



CUMMINS

Truck/Bus/Coach/Industrial/Marine

MEDIUM DUTY TRUCK VP44 SYSTEM - CUMMINS ENGINE

The 5.9L VP44 system is widely used in 1998-2002 Cummins applications (from medium duty pickups to industrial).

The lift pump plays an integral role in the system. If the lift pump gets clogged and fails, it will cause the VP44 injection pump to fail. The injection pump uses fuel to lubricate itself, and without fuel flowing, it will seize up. These points should be kept in mind when servicing the fuel system on a VP44 application.



MODEL	YEAR	ENGINE	OEM PUMP #	BOSTECH PUMP #	BOSTECH INJECTOR #
1998-2002 MID-RANGE TRUCK/BUS/COACH (Freightliner, Ford, Sterling, Thomas, Bluebird)					
ISB	2000-2002	5.9L (175HP)	0 470 506 029	R16X	0 432 193 646
ISB		(190HP-195HP)	0 470 506 029	R16X	0 432 193 645
ISB		(210HP-215HP)	0 470 506 029	R16X	0 432 193 647
ISB		(230HP)	0 470 506 029	R16X	0 432 193 648
ISB		(250HP)	0 470 506 029	R16X	0 432 193 649
ISB		(275HP)	0 470 506 029	R16X	0 432 193 635
ISB	1999	5.9L (175HP)	0 470 506 012	R13X	0 432 193 646
ISB		(190HP-195HP)	0 470 506 012	R13X	0 432 193 645
ISB		(210HP-215HP)	0 470 506 012	R13X	0 432 193 647
ISB		(230HP)	0 470 506 012	R13X	0 432 193 648
ISB		(250HP)	0 470 506 012	R13X	0 432 193 649
ISB		(275HP)	0 470 506 012	R13X	0 432 193 635
ISB	1998	5.9L (175HP)	0 470 506 003	R13X	0 432 193 646
ISB		(190HP-195HP)	0 470 506 003	R13X	0 432 193 645
ISB		(210HP-215HP)	0 470 506 003	R13X	0 432 193 647
ISB		(230HP)	0 470 506 003	R13X	0 432 193 648
ISB		(250HP)	0 470 506 003	R13X	0 432 193 649
ISB		(275HP)	0 470 506 003	R13X	0 432 193 635



FUEL INJECTION COMPONENTS

VP44 COMPONENT	BOSTECH #
1998-2002 PUMP HP CONNECTOR	F00Z R20 002
1998-2002 HP CONNECTOR O-RING	3882589
1998-2002 OVERFLOW VALVE	1 467 445 003
1998-2002 OFF-SET KEY	1 460 065 026-046
1998-2002 DRIVE SHAFT NUT	1 463 395 004
1998-2005 DRIVE SHAFT LOCK WASHER	2 916 699 139





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COMMON RAIL FUEL INJECTORS

Bostech sells only the highest quality common rail injectors. Each injector is completely remanufactured. The control valves for every injector are examined under a microscope to verify that they are flawless. If the slightest flaw is identified, the control valve is replaced. After reassembly, each injector is thoroughly tested on our state of the art testing equipment.

MODEL	YEAR	ENGINE	OEM PUMP #	BOSTECH PUMP #	OEM INJECTOR #	BOSTECH INJECTOR #
2003-2010 MID-RANGE TRUCK/BUS/COACH (Freightliner, Ford, Sterling, Thomas, Bluebird)						
ISBe	2007-2010	6.7L (ALL)	0 445 020 072	0 445 020 072	4940096	DE803
ISBe	2003-2007	5.9L (ALL)	0 445 020 015	0 445 020 015	5254686	DE811

MODEL	YEAR	ENGINE	OEM PUMP #	CASE IH PUMP #	OEM INJECTOR #	BOSTECH INJECTOR #
2003-UP INDUSTRIAL, AGRICULTURAL AND MARINE						
ISBe	2003-UP	3.9L & 5.9L	0 445 020 011	4898921R	2830957	DE965
ISBe MARINE		3.9L & 5.9L			3968846	DE966

MODEL	YEAR	ENGINE	BOSTECH INJECTOR #
2003-2008 PEGASUS TRUCK/BUS/COACH/INDUSTRIAL			
GSL	2003-2008	8.3L	0 445 120 133
ISL	2003-2008		0 445 120 125
GSL	2003-2008		0 445 120 115
ISC	2003-2008		0 445 120 112
ISL	2003-2008		0 445 120 097

THE INJECTOR CONNECTOR IS RECOMMENDED BY THE MANUFACTURER TO BE REPLACED AT THE SAME TIME THE INJECTOR IS REPLACED!

3.9L & 5.9L - 5086874AB
4.5L & 6.7L - 68005335AA



FOR MORE INFORMATION, VISIT WWW.BOSTECHFUEL.COM OR CONTACT OUR TECHNICAL SUPPORT TEAM AT 800-868-0057.

FUEL INJECTION COMPONENTS

COMMON RAIL COMPONENT	BOSTECH #
2003-2008 TEMP SENSOR	0 281 002 471
2007-2008 RAIL PRESSURE SENSOR (RDS)	0 281 002 850
2003-2006 RAIL PRESSURE SENSOR (RDS)	0 281 002 851
2007-2008 RAIL	0 445 226 044
2003-2006 RAIL	0 445 226 014
2003-2008 RAIL (PEGASUS)	0 445 226 045
2007-2008 HY PRESSURE LIMITER (DBV)	1 110 010 013
2003-2006 HY PRESSURE LIMITER (DBV)	F 00R 000 632
2007-2008 COPPER GASKET	F 00R J01 453
2003-2006 COPPER GASKET	F 00V C17 503

COMMON RAIL COMPONENT	BOSTECH #
HP CONNECTOR (4.5L & 6.7L)	6 800 533 5AA
HP CONNECTOR (3.9L & 5.9L)	5 085 874 AB
2003-2008 HP CONNECTOR NUT	F 00R J00 437
2003-2008 DRIVE SHAFT NUT	2 915 030 057
1998-2008 DRIVE SHAFT LOCK WASHER	2 916 699 139
2007-2008 O-RING	F 00R J01 026
2003-2006 O-RING	2 430 210 081
2003-2008 PUMP MOUNTING GASKET	F 00E 200 094
2007 OXYGEN SENSOR	17115
2003-2006 MEASURING UNIT (MPROP)	0 928 400 666



INJECTOR SUPPLY TUBE
5086874AB

