



ESW CleanTech Horizon®
CARB Verified Engine Family List
Executive Order DE-05-010
VDEC Family Name CA/ECT/2005/PM3+/N00/ON/DPF01

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1988	Caterpillar	JCT0636DAA8	10.4	*	*	California	Non-EGR
1988	Caterpillar	JCT0636EPA1	10.4	*	*	Federal	Non-EGR
1988	Caterpillar	JCT0636EPB2	10.4	*	*	California	Non-EGR
1988	Caterpillar	JCT0636FPA4	10.4	*	*	California	Non-EGR
1988	Caterpillar	JCT0638FPA1	10.5	*	*	California	Non-EGR
1988	Caterpillar	JCT0638FPB2	10.5	*	*	Federal	Non-EGR
1988	Caterpillar	JCT0638FPC3	10.5	*	*	California	Non-EGR
1988	Caterpillar	JCT0893FPB2	14.6	*	*	California	Non-EGR
1988	Caterpillar	JCT0893FZC7	14.6	*	*	California	Non-EGR
1988	Cummins	JCE0239EAA4	3.9	*	*	California	Non-EGR
1988	Cummins	JCE0239FAA7	3.9	*	*	California	Non-EGR
1988	Cummins	JCE03.4EAA2	3.4	*	*	California	Non-EGR
1988	Cummins	JCE0359EAA9	5.9	*	*	California	Non-EGR
1988	Cummins	JCE0359FAA1	5.9	*	*	California	Non-EGR
1988	Cummins	JCE0505EAA2	8.3	*	*	California	Non-EGR
1988	Cummins	JCE0505FAA5	8.3	*	*	California	Non-EGR
1988	Cummins	JCE0611FAA0	10.0	*	*	California	Non-EGR
1988	Cummins	JCE0855DAA9	14.0	*	*	Federal	Non-EGR
1988	Cummins	JCE0855FAA3	14.0	*	*	California	Non-EGR
1988	Cummins	JCE0855FZA9	14.0	*	*	California	Non-EGR
1988	Cummins	JCE0855FZBX	14.0	*	*	Federal	Non-EGR
1988	Daimler Benz	JDB9.97FAF7	10.0	*	*	Federal	Non-EGR
1988	Daimler-Benz	JDB5.96FAF0	6.0	*	*	California	Non-EGR
1988	Daimler-Benz	JDB9.97FPC8	10.0	*	*	California	Non-EGR
1988	Detroit Diesel Corporation	JDD12.7FZA2	12.7	*	*	California	Non-EGR
1988	Ford	JFM07.8EPC9	7.8	*	*	California	Non-EGR
1988	Ford	JFM07.8FPD2	7.8	*	*	California	Non-EGR
1988	Ford	JFM07.8FPE3	7.8	*	*	California	Non-EGR
1988	General Motors	JGM0552FWG7	9.0	*	*	Federal	Non-EGR
1988	General Motors	JGM0552FZJ7	9.0	*	*	Federal	Non-EGR
1988	General Motors	JGM06.2DAB5	6.2	*	*	California	Non-EGR
1988	General Motors	JGM06.2DAN8	6.2	*	*	Federal	Non-EGR
1988	General Motors	JGM0736FWH4	12.1	*	*	Federal	Non-EGR
1988	General Motors	JGM08.2DAB6	8.2	*	*	California	Non-EGR
1988	General Motors	JGM08.2EAB9	8.2	*	*	California	Non-EGR
1988	General Motors	JGM12.7FZA7	12.7	11.1	*	California	Non-EGR
1988	Hercules Engines	JHE03.7EAA4	3.7	*	*	Federal	Non-EGR
1988	Hercules Engines	JHE03.7FPA8	3.7	*	*	California	Non-EGR
1988	Hino	JHM0038EAA3	3.8	*	*	California	Non-EGR
1988	Hino	JHM0065EAA6	6.5	*	*	California	Non-EGR
1988	Hino	JHM0065FAA9	6.5	*	*	California	Non-EGR
1988	Hino	JHM0067DAA0	6.7	*	*	California	Non-EGR
1988	Hino Motors	JHM0094DAA3	9.4	*	*	Federal	Non-EGR
1988	International	7.3LD (1988)	7.3	*	*	California	Non-EGR
1988	International	JNV0360EPA8	5.9	*	*	Federal	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1988	International	JNV0360FPA0	5.9	*	*	California	Non-EGR
1988	International	JNV0466EPA5	7.6	*	*	California	Non-EGR
1988	International	JNV0466FPA8	7.6	*	*	California	Non-EGR
1988	International	JNV07.3DAA4	7.3	*	*	Federal	Non-EGR
1988	Isuzu	JSZ0235EAA0	3.9	*	*	California	Non-EGR
1988	Isuzu	JSZ0353EAB9	5.8	*	*	California	Non-EGR
1988	Isuzu	JSZ0396DAB5	6.5	*	*	California	Non-EGR
1988	Isuzu	JSZ0396FAB0	6.5	*	*	California	Non-EGR
1988	Isuzu	JSZ0513EAB1	8.4	*	*	California	Non-EGR
1988	Iveco	JVE0238FAAX	3.9	*	*	California	Non-EGR
1988	Iveco	JVE0358EAA1	5.9	*	*	California	Non-EGR
1988	Kloockner HumboldtDeutz	JDZ0779EPA8	12.8	*	*	Federal	Non-EGR
1988	Mack	13	11.0	*	*	California	Non-EGR
1988	Mack	14	11.0	*	*	California	Non-EGR
1988	Mack Trucks	JMT0672EPA3	11.0	*	*	Federal	Non-EGR
1988	Mack Trucks	JMT0672FPA6	11.0	*	*	Federal	Non-EGR
1988	Mack Trucks	JMT0672FPB7	11.0	*	*	Federal	Non-EGR
1988	Mack Trucks	JMT0672FPC8	11.0	*	*	Federal	Non-EGR
1988	MAN	JMA11.4FPA0	11.4	*	*	California	Non-EGR
1988	Mitsubishi	JMM0201EAA2	3.3	*	*	California	Non-EGR
1988	Mitsubishi	JMM0302EAA1	4.9	*	*	California	Non-EGR
1988	Mitsubishi	JMM0400EAA1	6.6	*	*	California	Non-EGR
1988	Mitsubishi	JMM0400EAB0	6.6	*	*	California	Non-EGR
1988	Nissan	JND0423DAA5	6.9	*	*	California	Non-EGR
1988	Nissan	JND0423EAB9	6.9	*	*	California	Non-EGR
1988	Nissan	JND0452EAB9	7.4	*	*	California	Non-EGR
1988	Renault	JRE0335FPA8	6.2	*	*	California	Non-EGR
1988	Renault	JRE0538FAA9	8.8	*	*	California	Non-EGR
1988	Volvo	JVT0334EPA4	5.5	*	*	Federal	Non-EGR
1988	Volvo	JVT0334FPA7	5.5	*	*	Federal	Non-EGR
1988	Volvo	JVT0409FPA2	6.7	*	*	Federal	Non-EGR
1988	Volvo	JVT0409FPA7	6.7	*	*	California	Non-EGR
1988	Volvo	JVT0586FPA8	9.6	*	*	California	Non-EGR
1988	Volvo	JVT0730FPA4	12.0	*	*	California	Non-EGR
1989	Caterpillar	KCT0403FZD4	6.6	*	*	California	Non-EGR
1989	Caterpillar	KCT0629FZD6	10.3	*	*	California	Non-EGR
1989	Caterpillar	KCT0636DAA7	10.4	*	*	California	Non-EGR
1989	Caterpillar	KCT0636EPA0	10.4	*	*	Federal	Non-EGR
1989	Caterpillar	KCT0636EPB1	10.4	*	*	California	Non-EGR
1989	Caterpillar	KCT0636EPC2	10.4	*	*	California	Non-EGR
1989	Caterpillar	KCT0636FPA3	10.4	*	*	California	Non-EGR
1989	Caterpillar	KCT0638FPA0	10.5	*	*	California	Non-EGR
1989	Caterpillar	KCT0638FPB1	10.5	*	*	Federal	Non-EGR
1989	Caterpillar	KCT0638FPC2	10.5	*	*	California	Non-EGR
1989	Caterpillar	KCT0893FPB1	14.6	*	*	California	Non-EGR
1989	Caterpillar	KCT0893FZC6	14.6	*	*	California	Non-EGR
1989	Cummins	KCE0239EAA3	3.9	*	*	California	Non-EGR
1989	Cummins	KCE0239FAA6	3.9	*	*	California	Non-EGR
1989	Cummins	KCE03.4EAA1	3.4	*	*	California	Non-EGR
1989	Cummins	KCE0359EAA8	5.9	*	*	California	Non-EGR
1989	Cummins	KCE0359FAA0	5.9	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1989	Cummins	KCE0505EAA1	8.3	*	*	California	Non-EGR
1989	Cummins	KCE0505FAA4	8.3	*	*	California	Non-EGR
1989	Cummins	KCE0505FAB5	8.3	*	*	California	Non-EGR
1989	Cummins	KCE0611FAAX	10.0	*	*	California	Non-EGR
1989	Cummins	KCE0855DAA8	14.0	*	*	Federal	Non-EGR
1989	Cummins	KCE0855FAA3	14.0	*	*	California	Non-EGR
1989	Cummins	KCE0855FZA8	14.0	*	*	California	Non-EGR
1989	Daimler Benz	KDB9.97FAF9	10.0	*	*	Federal	Non-EGR
1989	Daimler-Benz	KDB5.96FAFX	6.0	*	*	California	Non-EGR
1989	Daimler-Benz	KDB9.97FPC7	10.0	*	*	California	Non-EGR
1989	Deere & Company	KJD07.6FPB1	4.6	*	*	Federal	Non-EGR
1989	Detroit Diesel Corporation	KDD12.7FZA1	12.7	11.1	*	California	Non-EGR
1989	Ford	KFM07.8EPC8	6.6	*	*	California	Non-EGR
1989	Ford	KFM07.8FPD1	7.8	*	*	California	Non-EGR
1989	Ford	KFM07.8FPE2	7.8	*	*	California	Non-EGR
1989	Ford	KFM07.8FPF3	7.8	6.6	*	California	Non-EGR
1989	General Motors	KGM06.2DAB4	6.2	*	*	California	Non-EGR
1989	General Motors	KGM06.2DAB5	8.2	*	*	California	Non-EGR
1989	General Motors	KGM06.2DAN7	6.2	*	*	Federal	Non-EGR
1989	General Motors	KGM06.2EAB8	8.2	*	*	California	Non-EGR
1989	General Motors	KGM08.2DAB5	8.2	*	*	Federal	Non-EGR
1989	General Motors	KGM08.2EAB8	8.2	*	*	Federal	Non-EGR
1989	Hercules Engines	KHE03.7EAA3	2.7	*	*	Federal	Non-EGR
1989	Hercules Engines	KHE03.7FPA7	3.7	*	*	California	Non-EGR
1989	Hercules Engines	KHE05.6EAA0	2.7	*	*	Federal	Non-EGR
1989	Hercules Engines	KHE05.6FAB4	3.4	*	*	Federal	Non-EGR
1989	Hino Motors	KHM0038EAA2	3.8	*	*	Federal	Non-EGR
1989	Hino Motors	KHM0065EAA5	6.5	*	*	Federal	Non-EGR
1989	Hino Motors	KHM0065FAA8	6.5	*	*	Federal	Non-EGR
1989	Hino Motors	KHM0067DAA0	6.7	*	*	Federal	Non-EGR
1989	Hino Motors	KHM0094DAA2	9.4	*	*	Federal	Non-EGR
1989	International	7.3LD (1989)	7.3	*	*	California	Non-EGR
1989	International	KNV0360EPA7	5.9	*	*	Federal	Non-EGR
1989	International	KNV0360FPAX	5.9	*	*	California	Non-EGR
1989	International	KNV0466EPA4	7.6	*	*	California	Non-EGR
1989	International	KNV0466FPA7	7.6	*	*	California	Non-EGR
1989	International	KNV07.3DAA3	7.3	*	*	Federal	Non-EGR
1989	Isuzu	KSZ0235EAAAX	3.9	*	*	California	Non-EGR
1989	Isuzu	KSZ0353EAB8	5.8	*	*	California	Non-EGR
1989	Isuzu	KSZ0396DAB4	6.5	*	*	California	Non-EGR
1989	Isuzu	KSZ0396FABX	6.5	*	*	California	Non-EGR
1989	Isuzu	KSZ0513EAB0	8.4	*	*	California	Non-EGR
1989	Iveco	KVE0238FAA9	3.9	*	*	California	Non-EGR
1989	Iveco	KVE0358EAA0	5.9	*	*	California	Non-EGR
1989	Mack	KMT0672FAB5	11.0	*	*	California	Non-EGR
1989	Mack	KMT0728FAA9	11.0	11.9	*	California	Non-EGR
1989	Mack Trucks	KMT0672EAA1	11.0	*	*	Federal	Non-EGR
1989	Mack Trucks	KMT0672FAA4	11.0	*	*	Federal	Non-EGR
1989	Man Nutzpahrzeuge	KMA05.7FPA6	5.7	*	*	Federal	Non-EGR
1989	Mitsubishi	KMM0201EAA1	3.3	*	*	California	Non-EGR
1989	Mitsubishi	KMM0302EAA0	5.0	*	*	California	Non-EGR

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Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1989	Mitsubishi	KMM0400EAA9	6.6	*	*	California	Non-EGR
1989	Mitsubishi	KMM0400EABX	6.6	*	*	California	Non-EGR
1989	Nissan	KND0211EAB5	3.5	*	*	California	Non-EGR
1989	Nissan	KND0423DAA4	6.9	*	*	California	Non-EGR
1989	Nissan	KND0423EAB8	6.9	*	*	California	Non-EGR
1989	Nissan	KND0452EAB8	7.4	*	*	California	Non-EGR
1989	Renault	KRE0335FPA7	6.2	*	*	California	Non-EGR
1989	Renault	KRE0538FAA8	8.8	*	*	California	Non-EGR
1989	Volvo	KVT0409FPA6	6.7	*	*	California	Non-EGR
1989	Volvo	KVT0586FPA7	9.6	*	*	California	Non-EGR
1989	Volvo	KVT0730FPA3	12.0	*	*	California	Non-EGR
1990	Caterpillar	LCT0403FZD3	6.6	*	*	California	Non-EGR
1990	Caterpillar	LCT0629FZD5	10.3	*	*	California	Non-EGR
1990	Caterpillar	LCT0636DAA6	10.4	*	*	California	Non-EGR
1990	Caterpillar	LCT0636EPB0	10.4	*	*	California	Non-EGR
1990	Caterpillar	LCT0636EPB0	10.4	*	*	Federal	Non-EGR
1990	Caterpillar	LCT0636EPC1	10.4	*	*	California	Non-EGR
1990	Caterpillar	LCT0636FPA2	10.4	*	*	California	Non-EGR
1990	Caterpillar	LCT0638FPAX	10.5	*	*	California	Non-EGR
1990	Caterpillar	LCT0638FPC1	10.5	*	*	California	Non-EGR
1990	Caterpillar	LCT0893FPB0	14.6	*	*	California	Non-EGR
1990	Caterpillar	LCT0893FPB0	14.6	*	*	Federal	Non-EGR
1990	Caterpillar	LCT0893FZC5	14.6	*	*	California	Non-EGR
1990	Caterpillar	LCT0893FZD6	14.6	*	*	California	Non-EGR
1990	Cummins	LCE0239EAA2	3.9	*	*	California	Non-EGR
1990	Cummins	LCE0239FAA5	3.9	*	*	California	Non-EGR
1990	Cummins	LCE03.4EAA0	3.4	*	*	California	Non-EGR
1990	Cummins	LCE0359EAA7	5.9	*	*	California	Non-EGR
1990	Cummins	LCE0359FAAX	5.9	*	*	California	Non-EGR
1990	Cummins	LCE0359FAB0	5.9	*	*	California	Non-EGR
1990	Cummins	LCE0359FAC1	5.9	*	*	California	Non-EGR
1990	Cummins	LCE0505EAA0	8.3	*	*	California	Non-EGR
1990	Cummins	LCE0505EAA0	8.3	*	*	Federal	Non-EGR
1990	Cummins	LCE0505FAA3	8.3	*	*	California	Non-EGR
1990	Cummins	LCE0505FAB4	8.3	*	*	California	Non-EGR
1990	Cummins	LCE0505FAC5	8.3	*	*	California	Non-EGR
1990	Cummins	LCE0611FAA9	10.0	*	*	California	Non-EGR
1990	Cummins	LCE0611FABX	10.0	*	*	California	Non-EGR
1990	Cummins	LCE0611FZA3	10.0	*	*	California	Non-EGR
1990	Cummins	LCE0611FZB4	10.0	*	*	California	Non-EGR
1990	Cummins	LCE0855FAA2	14.0	*	*	California	Non-EGR
1990	Cummins	LCE0855FAB3	14.0	*	*	California	Non-EGR
1990	Cummins	LCE0855FZA7	14.0	*	*	California	Non-EGR
1990	Cummins	LCE0855FZB8	14.0	*	*	California	Non-EGR
1990	Detroit Diesel Corporation	LDD11.1FZA3	11.1	*	*	California	Non-EGR
1990	Detroit Diesel Corporation	LDD12.7FZA0	12.7	*	*	California	Non-EGR
1990	Ford	LFM07.8EPC7	7.8	6.6	*	California	Non-EGR
1990	Ford	LFM07.8FPD0	7.8	*	*	California	Non-EGR
1990	Ford	LFM07.8FPF2	7.8	6.6	*	California	Non-EGR
1990	Ford	LFM07.8FPK9	7.8	6.6	*	California	Non-EGR
1990	General Motors	LGM06.2DAB3	6.2	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1990	General Motors	LGM08.2DAB4	8.2	*	*	California	Non-EGR
1990	General Motors	LGM08.2EAB7	8.2	*	*	California	Non-EGR
1990	Hercules Engines	LHE03.7FPA6	3.7	*	*	California	Non-EGR
1990	Hino	LHM03.5EAA4	6.5	*	*	California	Non-EGR
1990	Hino	LHM03.8EAA9	3.8	*	*	California	Non-EGR
1990	Hino	LHM06.5FAA7	6.5	*	*	California	Non-EGR
1990	Hino	LHM06.7DAA9	6.7	*	*	California	Non-EGR
1990	Hino Motors	LHM06.5EAA4	6.5	*	*	Federal	Non-EGR
1990	International	LNV0360EPA6	5.9	*	*	California	Non-EGR
1990	International	LNV0360FPA9	5.9	*	*	California	Non-EGR
1990	International	LNV0466EPA3	7.6	*	*	California	Non-EGR
1990	International	LNV0466FPA6	7.6	*	*	California	Non-EGR
1990	International	LNV0466FPB7	7.6	*	*	California	Non-EGR
1990	International	LNV07.3DAA2	7.3	*	*	Federal	Non-EGR
1990	International	LNV07.3DAA23	7.3	*	*	California	Non-EGR
1990	Isuzu	LSZ0235EAA9	3.9	*	*	California	Non-EGR
1990	Isuzu	LSZ0353EAB7	5.8	*	*	California	Non-EGR
1990	Isuzu	LSZ0396DAB3	6.5	*	*	California	Non-EGR
1990	Isuzu	LSZ0396FAB9	6.5	*	*	California	Non-EGR
1990	Isuzu	LSZ0513EABX	8.4	*	*	California	Non-EGR
1990	Iveco	LVE0238FAA8	3.9	*	*	California	Non-EGR
1990	Iveco	LVE0358EAA8	5.9	*	*	California	Non-EGR
1990	Mack	LMT0672FAA3	11.0	*	*	California	Non-EGR
1990	Mack	LMT0672FAB4	11.0	*	*	California	Non-EGR
1990	Mack	LMT0672FAC5	11.0	*	*	California	Non-EGR
1990	Mack	LMT0672FAD6	11.0	*	*	California	Non-EGR
1990	Mack	LMT0728FAA8	11.9	*	*	California	Non-EGR
1990	Mack	LMT0728FAB9	11.9	*	*	California	Non-EGR
1990	Mack	LMT0728FACX	11.9	*	*	California	Non-EGR
1990	Mack	LMT0728FAD0	11.9	*	*	California	Non-EGR
1990	Mack	LMT0728FAE1	11.9	*	*	California	Non-EGR
1990	Mack	LMT0728FAF2	11.9	*	*	California	Non-EGR
1990	Mack	LMT0728FAG3	11.9	*	*	California	Non-EGR
1990	Mercedes-Benz	LMB5.96FAA4	6.0	*	*	California	Non-EGR
1990	Mercedes-Benz	LMB9.97FAA3	10.0	*	*	California	Non-EGR
1990	Mitsubishi	LMM0201EAA0	3.3	*	*	California	Non-EGR
1990	Mitsubishi	LMM0201FAA3	3.3	*	*	California	Non-EGR
1990	Mitsubishi	LMM0302EAA8	4.9	*	*	California	Non-EGR
1990	Mitsubishi	LMM0400EAA8	6.6	*	*	California	Non-EGR
1990	Mitsubishi	LMM0400EAB9	6.6	*	*	California	Non-EGR
1990	Mitsubishi	LMM0460FAA8	7.5	*	*	California	Non-EGR
1990	Nissan	LND0211EAB4	3.5	*	*	California	Non-EGR
1990	Nissan	LND0423DAA3	6.9	*	*	California	Non-EGR
1990	Nissan	LND0423EAB7	6.9	*	*	California	Non-EGR
1990	Nissan	LND0452EAB7	7.4	*	*	California	Non-EGR
1990	Perkins	LPE0243FAC2	4.0	*	*	Federal	Non-EGR
1990	Perkins	LPE0364FAB6	6.0	*	*	California	Non-EGR
1990	Renault	LRE0335FPA6	6.2	*	*	California	Non-EGR
1990	Renault	LRE0538FAA7	8.8	9.8	*	California	Non-EGR
1990	Saab Scania	LSS0673FPF9	11.0	*	*	Federal	Non-EGR
1990	Volvo	LVT05.5FPA0	5.5	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1990	Volvo	LVT06.7FPA3	6.7	*	*	California	Non-EGR
1990	Volvo	LVT12.0FPA2	12.0	*	*	California	Non-EGR
1991	Caterpillar	MCT0403FZC1	6.6	*	*	California	Non-EGR
1991	Caterpillar	MCT0403FZD2	6.6	*	*	California	Non-EGR
1991	Caterpillar	MCT0403FZE3	6.6	*	*	California	Non-EGR
1991	Caterpillar	MCT0629FZD4	10.3	*	*	California	Non-EGR
1991	Caterpillar	MCT0638FPC0	10.5	*	*	Federal	Non-EGR
1991	Caterpillar	MCT0893FPBX	14.6	*	*	California	Non-EGR
1991	Caterpillar	MCT0893FZD5	14.6	*	*	California	Non-EGR
1991	Cummins	MCE0239FAA4	3.9	*	*	California	Non-EGR
1991	Cummins	MCE03.4FAA2	3.4	*	*	California	Non-EGR
1991	Cummins	MCE0359FAA9	5.9	*	*	California	Non-EGR
1991	Cummins	MCE0359FABX	5.9	*	*	California	Non-EGR
1991	Cummins	MCE0505FAA2	8.3	*	*	California	Non-EGR
1991	Cummins	MCE0611FAA8	10.0	*	*	Federal	Non-EGR
1991	Cummins	MCE0611FAB9	10.0	*	*	Federal	Non-EGR
1991	Cummins	MCE0611FZA2	10.0	*	*	California	Non-EGR
1991	Cummins	MCE0611FZB3	10.0	*	*	California	Non-EGR
1991	Cummins	MCE0611FZD5	10.0	*	*	California	Non-EGR
1991	Cummins	MCE0855FAA1	14.0	*	*	Federal	Non-EGR
1991	Cummins	MCE0855FAB2	14.0	*	*	Federal	Non-EGR
1991	Cummins	MCE0855FZA6	14.0	*	*	California	Non-EGR
1991	Cummins	MCE0855FZB7	14.0	*	*	California	Non-EGR
1991	Cummins	MCE0855FZC8	14.0	*	*	California	Non-EGR
1991	Cummins	MCE0855FZD9	14.0	*	*	California	Non-EGR
1991	Cummins	MCE0855FZEX	14.0	*	*	Federal	Non-EGR
1991	Detroit Diesel Corporation	MDD11.1FZA2	11.1	*	*	California	Non-EGR
1991	Detroit Diesel Corporation	MDD12.7FZAX	12.7	*	*	California	Non-EGR
1991	Ford	MFM07.8FPK8	7.8	6.6	*	California	Non-EGR
1991	General Motors	MGM06.2DAB2	6.2	*	*	California	Non-EGR
1991	Hino	MHM03.8FAA0	3.8	*	*	California	Non-EGR
1991	Hino	MHM06.5FAA6	6.5	*	*	California	Non-EGR
1991	International	MNV0360EPA5	5.9	*	*	Federal	Non-EGR
1991	International	MNV0360EPC7	5.9	*	*	California	Non-EGR
1991	International	MNV0360FPA8	5.9	*	*	Federal	Non-EGR
1991	International	MNV0360FPCX	5.9	*	*	California	Non-EGR
1991	International	MNV0466EPA2	7.6	*	*	Federal	Non-EGR
1991	International	MNV0466EPB3	7.6	*	*	Federal	Non-EGR
1991	International	MNV0466EPC4	7.6	*	*	California	Non-EGR
1991	International	MNV0466FPA5	7.6	*	*	Federal	Non-EGR
1991	International	MNV0466FPB6	7.6	*	*	Federal	Non-EGR
1991	International	MNV0466FPC7	7.6	*	*	California	Non-EGR
1991	International	MNV07.3DAA1	7.3	*	*	California	Non-EGR
1991	Mack	MMT0728FAF1	11.9	*	*	California	Non-EGR
1991	Mack	MMT0728FAG2	11.9	*	*	California	Non-EGR
1991	Mack	MMT0728FAH3	11.9	*	*	California	Non-EGR
1991	Mack Trucks	MMT0728FAA7	11.9	*	*	Federal	Non-EGR
1991	Mack Trucks	MMT0728FAB8	11.9	*	*	Federal	Non-EGR
1991	Mack Trucks	MMT0728FAC9	11.9	*	*	Federal	Non-EGR
1991	Mack Trucks	MMT0728FADX	11.9	*	*	Federal	Non-EGR
1991	Mack Trucks	MMT0728FAE0	11.9	*	*	Federal	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1991	Mercedes-Benz	MMB5.96FAA3	6.0	*	*	California	Non-EGR
1991	Perkins	MPE0364FAB9	6.0	*	*	Federal	Non-EGR
1991	Perkins	MPE0365FAA1	6.0	*	*	California	Non-EGR
1991	Renault	MRE0335FAA4	6.2	*	*	California	Non-EGR
1991	Volvo	MVT06.7FAA1	6.7	*	*	California	Non-EGR
1991	Volvo	MVT12.0FAA0	12.0	*	*	California	Non-EGR
1992	Caterpillar	NCT0403FZC0	6.6	*	*	California	Non-EGR
1992	Caterpillar	NCT0403FZD1	6.6	*	*	California	Non-EGR
1992	Caterpillar	NCT0403FZE2	6.6	*	*	California	Non-EGR
1992	Caterpillar	NCT0403FZF3	6.6	*	*	California	Non-EGR
1992	Caterpillar	NCT0629FZD3	10.3	*	*	California	Non-EGR
1992	Caterpillar	NCT0638FPCX	10.5	*	*	California	Non-EGR
1992	Caterpillar	NCT0893FPB9	14.6	*	*	California	Non-EGR
1992	Caterpillar	NCT0893FZD4	14.6	*	*	California	Non-EGR
1992	Cummins	NCE0239FAA3	3.9	*	*	California	Non-EGR
1992	Cummins	NCE0239FAB4	3.9	*	*	California	Non-EGR
1992	Cummins	NCE0359FAA8	5.9	*	*	California	Non-EGR
1992	Cummins	NCE0359FAB9	5.9	*	*	California	Non-EGR
1992	Cummins	NCE0359FACX	5.9	*	*	California	Non-EGR
1992	Cummins	NCE0505FAA1	8.3	*	*	California	Non-EGR
1992	Cummins	NCE0505FAB2	8.3	*	*	California	Non-EGR
1992	Cummins	NCE0611FAA7	10.0	*	*	Federal	Non-EGR
1992	Cummins	NCE0611FAB8	10.0	*	*	Federal	Non-EGR
1992	Cummins	NCE0611FZA1	10.0	*	*	California	Non-EGR
1992	Cummins	NCE0611FZB2	10.0	*	*	California	Non-EGR
1992	Cummins	NCE0611FZC3	10.0	*	*	Federal	Non-EGR
1992	Cummins	NCE0611FZD4	10.0	*	*	California	Non-EGR
1992	Cummins	NCE0855FZA5	14.0	*	*	California	Non-EGR
1992	Cummins	NCE0855FZB6	14.0	*	*	California	Non-EGR
1992	Cummins	NCE0855FZC7	14.0	*	*	California	Non-EGR
1992	Cummins	NCE0855FZD8	14.0	*	*	California	Non-EGR
1992	Cummins	NCE0855FZE9	14.0	*	*	Federal	Non-EGR
1992	Cummins	NCE0855FZFX	14.0	*	*	California	Non-EGR
1992	Cummins	NCE0855FZG0	14.0	*	*	California	Non-EGR
1992	Detroit Diesel Corporation	NDD11.1FZA1	11.1	*	*	California	Non-EGR
1992	Detroit Diesel Corporation	NDD12.7FZA9	12.7	*	*	California	Non-EGR
1992	Ford	NFM07.8FPK7	7.8	*	*	California	Non-EGR
1992	General Motors	NGM06.2DAB1	6.2	*	*	California	Non-EGR
1992	General Motors	NGM06.5EAB5	6.5	*	*	California	Non-EGR
1992	Hino	NHM03.8FAAX	3.8	*	*	California	Non-EGR
1992	Hino	NHM06.5FAA5	6.5	*	*	California	Non-EGR
1992	International	NNV0360EPA4	5.9	*	*	Federal	Non-EGR
1992	International	NNV0360EPC6	5.9	*	*	California	Non-EGR
1992	International	NNV0360FPA7	5.9	*	*	Federal	Non-EGR
1992	International	NNV0360FPC9	5.9	*	*	California	Non-EGR
1992	International	NNV0466EPA1	7.6	*	*	California	Non-EGR
1992	International	NNV0466FPA4	7.6	*	*	Federal	Non-EGR
1992	International	NNV0466FPB5	7.6	*	*	Federal	Non-EGR
1992	International	NNV0466FPC6	7.6	*	*	California	Non-EGR
1992	International	NNV07.3DAA0	7.3	*	*	California	Non-EGR
1992	International	NNV07.3DAB1	7.3	*	*	Federal	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1992	Isuzu	NSZ0235FAAX	3.9	*	*	California	Non-EGR
1992	Isuzu	NSZ0396FAB7	6.5	*	*	California	Non-EGR
1992	Mack	NMT0728FAA6	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAB7	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAC8	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAD9	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAEX	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAF0	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAG1	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAH2	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAK7	11.9	*	*	California	Non-EGR
1992	Mack	NMT0728FAL8	11.9	*	*	California	Non-EGR
1992	Mack Trucks	NMT0728FAJ6	11.9	*	*	Federal	Non-EGR
1992	Mack Trucks	NMT0728FAM9	11.9	*	*	Federal	Non-EGR
1992	Mack Trucks	NMT0728FANX	11.9	*	*	Federal	Non-EGR
1992	Mercedes-Benz	NMB12.0FAA4	12.0	*	*	California	Non-EGR
1992	Mercedes-Benz	NMB5.96FAA2	6.0	*	*	California	Non-EGR
1992	Mitsubishi	NMM0238FAA0	3.9	*	*	California	Non-EGR
1992	Mitsubishi	NMM0302FAA0	4.9	*	*	California	Non-EGR
1992	Mitsubishi	NMM0460FAA6	7.5	*	*	California	Non-EGR
1992	Nissan	NND0254EAB1	4.2	*	*	California	Non-EGR
1992	Nissan	NND0423FAC9	6.9	*	*	California	Non-EGR
1992	Nissan	NND0452FAC9	7.4	*	*	California	Non-EGR
1992	Perkins	NPE0243FAJ9	4.0	*	*	California	Non-EGR
1992	Perkins	NPE0365FAA0	6.0	*	*	California	Non-EGR
1992	Renault	NRE0335FAA3	5.5	*	*	California	Non-EGR
1992	Renault	NRE0377FABX	6.2	*	*	California	Non-EGR
1992	Renault	NRE0377FAC0	6.2	*	*	California	Non-EGR
1992	Saab Scania	NSS0673FPA2	11.0	*	*	Federal	Non-EGR
1992	Volvo	NVT06.7FAA0	6.7	*	*	California	Non-EGR
1992	Volvo	NVT12.0FAAX	12.0	*	*	California	Non-EGR
1992	Volvo	NVT12.0FAB0	12.0	*	*	California	Non-EGR
1993	Caterpillar	PCT0403FZC9	6.6	*	*	California	Non-EGR
1993	Caterpillar	PCT0403FZDX	6.6	*	*	California	Non-EGR
1993	Caterpillar	PCT0403FZE0	6.6	*	*	California	Non-EGR
1993	Caterpillar	PCT0403FZF1	6.6	*	*	California	Non-EGR
1993	Caterpillar	PCT0629FZD1	10.3	*	*	California	Non-EGR
1993	Caterpillar	PCT0629FZE2	10.3	*	*	California	Non-EGR
1993	Caterpillar	PCT0638FPC8	10.5	*	*	California	Non-EGR
1993	Caterpillar	PCT0893FPB7	14.6	*	*	California	Non-EGR
1993	Caterpillar	PCT0893FZD2	14.6	*	*	California	Non-EGR
1993	Caterpillar	PCT0893FZE3	14.6	*	*	California	Non-EGR
1993	Cummins	PCE0239FAA1	3.9	*	*	California	Non-EGR
1993	Cummins	PCE0239FAB2	3.9	*	*	California	Non-EGR
1993	Cummins	PCE0359FAA6	5.9	*	*	California	Non-EGR
1993	Cummins	PCE0359FAB7	5.9	*	*	California	Non-EGR
1993	Cummins	PCE0359FAC8	5.9	*	*	California	Non-EGR
1993	Cummins	PCE0359FAD9	5.9	*	*	California	Non-EGR
1993	Cummins	PCE0359FDA1	5.9	*	DOC	California	Non-EGR
1993	Cummins	PCE0505FAAX	8.3	*	*	California	Non-EGR
1993	Cummins	PCE0505FAB0	8.3	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1993	Cummins	PCE0505FDA5	8.3	*	DOC	California	Non-EGR
1993	Cummins	PCE0505FDD8	8.3	*	DOC	California	Non-EGR
1993	Cummins	PCE0611FAA5	10.0	*	*	Federal	Non-EGR
1993	Cummins	PCE0611FZAX	10.0	*	*	California	Non-EGR
1993	Cummins	PCE0611FZB0	10.0	*	*	California	Non-EGR
1993	Cummins	PCE0611FZC1	10.0	*	*	Federal	Non-EGR
1993	Cummins	PCE0661FZA2	10.8	*	*	California	Non-EGR
1993	Cummins	PCE0661FZB3	10.8	*	*	California	Non-EGR
1993	Cummins	PCE0855FZA3	14.0	*	*	California	Non-EGR
1993	Cummins	PCE0855FZB4	14.0	*	*	California	Non-EGR
1993	Cummins	PCE0855FZC5	14.0	*	*	California	Non-EGR
1993	Cummins	PCE0855FZD6	14.0	*	*	California	Non-EGR
1993	Cummins	PCE0855FZE7	14.0	*	*	Federal	Non-EGR
1993	Cummins	PCE0855FZF8	14.0	*	*	California	Non-EGR
1993	Cummins	PCE0855FZG9	14.0	*	*	California	Non-EGR
1993	Cummins	PCE0855FZHx	14.0	*	*	California	Non-EGR
1993	Cummins	PCE0855FZK4	14.0	*	*	California	Non-EGR
1993	Detroit Diesel Corporation	PDD08.5FZB7	8.5	*	*	California	Non-EGR
1993	Detroit Diesel Corporation	PDD08.5FZK7	8.5	*	*	California	Non-EGR
1993	Detroit Diesel Corporation	PDD11.1FZAX	11.1	*	*	California	Non-EGR
1993	Detroit Diesel Corporation	PDD11.1FZD2	11.1	*	*	California	Non-EGR
1993	Detroit Diesel Corporation	PDD12.7FZA7	12.7	*	*	California	Non-EGR
1993	Detroit Diesel Corporation	PDD12.7FZDX	12.7	*	*	California	Non-EGR
1993	General Motors	PGM06.2DABX	6.2	*	*	California	Non-EGR
1993	General Motors	PGM06.5EAB3	6.5	*	*	California	Non-EGR
1993	Hino	PHM03.8FAA8	3.8	*	*	California	Non-EGR
1993	Hino	PHM06.5FAA3	6.5	*	*	California	Non-EGR
1993	International	PNV0360FPA5	5.9	*	*	Federal	Non-EGR
1993	International	PNV0360FPC7	5.9	*	*	California	Non-EGR
1993	International	PNV0408FPA2	6.7	*	*	California	Non-EGR
1993	International	PNV0408FPB3	6.7	*	*	California	Non-EGR
1993	International	PNV0466EPAX	7.6	*	*	California	Non-EGR
1993	International	PNV0466FPA2	7.6	*	*	Federal	Non-EGR
1993	International	PNV0466FPB3	7.6	*	*	Federal	Non-EGR
1993	International	PNV0466FPC4	7.6	*	*	California	Non-EGR
1993	International	PNV0466FPD5	7.6	*	*	California	Non-EGR
1993	International	PNV0466FPE6	7.6	*	*	California	Non-EGR
1993	International	PNV0466FPF7	7.6	*	*	California	Non-EGR
1993	International	PNV0530FPA2	8.7	*	*	California	Non-EGR
1993	International	PNV07.3DAA9	7.3	*	*	California	Non-EGR
1993	International	PNV07.3DABX	7.3	*	*	Federal	Non-EGR
1993	International	PNV07.3EPA2	7.3	*	*	California	Non-EGR
1993	Isuzu	PSZ0235FAA8	3.9	*	*	California	Non-EGR
1993	Isuzu	PSZ0396FAB5	6.5	*	*	California	Non-EGR
1993	Mack	PMT0728FAB5	11.9	*	*	California	Non-EGR
1993	Mack	PMT0728FAC6	11.9	*	*	California	Non-EGR
1993	Mack	PMT0728FAD7	11.9	*	*	California	Non-EGR
1993	Mack	PMT0728FAE8	11.9	*	*	California	Non-EGR
1993	Mack	PMT0728FAF9	11.9	*	*	California	Non-EGR
1993	Mack	PMT0728FAGX	11.9	*	*	California	Non-EGR
1993	Mack	PMT0728FAH0	11.9	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1993	Mack	PMT0728FAJ4	11.9	*	*	California	Non-EGR
1993	Mack	PMT0728FAL6	11.9	*	*	California	Non-EGR
1993	Mercedes-Benz	PMB12.0FAA2	12.0	*	*	California	Non-EGR
1993	Mercedes-Benz	PMB5.96FAA1	6.0	*	*	California	Non-EGR
1993	Mitsubishi	PMM0328FAA9	3.9	*	*	California	Non-EGR
1993	Mitsubishi	PMM0302FAA9	5.0	*	*	California	Non-EGR
1993	Mitsubishi	PMM0460FAA4	7.5	*	*	California	Non-EGR
1993	Nissan	PND0254EABX	4.2	*	*	California	Non-EGR
1993	Nissan	PND0423FAC7	6.9	*	*	California	Non-EGR
1993	Nissan	PND0452FAC7	7.4	*	*	California	Non-EGR
1993	Perkins	PPE0243FAK4	4.0	*	*	California	Non-EGR
1993	Perkins	PPE0365FAA9	6.0	*	*	California	Non-EGR
1993	Renault	PRE0335FAA0	6.2	*	*	California	Non-EGR
1993	Renault	PRE0377FAB8	6.2	*	*	California	Non-EGR
1993	Renault	PRE0377FAC9	6.2	*	*	California	Non-EGR
1993	Volvo	PVT06.7FAA9	6.7	*	*	California	Non-EGR
1993	Volvo	PVT12.0FAA8	12.0	*	*	California	Non-EGR
1993	Volvo	PVT12.0FAB9	12.0	*	*	California	Non-EGR
1994	Caterpillar	RCP403DZDAAA	6.6	*	DOC	California	Non-EGR
1994	Caterpillar	RCP403DZDABA	6.6	*	DOC	California	Non-EGR
1994	Caterpillar	RCP403DZDARW	6.6	*	*	Federal	Non-EGR
1994	Caterpillar	RCP403DZDASW	6.6	*	*	Federal	Non-EGR
1994	Caterpillar	RCP629EZDARA	10.3	*	*	California	Non-EGR
1994	Caterpillar	RCP638EZDARA	10.5	*	*	California	Non-EGR
1994	Caterpillar	RCP893EZDARA	14.6	*	*	California	Non-EGR
1994	Caterpillar	RCP893EZDASW	14.6	*	*	Federal	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	RCE359D6DARW	5.9	*	*	Federal	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	RCE505D6DARW	8.3	*	*	Federal	Non-EGR
1994	Cummins	RCE505F6DAAW	8.3	*	DOC	California	Non-EGR
1994	Cummins	RCE505F6DABW	8.3	*	*	Federal	Non-EGR
1994	Cummins	RCE611EGDARW	10.0	*	*	California	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	Cummins	RCE855EGDARW	14.0	*	*	Federal	Non-EGR
1994	Cummins	RCE855EGDASW	14.0	*	*	Federal	Non-EGR
1994	Cummins	RCE855EJDARW	14.0	*	*	California	Non-EGR
1994	Cummins	RCE855EJDASW	14.0	*	*	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	RDD12.EJDASW	12.7	*	*	Federal	Non-EGR
1994	Detroit Diesel Corporation	RDD8.5EJDARA	8.5	*	*	California	Non-EGR
1994	Detroit Diesel Corporation	RDD8.5EJDARW	8.5	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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	General Motors	RGM6.5C6DARW	6.5	*	*	California	Non-EGR
1994	Hino	RHM3.8C7DARW	3.8	*	*	California	Non-EGR
1994	Hino	RHM6.5D7DARW	6.5	*	*	California	Non-EGR
1994	Hino Motors	RHM3.8C6DARW	3.8	*	*	Federal	Non-EGR
1994	Hino Motors	RHM6.5D6DARW	6.5	*	*	Federal	Non-EGR
1994	International	RNV408D6DAAW	6.7	*	DOC	California	Non-EGR
1994	International	RNV408D6DARW	6.7	*	*	Federal	Non-EGR
1994	International	RNV408D6DASW	6.7	*	*	Federal	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	RNV466D6DABA	7.6	*	DOC	California	Non-EGR
1994	International	RNV466D6DARW	7.6	*	*	California	Non-EGR
1994	International	RNV466D6DASW	7.6	*	*	California	Non-EGR
1994	International	RNV466D6DATW	7.6	*	*	Federal	Non-EGR
1994	International	RNV530D6DAAA	8.7	*	DOC	California	Non-EGR
1994	International	RNV530D6DARW	8.7	*	*	Federal	Non-EGR
1994	International	RNV7.3C6DARW	7.3	*	*	Federal	Non-EGR
1994	International	RNV7.3C6DASW	7.3	*	*	Federal	Non-EGR
1994	International	RNV7.3C6DATW	7.3	*	*	Federal	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	RMK12.EJDARW	12.0	*	*	Federal	Non-EGR
1994	Mack Trucks	RMK728EGDARW	11.9	*	*	Federal	Non-EGR
1994	Mack Trucks	RMK728EGDASW	11.9	*	*	Federal	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
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	Renault	RR3377D6DARW	6.2	*	*	Federal	Non-EGR
1994	Renault	RR3377D8DARW	6.2	*	*	Federal	Non-EGR
1994	Renault	RR3377D8DASW	6.2	*	*	Federal	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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	SCP403DZDARW	6.6	*	*	Federal	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	Caterpillar	SCP893EZDARK	14.6	*	*	California	Non-EGR
1995	Caterpillar	SCP893EZDARW	14.6	*	*	Federal	Non-EGR
1995	Caterpillar	SCP893EZDASW	14.6	*	*	Federal	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	SCE359D6DARW	5.9	*	*	Federal	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	SCE505D6DARW	8.3	*	*	Federal	Non-EGR
1995	Cummins	SCE505F6DAAW	8.3	*	DOC	California	Non-EGR
1995	Cummins	SCE505F6DABW	8.3	*	DOC	Federal	Non-EGR
1995	Cummins	SCE611EGDARW	10.0	*	*	California	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	Cummins	SCE855EGDARW	14.0	*	*	Federal	Non-EGR
1995	Cummins	SCE855EJDARA	14.0	*	*	California	Non-EGR
1995	Cummins	SCE855EJDARB	14.0	*	*	California	Non-EGR
1995	Cummins	SCE855EJDARW	14.0	*	*	California	Non-EGR
1995	Cummins	SCE855EJDASW	14.0	*	*	California	Non-EGR
1995	Cummins	SCE855EJDATW	14.0	*	*	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	SDD12.EJDASW	12.7	*	*	Federal	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	General Motors	SGM6.5C6DARW	6.5	*	*	California	Non-EGR
1995	Hino	SHM3.8C7DARW	3.8	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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
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	SMK12.EJDARW	11.9	*	*	Federal	Non-EGR
1995	Mack Trucks	SMK12.EJDASW	11.9	*	*	Federal	Non-EGR
1995	Mack Trucks	SMK728EGDARW	11.9	*	*	Federal	Non-EGR
1995	Mack Trucks	SMK728EGDASW	11.9	*	*	Federal	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	Mitsubishi Motor	SMT302C7DARW	4.9	*	*	Federal	Non-EGR
1995	Mitsubishi Motor	SMT460D7DARW	7.5	*	*	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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
1996	Caterpillar	TCP442DZDAK	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	Caterpillar	TCP893EZDARK	14.6	*	*	California	Non-EGR
1996	Caterpillar	TCP893EZDARW	14.6	*	*	Federal	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
1996	Cummins	TCE359D6DABW	5.9	*	DOC	California	Non-EGR
1996	Cummins	TCE359D6DARW	5.9	*	*	Federal	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	TCE611EGDARW	10.0	*	*	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	Cummins	TCE855EJDARA	14.0	*	*	California	Non-EGR
1996	Cummins	TCE855EJDARB	14.0	*	*	California	Non-EGR
1996	Cummins	TCE855EJDARW	14.0	*	*	California	Non-EGR
1996	Cummins	TCE855EJDASW	14.0	*	*	California	Non-EGR
1996	Cummins	TCE855EJDATW	14.0	*	*	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.EJDASW	12.7	*	*	Federal	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	General Motors	TGM6.5C6DARW	6.5	*	*	Federal	Non-EGR
1996	Hino	THM3.8C7DARW	3.8	*	*	California	Non-EGR
1996	Hino	THM6.5D7DARW	6.5	*	*	California	Non-EGR
1996	Hino Motors	THM6.5D6DARW	6.5	*	*	Federal	Non-EGR
1996	International	TNV444C8D0RA	7.3	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
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.EJDARW	11.9	*	*	Federal	Non-EGR
1996	Mack Trucks	TMK12.EJDASW	11.9	*	*	Federal	Non-EGR
1996	Mack Trucks	TMK12.EJDATW	11.9	*	*	Federal	Non-EGR
1996	Mack Trucks	TMK728EGDARW	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
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	Caterpillar	VCP893EZDARA	14.6	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1997	Caterpillar	VCP893EZDARX	14.6	*	*	California	Non-EGR
1997	Cummins	VCE239D6DAAA	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	VCE359D6DARW	5.9	*	*	Federal	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	VCE505D6DARW	8.3	*	*	Federal	Non-EGR
1997	Cummins	VCE505F6DAAW	8.3	*	DOC	Federal	Non-EGR
1997	Cummins	VCE505F6DABW	8.3	*	DOC	Federal	Non-EGR
1997	Cummins	VCE611EGDARW	10.0	*	*	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	Cummins	VCE855EJDARA	14.0	*	*	California	Non-EGR
1997	Cummins	VCE855EJDARB	14.0	*	*	California	Non-EGR
1997	Cummins	VCE855EJDARC	14.0	*	*	California	Non-EGR
1997	Cummins	VCE855EJDATW	14.0	*	*	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
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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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.EJDARW	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	VMK602E6DARW	9.9	*	*	Federal	Non-EGR
1997	Mack Trucks	VMK728EGDARW	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
1998	Caterpillar	WCPXH0638MRW	10.5	*	*	Federal	Non-EGR
1998	Caterpillar	WCPXH0729ERK	11.9	*	*	California	Non-EGR
1998	Caterpillar	WCPXH0893ERK	14.6	*	*	California	Non-EGR
1998	Caterpillar	WCPXH0893MRW	14.6	*	*	Federal	Non-EGR
1998	Cummins	WCEXH0239BAA	3.9	*	DOC	Federal	Non-EGR
1998	Cummins	WCEXH0359BAB	5.9	*	DOC	Federal	Non-EGR
1998	Cummins	WCEXH0359BAC	5.9	*	*	Federal	Non-EGR
1998	Cummins	WCEXH0359BAD	5.9	*	*	California	Non-EGR
1998	Cummins	WCEXH0359BAE	5.9	*	*	California	Non-EGR
1998	Cummins	WCEXH0359BAG	5.9	*	*	Federal	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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment DOC ¹	Certification	Type
1998	Cummins	WCEXH0611LAA	10.0	*	*	Federal	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	Cummins	WCEXH0855NAA	14.0	*	*	California	Non-EGR
1998	Cummins	WCEXH0855NAB	14.0	*	*	California	Non-EGR
1998	Cummins	WCEXH0855NAC	14.0	*	*	California	Non-EGR
1998	Cummins	WCEXH0912XAA	14.9	*	*	California	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	Mack Trucks	WMKXH0728V43	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
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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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	Caterpillar	XCPXH0893ERK	14.6	*	*	California	Non-EGR
1999	Caterpillar	XCPXH0893MRW	14.6	*	*	Federal	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	XCEXH0855NAD	14.0	*	*	California	Non-EGR
1999	Cummins	XCEXH0855NAE	14.0	*	*	California	Non-EGR
1999	Cummins	XCEXH0855NAF	14.0	*	*	California	Non-EGR
1999	Cummins	XCEXH0912XAB	14.9	*	*	California	Non-EGR
1999	Cummins	XCEXH0912XAD	14.9	*	*	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	Detroit Diesel Corporation	XDDXH14.0ELL	14.0	*	*	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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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
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	Caterpillar	YCPXH0893ERK	14.6	*	*	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	Cummins	YCEXH0855NAD	14.0	*	*	California	Non-EGR
2000	Cummins	YCEXH0855NAE	14.0	*	*	California	Non-EGR
2000	Cummins	YCEXH0855NAF	14.0	*	*	California	Non-EGR
2000	Cummins	YCEXH0912XAC	14.9	*	*	California	Non-EGR
2000	Cummins	YCEXH0912XAD	14.9	*	*	California	Non-EGR
2000	Cummins	YCEXH0912XAE	14.9	*	*	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	Detroit Diesel Corporation	YDDXH14.0ELL	14.0	*	*	California	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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
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	Mack Trucks	YMKXH11.9H56	11.9	*	*	Federal	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	Caterpillar	1CPXH0893ERK	14.6	*	*	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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2001	Cummins	1CEXH0505CAM	8.3	*	DOC	California	Non-EGR
2001	Cummins	1CEXH0505CAN	8.3	*	*	California	Non-EGR
2001	Cummins	1CEXH0505CAO	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	Cummins	1CEXH0855NAD	14.0	*	*	California	Non-EGR
2001	Cummins	1CEXH0855NAE	14.0	*	*	California	Non-EGR
2001	Cummins	1CEXH0855NAF	14.0	*	*	California	Non-EGR
2001	Cummins	1CEXH0912XAC	14.9	*	*	California	Non-EGR
2001	Cummins	1CEXH0912XAD	14.9	*	*	California	Non-EGR
2001	Cummins	1CEXH0912XAE	14.9	*	*	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
2001	Detroit Diesel Corporation	1DDXH08.5FJY	8.5	*	DOC	California	EGR
2001	Detroit Diesel Corporation	1DDXH12.7EGL	12.7	*	*	California	Non-EGR
2001	Detroit Diesel Corporation	1DDXH14.0ELL	14.0	*	*	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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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
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	Caterpillar	2CPXH0893EBX	14.6	*	DOC	California	Non-EGR
2002	Caterpillar	2CPXH0893ERK	14.6	*	*	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	Cummins	2CEXH0855NAA	14.0	*	*	California	Non-EGR
2002	Cummins	2CEXH0912XAF	14.9	*	*	California	Non-EGR
2002	Cummins	2CEXH0912XAG	14.9	*	*	California	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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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	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	Detroit Diesel Corporation	2DDXH14.0ELL	14.0	*	*	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	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
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	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	EGR
2002	Renault	2R3XH0377CNA	6.2	*	*	California	EGR
2002	Scania	2Y9XH10.6106	10.6	*	*	Federal	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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	ACERT
2003	Caterpillar	3CPXH0442HBX	7.2	*	DOC	California	ACERT
2003	Caterpillar	3CPXH0629EBV	10.3	*	DOC	California	ACERT
2003	Caterpillar	3CPXH0629EBX	10.3	*	DOC	California	ACERT
2003	Caterpillar	3CPXH0729EBV	11.9	*	DOC	California	ACERT
2003	Caterpillar	3CPXH0729EBX	11.9	*	DOC	California	ACERT
2003	Caterpillar	3CPXH0893EBV	14.6	*	DOC	California	ACERT
2003	Cummins	3CEXH0239BAD	3.9	*	*	California	Non-EGR
2003	Cummins	3CEXH0359BAE	5.9	*	*	Federal	Non-EGR
2003	Cummins	3CEXH0359BAG	5.9	*	*	California	EGR
2003	Cummins	3CEXH0359BAH	5.9	*	*	California	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	EGR
2003	Cummins	3CEXH0661MAU	10.8	*	*	California	EGR
2003	Cummins	3CEXH0912XAH	14.9	*	*	California	EGR
2003	Cummins	3CEXH0912XAJ	14.9	*	*	California	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
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	EGR
2003	Detroit Diesel Corporation	3DDXH12.7FGY	12.7	*	*	Federal	Non-EGR
2003	Detroit Diesel Corporation	3DDXH14.0ELY	14.0	*	*	California	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	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

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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	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	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	EGR
2003	Mack	3MKXH11.9H70	11.9	*	*	California	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	EGR
2004	Caterpillar	4CPXH0442HBK	7.2	*	DOC	California	ACERT
2004	Caterpillar	4CPXH0537HBK	8.8	*	DOC	California	ACERT
2004	Caterpillar	4CPXH0537HBX	8.8	*	DOC	California	ACERT
2004	Caterpillar	4CPXH0680EBK	11.1	*	DOC	California	ACERT
2004	Caterpillar	4CPXH0763EBK	12.5	*	DOC	California	ACERT
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	EGR
2004	Cummins	4CEXH0359BAH	5.9	*	*	California	EGR
2004	Cummins	4CEXH0505CAR	8.3	*	*	California	Non-EGR
2004	Cummins	4CEXH0505CAS	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	EGR
2004	Cummins	4CEXH0661MAU	10.8	*	*	California	EGR
2004	Cummins	4CEXH0661MAV	10.8	*	DOC	Federal	Non-EGR
2004	Cummins	4CEXH0912XAH	14.9	*	*	California	EGR
2004	Cummins	4CEXH0912XAJ	14.9	*	*	California	EGR
2004	DaimlerChrysler	4MBXH12.8DJA	12.8	*	*	California	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	EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
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	EGR
2004	Detroit Diesel Corporation	4DDXH14.0ELY	14.0	*	*	California	EGR
2004	General Engine Products	4GEPH06.5527	6.5	*	DOC	California	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	EGR
2004	Hino	4HMXH07.7JTB	7.7	*	DOC	California	EGR
2004	International	4NVXH0365AEB	6.0	*	DOC	California	EGR
2004	International	4NVXH0365FEC	6.0	*	DOC	Federal	Non-EGR
2004	International	4NVXH0466AEA	7.6	*	DOC	California	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	EGR
2004	International	4NVXH06.0AEB	6.0	*	DOC	California	EGR
2004	Isuzu	4SZXH05.23AA	5.2	*	DOC	California	Non-EGR
2004	Isuzu	4SZXH06.64AA	6.6	*	DOC	California	EGR
2004	Isuzu	4SZXH06.64AW	6.6	*	DOC	California	EGR
2004	Isuzu	4SZXH07.84RA	7.8	*	*	California	EGR
2004	Isuzu	4SZXH07.84RW	7.8	*	*	California	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	EGR
2004	Mack	4MKXH11.9H70	11.9	*	*	California	EGR
2004	Mack	4MKXH11.9H73	11.9	*	*	California	EGR
2004	Volvo	4VTXH12.150S	12.1	*	*	California	EGR
2005	Caterpillar	5CPXH0442HBK	7.2	*	DOC	California	ACERT
2005	Caterpillar	5CPXH0537HBK	8.8	*	DOC	California	ACERT
2005	Caterpillar	5CPXH0680EBK	11.1	*	DOC	California	ACERT
2005	Caterpillar	5CPXH0763EBK	12.5	*	DOC	California	ACERT
2005	Cummins	5CEXH0359BAA	5.9	*	DOC	Federal	Non-EGR
2005	Cummins	5CEXH0359BAB	5.9	*	DOC	California	EGR
2005	Cummins	5CEXH0359BAD	5.9	*	DOC	Federal	Non-EGR
2005	Cummins	5CEXH0359BAF	5.9	*	*	California	EGR
2005	Cummins	5CEXH0359BAG	5.9	*	*	California	EGR
2005	Cummins	5CEXH0359BAH	5.9	*	*	California	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	EGR
2005	Cummins	5CEXH0661MAU	10.8	*	*	California	EGR
2005	Cummins	5CEXH0661MAV	10.8	*	DOC	Federal	Non-EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2005	Cummins	5CEXH0661MAX	10.8	*	*	California	EGR
2005	Cummins	5CEXH0912XAH	14.9	*	*	California	EGR
2005	Cummins	5CEXH0912XAJ	14.9	*	*	California	EGR
2005	DaimlerChrysler	5MBXH12.8DJA	12.8	*	*	California	EGR
2005	DaimlerChrysler	5MBXH4.25DJA	4.3	*	*	California	Non-EGR
2005	DaimlerChrysler	5MBXH6.37DJA	6.4	*	*	California	EGR
2005	DaimlerChrysler	5MBXH7.20DJA	7.2	4.8	*	California	EGR
2005	Detroit Diesel Corporation	5DDXH08.5FJY	8.5	*	DOC	Federal	Non-EGR
2005	Detroit Diesel Corporation	5DDXH12.7EGY	12.7	*	*	California	EGR
2005	Detroit Diesel Corporation	5DDXH14.0ELY	14.0	*	*	California	EGR
2005	General Engine Products	5GEPH06.5CRD	6.5	*	DOC	Federal	Non-EGR
2005	General Motors	5GMXH06.6592	6.6	*	DOC	California	EGR
2005	General Motors	5GMXH06.6593	6.6	*	DOC	California	EGR
2005	Hino	5HMXH04.7JTA	4.7	*	DOC	California	Non-EGR
2005	Hino	5HMXH07.7JTA	7.7	*	DOC	California	EGR
2005	Hino	5HMXH07.7JTB	7.7	*	DOC	California	EGR
2005	International	5NVXH0275AEA	4.5	*	DOC	California	Non-EGR
2005	International	5NVXH0365AEC	6.0	*	DOC	California	EGR
2005	International	5NVXH0466AEA	7.6	*	DOC	California	EGR
2005	International	5NVXH0570AEA	9.3	*	DOC	California	EGR
2005	International	5NVXH06.0AEC	6.0	*	DOC	California	EGR
2005	Isuzu	5SZXH05.23AB	5.2	*	DOC	California	Non-EGR
2005	Isuzu	5SZXH07.84RA	7.8	*	*	California	EGR
2005	Isuzu	5SZXH07.84RB	7.8	*	*	California	EGR
2005	Isuzu	5SZXH07.84RW	7.8	*	*	California	EGR
2005	Mack	5MKXH11.9H70	11.9	*	*	California	EGR
2005	Mack	5MKXH11.9H73	11.9	*	*	California	EGR
2005	Mitsubishi Fuso	5MFTH04.9M5A	4.9	*	DOC	California	Non-EGR
2005	Mitsubishi Fuso	5MFTH07.5M6A	7.5	*	DOC	California	EGR
2005	Volvo	5VTXH12.150S	12.1	*	*	California	EGR
2006	Caterpillar	6CPXH0442HBK	7.2	*	DOC	California	ACERT
2006	Caterpillar	6CPXH0537HBK	8.8	*	DOC	California	ACERT
2006	Caterpillar	6CPXH0680EBK	11.1	*	DOC	California	ACERT
2006	Caterpillar	6CPXH0763EBK	12.5	*	DOC	California	ACERT
2006	Cummins	6CEXH0359BAA	5.9	*	DOC	Federal	Non-EGR
2006	Cummins	6CEXH0359BAB	5.9	*	DOC	California	EGR
2006	Cummins	6CEXH0359BAD	5.9	*	DOC	Federal	Non-EGR
2006	Cummins	6CEXH0359BAF	5.9	*	*	California	EGR
2006	Cummins	6CEXH0359BAG	5.9	*	*	California	EGR
2006	Cummins	6CEXH0359BAH	5.9	*	*	California	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	EGR
2006	Cummins	6CEXH0661MAU	10.8	*	*	California	EGR
2006	Cummins	6CEXH0661MAV	10.8	*	DOC	Federal	Non-EGR
2006	Cummins	6CEXH0661MAX	10.8	*	*	California	EGR
2006	Cummins	6CEXH0912XAH	14.9	*	*	California	EGR

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

Model Year	Manufacturer	Engine Family	Displacement (L)		Original Equipment	Certification	Type
					DOC ¹		
2006	Cummins	6CEXH0912XAJ	14.9	*	*	California	EGR
2006	DaimlerChrysler	6MBXH12.8DJA	12.8	*	*	California	EGR
2006	DaimlerChrysler	6MBXH4.25DJA	4.3	*	*	California	Non-EGR
2006	DaimlerChrysler	6MBXH6.37DJA	6.4	*	*	California	EGR
2006	DaimlerChrysler	6MBXH7.20DJA	7.2	4.8	*	California	EGR
2006	Detroit Diesel Corporation	6DDXH12.7EGY	12.7	*	*	California	EGR
2006	Detroit Diesel Corporation	6DDXH14.0ELY	14.0	*	*	California	EGR
2006	General Motors	6GMXH06.6590	6.6	*	DOC	California	EGR
2006	General Motors	6GMXH06.6591	6.6	*	DOC	California	EGR
2006	Hino	6HMXH04.7JTA	4.7	*	DOC	California	Non-EGR
2006	Hino	6HMXH07.7JTA	7.7	*	DOC	California	EGR
2006	Hino	6HMXH07.7JTB	7.7	*	DOC	California	EGR
2006	International	6NVXH0275AEA	4.5	*	DOC	California	Non-EGR
2006	International	6NVXH0365AEC	6.0	*	DOC	California	EGR
2006	International	6NVXH0466AEA	7.6	*	DOC	California	EGR
2006	International	6NVXH0570AEA	9.3	*	DOC	California	EGR
2006	International	6NVXH06.0AEC	6.0	*	DOC	California	EGR
2006	Isuzu	6SZXH05.23AB	5.2	*	DOC	California	Non-EGR
2006	Isuzu	6SZXH07.84RA	7.8	*	*	California	EGR
2006	Isuzu	6SZXH07.84RW	7.8	*	*	California	EGR
2006	Isuzu Motors	6SZXH07.84RW	7.8	*	*	Federal	EGR
2006	Mack	6MKXH10.8C02	10.8	*	*	California	EGR
2006	Mack	6MKXH11.9H70	11.9	*	*	California	EGR
2006	Mack	6MKXH11.9H73	11.9	*	*	California	EGR
2006	Mitsubishi Fuso	6MFTH04.9M5A	4.9	*	DOC	California	Non-EGR
2006	Mitsubishi Fuso	6MFTH07.5M6A	7.5	*	DOC	California	EGR
2006	Mitsubishi Fuso	6MFTH07.5M6B	7.5	*	DOC	Federal	Non-EGR
2006	Volvo	6VTXH12.150S	12.1	*	*	California	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.

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