



ESW CleanTech Vista®
CARB Verified Engine Family List
Executive Order DE-09-005
VDEC Family Name CA/ECT/2009/PM3+/N00/ON/DPF01

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1993	Cummins	PCE0505FDA5	8.3	*	DOC	California	Non-EGR
1993	Detroit Diesel Corporation	PDD08.5FZK7	8.5	*	*	California	Non-EGR
1994	Caterpillar	RCP403DZDAAA	6.6	*	DOC	California	Non-EGR
1994	Caterpillar	RCP403DZDABA	6.6	*	DOC	California	Non-EGR
1994	Caterpillar	RCP629EZDARA	10.3	*	*	California	Non-EGR
1994	Caterpillar	RCP638EZDARA	10.5	*	*	California	Non-EGR
1994	Cummins	RCE359D6DAAB	5.9	*	DOC	California	Non-EGR
1994	Cummins	RCE359D6DAAW	5.9	*	DOC	California	Non-EGR
1994	Cummins	RCE359D6DABW	5.9	*	DOC	California	Non-EGR
1994	Cummins	RCE359D6DASW	5.9	*	*	Federal	Non-EGR
1994	Cummins	RCE505D6DAAA	8.3	*	DOC	California	Non-EGR
1994	Cummins	RCE505D6DAAB	8.3	*	DOC	California	Non-EGR
1994	Cummins	RCE505D6DAAC	8.3	*	DOC	California	Non-EGR
1994	Cummins	RCE505F6DAAW	8.3	*	DOC	California	Non-EGR
1994	Cummins	RCE505F6DABW	8.3	*	*	Federal	Non-EGR
1994	Cummins	RCE661EJDARA	10.8	*	*	California	Non-EGR
1994	Cummins	RCE661EJDARC	10.8	*	*	California	Non-EGR
1994	Cummins	RCE661EJDARW	10.8	*	*	California	Non-EGR
1994	Cummins	RCE661FJDAAA	10.8	*	DOC	California	Non-EGR
1994	Detroit Diesel Corporation	RDD11.EJDARA	11.1	*	*	California	Non-EGR
1994	Detroit Diesel Corporation	RDD12.EJDARA	12.7	*	*	California	Non-EGR
1994	Detroit Diesel Corporation	RDD8.5EJDARA	8.5	*	*	California	Non-EGR
1994	Detroit Diesel Corporation	RDD8.5EJDARW	8.5	*	*	California	Non-EGR
1994	Detroit Diesel Corporation	RDD8.5FJDABA	8.5	*	DOC	California	Non-EGR
1994	Detroit Diesel Corporation	RDD8.5FJDARW	8.5	*	*	Federal	Non-EGR
1994	General Motors	RGM6.5C6DAAA	6.5	*	DOC	California	Non-EGR
1994	General Motors	RGM6.5C6DAAB	6.5	*	DOC	California	Non-EGR
1994	General Motors	RGM6.5C6DAAC	6.5	*	DOC	California	Non-EGR
1994	Hino	RHM3.8C7DARW	3.8	*	*	California	Non-EGR
1994	Hino	RHM6.5D7DARW	6.5	*	*	California	Non-EGR
1994	International	RNV408D6DAAW	6.7	*	DOC	California	Non-EGR
1994	International	RNV444C8DABA	7.3	*	DOC	California	Non-EGR
1994	International	RNV444C8DARA	7.3	*	*	Federal	Non-EGR
1994	International	RNV466D6D0TW	7.6	*	*	California	Non-EGR
1994	International	RNV466D6DAAA	7.6	*	DOC	California	Non-EGR
1994	International	RNV466D6DARW	7.6	*	*	California	Non-EGR
1994	International	RNV466D6DASW	7.6	*	*	California	Non-EGR
1994	International	RNV530D6DAAA	8.7	*	DOC	California	Non-EGR
1994	International	RNV7.3C8DAAA	7.3	*	DOC	California	Non-EGR
1994	Isuzu	RSZ3.9C6DARW	3.9	*	*	California	Non-EGR
1994	Mack	RMK728EGDARA	11.9	*	*	California	Non-EGR
1994	Mack	RMK728EJDARA	11.9	*	*	California	Non-EGR
1994	Mack Trucks	RMK728EGDATW	11.9	*	*	Federal	Non-EGR
1994	Mack Trucks	RMK728EJDARW	11.9	*	*	Federal	Non-EGR
1994	Mack Trucks	RMK728EJDASW	11.9	*	*	Federal	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1994	Mack Trucks	RMK728EJDATW	11.9	*	*	Federal	Non-EGR
1994	Mercedes Benz	RMB10.E6DARA	10.0	*	*	Federal	Non-EGR
1994	Mercedes Benz	RMB12.E6DARA	12.0	*	*	Federal	Non-EGR
1994	Mercedes Benz	RMB4.0D6DARA	4.0	*	*	Federal	Non-EGR
1994	Mercedes-Benz	RMB6.0D6DAAA	6.0	*	DOC	California	Non-EGR
1994	Mercedes-Benz	RMB6.0D6DARA	6.0	*	*	California	Non-EGR
1994	Mitsubishi	RMT238B7DAAA	3.9	*	DOC	California	Non-EGR
1994	Nissan	RND254C6DAAA	4.2	*	DOC	California	Non-EGR
1994	Nissan	RND423D6DAAA	6.9	*	DOC	California	Non-EGR
1994	Perkins	RPK243C6DAAA	4.0	*	DOC	California	Non-EGR
1994	Perkins	RPK365D6DAAA	6.0	*	DOC	California	Non-EGR
1994	Perkins	RPK365DGDAAA	6.0	*	*	Federal	Non-EGR
1994	Saab Scania	RSA673E6DARA	11.0	*	*	Federal	Non-EGR
1994	Volvo	RVT12.EJDBRA	12.1	*	*	California	Non-EGR
1994	Volvo	RVT6.7D6DBRA	6.7	*	*	California	Non-EGR
1995	Caterpillar	SCP403DZDAAA	6.6	*	DOC	California	Non-EGR
1995	Caterpillar	SCP403DZDABA	6.6	*	DOC	California	Non-EGR
1995	Caterpillar	SCP403DZDARK	6.6	*	*	California	Non-EGR
1995	Caterpillar	SCP442DZDARK	7.2	*	*	California	Non-EGR
1995	Caterpillar	SCP629EZDARK	10.3	*	*	California	Non-EGR
1995	Caterpillar	SCP629EZDARM	10.3	*	*	California	Non-EGR
1995	Caterpillar	SCP638EZDARA	10.5	*	*	California	Non-EGR
1995	Caterpillar	SCP729EZDARL	11.9	*	*	California	Non-EGR
1995	Cummins	SCE239D6DAAA	3.9	*	DOC	California	Non-EGR
1995	Cummins	SCE359D6DAAA	5.9	*	DOC	California	Non-EGR
1995	Cummins	SCE359D6DAAW	5.9	*	DOC	California	Non-EGR
1995	Cummins	SCE359D6DABW	5.9	*	DOC	California	Non-EGR
1995	Cummins	SCE505D6DAAA	8.3	*	DOC	California	Non-EGR
1995	Cummins	SCE505D6DAAW	8.3	*	DOC	California	Non-EGR
1995	Cummins	SCE505D6DABW	8.3	*	DOC	California	Non-EGR
1995	Cummins	SCE505F6DAAW	8.3	*	DOC	California	Non-EGR
1995	Cummins	SCE505F6DABW	8.3	*	DOC	Federal	Non-EGR
1995	Cummins	SCE661EJDARA	10.8	*	*	California	Non-EGR
1995	Cummins	SCE661EJDARC	10.8	*	*	California	Non-EGR
1995	Cummins	SCE661EJDARW	10.8	*	*	California	Non-EGR
1995	Cummins	SCE661EJDASW	10.8	*	*	California	Non-EGR
1995	Cummins	SCE661EJDATW	10.8	*	*	California	Non-EGR
1995	Cummins	SCE661FJDAAA	10.8	*	DOC	California	Non-EGR
1995	Detroit Diesel Corporation	SDD11.EJDARA	11.1	*	*	California	Non-EGR
1995	Detroit Diesel Corporation	SDD12.EJDARA	12.7	*	*	California	Non-EGR
1995	Detroit Diesel Corporation	SDD8.5EJDARA	8.5	*	*	California	Non-EGR
1995	Detroit Diesel Corporation	SDD8.5EJDARW	8.5	*	*	California	Non-EGR
1995	Detroit Diesel Corporation	SDD8.5FJDABA	8.5	*	DOC	California	Non-EGR
1995	General Motors	SGM6.5C6DAAB	6.5	*	DOC	California	Non-EGR
1995	General Motors	SGM6.5C6DAAC	6.5	*	DOC	California	Non-EGR
1995	General Motors	SGM6.5C6DAAW	6.5	*	DOC	California	Non-EGR
1995	General Motors	SGM6.5C6DABW	6.5	*	DOC	Federal	Non-EGR
1995	Hino	SHM3.8C7DARW	3.8	*	*	California	Non-EGR
1995	Hino	SHM6.5D7DARW	6.5	*	*	California	Non-EGR
1995	International	SNV444C8D0AA	7.3	*	DOC	California	Non-EGR
1995	International	SNV444C8D0RA	7.3	*	*	California	Non-EGR

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Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1995	International	SNV444C8D0SA	7.3	*	*	California	Non-EGR
1995	International	SNV444C8DAAA	7.3	*	DOC	Federal	Non-EGR
1995	International	SNV444C8DARW	7.3	*	*	Federal	Non-EGR
1995	International	SNV444C8DASW	7.3	*	*	Federal	Non-EGR
1995	International	SNV466D6DARA	7.6	*	*	California	Non-EGR
1995	International	SNV466D6DASA	7.6	*	*	California	Non-EGR
1995	International	SNV466D6DATA	7.6	*	*	California	Non-EGR
1995	International	SNV466D8DARB	7.6	*	*	California	Non-EGR
1995	International	SNV466D8DASB	7.6	*	*	California	Non-EGR
1995	International	SNV466D8DATB	7.6	*	*	California	Non-EGR
1995	International	SNV530D6DARA	8.7	*	*	California	Non-EGR
1995	International	SNV530E6DASA	8.7	*	*	California	Non-EGR
1995	International	SNV530F6DATA	8.7	*	DOC	California	Non-EGR
1995	International	SNV7.3C8DAAA	7.3	*	DOC	California	Non-EGR
1995	Isuzu	SSZ3.9C6DARW	3.9	*	*	California	Non-EGR
1995	Isuzu	SSZ7.1D6DAAA	7.1	*	DOC	California	Non-EGR
1995	Isuzu Motors	SSZ7.1D6DARW	7.1	*	*	Federal	Non-EGR
1995	Mack	SMK728EGDARA	11.9	*	*	California	Non-EGR
1995	Mack	SMK728EJDARA	11.9	*	*	California	Non-EGR
1995	Mack Trucks	SMK728EGDATW	11.9	*	*	Federal	Non-EGR
1995	Mack Trucks	SMK728EJDARW	11.9	*	*	Federal	Non-EGR
1995	Mack Trucks	SMK728EJDASW	11.9	*	*	Federal	Non-EGR
1995	Mack Trucks	SMK728EJDATW	11.9	*	*	Federal	Non-EGR
1995	Mercedes Benz	SMB10.E6DARA	10.0	*	*	Federal	Non-EGR
1995	Mercedes Benz	SMB12.E6DARA	12.0	*	*	Federal	Non-EGR
1995	Mercedes-Benz	SMB6.0D6DAAA	6.0	*	DOC	California	Non-EGR
1995	Mercedes-Benz	SMB6.0D6DARA	6.0	*	*	California	Non-EGR
1995	Mitsubishi	SMT460D7DAAA	7.5	*	DOC	California	Non-EGR
1995	Mitsubishi Motor	SMT238B7DAAA	3.9	*	DOC	Federal	Non-EGR
1995	Nissan	SND254C6DAAA	4.2	*	DOC	California	Non-EGR
1995	Nissan	SND423D6DAAA	6.9	*	DOC	California	Non-EGR
1995	Perkins	SPK243C6DAAA	4.0	*	DOC	California	Non-EGR
1995	Perkins	SPK365D6DAAA	6.0	*	DOC	California	Non-EGR
1995	Renault	SR3377D8DAAW	6.2	*	DOC	California	Non-EGR
1995	Renault	SR3377D8DABW	6.2	*	DOC	California	Non-EGR
1995	Renault	SR3377D8DARW	6.2	*	*	Federal	Non-EGR
1995	Renault	SR3377D8DASW	6.2	*	*	Federal	Non-EGR
1995	Volvo	SVT12.EJDBRA	12.1	*	*	California	Non-EGR
1995	Volvo	SVT6.7D6DBRA	6.7	*	*	California	Non-EGR
1996	Caterpillar	TCP403DZDAAA	6.6	*	DOC	California	Non-EGR
1996	Caterpillar	TCP403DZDABA	6.6	*	DOC	California	Non-EGR
1996	Caterpillar	TCP403DZDARK	6.6	*	*	California	Non-EGR
1996	Caterpillar	TCP442DZDAAK	7.2	*	DOC	California	Non-EGR
1996	Caterpillar	TCP442DZDARK	7.2	*	*	California	Non-EGR
1996	Caterpillar	TCP629EZDARK	10.3	*	*	California	Non-EGR
1996	Caterpillar	TCP629EZDARM	10.3	*	*	California	Non-EGR
1996	Caterpillar	TCP638EZDARA	10.5	*	*	California	Non-EGR
1996	Caterpillar	TCP729EZDARL	11.9	*	*	California	Non-EGR
1996	Cummins	TCE239D6DAAA	3.9	*	DOC	California	Non-EGR
1996	Cummins	TCE359D6DAAA	5.9	*	DOC	California	Non-EGR
1996	Cummins	TCE359D6DAAW	5.9	*	DOC	Federal	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1996	Cummins	TCE359D6DABW	5.9	*	DOC	California	Non-EGR
1996	Cummins	TCE359DJDARW	5.9	*	*	Federal	Non-EGR
1996	Cummins	TCE505D6DAAA	8.3	*	DOC	California	Non-EGR
1996	Cummins	TCE505D6DAAW	8.3	*	DOC	California	Non-EGR
1996	Cummins	TCE505D6DABW	8.3	*	DOC	California	Non-EGR
1996	Cummins	TCE505D6DARW	8.3	*	*	Federal	Non-EGR
1996	Cummins	TCE505F6DAAW	8.3	*	DOC	Federal	Non-EGR
1996	Cummins	TCE505F6DABW	8.3	*	DOC	Federal	Non-EGR
1996	Cummins	TCE661EJDARA	10.8	*	*	California	Non-EGR
1996	Cummins	TCE661EJDARB	10.8	*	*	California	Non-EGR
1996	Cummins	TCE661EJDARC	10.8	*	*	California	Non-EGR
1996	Cummins	TCE661EJDARW	10.8	*	*	California	Non-EGR
1996	Cummins	TCE661EJDASW	10.8	*	*	California	Non-EGR
1996	Cummins	TCE661EJDATW	10.8	*	*	California	Non-EGR
1996	Cummins	TCE661FJDAAA	10.8	*	DOC	Federal	Non-EGR
1996	Cummins	TCE661FJDABA	10.8	*	DOC	California	Non-EGR
1996	Detroit Diesel Corporation	TDD11.EJDARA	11.1	*	*	California	Non-EGR
1996	Detroit Diesel Corporation	TDD12.EJDARA	12.7	*	*	California	Non-EGR
1996	Detroit Diesel Corporation	TDD12.EJDATW	12.0	*	*	California	Non-EGR
1996	Detroit Diesel Corporation	TDD3.8C8DASW	3.8	*	*	Federal	Non-EGR
1996	Detroit Diesel Corporation	TDD8.5EJDARA	8.5	*	*	California	Non-EGR
1996	Detroit Diesel Corporation	TDD8.5EJDARW	8.5	*	*	California	Non-EGR
1996	Detroit Diesel Corporation	TDD8.5FJDABA	8.5	*	DOC	California	Non-EGR
1996	General Motors	TGM6.5C6DAAA	6.5	*	DOC	California	Non-EGR
1996	General Motors	TGM6.5C6DAAW	6.5	*	DOC	Federal	Non-EGR
1996	General Motors	TGM6.5C6DABA	6.5	*	DOC	California	Non-EGR
1996	General Motors	TGM6.5C6DABW	6.5	*	DOC	California	Non-EGR
1996	Hino	THM3.8C7DARW	3.8	*	*	California	Non-EGR
1996	Hino	THM6.5D7DARW	6.5	*	*	California	Non-EGR
1996	International	TNV444C8D0RA	7.3	*	*	California	Non-EGR
1996	International	TNV444C8D0SA	7.3	*	*	California	Non-EGR
1996	International	TNV444C8DARW	7.3	*	*	Federal	Non-EGR
1996	International	TNV444C8DASW	7.3	*	*	Federal	Non-EGR
1996	International	TNV466D6DARB	7.6	*	*	California	Non-EGR
1996	International	TNV466D6DATB	7.6	*	*	California	Non-EGR
1996	International	TNV466D8DARB	7.6	*	*	California	Non-EGR
1996	International	TNV466D8DATB	7.6	*	*	California	Non-EGR
1996	International	TNV530D6DARA	8.7	*	*	California	Non-EGR
1996	International	TNV530D8DARA	8.7	*	*	California	Non-EGR
1996	International	TNV530E6DASA	8.7	*	*	California	Non-EGR
1996	International	TNV530E8DASA	8.7	*	*	California	Non-EGR
1996	International	TNV530F6DATA	8.7	*	DOC	Federal	Non-EGR
1996	International	TNV7.3C8DAAA	7.3	*	DOC	California	Non-EGR
1996	Isuzu	TSZ3.9C6DARW	3.9	*	*	California	Non-EGR
1996	Isuzu	TSZ7.1D6DAAA	7.1	*	DOC	California	Non-EGR
1996	Mack	TMK728EGDARA	11.9	*	*	California	Non-EGR
1996	Mack	TMK728EJDARA	11.9	*	*	California	Non-EGR
1996	Mack Trucks	TMK12.EJDATW	11.9	*	*	Federal	Non-EGR
1996	Mack Trucks	TMK728EGDASW	11.9	*	*	Federal	Non-EGR
1996	Mack Trucks	TMK728EJDARW	11.9	*	*	Federal	Non-EGR
1996	Mack Trucks	TMK728EJDASW	11.9	*	*	Federal	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1996	Mack Trucks	TMK728EJDATW	11.9	*	*	Federal	Non-EGR
1996	Mercedes Benz	TMB6.0D6DAAA	6.0	*	*	Federal	Non-EGR
1996	Mercedes Benz	TMB6.0D6DARA	6.0	*	*	Federal	Non-EGR
1996	Mitsubishi	TMT238C7DBAA	3.9	*	DOC	California	Non-EGR
1996	Mitsubishi	TMT358D7DBAA	5.9	*	DOC	California	Non-EGR
1996	Mitsubishi	TMT460D7DBAA	7.5	*	DOC	California	Non-EGR
1996	Nissan	TND254C6DAAA	4.2	*	DOC	California	Non-EGR
1996	Nissan	TND423D6DAAA	6.9	*	DOC	California	Non-EGR
1996	Perkins	TPK243C6DAAA	4.0	*	DOC	California	Non-EGR
1996	Perkins	TPK365D6DAAA	6.0	*	DOC	California	Non-EGR
1996	Renault	TR3377D8DAAW	6.2	*	DOC	California	Non-EGR
1996	Renault	TR3377D8DABW	6.2	*	DOC	California	Non-EGR
1996	Renault	TR3377D8DARW	6.2	*	*	Federal	Non-EGR
1996	Renault	TR3377D8DASW	6.2	*	*	Federal	Non-EGR
1996	Scania	TY912.EGDARA	11.7	*	*	Federal	Non-EGR
1996	Volvo	TVT12.EJDBRA	12.1	*	*	California	Non-EGR
1996	Volvo	TVT6.7D6DBRA	6.7	*	*	California	Non-EGR
1997	Caterpillar	VCP403DZDAAA	6.6	*	DOC	California	Non-EGR
1997	Caterpillar	VCP403DZDABA	6.6	*	DOC	California	Non-EGR
1997	Caterpillar	VCP403DZDARK	6.6	*	*	California	Non-EGR
1997	Caterpillar	VCP442DZDAAK	7.2	*	DOC	California	Non-EGR
1997	Caterpillar	VCP442DZDARK	7.2	*	*	California	Non-EGR
1997	Caterpillar	VCP629EZDARK	10.3	*	*	California	Non-EGR
1997	Caterpillar	VCP629EZDARX	10.3	*	*	California	Non-EGR
1997	Caterpillar	VCP638EZDARA	10.5	*	*	California	Non-EGR
1997	Caterpillar	VCP729EZDARX	11.9	*	*	California	Non-EGR
1997	Cummins	VCE239D6DAA	3.9	*	DOC	Federal	Non-EGR
1997	Cummins	VCE239D6DAAA	3.9	*	DOC	California	Non-EGR
1997	Cummins	VCE359D6DAAA	5.9	*	DOC	California	Non-EGR
1997	Cummins	VCE359D6DAAW	5.9	*	DOC	Federal	Non-EGR
1997	Cummins	VCE359D6DABW	5.9	*	DOC	California	Non-EGR
1997	Cummins	VCE359DJDARA	5.9	*	*	California	Non-EGR
1997	Cummins	VCE505D6DAAA	8.3	*	DOC	California	Non-EGR
1997	Cummins	VCE505D6DAAW	8.3	*	DOC	California	Non-EGR
1997	Cummins	VCE505D6DABW	8.3	*	DOC	California	Non-EGR
1997	Cummins	VCE505F6DAAW	8.3	*	DOC	Federal	Non-EGR
1997	Cummins	VCE505F6DABW	8.3	*	DOC	Federal	Non-EGR
1997	Cummins	VCE661EJDARB	10.8	*	*	California	Non-EGR
1997	Cummins	VCE661EJDARC	10.8	*	*	California	Non-EGR
1997	Cummins	VCE661EJDASA	10.8	*	*	California	Non-EGR
1997	Cummins	VCE661EJDATW	10.8	*	*	California	Non-EGR
1997	Cummins	VCE661FJDAAA	10.8	*	DOC	Federal	Non-EGR
1997	Cummins	VCE661FJDABA	10.8	*	DOC	California	Non-EGR
1997	Detroit Diesel Corporation	VDD11.EJDARA	11.1	*	*	California	Non-EGR
1997	Detroit Diesel Corporation	VDD12.EJDARA	12.7	*	*	California	Non-EGR
1997	Detroit Diesel Corporation	VDD12.EJDATA	12.0	*	*	California	Non-EGR
1997	Detroit Diesel Corporation	VDD3.8C8DABA	3.8	*	DOC	California	Non-EGR
1997	Detroit Diesel Corporation	VDD8.5EJDARA	8.5	*	*	California	Non-EGR
1997	Detroit Diesel Corporation	VDD8.5FJDABA	8.5	*	DOC	California	Non-EGR
1997	General Motors	VGM6.5C6DAAA	6.5	*	DOC	California	Non-EGR
1997	General Motors	VGM6.5C6DAAC	6.5	*	DOC	Federal	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1997	General Motors	VGM6.5C6DAAW	6.5	*	DOC	Federal	Non-EGR
1997	General Motors	VGM6.5C6DABA	6.5	*	DOC	California	Non-EGR
1997	General Motors	VGM6.5C6DABW	6.5	*	DOC	California	Non-EGR
1997	General Motors	VGM6.5C6DARW	6.5	*	*	California	Non-EGR
1997	Hino	VHM8.0DHDARA	8.0	5.3	*	California	Non-EGR
1997	International	VNV444C8DARW	7.3	*	*	California	Non-EGR
1997	International	VNV444C8DASW	7.3	*	*	California	Non-EGR
1997	International	VNV466D6DARA	7.6	*	*	California	Non-EGR
1997	International	VNV466D8DARW	7.6	*	*	California	Non-EGR
1997	International	VNV466D8DASA	7.6	*	*	California	Non-EGR
1997	International	VNV466F8DAAA	7.6	*	DOC	Federal	Non-EGR
1997	International	VNV530D6DARA	8.7	*	*	California	Non-EGR
1997	International	VNV530D8DARA	8.7	*	*	California	Non-EGR
1997	International	VNV530E6DASA	8.7	*	*	California	Non-EGR
1997	International	VNV530E8DASA	8.7	*	*	California	Non-EGR
1997	International	VNV530F8DAAA	8.7	*	DOC	Federal	Non-EGR
1997	International	VNV7.3C8DAAA	7.3	*	DOC	California	Non-EGR
1997	International	VNV7.3C8DAAW	7.3	*	DOC	California	Non-EGR
1997	Isuzu	VSZ3.9C6DARA	3.9	*	*	California	Non-EGR
1997	Isuzu	VSZ7.1D6DAAA	7.1	*	DOC	California	Non-EGR
1997	Isuzu	VSZ7.1D6DAAW	7.1	*	DOC	California	Non-EGR
1997	Mack	VMK728EGDARA	11.9	*	*	California	Non-EGR
1997	Mack	VMK728EJDARA	11.9	*	*	California	Non-EGR
1997	Mack	VMK728EJDAYW	11.9	*	*	California	Non-EGR
1997	Mack Trucks	TMK728EGDATW	11.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK12.EJDASW	11.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK12.EJDATW	11.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK728EGDASW	11.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK728EGDATW	11.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK728EJDARW	11.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK728EJDASW	11.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK728EJDATW	11.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK728EJDAZW	11.9	*	*	Federal	Non-EGR
1997	Mercedes Benz	VMB12.EJDARA	12.0	*	*	Federal	Non-EGR
1997	Mercedes Benz	VMB6.0D6DAAA	6.0	*	DOC	Federal	Non-EGR
1997	Mercedes Benz	VMB6.0D6DARA	6.0	*	*	Federal	Non-EGR
1997	Mitsubishi	VMT238C7DBAA	3.9	*	DOC	California	Non-EGR
1997	Mitsubishi	VMT358D7DBAA	5.9	*	DOC	California	Non-EGR
1997	Mitsubishi	VMT460D7DBAA	7.5	*	DOC	California	Non-EGR
1997	Nissan	VND254C6DAAA	4.2	*	DOC	California	Non-EGR
1997	Nissan	VND423D6DAAA	6.9	*	DOC	California	Non-EGR
1997	Perkins	VPK365D6DAAA	6.0	*	DOC	Federal	Non-EGR
1997	Renault	VR3377D8DAAW	6.2	*	DOC	California	Non-EGR
1997	Renault	VR3377D8DABW	6.2	*	DOC	California	Non-EGR
1997	Renault	VR3377D8DARW	6.2	*	*	Federal	Non-EGR
1997	Renault	VR3377D8DASW	6.2	*	*	Federal	Non-EGR
1997	Volvo	VVT12.EJDBRA	12.1	*	*	California	Non-EGR
1997	Volvo	VVT6.7D6DBRA	6.7	*	*	California	Non-EGR
1998	Caterpillar	WCPXH0442HRK	7.2	*	*	California	Non-EGR
1998	Caterpillar	WCPXH0442HSK	7.2	*	*	California	Non-EGR
1998	Caterpillar	WCPXH0629ERK	10.3	*	*	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1998	Caterpillar	WCPXH0638MRW	10.5	*	*	Federal	Non-EGR
1998	Caterpillar	WCPXH0729ERK	11.9	*	*	California	Non-EGR
1998	Cummins	WCEXH0239BAA	3.9	*	DOC	Federal	Non-EGR
1998	Cummins	WCEXH0359BAB	5.9	*	DOC	Federal	Non-EGR
1998	Cummins	WCEXH0359BAD	5.9	*	*	California	Non-EGR
1998	Cummins	WCEXH0359BAE	5.9	*	*	California	Non-EGR
1998	Cummins	WCEXH0505CAA	8.3	*	DOC	Federal	Non-EGR
1998	Cummins	WCEXH0505CAC	8.3	*	*	California	Non-EGR
1998	Cummins	WCEXH0505CAD	8.3	*	*	California	Non-EGR
1998	Cummins	WCEXH0505CAE	8.3	*	*	California	Non-EGR
1998	Cummins	WCEXH0505CAF	8.3	*	*	California	Non-EGR
1998	Cummins	WCEXH0661MAA	10.8	*	*	California	Non-EGR
1998	Cummins	WCEXH0661MAB	10.8	*	*	California	Non-EGR
1998	Cummins	WCEXH0661MAC	10.8	*	DOC	California	Non-EGR
1998	Cummins	WCEXH0661MAD	10.8	*	*	California	Non-EGR
1998	Cummins	WCEXH0661MAE	10.8	*	*	California	Non-EGR
1998	Cummins	WCEXH0661MAF	10.8	*	*	Federal	Non-EGR
1998	Detroit Diesel Corporation	WDDXH03.8C1C	3.8	*	DOC	California	Non-EGR
1998	Detroit Diesel Corporation	WDDXH08.5EJD	8.5	*	*	California	Non-EGR
1998	Detroit Diesel Corporation	WDDXH08.5FJC	8.5	*	DOC	California	Non-EGR
1998	Detroit Diesel Corporation	WDDXH11.1EHD	11.1	*	*	California	Non-EGR
1998	Detroit Diesel Corporation	WDDXH12.7EGD	12.7	*	*	California	Non-EGR
1998	General Motors	WGMXH06.5521	6.5	*	DOC	California	Non-EGR
1998	General Motors	WGMXH06.5522	6.5	*	DOC	California	Non-EGR
1998	General Motors	WGMXH06.5523	6.5	*	*	California	Non-EGR
1998	General Motors	WGMXH06.5525	6.5	*	DOC	Federal	Non-EGR
1998	General Motors	WGMXH06.5526	6.5	*	DOC	California	Non-EGR
1998	Hino	WHMXH08.0JTR	5.3	8.0	DOC	California	Non-EGR
1998	International	WNVXH0444CCB	7.3	*	DOC	California	Non-EGR
1998	International	WNVXH0444CCD	7.3	*	DOC	California	Non-EGR
1998	International	WNVXH0444FNA	7.3	*	*	Federal	Non-EGR
1998	International	WNVXH0444FNC	7.3	*	*	Federal	Non-EGR
1998	International	WNVXH0466CCB	7.6	*	DOC	California	Non-EGR
1998	International	WNVXH0466CCD	7.6	*	DOC	California	Non-EGR
1998	International	WNVXH0466ENE	7.6	*	*	Federal	Non-EGR
1998	International	WNVXH0466FNA	7.6	*	*	Federal	Non-EGR
1998	International	WNVXH0466FNC	7.6	*	*	Federal	Non-EGR
1998	International	WNVXH0530CCB	8.7	*	DOC	California	Non-EGR
1998	International	WNVXH0530CCD	8.7	*	DOC	California	Non-EGR
1998	International	WNVXH0530FNA	8.7	*	*	Federal	Non-EGR
1998	International	WNVXH0530FNC	8.7	*	*	Federal	Non-EGR
1998	Isuzu	WSZXH07.84RA	7.8	*	*	California	Non-EGR
1998	Mack	WMKXH11.9E51	11.9	*	*	California	Non-EGR
1998	Mack	WMKXH11.9E52	11.9	*	*	California	Non-EGR
1998	Mack	WMKXH11.9E53	11.9	*	*	California	Non-EGR
1998	Mack Trucks	WMKXH0602M48	9.9	*	*	Federal	Non-EGR
1998	Mack Trucks	WMKXH0728M44	11.9	*	*	Federal	Non-EGR
1998	Mack Trucks	WMKXH0728V40	11.9	*	*	Federal	Non-EGR
1998	Mack Trucks	WMKXH0728V41	11.9	*	*	Federal	Non-EGR
1998	Mercedes-Benz	WMBXH4.25DJA	4.2	*	*	California	Non-EGR
1998	Nissan	WNDXH04.2TAB	4.2	*	DOC	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1998	Nissan	WNDXH06.9FAB	6.9	*	DOC	California	Non-EGR
1998	Renault	WR3XH0377BNF	6.2	*	*	Federal	Non-EGR
1998	Scania	WY9XH11.7203	11.7	*	*	Federal	Non-EGR
1998	Volvo	WVTXH07.350S	7.3	*	*	California	Non-EGR
1998	Volvo	WVTXH12.150S	12.1	*	*	California	Non-EGR
1999	Caterpillar	XCPXH0442HRK	7.2	*	*	California	Non-EGR
1999	Caterpillar	XCPXH0442HSK	7.2	*	*	California	Non-EGR
1999	Caterpillar	XCPXH0629ERK	10.3	*	*	California	Non-EGR
1999	Caterpillar	XCPXH0638MRW	10.5	*	*	Federal	Non-EGR
1999	Caterpillar	XCPXH0729ERK	11.9	*	*	California	Non-EGR
1999	Cummins	XCEXH0239BAA	3.9	*	DOC	Federal	Non-EGR
1999	Cummins	XCEXH0359BAI	5.9	*	DOC	California	Non-EGR
1999	Cummins	XCEXH0359BAJ	5.9	*	*	California	Non-EGR
1999	Cummins	XCEXH0359BAK	5.9	*	*	California	Non-EGR
1999	Cummins	XCEXH0359BAM	5.9	*	*	Federal	Non-EGR
1999	Cummins	XCEXH0359BAQ	5.9	*	*	Federal	Non-EGR
1999	Cummins	XCEXH0359BAR	5.9	*	*	Federal	Non-EGR
1999	Cummins	XCEXH0505CAC	8.3	*	*	California	Non-EGR
1999	Cummins	XCEXH0505CAD	8.3	*	*	California	Non-EGR
1999	Cummins	XCEXH0505CAE	8.3	*	*	California	Non-EGR
1999	Cummins	XCEXH0505CAF	8.3	*	DOC	California	Non-EGR
1999	Cummins	XCEXH0661MAC	10.8	*	DOC	California	Non-EGR
1999	Cummins	XCEXH0661MAG	10.8	*	DOC	California	Non-EGR
1999	Cummins	XCEXH0661MAH	10.8	*	*	California	Non-EGR
1999	Cummins	XCEXH0661MAI	10.8	*	*	California	Non-EGR
1999	Cummins	YCEXH0239BAA	3.9	*	DOC	Federal	Non-EGR
1999	Cummins	YCEXH0359BAA	5.9	*	*	Federal	Non-EGR
1999	Cummins	YCEXH0359BAO	5.9	*	*	Federal	Non-EGR
1999	Detroit Diesel Corporation	XDDXH03.8C1N	3.8	*	DOC	California	Non-EGR
1999	Detroit Diesel Corporation	XDDXH08.5EJL	8.5	*	*	California	Non-EGR
1999	Detroit Diesel Corporation	XDDXH08.5FJN	8.5	*	DOC	California	Non-EGR
1999	Detroit Diesel Corporation	XDDXH11.1EHL	11.1	*	*	California	Non-EGR
1999	Detroit Diesel Corporation	XDDXH12.7EGL	12.7	*	*	California	Non-EGR
1999	General Motors	XGMXH06.5521	6.5	*	DOC	California	Non-EGR
1999	General Motors	XGMXH06.5522	6.5	*	DOC	Federal	Non-EGR
1999	General Motors	XGMXH06.5523	6.5	*	*	California	Non-EGR
1999	General Motors	XGMXH06.5526	6.5	*	DOC	California	Non-EGR
1999	Hino	XHMXH08.0JTR	5.3	8.0	DOC	California	Non-EGR
1999	International	XNVXH0444ACC	7.3	*	DOC	Federal	Non-EGR
1999	International	XNVXH0444ANA	7.3	*	*	California	Non-EGR
1999	International	XNVXH0444ANB	7.3	*	*	California	Non-EGR
1999	International	XNVXH0466ANA	7.6	*	*	California	Non-EGR
1999	International	XNVXH0466ANB	7.6	*	*	California	Non-EGR
1999	International	XNVXH0530ACT	8.7	*	DOC	California	Non-EGR
1999	International	XNVXH0530ANA	8.7	*	*	California	Non-EGR
1999	International	XNVXH0530ANB	8.7	*	*	California	Non-EGR
1999	International	XNVXH07.3ACA	7.3	*	DOC	California	Non-EGR
1999	International	XNVXH07.3ANE	7.3	*	*	California	Non-EGR
1999	International	XNVXH07.3FCC	7.3	*	DOC	Federal	Non-EGR
1999	International	XNVXH07.3FNH	7.3	*	*	Federal	Non-EGR
1999	Isuzu	XSZXH04.83AA	4.8	*	DOC	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1999	Isuzu	XSZXH07.84RA	7.8	*	*	California	Non-EGR
1999	Mack	XMKXH11.9E54	11.9	*	*	California	Non-EGR
1999	Mercedes-Benz	XMBXH4.25DJA	4.2	*	*	California	Non-EGR
1999	Mercedes-Benz	XMBXH6.37DJA	6.4	*	*	California	Non-EGR
1999	Mitsubishi	XMTXH03.9D4A	3.9	*	DOC	California	Non-EGR
1999	Mitsubishi	XMTXH05.8D6A	5.9	*	DOC	California	Non-EGR
1999	Mitsubishi	XMTXH07.5D6A	7.5	*	DOC	California	Non-EGR
1999	Nissan	XNDXH04.6FAB	4.6	*	DOC	California	Non-EGR
1999	Nissan	XNDXH06.9FAB	6.9	*	DOC	California	Non-EGR
1999	Renault	XR3XH0377BNF	6.2	*	*	Federal	Non-EGR
1999	Renault	XR3XH0377BWF	6.2	*	DOC	Federal	Non-EGR
1999	Renault	XR3XH0377KWC	6.2	*	DOC	California	Non-EGR
1999	Renault	XR3XH0377LWC	6.2	*	DOC	California	Non-EGR
1999	Volvo	XVTXH07.350S	7.3	*	*	California	Non-EGR
1999	Volvo	XVTXH07.399B	7.3	*	*	California	Non-EGR
1999	Volvo	XVTXH12.150S	12.1	*	*	California	Non-EGR
2000	Caterpillar	YCPXH0442HRK	7.2	*	*	California	Non-EGR
2000	Caterpillar	YCPXH0629ERK	10.3	*	*	California	Non-EGR
2000	Caterpillar	YCPXH0729ERK	11.9	*	*	California	Non-EGR
2000	Cummins	YCEXH0359BAI	5.9	*	DOC	California	Non-EGR
2000	Cummins	YCEXH0359BA0	5.9	*	*	California	Non-EGR
2000	Cummins	YCEXH0359BAP	5.9	*	*	California	Non-EGR
2000	Cummins	YCEXH0359BAX	5.9	*	*	Federal	Non-EGR
2000	Cummins	YCEXH0359BAY	5.9	*	*	Federal	Non-EGR
2000	Cummins	YCEXH0505CAF	8.3	*	DOC	California	Non-EGR
2000	Cummins	YCEXH0505CAG	8.3	*	*	California	Non-EGR
2000	Cummins	YCEXH0505CAH	8.3	*	*	California	Non-EGR
2000	Cummins	YCEXH0505CAI	8.3	*	*	California	Non-EGR
2000	Cummins	YCEXH0540LAA	8.8	*	*	California	Non-EGR
2000	Cummins	YCEXH0661MAG	10.8	*	DOC	California	Non-EGR
2000	Cummins	YCEXH0661MAH	10.8	*	*	California	Non-EGR
2000	Cummins	YCEXH0661MAI	10.8	*	*	California	Non-EGR
2000	DaimlerChrysler	YMBXH12.0DJA	12.0	*	*	Federal	Non-EGR
2000	DaimlerChrysler	YMBXH4.25DJA	4.3	*	*	California	Non-EGR
2000	DaimlerChrysler	YMBXH6.37DJA	6.4	*	*	California	Non-EGR
2000	Detroit Diesel Corporation	YDDXH03.8C1N	3.8	*	DOC	California	Non-EGR
2000	Detroit Diesel Corporation	YDDXH08.5EJB	8.5	*	*	California	Non-EGR
2000	Detroit Diesel Corporation	YDDXH08.5EJL	8.5	*	*	California	Non-EGR
2000	Detroit Diesel Corporation	YDDXH08.5FJN	8.5	*	DOC	California	Non-EGR
2000	Detroit Diesel Corporation	YDDXH12.7EGL	12.7	*	*	California	Non-EGR
2000	General Engine Products	YGEPH06.5524	6.5	*	DOC	Federal	Non-EGR
2000	General Motors	YGMXH06.5521	6.5	*	DOC	California	Non-EGR
2000	General Motors	YGMXH06.5522	6.5	*	DOC	Federal	Non-EGR
2000	General Motors	YGMXH06.5526	6.5	*	DOC	California	Non-EGR
2000	General Motors	YGMXH06.5528	6.5	*	DOC	Federal	Non-EGR
2000	General Motors	YGMXH06.5529	6.5	*	DOC	Federal	Non-EGR
2000	Hino	YHMXH05.3JTD	5.3	*	DOC	California	Non-EGR
2000	Hino	YHMXH08.0JTP	8.0	*	DOC	California	Non-EGR
2000	Hino	YHMXH08.0JTR	8.0	*	DOC	California	Non-EGR
2000	International	YNVXH0444ACD	7.3	*	DOC	Federal	Non-EGR
2000	International	YNVXH0444ACT	7.3	*	DOC	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
2000	International	YNVXH0444ANA	7.3	*	*	California	Non-EGR
2000	International	YNVXH0444ANB	7.3	*	*	California	Non-EGR
2000	International	YNVXH0444ANC	7.3	*	*	California	Non-EGR
2000	International	YNVXH0466ANA	7.6	*	*	California	Non-EGR
2000	International	YNVXH0466ANB	7.6	*	*	California	Non-EGR
2000	International	YNVXH0530ACT	8.7	*	DOC	California	Non-EGR
2000	International	YNVXH0530ANA	8.7	*	*	California	Non-EGR
2000	International	YNVXH0530ANB	8.7	*	*	California	Non-EGR
2000	International	YNVXH07.3ANA	7.3	*	*	California	Non-EGR
2000	International	YNVXH07.3FNB	7.3	*	*	Federal	Non-EGR
2000	Isuzu	YSZXH04.83AA	4.8	*	DOC	California	Non-EGR
2000	Isuzu	YSZXH07.84RA	7.8	*	*	California	Non-EGR
2000	Mack	YMKXH11.9E56	11.9	*	*	California	Non-EGR
2000	Mack	YMKXH11.9V57	11.9	*	*	California	Non-EGR
2000	Mitsubishi	YMTXH03.9D4A	3.9	*	DOC	California	Non-EGR
2000	Mitsubishi	YMTXH05.8D6A	5.9	*	DOC	California	Non-EGR
2000	Mitsubishi	YMTXH07.5D6A	7.5	*	DOC	California	Non-EGR
2000	Nissan	YNDXH04.6FAB	4.6	*	DOC	California	Non-EGR
2000	Nissan	YNDXH06.9FAB	6.9	*	DOC	California	Non-EGR
2000	Renault	YR3XH0377BWF	6.2	*	DOC	Federal	Non-EGR
2000	Renault	YR3XH0377KWC	6.2	*	DOC	California	Non-EGR
2000	Scania	YY9XH10.6106	10.6	*	*	Federal	Non-EGR
2000	Scania	YY9XH11.7202	11.7	*	*	Federal	Non-EGR
2000	Volvo	YVTXH07.350S	7.3	*	*	California	Non-EGR
2000	Volvo	YVTXH12.150S	12.1	*	*	California	Non-EGR
2001	Caterpillar	1CPXH0442HAK	7.2	*	DOC	California	Non-EGR
2001	Caterpillar	1CPXH0442HBK	7.2	*	DOC	California	Non-EGR
2001	Caterpillar	1CPXH0442HRK	7.2	*	*	California	Non-EGR
2001	Caterpillar	1CPXH0629ERK	10.3	*	*	California	Non-EGR
2001	Caterpillar	1CPXH0729ERK	11.9	*	*	California	Non-EGR
2001	Cummins	1CEXH0239BAD	3.9	*	*	California	Non-EGR
2001	Cummins	1CEXH0239BAE	3.9	*	*	California	Non-EGR
2001	Cummins	1CEXH0359BAA	5.9	*	*	Federal	Non-EGR
2001	Cummins	1CEXH0359BA0	5.9	*	DOC	California	Non-EGR
2001	Cummins	1CEXH0359BAU	5.9	*	*	California	Non-EGR
2001	Cummins	1CEXH0359BAV	5.9	*	*	California	Non-EGR
2001	Cummins	1CEXH0359BAX	5.9	*	*	Federal	Non-EGR
2001	Cummins	1CEXH0359BAY	5.9	*	*	Federal	Non-EGR
2001	Cummins	1CEXH0505CAM	8.3	*	DOC	California	Non-EGR
2001	Cummins	1CEXH0505CAN	8.3	*	*	California	Non-EGR
2001	Cummins	1CEXH0505CA0	8.3	*	*	California	Non-EGR
2001	Cummins	1CEXH0505CAP	8.3	*	*	California	Non-EGR
2001	Cummins	1CEXH0540LAA	8.8	*	*	California	Non-EGR
2001	Cummins	1CEXH0540LAB	8.8	*	DOC	California	Non-EGR
2001	Cummins	1CEXH0540LAC	8.8	*	*	California	Non-EGR
2001	Cummins	1CEXH0661MAP	10.8	*	DOC	California	Non-EGR
2001	Cummins	1CEXH0661MAQ	10.8	*	*	California	Non-EGR
2001	Cummins	1CEXH0661MAR	10.8	*	*	California	Non-EGR
2001	DaimlerChrysler	1MBXH2.69DJA	2.7	*	DOC	Federal	Non-EGR
2001	Detroit Diesel Corporation	1DDXH08.5EJB	8.5	*	*	California	Non-EGR
2001	Detroit Diesel Corporation	1DDXH08.5EJL	8.5	*	*	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2001	Detroit Diesel Corporation	1DDXH08.5FJY	8.5	*	DOC	California	Non-EGR
2001	Detroit Diesel Corporation	1DDXH12.7EGL	12.7	*	*	California	Non-EGR
2001	General Engine Products	1GEPH06.5522	6.5	*	DOC	Federal	Non-EGR
2001	General Engine Products	1GEPH06.5526	6.5	*	DOC	Federal	Non-EGR
2001	General Engine Products	1GEPH06.5CFF	6.5	*	DOC	California	Non-EGR
2001	General Motors	1GMXH06.5521	6.5	*	DOC	California	Non-EGR
2001	General Motors	1GMXH06.5522	6.5	*	DOC	Federal	Non-EGR
2001	General Motors	1GMXH06.5526	6.5	*	DOC	California	Non-EGR
2001	General Motors	1GMXH06.5528	6.5	*	DOC	Federal	Non-EGR
2001	General Motors	1GMXH06.5529	6.5	*	DOC	Federal	Non-EGR
2001	Hino	1HMXH05.3JTD	5.3	*	DOC	California	Non-EGR
2001	Hino	1HMXH08.0JTP	8.0	*	DOC	California	Non-EGR
2001	Hino	1HMXH08.0JTR	8.0	*	DOC	California	Non-EGR
2001	International	1NVXH0444ACD	7.3	*	DOC	Federal	Non-EGR
2001	International	1NVXH0444ANA	7.3	*	*	California	Non-EGR
2001	International	1NVXH0444ANB	7.3	*	*	California	Non-EGR
2001	International	1NVXH0444ANC	7.3	*	*	California	Non-EGR
2001	International	1NVXH0466ANA	7.6	*	*	California	Non-EGR
2001	International	1NVXH0466ANB	7.6	*	*	California	Non-EGR
2001	International	1NVXH0530ACT	8.7	*	DOC	California	Non-EGR
2001	International	1NVXH0530ANA	8.7	*	*	California	Non-EGR
2001	International	1NVXH0530ANB	8.7	*	*	California	Non-EGR
2001	International	1NVXH07.3ACE	7.3	*	DOC	California	Non-EGR
2001	International	1NVXH07.3ANA	7.3	*	*	California	Non-EGR
2001	International	1NVXH07.3FNB	7.3	*	*	Federal	Non-EGR
2001	Isuzu	1SZXH04.83AA	4.8	*	DOC	California	Non-EGR
2001	Isuzu	1SZXH07.84RA	7.8	*	*	California	Non-EGR
2001	Isuzu Motors	1SZXH04.83AA	4.8	*	DOC	Federal	Non-EGR
2001	Isuzu Motors	1SZXH06.63RA	6.6	*	*	Federal	Non-EGR
2001	Isuzu Motors	1SZXH07.84RA	7.8	*	*	Federal	Non-EGR
2001	Mack	1MKXH11.9H56	11.9	*	*	California	Non-EGR
2001	Mack	1MKXH11.9H59	11.9	*	*	California	Non-EGR
2001	Mack	1MKXH11.9V57	11.9	*	*	California	Non-EGR
2001	Mack	1MKXH11.9V60	11.9	*	*	California	Non-EGR
2001	Mack	1MKXH11.9V61	11.9	*	*	California	Non-EGR
2001	Mercedes-Benz	1MBXH12.0DJA	12.0	*	*	California	Non-EGR
2001	Mercedes-Benz	1MBXH12.8DJA	12.8	*	*	California	Non-EGR
2001	Mercedes-Benz	1MBXH4.25DJA	4.2	*	*	California	Non-EGR
2001	Mercedes-Benz	1MBXH6.37DJA	6.4	*	*	California	Non-EGR
2001	Mercedes-Benz	1MBXH6.37DJC	6.4	*	*	California	Non-EGR
2001	Mitsubishi	1MTXH03.9D4A	3.9	*	DOC	California	Non-EGR
2001	Mitsubishi	1MTXH04.8M5A	4.9	*	DOC	California	Non-EGR
2001	Mitsubishi	1MTXH05.8D6A	5.9	*	DOC	California	Non-EGR
2001	Mitsubishi	1MTXH07.5D6A	7.5	*	DOC	California	Non-EGR
2001	Nissan	1NDXH04.6FAB	4.6	*	DOC	California	Non-EGR
2001	Nissan	1NDXH06.9FAB	6.9	*	DOC	California	Non-EGR
2001	Renault	1R3XH0377BWF	6.2	*	DOC	Federal	Non-EGR
2001	Scania	1Y9XH10.6106	10.6	*	*	Federal	Non-EGR
2001	Scania	1Y9XH11.7202	11.7	*	*	Federal	Non-EGR
2001	Volvo	1VTXH07.350S	7.3	*	*	California	Non-EGR
2001	Volvo	1VTXH12.150S	12.1	*	*	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2002	Caterpillar	2CPXH0442HAK	7.2	*	DOC	California	Non-EGR
2002	Caterpillar	2CPXH0442HBV	7.2	*	DOC	California	Non-EGR
2002	Caterpillar	2CPXH0442HBX	7.2	*	DOC	California	Non-EGR
2002	Caterpillar	2CPXH0442HRK	7.2	*	*	California	Non-EGR
2002	Caterpillar	2CPXH0629EBX	10.3	*	DOC	California	Non-EGR
2002	Caterpillar	2CPXH0629ERK	10.3	*	*	California	Non-EGR
2002	Caterpillar	2CPXH0729EBX	11.9	*	DOC	California	Non-EGR
2002	Caterpillar	2CPXH0729ERK	11.9	*	*	California	Non-EGR
2002	Cummins	2CEXH0239BAD	3.9	*	*	California	Non-EGR
2002	Cummins	2CEXH0239BAE	3.9	*	*	California	Non-EGR
2002	Cummins	2CEXH0359BAB	5.9	*	*	California	Non-EGR
2002	Cummins	2CEXH0359BAD	5.9	*	*	Federal	Non-EGR
2002	Cummins	2CEXH0359BAE	5.9	*	*	Federal	Non-EGR
2002	Cummins	2CEXH0359BA0	5.9	*	DOC	California	Non-EGR
2002	Cummins	2CEXH0359BAX	5.9	*	*	Federal	Non-EGR
2002	Cummins	2CEXH0505CAM	8.3	*	DOC	California	Non-EGR
2002	Cummins	2CEXH0505CAN	8.3	*	*	California	Non-EGR
2002	Cummins	2CEXH0505CAQ	8.3	*	*	California	Non-EGR
2002	Cummins	2CEXH0540LAB	8.8	*	DOC	California	Non-EGR
2002	Cummins	2CEXH0540LAC	8.8	*	*	California	Non-EGR
2002	Cummins	2CEXH0661MAP	10.8	*	DOC	California	Non-EGR
2002	Cummins	2CEXH0661MAS	10.8	*	*	California	Non-EGR
2002	DaimlerChrysler	2MBXH12.0DJA	12.0	*	*	California	Non-EGR
2002	DaimlerChrysler	2MBXH12.8DJA	12.8	*	*	California	Non-EGR
2002	DaimlerChrysler	2MBXH15.9DJB	11.9	*	*	California	Non-EGR
2002	DaimlerChrysler	2MBXH2.69DJA	2.7	*	DOC	Federal	Non-EGR
2002	DaimlerChrysler	2MBXH2.69DJB	2.7	*	DOC	Federal	Non-EGR
2002	DaimlerChrysler	2MBXH4.25DJA	4.3	*	*	California	Non-EGR
2002	DaimlerChrysler	2MBXH6.37DJA	6.4	*	*	California	Non-EGR
2002	DaimlerChrysler	2MBXH6.37DJC	6.4	*	*	California	Non-EGR
2002	Detroit Diesel Corporation	2DDXH08.5EJL	8.5	*	*	California	Non-EGR
2002	Detroit Diesel Corporation	2DDXH08.5FJY	8.5	*	DOC	California	Non-EGR
2002	Detroit Diesel Corporation	2DDXH12.7EGL	12.7	*	*	California	Non-EGR
2002	Detroit Diesel Corporation	2DDXH12.7FGN	12.7	*	DOC	California	Non-EGR
2002	General Engine Products	2GEPH06.5521	6.5	*	DOC	California	Non-EGR
2002	General Engine Products	2GEPH06.5526	6.5	*	DOC	Federal	Non-EGR
2002	General Engine Products	2GEPH06.5527	6.5	*	DOC	California	Non-EGR
2002	General Engine Products	2GEPH06.5CFF	6.5	*	DOC	California	Non-EGR
2002	General Motors	2GMXH06.5521	6.5	*	DOC	California	Non-EGR
2002	General Motors	2GMXH06.5528	6.5	*	DOC	Federal	Non-EGR
2002	General Motors	2GMXH06.5529	6.5	*	DOC	Federal	Non-EGR
2002	Hino	2HMXH05.3JTD	5.3	*	DOC	California	Non-EGR
2002	Hino	2HMXH08.0JTP	8.0	*	DOC	California	Non-EGR
2002	Hino	2HMXH08.0JTR	8.0	*	DOC	California	Non-EGR
2002	International	2NVXH0365AEA	6.0	*	DOC	California	Non-EGR
2002	International	2NVXH0365FEB	6.0	*	DOC	Federal	Non-EGR
2002	International	2NVXH0444ACD	7.3	*	DOC	Federal	Non-EGR
2002	International	2NVXH0444ANA	7.3	*	*	California	Non-EGR
2002	International	2NVXH0444ANB	7.3	*	*	California	Non-EGR
2002	International	2NVXH0444ANC	7.3	*	*	California	Non-EGR
2002	International	2NVXH0466ANA	7.6	*	*	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2002	International	2NVXH0466ANB	7.6	*	*	California	Non-EGR
2002	International	2NVXH0530ANA	8.7	*	*	California	Non-EGR
2002	International	2NVXH0530ANB	8.7	*	*	California	Non-EGR
2002	International	2NVXH0530ANC	8.7	*	*	California	Non-EGR
2002	International	2NVXH07.3ACE	7.3	*	DOC	California	Non-EGR
2002	International	2NVXH07.3ANA	7.3	*	*	California	Non-EGR
2002	International	2NVXH07.3FNB	7.3	*	*	Federal	Non-EGR
2002	Isuzu	2SZXH04.83AA	4.8	*	DOC	California	Non-EGR
2002	Isuzu	2SZXH06.64RA	6.6	*	*	California	Non-EGR
2002	Isuzu	2SZXH07.84RA	7.8	7.2	*	California	Non-EGR
2002	Isuzu Motors	2SZXH06.63RA	6.6	*	*	Federal	Non-EGR
2002	Mack	2MKXH11.9H59	11.9	*	*	California	Non-EGR
2002	Mack	2MKXH11.9H63	11.9	*	*	California	Non-EGR
2002	Mack	2MKXH11.9H64	11.9	*	*	California	Non-EGR
2002	Mack	2MKXH11.9V60	11.9	*	*	California	Non-EGR
2002	Mack	2MKXH11.9V61	11.9	*	*	California	Non-EGR
2002	Mitsubishi	2MTXH03.9D4A	3.9	*	DOC	California	Non-EGR
2002	Mitsubishi	2MTXH04.8M5A	4.9	*	DOC	California	Non-EGR
2002	Mitsubishi	2MTXH05.8D6A	5.9	*	DOC	California	Non-EGR
2002	Mitsubishi	2MTXH07.5D6A	7.5	*	DOC	California	Non-EGR
2002	Nissan	2NDXH04.6FAB	4.6	*	DOC	California	Non-EGR
2002	Nissan	2NDXH06.9FAB	6.9	*	DOC	California	Non-EGR
2002	Renault	2R3XH0377BNA	6.2	*	*	California	Non-EGR
2002	Renault	2R3XH0377CNA	6.2	*	*	California	Non-EGR
2002	Scania	2Y9XH10.6106	10.6	*	*	Federal	Non-EGR
2002	Scania	2Y9XH11.7202	11.7	*	*	Federal	Non-EGR
2002	Volvo	2VTXH07.350S	7.3	*	*	California	Non-EGR
2002	Volvo	2VTXH12.150S	12.1	*	*	California	Non-EGR
2003	Caterpillar	3CPXH0442HBV	7.2	*	DOC	California	Non-EGR
2003	Caterpillar	3CPXH0442HBX	7.2	*	DOC	California	Non-EGR
2003	Caterpillar	3CPXH0629EBV	10.3	*	DOC	California	Non-EGR
2003	Caterpillar	3CPXH0629EBX	10.3	*	DOC	California	Non-EGR
2003	Caterpillar	3CPXH0729EBV	11.9	*	DOC	California	Non-EGR
2003	Caterpillar	3CPXH0729EBX	11.9	*	DOC	California	Non-EGR
2003	Cummins	3CEXH0239BAD	3.9	*	*	California	Non-EGR
2003	Cummins	3CEXH0359BAE	5.9	*	*	Federal	Non-EGR
2003	Cummins	3CEXH0359BAG	5.9	*	*	California	Non-EGR
2003	Cummins	3CEXH0359BAH	5.9	*	*	California	Non-EGR
2003	Cummins	3CEXH0359BAI	5.9	*	*	Federal	Non-EGR
2003	Cummins	3CEXH0359BAJ	5.9	*	DOC	Federal	Non-EGR
2003	Cummins	3CEXH0359BAK	5.9	*	DOC	Federal	Non-EGR
2003	Cummins	3CEXH0505CAM	8.3	*	DOC	Federal	Non-EGR
2003	Cummins	3CEXH0505CAN	8.3	*	*	California	Non-EGR
2003	Cummins	3CEXH0505CAQ	8.3	*	*	California	Non-EGR
2003	Cummins	3CEXH0540LAB	8.8	*	DOC	Federal	Non-EGR
2003	Cummins	3CEXH0540LAC	8.8	*	*	California	Non-EGR
2003	Cummins	3CEXH0661MAT	10.8	*	*	California	Non-EGR
2003	Cummins	3CEXH0661MAU	10.8	*	*	California	Non-EGR
2003	DaimlerChrysler	3MBXH12.0DJA	12.0	*	*	California	Non-EGR
2003	DaimlerChrysler	3MBXH12.8DJA	12.8	*	*	California	Non-EGR
2003	DaimlerChrysler	3MBXH15.9DJB	11.9	*	*	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2003	DaimlerChrysler	3MBXH2.69DJB	2.7	*	DOC	Federal	Non-EGR
2003	DaimlerChrysler	3MBXH4.25DJA	4.3	*	*	California	Non-EGR
2003	DaimlerChrysler	3MBXH4.25DJC	4.3	*	*	California	Non-EGR
2003	DaimlerChrysler	3MBXH6.37DJA	6.4	*	*	California	Non-EGR
2003	DaimlerChrysler	3MBXH6.37DJC	6.4	*	*	California	Non-EGR
2003	Detroit Diesel Corporation	3DDXH08.5FJR	8.5	*	DOC	Federal	Non-EGR
2003	Detroit Diesel Corporation	3DDXH08.5FJY	8.5	*	DOC	Federal	Non-EGR
2003	Detroit Diesel Corporation	3DDXH12.7EGY	12.7	*	*	California	Non-EGR
2003	Detroit Diesel Corporation	3DDXH12.7FGY	12.7	*	*	Federal	Non-EGR
2003	General Engine Products	3GEPH06.5521	6.5	*	DOC	California	Non-EGR
2003	General Engine Products	3GEPH06.5526	6.5	*	DOC	Federal	Non-EGR
2003	General Engine Products	3GEPH06.5527	6.5	*	DOC	California	Non-EGR
2003	General Engine Products	3GEPH06.5CFF	6.5	*	DOC	California	Non-EGR
2003	Hino	3HMXH05.3JTD	5.3	*	DOC	California	Non-EGR
2003	Hino	3HMXH08.0JTP	8.0	*	DOC	California	Non-EGR
2003	Hino	3HMXH08.0JTR	8.0	*	DOC	California	Non-EGR
2003	International	3NVXH0365AEA	6.0	*	DOC	California	Non-EGR
2003	International	3NVXH0365FEB	6.0	*	DOC	Federal	Non-EGR
2003	International	3NVXH0444ACD	7.3	*	DOC	Federal	Non-EGR
2003	International	3NVXH0444ANB	7.3	*	*	California	Non-EGR
2003	International	3NVXH0444ANC	7.3	*	*	California	Non-EGR
2003	International	3NVXH0466ANA	7.6	*	*	California	Non-EGR
2003	International	3NVXH0466ANB	7.6	*	*	California	Non-EGR
2003	International	3NVXH0530ACT	8.7	*	DOC	Federal	Non-EGR
2003	International	3NVXH0530ANA	8.7	*	*	California	Non-EGR
2003	International	3NVXH0530ANB	8.7	*	*	California	Non-EGR
2003	International	3NVXH0530ANC	8.7	*	*	California	Non-EGR
2003	International	3NVXH06.0AEA	6.0	*	DOC	California	Non-EGR
2003	International	3NVXH07.3ACE	7.3	*	DOC	Federal	Non-EGR
2003	International	3NVXH07.3ANA	7.3	*	*	Federal	Non-EGR
2003	International	3NVXH07.3FNB	7.3	*	*	Federal	Non-EGR
2003	Isuzu	3SZXH04.83AA	4.8	*	DOC	California	Non-EGR
2003	Isuzu	3SZXH06.63AK	6.6	*	DOC	California	Non-EGR
2003	Isuzu	3SZXH06.64RA	6.6	*	*	California	Non-EGR
2003	Isuzu	3SZXH07.84AA	7.8	*	DOC	California	Non-EGR
2003	Isuzu	3SZXH07.84RA	7.8	*	*	California	Non-EGR
2003	Isuzu Motors	3SZXH06.63RA	6.6	*	*	Federal	Non-EGR
2003	Mack	3MKXH11.9H64	11.9	*	*	California	Non-EGR
2003	Mack	3MKXH11.9H70	11.9	*	*	California	Non-EGR
2003	Mitsubishi	3MTXH03.9D4A	3.9	*	DOC	California	Non-EGR
2003	Mitsubishi	3MTXH04.8M5A	4.9	*	DOC	California	Non-EGR
2003	Mitsubishi	3MTXH05.8D6A	5.9	*	DOC	California	Non-EGR
2003	Mitsubishi	3MTXH07.5D6A	7.5	*	DOC	California	Non-EGR
2003	Nissan	3NDXH04.6FAB	4.6	*	DOC	California	Non-EGR
2003	Nissan	3NDXH06.9FAB	6.9	*	DOC	California	Non-EGR
2003	Scania	3Y9XH10.6106	10.6	*	*	Federal	Non-EGR
2003	Scania	3Y9XH11.7202	11.7	*	*	Federal	Non-EGR
2003	Volvo	3VTXH12.150S	12.1	*	*	California	Non-EGR
2004	Caterpillar	4CPXH0442HBK	7.2	*	DOC	California	Non-EGR
2004	Caterpillar	4CPXH0537HBK	8.8	*	DOC	California	Non-EGR
2004	Caterpillar	4CPXH0537HBX	8.8	*	DOC	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2004	Caterpillar	4CPXH0680EBK	11.1	*	DOC	California	Non-EGR
2004	Caterpillar	4CPXH0763EBK	12.5	*	DOC	California	Non-EGR
2004	Cummins	4CEXH0239BAD	3.9	*	*	Federal	Non-EGR
2004	Cummins	4CEXH0359BAA	5.9	*	DOC	Federal	Non-EGR
2004	Cummins	4CEXH0359BAD	5.9	*	DOC	Federal	Non-EGR
2004	Cummins	4CEXH0359BAG	5.9	*	*	California	Non-EGR
2004	Cummins	4CEXH0359BAH	5.9	*	*	California	Non-EGR
2004	Cummins	4CEXH0505CAR	8.3	*	*	California	Non-EGR
2004	Cummins	4CEXH0505CAU	8.3	*	DOC	Federal	Non-EGR
2004	Cummins	4CEXH0540LAE	8.8	*	*	California	Non-EGR
2004	Cummins	4CEXH0661MAT	10.8	*	*	California	Non-EGR
2004	Cummins	4CEXH0661MAU	10.8	*	*	California	Non-EGR
2004	Cummins	4CEXH0661MAV	10.8	*	DOC	Federal	Non-EGR
2004	DaimlerChrysler	4MBXH12.8DJA	12.8	*	*	California	Non-EGR
2004	DaimlerChrysler	4MBXH2.69DJA	2.7	*	DOC	Federal	Non-EGR
2004	DaimlerChrysler	4MBXH2.69DJB	2.7	*	DOC	California	Non-EGR
2004	DaimlerChrysler	4MBXH4.25DJA	4.3	*	*	California	Non-EGR
2004	DaimlerChrysler	4MBXH6.37DJA	6.4	*	*	California	Non-EGR
2004	Detroit Diesel Corporation	4DDXH08.5FJB	8.5	*	DOC	Federal	Non-EGR
2004	Detroit Diesel Corporation	4DDXH08.5FJY	8.5	*	DOC	Federal	Non-EGR
2004	Detroit Diesel Corporation	4DDXH12.7EGY	12.7	*	*	California	Non-EGR
2004	General Engine Products	4GEPH06.5527	6.5	*	DOC	California	Non-EGR
2004	General Engine Products	4GEPH06.5CRD	6.5	*	DOC	Federal	Non-EGR
2004	Hino	4HMXH04.7JTA	4.7	*	DOC	California	Non-EGR
2004	Hino	4HMXH07.7JTA	7.7	*	DOC	California	Non-EGR
2004	Hino	4HMXH07.7JTB	7.7	*	DOC	California	Non-EGR
2004	International	4NVXH0365AEB	6.0	*	DOC	California	Non-EGR
2004	International	4NVXH0365FEC	6.0	*	DOC	Federal	Non-EGR
2004	International	4NVXH0466AEA	7.6	*	DOC	California	Non-EGR
2004	International	4NVXH0466ANA	7.6	*	*	California	Non-EGR
2004	International	4NVXH0466ANB	7.6	*	*	California	Non-EGR
2004	International	4NVXH0466FEB	7.6	*	DOC	Federal	Non-EGR
2004	International	4NVXH0530ANA	8.7	*	*	California	Non-EGR
2004	International	4NVXH0530ANB	8.7	*	*	California	Non-EGR
2004	International	4NVXH0530ANC	8.7	*	*	California	Non-EGR
2004	International	4NVXH0570AEA	9.3	*	DOC	California	Non-EGR
2004	International	4NVXH06.0AEB	6.0	*	DOC	California	Non-EGR
2004	Isuzu	4SZXH05.23AA	5.2	*	DOC	California	Non-EGR
2004	Isuzu	4SZXH06.64AA	6.6	*	DOC	California	Non-EGR
2004	Isuzu	4SZXH06.64AW	6.6	*	DOC	California	Non-EGR
2004	Isuzu	4SZXH07.84RA	7.8	*	*	California	Non-EGR
2004	Isuzu	4SZXH07.84RW	7.8	*	*	California	Non-EGR
2004	Isuzu Motors	4SZXH06.63AA	6.6	*	DOC	Federal	Non-EGR
2004	Isuzu Motors	4SZXH06.63AW	6.6	*	DOC	Federal	Non-EGR
2004	Mack	4MKXH11.9H64	11.9	*	*	California	Non-EGR
2004	Mack	4MKXH11.9H70	11.9	*	*	California	Non-EGR
2004	Mack	4MKXH11.9H73	11.9	*	*	California	Non-EGR
2004	Volvo	4VTXH12.150S	12.1	*	*	California	Non-EGR
2005	Caterpillar	5CPXH0442HBK	7.2	*	DOC	California	Non-EGR
2005	Caterpillar	5CPXH0537HBK	8.8	*	DOC	California	Non-EGR
2005	Caterpillar	5CPXH0680EBK	11.1	*	DOC	California	Non-EGR

¹ Do not remove Original Equipment DOC, install BP sensor upstream and Vista downstream of DOC

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2005	Caterpillar	5CPXH0763EBK	12.5	*	DOC	California	Non-EGR
2005	Cummins	5CEXH0359BAA	5.9	*	DOC	Federal	Non-EGR
2005	Cummins	5CEXH0359BAB	5.9	*	DOC	California	Non-EGR
2005	Cummins	5CEXH0359BAD	5.9	*	DOC	Federal	Non-EGR
2005	Cummins	5CEXH0359BAF	5.9	*	*	California	Non-EGR
2005	Cummins	5CEXH0359BAG	5.9	*	*	California	Non-EGR
2005	Cummins	5CEXH0359BAH	5.9	*	*	California	Non-EGR
2005	Cummins	5CEXH0505CAR	8.3	*	*	California	Non-EGR
2005	Cummins	5CEXH0505CAW	8.3	*	DOC	Federal	Non-EGR
2005	Cummins	5CEXH0505CAX	8.3	*	DOC	California	Non-EGR
2005	Cummins	5CEXH0505CAY	8.3	*	DOC	California	Non-EGR
2005	Cummins	5CEXH0540LAE	8.8	*	*	California	Non-EGR
2005	Cummins	5CEXH0540LAH	8.8	*	DOC	California	Non-EGR
2005	Cummins	5CEXH0540LAI	8.8	*	DOC	California	Non-EGR
2005	Cummins	5CEXH0661MAT	10.8	*	*	California	Non-EGR
2005	Cummins	5CEXH0661MAU	10.8	*	*	California	Non-EGR
2005	Cummins	5CEXH0661MAV	10.8	*	DOC	Federal	Non-EGR
2005	Cummins	5CEXH0661MAX	10.8	*	*	California	Non-EGR
2005	DaimlerChrysler	5MBXH12.8DJA	12.8	*	*	California	Non-EGR
2005	DaimlerChrysler	5MBXH4.25DJA	4.3	*	*	California	Non-EGR
2005	DaimlerChrysler	5MBXH6.37DJA	6.4	*	*	California	Non-EGR
2005	DaimlerChrysler	5MBXH7.20DJA	7.2	4.8	*	California	Non-EGR
2005	Detroit Diesel Corporation	5DDXH08.5FJY	8.5	*	DOC	Federal	Non-EGR
2005	Detroit Diesel Corporation	5DDXH12.7EGY	12.7	*	*	California	Non-EGR
2005	General Engine Products	5GEPH06.5CRD	6.5	*	DOC	Federal	Non-EGR
2005	General Motors	5GMXH06.6592	6.6	*	DOC	California	Non-EGR
2005	General Motors	5GMXH06.6593	6.6	*	DOC	California	Non-EGR
2005	Hino	5HMXH04.7JTA	4.7	*	DOC	California	Non-EGR
2005	Hino	5HMXH07.7JTA	7.7	*	DOC	California	Non-EGR
2005	Hino	5HMXH07.7JTB	7.7	*	DOC	California	Non-EGR
2005	International	5NVXH0275AEA	4.5	*	DOC	California	Non-EGR
2005	International	5NVXH0365AEC	6.0	*	DOC	California	Non-EGR
2005	International	5NVXH0466AEA	7.6	*	DOC	California	Non-EGR
2005	International	5NVXH0570AEA	9.3	*	DOC	California	Non-EGR
2005	International	5NVXH06.0AEC	6.0	*	DOC	California	Non-EGR
2005	Isuzu	5SZXH05.23AB	5.2	*	DOC	California	Non-EGR
2005	Isuzu	5SZXH07.84RA	7.8	*	*	California	Non-EGR
2005	Isuzu	5SZXH07.84RB	7.8	*	*	California	Non-EGR
2005	Isuzu	5SZXH07.84RW	7.8	*	*	California	Non-EGR
2005	Mack	5MKXH11.9H70	11.9	*	*	California	Non-EGR
2005	Mack	5MKXH11.9H73	11.9	*	*	California	Non-EGR
2005	Mitsubishi Fuso	5MFTH04.9M5A	4.9	*	DOC	California	Non-EGR
2005	Mitsubishi Fuso	5MFTH07.5M6A	7.5	*	DOC	California	Non-EGR
2005	Volvo	5VTXH12.150S	12.1	*	*	California	Non-EGR
2006	Caterpillar	6CPXH0442HBK	7.2	*	DOC	California	Non-EGR
2006	Caterpillar	6CPXH0537HBK	8.8	*	DOC	California	Non-EGR
2006	Caterpillar	6CPXH0680EBK	11.1	*	DOC	California	Non-EGR
2006	Caterpillar	6CPXH0763EBK	12.5	*	DOC	California	Non-EGR
2006	Cummins	6CEXH0359BAA	5.9	*	DOC	Federal	Non-EGR
2006	Cummins	6CEXH0359BAB	5.9	*	DOC	California	Non-EGR
2006	Cummins	6CEXH0359BAD	5.9	*	DOC	Federal	Non-EGR

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Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2006	Cummins	6CEXH0359BAF	5.9	*	*	California	Non-EGR
2006	Cummins	6CEXH0359BAG	5.9	*	*	California	Non-EGR
2006	Cummins	6CEXH0359BAH	5.9	*	*	California	Non-EGR
2006	Cummins	6CEXH0359BAI	5.9	*	*	California	Non-EGR
2006	Cummins	6CEXH0505CAW	8.3	*	DOC	Federal	Non-EGR
2006	Cummins	6CEXH0505CAX	8.3	*	DOC	California	Non-EGR
2006	Cummins	6CEXH0505CAY	8.3	*	DOC	California	Non-EGR
2006	Cummins	6CEXH0540LAI	8.8	*	DOC	California	Non-EGR
2006	Cummins	6CEXH0540LAJ	8.8	*	DOC	California	Non-EGR
2006	Cummins	6CEXH0661MAT	10.8	*	*	California	Non-EGR
2006	Cummins	6CEXH0661MAU	10.8	*	*	California	Non-EGR
2006	Cummins	6CEXH0661MAV	10.8	*	DOC	Federal	Non-EGR
2006	Cummins	6CEXH0661MAX	10.8	*	*	California	Non-EGR
2006	DaimlerChrysler	6MBXH12.8DJA	12.8	*	*	California	Non-EGR
2006	DaimlerChrysler	6MBXH4.25DJA	4.3	*	*	California	Non-EGR
2006	DaimlerChrysler	6MBXH6.37DJA	6.4	*	*	California	Non-EGR
2006	DaimlerChrysler	6MBXH7.20DJA	7.2	4.8	*	California	Non-EGR
2006	Detroit Diesel Corporation	6DDXH12.7EGY	12.7	*	*	California	Non-EGR
2006	General Motors	6GMXH06.6590	6.6	*	DOC	California	Non-EGR
2006	General Motors	6GMXH06.6591	6.6	*	DOC	California	Non-EGR
2006	Hino	6HMXH04.7JTA	4.7	*	DOC	California	Non-EGR
2006	Hino	6HMXH07.7JTA	7.7	*	DOC	California	Non-EGR
2006	Hino	6HMXH07.7JTB	7.7	*	DOC	California	Non-EGR
2006	International	6NVXH0275AEA	4.5	*	DOC	California	Non-EGR
2006	International	6NVXH0365AEC	6.0	*	DOC	California	Non-EGR
2006	International	6NVXH0466AEA	7.6	*	DOC	California	Non-EGR
2006	International	6NVXH0570AEA	9.3	*	DOC	California	Non-EGR
2006	International	6NVXH06.0AEC	6.0	*	DOC	California	Non-EGR
2006	Isuzu	6SZXH05.23AB	5.2	*	DOC	California	Non-EGR
2006	Isuzu	6SZXH07.84RA	7.8	*	*	California	Non-EGR
2006	Isuzu	6SZXH07.84RW	7.8	*	*	California	Non-EGR
2006	Isuzu Motors	6SZXH07.84RW	7.8	*	*	Federal	Non-EGR
2006	Mack	6MKXH10.8C02	10.8	*	*	California	Non-EGR
2006	Mack	6MKXH11.9H70	11.9	*	*	California	Non-EGR
2006	Mack	6MKXH11.9H73	11.9	*	*	California	Non-EGR
2006	Mitsubishi Fuso	6MFTH04.9M5A	4.9	*	DOC	California	Non-EGR
2006	Mitsubishi Fuso	6MFTH07.5M6A	7.5	*	DOC	California	Non-EGR
2006	Mitsubishi Fuso	6MFTH07.5M6B	7.5	*	DOC	Federal	Non-EGR
2006	Volvo	6VTXH12.150S	12.1	*	*	California	Non-EGR
2007	Cummins	7CEXH0661MAC	10.8	*	*	Federal	Non-EGR
2007	International	7NVXH06.0AEC	6.0	*	DOC	California	Non-EGR
2008	Cummins	8CEXH0661MAC	10.8	*	*	California	Non-EGR
2008	Cummins	8CEXH0661MAC	10.8	*	*	Federal	Non-EGR
2008	Detroit Diesel Corporation	8DDXH06.4TER	6.4	*	*	Federal	Non-EGR
2008	Detroit Diesel Corporation	8DDXH07.2TER	4.8	7.2	*	Federal	Non-EGR
2008	Detroit Diesel Corporation	8DDXH12.8TER	12.8	*	*	Federal	Non-EGR
2008	International	8NVXH06.0AEC	6.0	*	DOC	California	Non-EGR
2009	Cummins	9CEXH0661MAC	10.8	*	*	California	Non-EGR
2009	Cummins	9CEXH0661MAC	10.8	*	*	Federal	Non-EGR
2009	Detroit Diesel Corporation	9DDXH06.4TER	6.4	*	*	Federal	Non-EGR
2009	Detroit Diesel Corporation	9DDXH07.2TER	4.8	7.2	*	Federal	Non-EGR

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Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
2009	Detroit Diesel Corporation	9DDXH12.8TER	12.8	*	*	Federal	Non-EGR
2009	International	9NVXH06.0AEC	6.0	*	DOC	California	Non-EGR
2010	Detroit Diesel Corporation	ADDXH06.4TER	6.4	*	*	Federal	Non-EGR
2010	Detroit Diesel Corporation	ADDXH07.2TER	4.8	7.2	*	Federal	Non-EGR
2010	Detroit Diesel Corporation	ADDXH12.8TER	12.8	*	*	Federal	Non-EGR

Disclaimer: This engine family list is provided for your convenience. Although every effort has been made to ensure accuracy, we recommend that for compliance purposes you consult the official CARB engine family list available at the CARB website.

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