-V	Seal crankshaft rear	[20441697, 20441697-8, 469336-2, 821754-9, 849567-3]	
1 424602-1	Gasket oil pan	[424602-1, 11031047-1, 1545696-5, 1545129-7, 479264-4]	
1 11031009-V	Gasket oil pan	For baffle plate [11031009, 11031009-1]	
CAMSHAFT			
12 479863-V	Lifter	Only for forged steel camshafts [479863, 479863-3]	
VALVE TRAIN			
6 479204-V	Valve intake	[479204-0, 1545290-7, 467502-1, 422016-6]	
6 467855-V	Valve exhaust	[467855-3, 467682-1, 422017-4]	
6 422762-V	Valve guide	Intake [422762, 422762-5]	
6 1545135-V	Valve guide	[1545135, 11129092-0, 1545135-4]	
12 467335-V	Valve spring	Inner [467335, 467335-6]	
12 467334-V	Valve spring	Outer [467334, 467334-9]	
24 468305	Valve lock		
12 467506-V	Washer valve spring	[467506, 467506-2]	
12 478074-V	Valve stem cap	[478074, 478074-8]	
12 417135-V	Valve stem seal	[417135, 417135-1, 7417135-6]	
6 467474-V	Valve seat	Intake [467474, 467474-3]	
6 1545886-V	Valve seat	Exhaust [1545886, 1545886-2]	
6 270946-V	Injector sleeve	Kit, includes sleeve (1545023) seal (466405) ring (466420) [270946, 270946-7]	
6 1545023-V	Injector sleeve	Sleeve only [1545023, 1545023-2, 479163-8]	
6 466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]	
6 466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]	
24 422086-V	Bolt cylinder head	M19 x 198mm [422086, 422086-9, 467918-9]	
CRANKSHAFT			
1 6888669-V	Crankshaft	10 holes in flywheel, 115cm length [6888669-6, 20381958-6, 8194490-2]	
esn -278294			
1 8126780-V	Crankshaft	14 holes in flywheel [8126780, 8126780-9, 20381957-8, 8194456-3, 8194304-5]	
esn 278924-			
CONNECTING ROD			
12 1545479-V	Bolt conn rod	[1545479, 1545479-6, 7417464]	
OIL / LUBE SYSTEM			
1 422314-V	Bushing idler gear	Oil pump idler gear [422314, 422314-5]	
FUEL / INJECTOR			
6 469455-V	Seal injector	Top of injector [469455, 469455, 948965-9]	
12 947620-V	Washer	Leakoff line [947620, 947620-1, 946729-1, 6601761-7]	
COOLING SYSTEM			
1 8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]	
1 1544410-V	Thermostat seal	Upper [1544410, 1544410-2, 11000236-7]	
1 1544710-V	Thermostat seal	Lower [1544710, 1544710-5]	
1 925257-V	Oring	Water pump to housing, large [925257, 925257-8]	
2 1664473-V	Oring	Water pump to housing, small [1664473, 1664473-4, 12306]	
TURBO / AIR			
1 8194365-V	Gasket turbo mounting	[8194365, 8194365-6, 1545141-2]	
1 420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]	
1 470993-V	Gasket turbo drain	Round hole [470993, 470993-7, 420423-6, 7420423-1]	
1 942703-V	Copper washer	[942703, 942703-0]	
Turbo supply banjo fitting to block			
1 11998-V	Copper washer	[11998, 11998-2, 7011998-7, 15301-5]	
Turbo supply banjo fitting to block			
1 1542781-V	Turbo seal ring	Turbocharger to intake [1542781, 1542781-8]	

Volvo CE	TD102 / 9.6L	6 Cylinder	TD102G: Turbo
Diesel	(Continued)	Bore 4.750	TD102K: Turbo and Intercooled
		Stroke 5.512	1 head per cylinder
1	276052-1-V	Set manifold	Intake, exhaust
For engines without intercooler			
1	11990356-V	Set manifold	Intake, exhaust, intercooler [11990356, 11990356-5]
For engines with intercooler			
6	479107-V	Gasket manifold exhaust	[479107, 479107-5]
1	275748-V	Seal ring manifold	Exhaust manifold, set of 3 seals; (2) 1545109, (1) 471219 [275748-2, 275748, 471219-6]
2	1545109-V	Seal ring manifold	Exhaust manifold, steel ring [1545109, 1545109-9]
1	471219-V	Seal ring manifold	Exhaust manifold, steel ring [471219, 471219-6]
6	469829-V	Seal ring manifold	Intake manifold, square packing [469829, 469829-6]
2	3979052-V	Gasket aftercooler	Core to housing [469661, 469661-3, 3979052-2]
1	469662-V	Gasket aftercooler	Air intake cover to aftercooler top housing [469662, 469662-1]
2	469508-V	Seal ring air intake	Air intake coupler[469508, 469508-6]
2	925094-V	Oring aftercooler	Connection flange, large oring [925094, 925094-5]
2	425695-V	Oring aftercooler	Connection flange, small oring [425695, 425695-4, 469668]
BLOCK			
3	469823-V	Gasket inspection cover	[469823, 469823-8, 467409-9]
6	471856-V	Seal ring bolt	Inspection cover bolt seal [471856, 471856-5]

Volvo CE TD103 / 9.6L Diesel TD103KAE, TD103KBE, TD103KCE	6 Cylinder Bore 4.750 Stroke 5.512	TD103K: Turbo and Intercooled 1 head per cylinder
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Articulated hauler: A30C Volvo BM msn 2001-2320 (TD103KBE: 8188140) A30C Volvo msn 2321- ; 60001- (TD103KBE: 8188140)
Excavator: EC340 Volvo msn 1001- (TD103KAE: 497282) EC390 Volvo msn 1001- (TD103KAE: 497282)
Loader: L150C Volvo BM msn 2436-2767, 60619-60700 (TD103KCE: 8188141) L150C Volvo msn 2768-4000, 60701-61500 (TD103KCE: 8188141)
Loader: L150C Volvo msn 4001- , 61501- (TD103KCE: 8188144) L150D Volvo msn 5001- , 62501- (TD103KCE: 8188144)

ENGINE KITS

1	11705972-V	Overhaul kit	TD103KAE: EC340, EC390
1	11705953-V	Overhaul kit	TD103KBE, TD103KCE: A30C, L150C, L150D

CYLINDER KIT

6	276859-V	Cylinder kit	[276859, 276859-6, 275647-6]
6	276197-V	Ring set	[276197, 276197-1]
6	271157-V	Cylinder liner oring kit	Set of 3 orings with sealant, 2.4mm top ring thickness [271157, 271157-0, 270788-3]
	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 11167009-7]

BEARINGS

6	270124-V	Bearing rod pair	Std [270124, 270124-1]
	270125-V	Bearing rod pair	0.25mm [270125, 270125-8]
	270126-V	Bearing rod pair	0.50mm [270126, 270126-6]
7	270438-V	Bearing main pair	Std [270438, 270438-5, 7270438-0]
	270439-V	Bearing main pair	0.25mm [270439, 270439-3, 7270439-8]
	270440-V	Bearing main pair	0.50mm [270440, 270440-1, 7270440-6]
1	276758-V	Thrust washer kit	Std [276758, 276758-0, 7276758-5]
	276759-V	Thrust washer kit	0.10mm [276759, 276759-8, 7276759-3]
	276760-V	Thrust washer kit	0.20mm [276760, 276760-6, 7276760-1]

GASKET & SEALS

1	11997107-V	Set cylinder head	Set for 6 heads, with (1) thermostat [11997107, 11997107-7]
6	270789-V	Gasket cylinder head	with seal rings [270789, 270789-1, 275742-6]
6	422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]
12	422414-V	Seal cylinder head	Brass sleeve 32mm OD with seal [422414, 422414-3]
12	422415-V	Seal cylinder head	Brass sleeve 18mm OD with seal [422415, 422415-0]
6	479260-V	Seal cylinder head	Water seal [479260, 479260-2, 423139-5]
1	276035-V	Set valve cover	Decarbonizing set, includes (6) 424693 vc gsk (6) 424694 vc gsk (6) 479260 water seal (12) 478074 valve cap (24) 941907 washer
6	424693-V	Gasket valve cover	Lower [424693-0, 469433-7]
6	424694-V	Gasket valve cover	Upper [424694-8, 46943405]
24	941907-V	Spring washer	[941907, 941907-8, 13941907-1]
1	424983-V	Seal crankshaft front	Seal [424983, 424983-5, 469507-8]
1	941666-V	Seal crankshaft front	Felt ring [941666-0]
	20441697-V	Seal crankshaft rear	[20441697, 20441697-8, 469336-2, 821754-9, 849567-3]
1	424602-1	Gasket oil pan	[424602-1, 11031047-1, 1545696-5, 1545129-7, 479264-4]
1	11031009-V	Gasket oil pan	For baffle plate [11031009, 11031009-1]

A30C, L150C, L150D

CAMSHAFT

1	8194480-V	Camshaft	[8194480, 8194480-3, 479610-8]
12	479863-V	Lifter	Only for forged steel camshafts [479863, 479863-3]

Volvo CE	TD103 / 9.6L	6 Cylinder	TD103K: Turbo and Intercooled 1 head per cylinder
Diesel	(Continued)	Bore 4.750	
TD103KAE, TD103KBE, TD103KCE		Stroke 5.512	
VALVE TRAIN			
1	11701970-V	Valve train kit	Valves, guides, seats, injector tubes and seals [11701970-3]
6	479204-V	Valve intake	[479204-0, 1545290-7, 467502-1, 422016-6]
6	467855-V	Valve exhaust	[467855-3, 467682-1, 422017-4]
6	1545135-V	Valve guide	[1545135, 11129092-0, 1545135-4]
12	467335-V	Valve spring	Inner [467335, 467335-6]
12	467334-V	Valve spring	Outer [467334, 467334-9]
24	468305	Valve lock	
12	467506-V	Washer valve spring	[467506, 467506-2]
12	478074-V	Valve stem cap	[478074, 478074-8]
12	417135-V	Valve stem seal	[417135, 417135-1, 7417135-6]
6	467474-V	Valve seat	Intake [467474, 467474-3]
6	1545886-V	Valve seat	Exhaust [1545886, 1545886-2]
6	270946-V	Injector sleeve	Kit, includes sleeve (1545023) seal (466405) ring (466420) [270946, 270946-7]
6	1545023-V	Injector sleeve	Sleeve only [1545023, 1545023-2, 479163-8]
6	466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]
6	466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]
24	422086-V	Bolt cylinder head	M19 x 198mm [422086, 422086-9, 467918-9]
CRANKSHAFT			
10	8126780-V	Crankshaft	14 holes in flywheel [8126780, 8126780-9, 20381957-8, 8194456-3, 8194304-5]
CONNECTING ROD			
12	1545479-V	Bolt conn rod	[1545479, 1545479-6, 7417464]
OIL / LUBE SYSTEM			
1	422314-V	Bushing idler gear	Oil pump idler gear [422314, 422314-5]
FUEL / INJECTOR			
6	469455-V	Seal injector	Top of injector [469455, 469455, 948965-9]
12	947620-V	Washer	Leakoff line [947620, 947620-1, 946729-1, 6601761-7]
COOLING SYSTEM			
1	8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]
1	1544410-V	Thermostat seal	Upper [1544410, 1544410-2, 11000236-7]
1	1544710-V	Thermostat seal	Lower [1544710, 1544710-5]
1	925257-V	Oring	Water pump to housing, large [925257, 925257-8]
2	1664473-V	Oring	Water pump to housing, small [1664473, 1664473-4, 12306]
TURBO / AIR			
1	8194365-V	Gasket turbo mounting	[8194365, 8194365-6, 1545141-2]
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	470993-V	Gasket turbo drain	Round hole [470993, 470993-7, 420423-6, 7420423-1]
A30C			
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
EC340, EC390, L150C, L150D			
1	942703-V	Copper washer	[942703, 942703-0]
Turbo supply banjo fitting to block			
1	11998-V	Copper washer	[11998, 11998-2, 7011998-7, 15301-5]
Turbo supply banjo fitting to block			
1	11990356-V	Set manifold	Intake, exhaust, intercooler [11990356, 11990356-5]
For TD103KAE also order (2) 469508 for total of 4			
6	479107-V	Gasket manifold exhaust	[479107, 479107-5]
1	275748-V	Seal ring manifold	Exhaust manifold, set of 3 seals; (2) 1545109, (1) 471219 [275748-2, 275748, 471219-6]
2	1545109-V	Seal ring manifold	Exhaust manifold, steel ring [1545109, 1545109-9]
1	471219-V	Seal ring manifold	Exhaust manifold, steel ring [471219, 471219-6]

Volvo CE TD103 / 9.6L		6 Cylinder	TD103K: Turbo and Intercooled 1 head per cylinder
Diesel (Continued)		Bore 4.750	
TD103KAE, TD103KBE, TD103KCE		Stroke 5.512	
6	469829-V	Seal ring manifold	Intake manifold, square packing [469829, 469829-6]
BLOCK			
3	469823-V	Gasket inspection cover	[469823, 469823-8, 467409-9]
6	471856-V	Seal ring bolt	Inspection cover bolt seal [471856, 471856-5]

Volvo CE D10 / 9.6L Diesel	6 Cylinder Bore 120mm Stroke 140mm
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Articulated hauler: A25D Volvo msn 11001-12999; US 61001-61118; BRAZIL 71001-71999 (D10BACE2: 8188151) (D10BADE2: 8188152)

Articulated hauler: A30D Volvo msn 10001-11999; US 60001-60093; Brazil 70001-72999 (D10BAAE2: 8188145) (D10BABE2: 8188150)

Excavator: EC330B Volvo msn 10001-10235 AND EC360B Volvo msn 10001-10828 (D10BEAE2: 8188147) (D10BEBE2: 8188154) (D10BECE2: 8188155)

Loader: L150E Volvo msn -8000 (D10BLAE2: 8188146)

Motor Grader: G740B Volvo msn 35000-, G746B Volvo msn 35000-, G4780B Volvo msn 35000- (D10BGAE2: 8188148)

BEARINGS

6	270124-V	Bearing rod pair	Std [270124, 270124-1]
	270125-V	Bearing rod pair	0.25mm [270125, 270125-8]
	270126-V	Bearing rod pair	0.50mm [270126, 270126-6]
7	270438-V	Bearing main pair	Std [270438, 270438-5, 7270438-0]
	270439-V	Bearing main pair	0.25mm [270439, 270439-3, 7270439-8]
	270440-V	Bearing main pair	0.50mm [270440, 270440-1, 7270440-6]
1	276758-V	Thrust washer kit	Std [276758, 276758-0, 7276758-5]
	276759-V	Thrust washer kit	0.10mm [276759, 276759-8, 7276759-3]
	276760-V	Thrust washer kit	0.20mm [276760, 276760-6, 7276760-1]
6	8194039-V	Bushing conn rod	

GASKET & SEALS

6	270789-V	Gasket cylinder head	with seal rings [270789, 270789-1, 275742-6]
6	422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]
12	422414-V	Seal cylinder head	Brass sleeve 32mm OD with seal [422414, 422414-3]
12	422415-V	Seal cylinder head	Brass sleeve 18mm OD with seal [422415, 422415-0]
6	479260-V	Seal cylinder head	Water seal [479260, 479260-2, 423139-5]
6	424693-V	Gasket valve cover	Lower [424693-0, 469433-7]
6	424694-V	Gasket valve cover	Upper [424694-8, 46943405]
24	941907-V	Spring washer	[941907, 941907-8, 13941907-1]
1	424983-V	Seal crankshaft front	Seal [424983, 424983-5, 469507-8]
1	941666-V	Seal crankshaft front	Felt ring [941666-0]
	20441697-V	Seal crankshaft rear	[20441697, 20441697-8, 469336-2, 821754-9, 849567-3]

A25D, A30D, L150E, EC330B, EC360B

1	11129074	Seal crankshaft rear	[OEM] [11129074]
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G770B, G746B, G780B

1	479486-V	Gasket oil pan	[479486, 479486-3]
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A25D, A30D, L150E

1	424602-1	Gasket oil pan	[424602-1, 11031047-1, 1545696-5, 1545129-7, 479264-4]
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EC330B, EC360B, G770B, G746B, G780B

41	420991-V	Rubber cushion	For oil pan bolt [420991, 420991-2]
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A25D, A30D, L150E

CAMSHAFT

1	8194480-V	Camshaft	[8194480, 8194480-3, 479610-8]
12	479863-V	Lifter	Only for forged steel camshafts [479863, 479863-3]

VALVE TRAIN

6	8194223-V	Valve intake	[8194223, 8194223-7]
6	8194224-V	Valve exhaust	[8194224, 8194224-5]
12	1545135-V	Valve guide	[1545135, 11129092-0, 1545135-4]
12	467335-V	Valve spring	Inner [467335, 467335-6]
12	467334-V	Valve spring	Outer [467334, 467334-9]

Volvo CE Diesel	D10 / 9.6L (Continued)	6 Cylinder Bore 120mm Stroke 140mm	
24	468305	Valve lock	
12	467506-V	Washer valve spring	[467506, 467506-2]
12	478074-V	Valve stem cap	[478074, 478074-8]
12	417135-V	Valve stem seal	[417135, 417135-1, 7417135-6]
A25D, A30D, EC330B, EC360B			
12	864860-V	Valve stem seal	[864860, 864860-2, 837626-1]
L150E, G740B, G746B, G780B			
6	467474-V	Valve seat	Intake [467474, 467474-3]
6	8194296-V	Valve seat	Exhaust [8194296, 8194296-3]
6	270946-V	Injector sleeve	Kit, includes sleeve (1545023) seal (466405) ring (466420) [270946, 270946-7]
6	1545023-V	Injector sleeve	Sleeve only [1545023, 1545023-2, 479163-8]
6	466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]
6	466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]
24	422086-V	Bolt cylinder head	M19 x 198mm [422086, 422086-9, 467918-9]
CRANKSHAFT			
10	8126780-V	Crankshaft	14 holes in flywheel [8126780, 8126780-9, 20381957-8, 8194456-3, 8194304-5]
CONNECTING ROD			
12	1545479-V	Bolt conn rod	[1545479, 1545479-6, 7417464]
OIL / LUBE SYSTEM			
1	422314-V	Bushing idler gear	Oil pump idler gear [422314, 422314-5]
FUEL / INJECTOR			
6	469455-V	Seal injector	Top of injector [469455, 469455, 948965-9]
12	947620-V	Washer	Leakoff line [947620, 947620-1, 946729-1, 6601761-7]
COOLING SYSTEM			
1	8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]
1	1544410-V	Thermostat seal	Upper [1544410, 1544410-2, 11000236-7]
1	1544710-V	Thermostat seal	Lower [1544710, 1544710-5]
1	423352-V	Gasket	Housing to housing [423352, 423352-4]
1	925257-V	Oring	Water pump to housing, large [925257, 925257-8]
1	13948980-V	Oring	Water pump to housing, large [13948980, 13948980-1, 948980-8]
2	1664473-V	Oring	Water pump to housing, small [1664473, 1664473-4, 12306]
A25D, A30D			
2	975674	Oring	Water pump to housing, small [975674]
L150E, EC330B, EC360B, G740B, G746B, G780B			
1	925092-V	Oring	Water pump to lower pipe [925092, 925092-9, 12304, 14012304-3, 14211895-9]
TURBO / AIR			
1	8194365-V	Gasket turbo mounting	[8194365, 8194365-6, 1545141-2]
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
1	942703-V	Copper washer	[942703, 942703-0]
Turbo supply banjo fitting to block			
1	11998-V	Copper washer	[11998, 11998-2, 7011998-7, 15301-5]
Turbo supply banjo fitting to block			
6	479107-V	Gasket manifold exhaust	[479107, 479107-5]
1	275748-V	Seal ring manifold	Exhaust manifold, set of 3 seals; (2) 1545109, (1) 471219 [275748-2, 275748, 471219-6]
2	1545109-V	Seal ring manifold	Exhaust manifold, steel ring [1545109, 1545109-9]
1	471219-V	Seal ring manifold	Exhaust manifold, steel ring [471219, 471219-6]
6	469829-V	Seal ring manifold	Intake manifold, square packing [469829, 469829-6]

Volvo CE	TD120 / 12.1L	6 Cylinder	
Diesel		Bore 5.125	
TD120A, TD120C, TD120G		Stroke 5.910	1 head per cylinder

Excavator: H25 msn 002-072 (TD120A: 9922) H25B msn 073-184 (TD120A: 867297)

Excavator: H25C msn 185-232 (TD120C: 867492) H25C msn 233-260 (TD120G: 867646)

CYLINDER KIT

6	275309-V	Ring set	For pistons with 4-ring grooves [275309, 275309-3]
TD120A			
	468271-V	Cylinder liner shim	0.20mm thick [468271, 468271-2]
	468272-V	Cylinder liner shim	0.30mm thick [468272, 468272-0]
	468273-V	Cylinder liner shim	0.50mm thick [468273, 468273-8]

VALVE TRAIN

6	468263-V	Injector sleeve	Sleeve only [468263, 468263-9, 423270-8]
6	468210-V	Seal injector sleeve	Rubber seal [468210, 468210-0]

TURBO / AIR

1	270772-KIT	Set manifold	Intake and exhaust [270772-7, 275549-4, 275598-1]
H25C with TD120C			

Volvo CE TD121 / 12.1L Diesel TD121G, TD121KG, TID121L	6 Cylinder Bore 5.125 Stroke 5.910	TD121G: Turbo TD121KG / TID121L: Turbo and Intercooled 1 head per cylinder
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Articulated hauler: A35 (TD121G: 497364)

Excavator: Akerman EC620 (TD121KG: 497369)

Excavator: Akerman H25C msn 261-302, 304, 307 (TD121G: 867842)

Akerman H25D msn 393-400 (TD121KG: 497369)

Excavator: Akerman H25C msn 303, 305, 306, 308-340 (TID121L: 868172)

Akerman H25D msn 341-392 (TID121L: 868172)

ENGINE KITS

1	11707061-V	Overhaul kit	A35 with TD121G [11707061, 11707061-5]
1	11706307-V	Overhaul kit	H25C with TD121G [11706307, 11706307-3]
1	11706305-V	Overhaul kit	EC620 Akerman with TD121KG, H25C with TID121L, H25D with TD121KG, H25D with TD121L [11706305, 11706305-7]

CYLINDER KIT

6	275626-V	Cylinder kit	A35 [275626, 275626-0]
6	876083-V	Cylinder kit	H25C TD 121G [876083, 876083-7]
6	876190-V	Cylinder kit	H25C TID121L, H25D TD121KG, H25D TD121L [876190, 876190-0]

6	270603-V	Ring set	[270603-4, 275321, 275321-8]
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A35

6	470286-V	Cylinder liner	[470286, 470286-6]
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A35

6	271155-V	Cylinder liner oring kit	includes sealant [271155, 271155-4, 275755-7]
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A35

6	270950-V	Cylinder liner oring kit	includes sealant [270950, 270950-9, 271121-6]
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EC620

	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
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	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 1167009-7]
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	468271-V	Cylinder liner shim	0.20mm thick [468271, 468271-2]
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A35, H25, H25C, H25D

	468272-V	Cylinder liner shim	0.30mm thick [468272, 468272-0]
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	468273-V	Cylinder liner shim	0.50mm thick [468273, 468273-8]
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BEARINGS

6	270130-V	Bearing rod pair	Std [270130, 270130-8]
	270131-V	Bearing rod pair	0.25mm [270131, 270131-6]
	270132-V	Bearing rod pair	0.50mm [270132, 270132-4]

7	270449-V	Bearing main pair	Std [270449, 270449-2]
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	270450-V	Bearing main pair	0.25mm [270450, 270450-0]
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	270451-V	Bearing main pair	0.50mm [270451, 270451-8]
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1	3093651-V	Thrust washer kit	Std [3093651, 3093651-2, 276791-1]
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	3093652-V	Thrust washer kit	0.10mm [3093652, 3093652-0, 276792-9]
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	3093653-V	Thrust washer kit	0.20mm [3093653, 3093653-8, 276793-7]
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GASKET & SEALS

1	V-V	Set cylinder head	Set for 6 heads, with (2) thermostats [11990748, 11990748-3]
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A35 with TD121G

1	11999355-V	Set cylinder head	Set for 6 heads, with (1) thermostat [11999355, 11999355-8]
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H25C with TD121G

1	11999353-V	Set cylinder head	Set for 6 heads, with (1) thermostat [11999353, 11999353-3]
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EC620 with TD121KG, H25C with TID121L, H25D with TD121KG, H25D with TD121L

6	275548-V	Set cylinder head gasket	Gasket with seal rings [275548, 275548-6]
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A35

Volvo CE	TD121 / 12.1L	6 Cylinder	TD121G: Turbo
Diesel	(Continued)	Bore 5.125	TD121KG / TID121L: Turbo and Intercooled
TD121G, TD121KG, TID121L		Stroke 5.910	1 head per cylinder
6	270949-V	Set cylinder head gasket	Gasket with seal rings, 470837 head gsk[270949, 270949-1]
EC620, H25C, H25D			
12	423326	Seal cylinder head	Brass sleeve with seal [423326]
12	422415-V	Seal cylinder head	Brass sleeve 18mm OD with seal [422415, 422415-0]
6	422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]
1	275554-V	Set valve cover	Decarbonizing set, includes (6) 424692 vc gsk (12) 942580 vc bolt oring (6) 423281 water pipe seal
6	424692-V	Gasket valve cover	[424692-2, 4126962-3, 468352-0, 468963-4]
1	424983-V	Seal crankshaft front	Seal [424983, 424983-5, 469507-8]
1	941666-V	Seal crankshaft front	Felt ring [941666-0]
2	20441697-V	Seal crankshaft rear	[20441697, 20441697-8, 469336-2, 821754-9, 849567-3]
1	11031523-V	Gasket oil pan	4-pc gasket [11031523-1, 424603]
CAMSHAFT			
1	8193727-V	Camshaft	[8193727, 8193727-8, 479620-7]
A35; EC620			
12	479863-V	Lifter	Only for forged steel camshafts [479863, 479863-3]
VALVE TRAIN			
1	11990749-V	Valve train kit	Valves, guides, seats, injector tubes and seals [11990749-1]
6	468302-V	Valve intake	[468302, 468302-5, 423016-5]
6	468303-V	Valve exhaust	[468303, 468303-3, 423017-3]
6	422320-V	Valve guide	Intake [422320, 422320-2]
6	1545135-V	Valve guide	[1545135, 11129092-0, 1545135-4]
Exhaust			
12	468066-V	Valve spring	Inner [468066, 468066-6]
12	468067-V	Valve spring	Outer [468067, 468067-4]
24	468305	Valve lock	
12	478074-V	Valve stem cap	[478074, 478074-8]
12	468304-V	Washer valve spring	Upper [468304, 468304-1]
12	468065-V	Washer valve spring	Lower [468065, 468065-8]
6	423011-V	Valve seat	Intake, std [423011, 423011-6]
6	468448-V	Valve seat	Exhaust, std [468448, 468448-6]
6	273983-V	Injector sleeve	Kit, includes sleeve (470247) seal (466405) ring (466420) [273983, 273983-7]
6	470247-V	Injector sleeve	Sleeve only [470247, 470247-8]
6	466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]
6	466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]
48	470261-V	Bolt cylinder head	M15 x 189mm [470261, 470261-9, 423485-2, 423486-0]
CRANKSHAFT			
1	6888740-V	Crankshaft	10 holes in flywheel, length 123cm [6888740, 6888740-5, 470681-8]
A35: esn to 186746			
1	8125583-V	Crankshaft	14 holes in flywheel, length 122cm [8125583, 8125583-8, 478676-0]
A35: esn 186747 and Up; EC620			
CONNECTING ROD			
12	1545479-V	Bolt conn rod	[1545479, 1545479-6, 7417464]
COOLING SYSTEM			
	8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]
A35: 2 thermostats; EC620: 1 thermostat			
	1544710-V	Thermostat seal	Lower [1544710, 1544710-5]
	1544410-V	Thermostat seal	Upper [1544410, 1544410-2, 11000236-7]

Volvo CE TD121 / 12.1L		6 Cylinder	TD121G: Turbo
Diesel (Continued)		Bore 5.125	TD121KG / TID121L: Turbo and Intercooled
TD121G, TD121KG, TID121L		Stroke 5.910	1 head per cylinder
1	423352-V	Gasket	Housing to housing [423352, 423352-4]
1	925257-V	Oring	Water pump to housing, large [925257, 925257-8]
2	1664473-V	Oring	Water pump to housing, small [1664473, 1664473-4, 12306]
TURBO / AIR			
1	470939-V	Gasket turbo mounting	[470939, 470939-0, 20794537-9, 417382-2, 7417382-4]
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
1	1542781-V	Turbo seal ring	Turbocharger to intake [1542781, 1542781-8]
1	270772-1KIT-V	Set manifold	Without intercooler; (6) each: 470534-V, 469830-V, 423281-V [MGS-772/1]
A35			
1	270772-2KIT-V	Set manifold	With intercooler; (6) each: 470534-V, 469830-V, 423281-V; (2) 469661-V, (1) 469662-1, (1) 1542781-V; (2) each 469508-V, 925094-V, 425695-V [MGS-772/2]
EC620, H25C, H25D			
6	470534-V	Gasket manifold exhaust	[470534, 470534-9, 423323-5, 468647-3]
12	470323-V	Seal ring manifold exhau	Steel seal ring [470323, 470323-7]
6	469830-V	Seal ring manifold intake	[469830, 469830-4]
6	423281-V	Seal ring water pipe	[423281, 423281-5]
2	3979052-V	Gasket aftercooler	Core to housing [469661, 469661-3, 3970952-2]
1	469662-V	Gasket aftercooler	Air intake cover to aftercooler top housing [469662, 469662-1]
2	469508-V	Seal ring air intake	Air intake coupler[469508, 469508-6]
2	925094-V	Oring aftercooler	Connection flange, large oring [925094, 925094-5]
2	425695-V	Oring aftercooler	Connection flange, small oring [425695, 425695-4, 469668]
BLOCK			
3	469823-V	Gasket inspection cover	[469823, 469823-8, 467409-9]
6	471856-V	Seal ring bolt	Inspection cover bolt seal [471856, 471856-5]

Volvo CE TD122 / 12.1L Diesel TD122G, TD122K	6 Cylinder Bore 5.125 Stroke 5.910	TD122G: Turbo TD122K: Turbo and Intercooled 1 head per cylinder
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Articulated hauler: A35 Volvo BM (TD122GA: 499180) A35C Volvo BM (TD122KAE: 499189) A35C Volvo (TD122KAE: 499189)
 Articulated hauler: A35C Volvo (TD122KME: 8188161) A40 Volvo BM (TD122KFE: 499168-3) A40 Volvo (TD122KFE: 499168-3)
 Excavator: EC450 Akerman (TD122KKE: 499289) EC450 Volvo (TD122KKE :499289) EC650 Akerman (TD122KIE: 499288)
 Loader: L180 Volvo BM (TD122GH: 499185) L180C Volvo BM (TD122KHE: 499167) L180C Volvo (TD122KHE: 499167 or 8188162)
 Loader: L180D Volvo (TD122KHE: 8188162) L220D Volvo (TD122KLE: 8188160)

ENGINE KITS

1	11706306-V	Overhaul kit	TD122GA, TD122GH
A35 with TD122GA; L180 with TD122 GH			
1	11706304-V	Overhaul kit	TD122KAE, TD122KFE, TD122KHE, TD122KIE, TD122KKE, TD122KLE
EC450 with TD 122KKE, EC650 with TD122KIE, A35C with TD122KAE/KME, A40 with TD122KFE, L180/L180C/L180D with TD122KHE, L220D with TD122KLE esn to 249225			
1	11707886-V	Overhaul kit	TD122KLE
L220D with TD122KLE esn 249225 and up			

CYLINDER KIT

6	275633-V	Cylinder kit	TD122GA, TD122GH
A35 with TD122GA; L180 with TD122 GH			
6	275634-V	Cylinder kit	TD122KAE, TD122KFE, TD122KHE, TD122KIE, TD122KKE, TD122KLE
except L220D esn 249225 and up			
6	275642	Cylinder kit	TD122KLE
L220D with TD122KLE esn 249225 and up			
6	270603-V	Ring set	[270603-4, 275321, 275321-8]
except L220D esn 249225 and up			
6	276167-V	Ring set	[276167, 276167-4]
for L220D esn 249225 and up			
6	270950-V	Cylinder liner oring kit	includes sealant [270950, 270950-9, 271121-6]
	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 11167009-7]
	468271-V	Cylinder liner shim	0.20mm thick [468271, 468271-2]
	468272-V	Cylinder liner shim	0.30mm thick [468272, 468272-0]
	468273-V	Cylinder liner shim	0.50mm thick [468273, 468273-8]

BEARINGS

6	270130-V	Bearing rod pair	Std [270130, 270130-8]
	270131-V	Bearing rod pair	0.25mm [270131, 270131-6]
	270132-V	Bearing rod pair	0.50mm [270132, 270132-4]
7	270449-V	Bearing main pair	Std [270449, 270449-2]
	270450-V	Bearing main pair	0.25mm [270450, 270450-0]
	270451-V	Bearing main pair	0.50mm [270451, 270451-8]
1	3093651-V	Thrust washer kit	Std [3093651, 3093651-2, 276791-1]
	3093652-V	Thrust washer kit	0.10mm [3093652, 3093652-0, 276792-9]
	3093653-V	Thrust washer kit	0.20mm [3093653, 3093653-8, 276793-7]

GASKET & SEALS

11999355-V	Set cylinder head	Set for 6 heads, with (1) thermostat [11999355, 11999355-8]
TD122G: L180 esn to 225534		
11999345-V	Set cylinder head	Set for 6 heads, with (2) thermostats [11999345, 11999345-9]
TD122G: A35; L180 esn 225535 and up		
11999353-V	Set cylinder head	Set for 6 heads, with (1) thermostat [11999353, 11999353-3]
TD122K: L180/L180C esn to 225534; EC450, EC650		

Volvo CE Diesel TD122G, TD122K	TD122 / 12.1L (Continued)	6 Cylinder Bore 5.125 Stroke 5.910	TD122G: Turbo TD122K: Turbo and Intercooled 1 head per cylinder
11999354-V	Set cylinder head	Set for 6 heads, with thermostats [11999354, 11999354-1]	
TD122K: A35C, A40; L180/L180C esn 225535 and up, L180D, L220D			
270949-V	Set cylinder head gasket	Gasket with seal rings, 470837 head gsk[270949, 270949-1]	
423326	Seal cylinder head	Brass sleeve with seal [423326]	
422415-V	Seal cylinder head	Brass sleeve 18mm OD with seal [422415, 422415-0]	
422413-V	Seal cylinder head	Brass sleeve 11mm OD with seal [422413, 422413-5]	
275554-V	Set valve cover	Decarbonizing set, includes (6) 424692 vc gsk (12) 942580 vc bolt oring (6) 423281 water pipe seal	
424692-V	Gasket valve cover	[424692-2, 4126962-3, 468352-0, 468963-4]	
424983-V	Seal crankshaft front	Seal [424983, 424983-5, 469507-8]	
941666-V	Seal crankshaft front	Felt ring [941666-0]	
20441697-V	Seal crankshaft rear	[20441697, 20441697-8, 469336-2, 821754-9, 849567-3]	
11031523-V	Gasket oil pan	4-pc gasket [11031523-1, 424603]	
CAMSHAFT			
1	8193727-V	Camshaft	[8193727, 8193727-8, 479620-7]
12	479863-V	Lifter	Only for forged steel camshafts [479863, 479863-3]
VALVE TRAIN			
1	11990749-V	Valve train kit	Valves, guides, seats, injector tubes and seals [11990749-1]
6	468302-V	Valve intake	[468302, 468302-5, 423016-5]
6	468303-V	Valve exhaust	[468303, 468303-3, 423017-3]
6	422320-V	Valve guide	Intake [422320, 422320-2]
6	1545135-V	Valve guide	[1545135, 11129092-0, 1545135-4]
Exhaust			
12	468066-V	Valve spring	Inner [468066, 468066-6]
12	468067-V	Valve spring	Outer [468067, 468067-4]
24	468305	Valve lock	
12	478074-V	Valve stem cap	[478074, 478074-8]
12	468304-V	Washer valve spring	Upper [468304, 468304-1]
12	468065-V	Washer valve spring	Lower [468065, 468065-8]
6	423011-V	Valve seat	Intake, std [423011, 423011-6]
6	468448-V	Valve seat	Exhaust, std [468448, 468448-6]
6	273983-V	Injector sleeve	Kit, includes sleeve (470247) seal (466405) ring (466420) [273983, 273983-7]
6	470247-V	Injector sleeve	Sleeve only [470247, 470247-8]
6	466405-V	Seal injector sleeve	Rubber seal [466405, 466405-8]
6	466420-V	Ring injector sleeve	Steel ring [466420, 466420-7]
48	470261-V	Bolt cylinder head	M15 x 189mm [470261, 470261-9, 423485-2, 423486-0]
CRANKSHAFT			
1	6888740-V	Crankshaft	10 holes in flywheel, length 123cm [6888740, 6888740-5, 470681-8]
A35: esn to 186746			
1	8125583-V	Crankshaft	14 holes in flywheel, length 122cm [8125583, 8125583-8, 478676-0]
Except A35: esn 186747 and Up			
CONNECTING ROD			
12	1545479-V	Bolt conn rod	[1545479, 1545479-6, 7417464]
COOLING SYSTEM			
	8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]
(2) thermostats: A35, A35C, A40; L180D, L220D; L180/L180C esn 225535 and after; (1) thermostat: EC450, EC650; L180/L180C esn to 225534			
	1544710-V	Thermostat seal	Lower [1544710, 1544710-5]

Volvo CE Diesel TD122G, TD122K	TD122 / 12.1L (Continued)	6 Cylinder Bore 5.125 Stroke 5.910	TD122G: Turbo TD122K: Turbo and Intercooled 1 head per cylinder
1544410-V	Thermostat seal	Upper [1544410, 1544410-2, 11000236-7]	
1 423352-V	Gasket	Housing to housing [423352, 423352-4]	
1 925257-V	Oring	Water pump to housing, large [925257, 925257-8]	
1 13948980-V	Oring	Water pump to housing, large [13948980, 13948980-1, 948980-8]	
2 1664473-V	Oring	Water pump to housing, small [1664473, 1664473-4, 12306]	
2 975674	Oring	Water pump to housing, small [975674]	
TURBO / AIR			
1 470939-V	Gasket turbo mounting	[470939, 470939-0, 20794537-9, 417382-2, 7417382-4]	
1 420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]	
1 420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]	
1 1542781-V	Turbo seal ring	Turbocharger to intake [1542781, 1542781-8]	
1 270772-1KIT-V	Set manifold	Without intercooler; (6) each: 470534-V, 469830-V, 423281-V [MGS-772/1]	
1 270772-2KIT-V	Set manifold	With intercooler; (6) each: 470534-V, 469830-V, 423281-V; (2) 469661-V, (1) 469662-1, (1) 1542781-V; (2) each 469508-V, 925094-V, 425695-V [MGS-772/2]	
6 470534-V	Gasket manifold exhaust	[470534, 470534-9, 423323-5, 468647-3]	
12 470323-V	Seal ring manifold exhau	Steel seal ring [470323, 470323-7]	
6 469830-V	Seal ring manifold intake	[469830, 469830-4]	
6 423281-V	Seal ring water pipe	[423281, 423281-5]	
2 3979052-V	Gasket aftercooler	Core to housing [469661, 469661-3, 3970952-2]	
1 469662-V	Gasket aftercooler	Air intake cover to aftercooler top housing [469662, 469662-1]	
2 469508-V	Seal ring air intake	Air intake coupler[469508, 469508-6]	
2 925094-V	Oring aftercooler	Connection flange, large oring [925094, 925094-5]	
2 425695-V	Oring aftercooler	Connection flange, small oring [425695, 425695-4, 469668]	
BLOCK			
3 469823-V	Gasket inspection cover	[469823, 469823-8, 467409-9]	
6 471856-V	Seal ring bolt	Inspection cover bolt seal [471856, 471856-5]	

Volvo CE Diesel	D12 / 12.1L	6 Cylinder Bore 131mm Stroke 150mm	
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Articulated hauler: A35D Volvo (D12CABE2, D12CADE2, D12DAAE2, D12DAAE3) A40D Volvo (D12CAAE2, D12CACE2, D12DABE, D12DABE3)
Excavator: E330B Volvo msn 10236 and up EC360B Volvo msn 10829 and up (D12CECE2, D12CEDE2, D12CEEE2, D12DEBE2, D12EBE3)
Excavator: EC460B Volvo (D12CEAE2, D12CEBE2, D12CEFE2, D12DEAE2, D12DEAE3)
Loader: L150E Volvo msn 10002 and up (D12DLDE3) L180E Volvo (D12CLCE2, D12DLAE3) L220E Volvo (D12CLBE2, D12DLBE3)

CYLINDER KIT

6	20515059	Cylinder kit	[20515059, 20515059-2, 20820360-4, 276921-4, 11712685-4]
A35D, A40D: esn 397682 and up, except Tier 3			
6	270950-V	Cylinder liner oring kit	includes sealant [270950, 270950-9, 271121-6]
	1161277-V	Sealant tube	20ml RTV sealant [1161277, 1161277-7]
	11713514-V	Sealant tube	300ml RTV sealant gun tube [11713514, 1161231-4, 11713514-5, 11167009-7]

BEARINGS

6	276134-V	Bearing rod pair	Std [276134, 276134-4; 1547742 halve]
	276135	Bearing rod pair	0.25mm [OEM] [276135; 1677286 halve]
	276136-V	Bearing rod pair	0.50mm [276136, 276136-1; 1677287 halve]
7	20530916-V	Bearing main pair	Std [20530916, 20530916-4, 276615-2; 1547741 upper, 1547739 lower]
	20578624-V	Bearing main pair	0.25mm [20578624, 20578624-7, 276616-0; 1677244 upper, 1677264 lower]
1	3093651-V	Thrust washer kit	Std [3093651, 3093651-2, 276791-1]
	3093652-V	Thrust washer kit	0.10mm [3093652, 3093652-0, 276792-9]
	3093653-V	Thrust washer kit	0.20mm [3093653, 3093653-8, 276793-7]

GASKET & SEALS

1	3099100-V	Gasket cylinder head	Gasket 20412953 with seal rings [3099100-4, 276887-7, 3169560-9, 276916-4, 3093503-5]
1	20710242-V	Set valve cover	Decarbonizing set [20710242, 20710242-7, 3092642-2]
1	8170116-V	Gasket valve cover	[8170116, 8170116-1]
	1677656-V	Gasket inspection cover	Cylinder block side cover [1677656, 1677656-9, 20712545-1]
1	1543896-V	Seal crankshaft rear	
2 used: A35D, A40D; 1 used: All others			
1	425622-V	Gasket oil pan	[425622, 425622-8]
D12C: A35D, A40D; L180E, L220E			
1	11127584	Gasket oil pan	[OEM] [11127584]
D12C: EC330B, EC360B, EC460B			
1	20532272-V	Gasket oil pan	[20532272]
D12D			
42	420991-V	Rubber cushion	For oil pan bolt [420991, 420991-2]
D12C: A35D, A40D; L180E, L220E			

VALVE TRAIN

12	3169490-V	Valve intake	[3169490, 3169490-4, 8130103-8, 1547492-7, 3165231-6, 3964398-6]
D12C: A35D, A40D, L180E esn to 302887; L220E eng no 8188169; EC460B esn -302887			
12	20459326	Valve intake	[OEM] [20459326]
D12D: All; D12C: LE180 esn 302888 and up; L220E eng no 8188774; EC330B, EC360B; EC460B esn 302888 and up			
12	20441945-V	Valve exhaust	[20441945, 20441945-1, 3165234-0]
D12C all; D12D: Tier II			
12	20441486-V	Valve exhaust	[20441486, 20441486-4]
D12D: Tier III			
24	1546437-V	Valve guide	[1546437, 1546437-3]
D12C: A35D and A40D: esn to 250005; L180E eng no 8188170 esn to 302887; L220E eng no 8188169; EC460B esn to 250005			
24	1546436	Valve guide	[OEM] [1546436]
D12C: A35D and A40D esn 250006-302887; EC460B: esn 250006-302887			

Volvo CE	D12 / 12.1L	6 Cylinder	
Diesel	(Continued)	Bore 131mm	
		Stroke 150mm	
24	20905400-V	Valve guide	[20905400, 20817645, 3165303]
D12C/D: A35D D12D(8188752), A40D D12D(8188753); L180E D12C esn 302888- ; L220E D12C (8188774); EC330B and EC360B D12C, D12D (8280232); E460B: D12C esn 302888- , D12D (8279676)			
24	20817648-V	Valve guide	[20817648, 20817648-7, 20460636-1]
D12D: A35D (8188762), A40D (8188763); L150E, L180E, L220E; EC330B, EC360B (8280231); EC460B (8279675)			
24	3183210-V	Valve spring	[3183210, 1547209]
Intake; Exhaust outer			
12	3183211-V	Valve spring	[3183211, 1547210]
Exhaust inner			
48	1677875	Valve lock	For single-groove stem [OEM] [1677875]
48	20510747	Valve lock	For multi-groove stem [OEM] [20510747]
24	859171-V	Valve stem seal	[859171, 419702-6, 7419702-1, 1306630-3]
6	276811-V	Injector sleeve	Kit, includes sleeve (1546718) and oring (3165747) [276811, 276811-7]
D12C with esn to 302887: A35D, A40D, L180E, EC460B; L220E D12C (8188169)			
6	1546718-V	Injector sleeve	Sleeve only [1546718, 1546718-6, 3183241-3]
6	85104134-V	Injector sleeve	Kit, includes sleeve (3183368) and oring (20536487) [85104134, 85104134-3]
D12C with esn 302888 and up or D12D: A35D, A40D, L180E, EC460B; L220E D12C (8188774), D12D; D12C/D: L150E, EC330B, EC360B			
6	3183368-V	Injector sleeve	Sleeve only [3183368, 3183368-4]
6	3165747-V	Oring	[3165747, 3165747-1]
6	20536487-V	Oring	[20536487, 3165747]
38	1547419-V	Bolt cylinder head	200mm length [1547419, 1547419-0, 21345131-3]
CRANKSHAFT			
1	20411189-V	Crankshaft	[20411189-2, 1547468-7, 20533088-9, 20533089-7]
D12C: All; D12D: All except EC460B esn 400851 and up			
CONNECTING ROD			
12	1543035-V	Bolt conn rod	[1543035, 1543035-8]
FUEL / INJECTOR			
6	276948-V	Injector oring kit	[276948-7, 276644-2, 276845-5, 276835-4]
COOLING SYSTEM			
1	8149182-V	Thermostat	82C degrees [8149182, 8149182-1, 1544683-4, 1676306-2, 11000237-5]
1	8149186-V	Thermostat	86C degrees [8149186, 8149186-2, 1665694-4]
1	1544710-V	Thermostat seal	Lower [1544710, 1544710-5]
1	8170519-V	Gasket water connection	[8170519, 8170519-6]
1	8149301-V	Gasket water pipe	[8149301, 8149301-7]
2	8170514-V	Gasket water connection	Water pump connections [8170514, 8170514-7]
1	8170515	Gasket water connection	[8170515, 8170515-4]
early			
1	8130185-V	Gasket water connection	[8130185, 8130185-5]
late			
TURBO / AIR			
1	470939-V	Gasket turbo mounting	[470939, 470939-0, 20794537-9, 417382-2, 7417382-4]
D12C			
1	8194365-V	Gasket turbo mounting	[8194365, 8194365-6, 1545141-2]
D12D			
1	420641-V	Gasket turbo supply	[420641, 420641-3, 417378-7, 7417378-2, 466393-6, 7420475-1, 420475-6]
1	420643-V	Gasket turbo drain	Square hole [420643, 420643-9, 1545205-5]
1	1542781-V	Turbo seal ring	Turbocharger to intake [1542781, 1542781-8]
6	8170959	Gasket manifold exhaust	[8170959, 8170959-4, 8187272-3]