

ATTACHMENT 1
Executive Order DE-07-002-02

ARB-Approved Engine Families for the Johnson Matthey reformulated CRT™ system

Model Year	Engine Family	Series / Model	Engine Manufacturer
1994	RCP403DZDAAA	--	Caterpillar
1994	RCP403DZDABA	--	Caterpillar
1994	RCP629EZDARA	--	Caterpillar
1994	RCP638EZDARA	--	Caterpillar
1994	RCP893EZDARA	--	Caterpillar
1995	SCP403DZDAAA	--	Caterpillar
1995	SCP403DZDABA	--	Caterpillar
1995	SCP403DZDARK	--	Caterpillar
1995	SCP442DZDARK	3126	Caterpillar
1995	SCP629EZDARK	--	Caterpillar
1995	SCP629EZDARM	C-10, 3176	Caterpillar
1995	SCP638EZDARA	--	Caterpillar
1995	SCP729EZDARL	C-12	Caterpillar
1995	SCP893EZDARK	--	Caterpillar
1996	TCP403DZDAAA	3116	Caterpillar
1996	TCP403DZDABA	3116	Caterpillar
1996	TCP403DZDARK	3116	Caterpillar
1996	TCP442DZDAAK	3126	Caterpillar
1996	TCP442DZDARK	3126	Caterpillar
1996	TCP629EZDARK	3176	Caterpillar
1996	TCP629EZDARM	C-10	Caterpillar
1996	TCP638EZDARA	3306	Caterpillar
1996	TCP729EZDARL	C-12	Caterpillar
1996	TCP893EZDARK	3406	Caterpillar
1997	VCP403DZDAAA	3116	Caterpillar
1997	VCP403DZDABA	3116	Caterpillar
1997	VCP403DZDARK	3116	Caterpillar
1997	VCP442DZDAAK	3126	Caterpillar
1997	VCP442DZDARK	3126	Caterpillar
1997	VCP629EZDARK	3176	Caterpillar
1997	VCP629EZDARX	C-10	Caterpillar
1997	VCP638EZDARA	3306	Caterpillar
1997	VCP729EZDARX	C-12	Caterpillar
1997	VCP893EZDARA	3406	Caterpillar
1997	VCP893EZDARX	3406	Caterpillar
1997	VCP967EZDARK	3406	Caterpillar
1998	WCPXH0442HRK	3126	Caterpillar
1998	WCPXH0442HSK	3126	Caterpillar
1998	WCPXH0629ERK	C-10	Caterpillar
1998	WCPXH0729ERK	C-12	Caterpillar
1998	WCPXH0893ERK	3406	Caterpillar
1998	WCPXH0967ERK	3406	Caterpillar
1999	XCPXH0442HRK	3126	Caterpillar
1999	XCPXH0442HSK	3126	Caterpillar
1999	XCPXH0629ERK	C10	Caterpillar

1999	XCPXH0729ERK	C12	Caterpillar
1999	XCPXH0893ERK	3406	Caterpillar
1999	XCPXH0967ERK	3406	Caterpillar
2000	YCPXH0442HRK	3126	Caterpillar
2000	YCPXH0629ERK	C-10	Caterpillar
2000	YCPXH0729ERK	C-12	Caterpillar
2000	YCPXH0893ERK	C-15	Caterpillar
2000	YCPXH0967ERK	C-16	Caterpillar
2001	1CPXH0442HAK	3126	Caterpillar
2001	1CPXH0442HBK	3126	Caterpillar
2001	1CPXH0442HRK	3126	Caterpillar
2001	1CPXH0629ERK	C-10	Caterpillar
2001	1CPXH0729ERK	C-12	Caterpillar
2001	1CPXH0893ERK	C-15	Caterpillar
2001	1CPXH0967ERK	C-16	Caterpillar
2002	2CPXH0442HAK	3126	Caterpillar
2002	2CPXH0442HBX	3126	Caterpillar
2002	2CPXH0442HRK	3126	Caterpillar
2002	2CPXH0629ERK	C-10	Caterpillar
2002	2CPXH0729ERK	C-12	Caterpillar
2002	2CPXH0893ERK	C-15	Caterpillar
2002	2CPXH0967ERK	C-16	Caterpillar
2003	3CPXH0442HBX	3126	Caterpillar
2003	3CPXH0442HBV	3126	Caterpillar
2003	3CPXH0629EBV	C-10	Caterpillar
2003	3CPXH0629EBV	C-10	Caterpillar
2003	3CPXH0629EBX	C-10	Caterpillar
2003	3CPXH0729EBV	C-12	Caterpillar
2003	3CPXH0893EBV	C-15	Caterpillar
2004	4CPXH0442HBK	C7	Caterpillar
2004	4CPXH0537HBK	C9	Caterpillar
2004	4CPXH0537HBX	C9	Caterpillar
2004	4CPXH0680EBK	C-11	Caterpillar
2004	4CPXH0763EBK	C-13	Caterpillar
2004	4CPXH0929EBK	C-15	Caterpillar
2005	5CPXH0442HBK	C7	Caterpillar
2005	5CPXH0537HBK	C9	Caterpillar
2005	5CPXH0680EBK	C-11	Caterpillar
2005	5CPXH0763EBK	C-13	Caterpillar
2006	6CPXH0442HBK	C7	Caterpillar
2006	6CPXH0537HBK	C9	Caterpillar
2006	6CPXH0680EBK	C-11	Caterpillar
2006	6CPXH0763EBK	C-13	Caterpillar
2006	6CPXH0928EBK	C-15	Caterpillar
1994	RCE359D6DAAB	B5.9	Cummins
1994	RCE359D6DAAW	B5.9	Cummins
1994	RCE359D6DABW	B5.9	Cummins
1994	RCE505D6DAAA	C8.3	Cummins
1994	RCE505D6DAAB	C8.3	Cummins
1994	RCE505D6DAAC	C8.3	Cummins
1994	RCE505F6DAAW	C8.3	Cummins
1994	RCE611EGDARW	L10	Cummins

1994	RCE661EJDARA	M11	Cummins
1994	RCE661EJDARC	M11	Cummins
1994	RCE661EJDARW	M11	Cummins
1994	RCE661FJDAAA	M11	Cummins
1994	RCE855EJDARW	N14	Cummins
1994	RCE855EJDASW	N14	Cummins
1995	SCE239D6DAAA	B3.9	Cummins
1995	SCE359D6DAAA	B5.9	Cummins
1995	SCE359D6DAAW	B5.9	Cummins
1995	SCE359D6DABW	B5.9	Cummins
1995	SCE505D6DAAA	C8.3	Cummins
1995	SCE505D6DAAW	C8.3	Cummins
1995	SCE505D6DABW	C8.3	Cummins
1995	SCE505F6DAAW	C8.3	Cummins
1995	SCE611EGDARW	L10	Cummins
1995	SCE661EJDARA	M11	Cummins
1995	SCE661EJDARC	M11	Cummins
1995	SCE661EJDARW	M11	Cummins
1995	SCE661EJDASW	M11	Cummins
1995	SCE661EJDATW	M11	Cummins
1995	SCE661FJDAAA	M11	Cummins
1995	SCE855EJDARA	N14	Cummins
1995	SCE855EJDARB	N14	Cummins
1995	SCE855EJDARW	N14	Cummins
1995	SCE855EJDASW	N14	Cummins
1995	SCE855EJDATW	N14	Cummins
1996	TCE239D6DAAA	B3.9	Cummins
1996	TCE359D6DAAA	B5.9	Cummins
1996	TCE359D6DABW	B5.9	Cummins
1996	TCE505D6DAAA	C8.3	Cummins
1996	TCE505D6DAAW	C8.3	Cummins
1996	TCE505D6DABW	C8.3	Cummins
1996	TCE661EJDARA	M11	Cummins
1996	TCE661EJDARB	M11	Cummins
1996	TCE661EJDARC	M11	Cummins
1996	TCE661EJDARW	M11	Cummins
1996	TCE661EJDASW	M11	Cummins
1996	TCE661EJDATW	M11	Cummins
1996	TCE661FJDABA	M11	Cummins
1996	TCE855EJDARA	N14	Cummins
1996	TCE855EJDARB	N14	Cummins
1996	TCE855EJDARW	N14	Cummins
1996	TCE855EJDASW	N14	Cummins
1996	TCE855EJDATW	N14	Cummins
1997	VCE239D6DAAA	B3.9	Cummins
1997	VCE359D6DAAA	B5.9	Cummins
1997	VCE359D6DABW	B5.9	Cummins
1997	VCE359DJDARA	--	Cummins
1997	VCE505D6DAAA	C8.3	Cummins
1997	VCE505D6DAAW	C8.3	Cummins
1997	VCE505D6DABW	C8.3	Cummins
1997	VCE661EJDARB	M11	Cummins

1997	VCE661EJDARC	M11	Cummins
1997	VCE661EJDASA	M11	Cummins
1997	VCE661EJDATW	M11	Cummins
1997	VCE661FJDABA	M11	Cummins
1997	VCE855EJDARA	N14	Cummins
1997	VCE855EJDARB	N14	Cummins
1997	VCE855EJDARC	N14	Cummins
1997	VCE855EJDATW	N14	Cummins
1998	WCEXA0359BAH	ISB	Cummins
1998	WCEXH0359BAD	ISB	Cummins
1998	WCEXH0359BAE	ISB	Cummins
1998	WCEXH0505CAC	ISC	Cummins
1998	WCEXH0505CAD	ISC	Cummins
1998	WCEXH0505CAE	ISC	Cummins
1998	WCEXH0505CAF	ISC	Cummins
1998	WCEXH0661MAA	M11	Cummins
1998	WCEXH0661MAB	M11	Cummins
1998	WCEXH0661MAC	M11	Cummins
1998	WCEXH0661MAD	ISM	Cummins
1998	WCEXH0661MAE	ISM	Cummins
1998	WCEXH0855NAA	N14	Cummins
1998	WCEXH0855NAB	N14	Cummins
1998	WCEXH0855NAC	N14	Cummins
1998	WCEXH0912XAA	Signature	Cummins
1999	XCEXH0359BAI	ISB	Cummins
1999	XCEXH0359BAJ	ISB	Cummins
1999	XCEXH0359BAK	ISB	Cummins
1999	XCEXA0359BAN	ISB	Cummins
1999	XCEXA0359BAT	ISB	Cummins
1999	XCEXH0505CAC	ISC	Cummins
1999	XCEXH0505CAD	ISC	Cummins
1999	XCEXH0505CAE	ISC	Cummins
1999	XCEXH0505CAF	ISC	Cummins
1999	XCEXH0661MAC	M11	Cummins
1999	XCEXH0661MAG	ISM	Cummins
1999	XCEXH0661MAH	ISM	Cummins
1999	XCEXH0661MAI	ISM	Cummins
1999	XCEXH0855NAD	N14	Cummins
1999	XCEXH0855NAE	N14	Cummins
1999	XCEXH0855NAF	N14	Cummins
1999	XCEXH0912XAB	Signature	Cummins
1999	XCEXH0912XAD	ISX	Cummins
2000	YCEXH0359BAI	ISB	Cummins
2000	YCEXH0359BAO	ISB	Cummins
2000	YCEXH0359BAP	ISB	Cummins
2000	YCEXA0359BAZ	ISB	Cummins
2000	YCEXH0505CAF	ISC	Cummins
2000	YCEXH0505CAG	ISC	Cummins
2000	YCEXH0505CAH	ISC	Cummins
2000	YCEXH0505CAI	ISC	Cummins
2000	YCEXH0540LAA	ISL	Cummins
2000	YCEXH0661MAG	ISM	Cummins

2000	YCEXH0661MAH	ISM	Cummins
2000	YCEXH0661MAI	ISM	Cummins
2000	YCEXH0855NAD	N14	Cummins
2000	YCEXH0855NAE	N14	Cummins
2000	YCEXH0855NAF	N14	Cummins
2000	YCEXH0912XAC	ISX	Cummins
2000	YCEXH0912XAD	ISX	Cummins
2000	YCEXH0912XAE	Signature, ISX	Cummins
2001	1CEXA0359BAZ	ISB	Cummins
2001	1CEXH0239BAD	ISB	Cummins
2001	1CEXH0239BAE	ISB	Cummins
2001	1CEXH0359BAO	ISB	Cummins
2001	1CEXH0359BAU	ISB	Cummins
2001	1CEXH0359BAV	ISB	Cummins
2001	1CEXH0505CAM	ISC	Cummins
2001	1CEXH0505CAN	ISC	Cummins
2001	1CEXH0505CAO	ISC	Cummins
2001	1CEXH0505CAP	ISC	Cummins
2001	1CEXH0540LAA	ISL	Cummins
2001	1CEXH0540LAB	ISL	Cummins
2001	1CEXH0540LAC	ISL	Cummins
2001	1CEXH0661MAP	ISM	Cummins
2001	1CEXH0661MAQ	ISM	Cummins
2001	1CEXH0661MAR	ISM	Cummins
2001	1CEXH0855NAD	N14	Cummins
2001	1CEXH0855NAE	N14	Cummins
2001	1CEXH0855NAF	N14	Cummins
2001	1CEXH0912XAC	ISX	Cummins
2001	1CEXH0912XAD	ISX	Cummins
2001	1CEXH0912XAE	Signature, ISX	Cummins
2002	2CEXA0359BAZ	ISB	Cummins
2002	2CEXH0239BAD	ISB	Cummins
2002	2CEXH0239BAE	ISB	Cummins
2002	2CEXH0359BAB	ISB	Cummins
2002	2CEXH0359BAO	ISB	Cummins
2002	2CEXH0505CAM	ISC	Cummins
2002	2CEXH0505CAN	ISC	Cummins
2002	2CEXH0505CAQ	ISC	Cummins
2002	2CEXH0540LAB	ISL	Cummins
2002	2CEXH0540LAC	ISL	Cummins
2002	2CEXH0661MAP	ISM	Cummins
2002	2CEXH0661MAS	ISM	Cummins
2002	2CEXH0855NAA	N14	Cummins
2002	2CEXH0912XAF	ISX	Cummins
2003	3CEXA0359BAF	ISB	Cummins
2003	3CEXH0239BAD	ISB	Cummins
2003	3CEXH0505CAN	ISC	Cummins
2003	3CEXH0505CAQ	ISC	Cummins
2003	3CEXH0540LAC	ISL	Cummins
2003	3CEXH0912XAJ	ISX	Cummins
2004	4CEXA0359BAE	ISB	Cummins
2004	4CEXH0505CAR	ISC	Cummins

2004	4CEXH0505CAS	ISC	Cummins
2004	4CEXH0540LAE	ISL	Cummins
1994	RDD11.EJDARA	Series 60	Detroit Diesel Corporation
1994	RDD12.EJDARA	Series 60	Detroit Diesel Corporation
1994	RDD8.5EJDARA	Series 50	Detroit Diesel Corporation
1994	RDD8.5EJDARW	Series 50	Detroit Diesel Corporation
1994	RDD8.5FJDABA	Series 50	Detroit Diesel Corporation
1995	SDD11.EJDARA	Series 60	Detroit Diesel Corporation
1995	SDD12.EJDARA	Series 60	Detroit Diesel Corporation
1995	SDD8.5EJDABA	Series 50	Detroit Diesel Corporation
1995	SDD8.5EJDARA	Series 50	Detroit Diesel Corporation
1995	SDD8.5EJDARW	Series 50	Detroit Diesel Corporation
1996	TDD11.EJDARA	Series 60	Detroit Diesel Corporation
1996	TDD12.EJDARA	Series 60	Detroit Diesel Corporation
1996	TDD12.EJDATW	Series 55	Detroit Diesel Corporation
1996	TDD8.5EJDARA	Series 50	Detroit Diesel Corporation
1996	TDD8.5EJDARW	Series 50	Detroit Diesel Corporation
1996	TDD8.5FJDABA	Series 50	Detroit Diesel Corporation
1997	VDD11.EJDARA	Series 60	Detroit Diesel Corporation
1997	VDD12.EJDARA	Series 60	Detroit Diesel Corporation
1997	VDD12.EJDATA	Series 55	Detroit Diesel Corporation
1997	VDD3.8C8DABA	Series VM 638	Detroit Diesel Corporation
1997	VDD8.5EJDARA	Series 50	Detroit Diesel Corporation
1997	VDD8.5FJDABA	Series 50	Detroit Diesel Corporation
1998	WDDXH11.1EHD	Series 60	Detroit Diesel Corporation
1998	WDDXH12.7EGD	Series 60	Detroit Diesel Corporation
1998	WDDXH08.5EJD	Series 50	Detroit Diesel Corporation
1998	WDDXH08.5FJC	Series 50	Detroit Diesel Corporation
1998	WDDXH03.8C1C	Turbotronic 638	Detroit Diesel Corporation
1999	XDDXH11.1EHL	Series 60	Detroit Diesel Corporation
1999	XDDXH12.7EGL	Series 60	Detroit Diesel Corporation
1999	XDDXH14.0ELL	Series 60	Detroit Diesel Corporation
1999	XDDXH08.5EJL	Series 50	Detroit Diesel Corporation
1999	XDDXH08.5FJN	Series 50	Detroit Diesel Corporation
1999	XDDXH03.8C1N	-	Detroit Diesel Corporation
2000	YDDXH12.7EGL	Series 60	Detroit Diesel Corporation
2000	YDDXH14.0ELL	Series 60	Detroit Diesel Corporation
2000	YDDXH08.5EJB	Series 50	Detroit Diesel Corporation
2000	YDDXH08.5EJL	Series 50	Detroit Diesel Corporation
2000	YDDXH08.5FJN	Series 50	Detroit Diesel Corporation
2000	YDDXH03.8C1N	Turbotronic 638	Detroit Diesel Corporation
2001	1DDXH12.7EGL	Series 60	Detroit Diesel Corporation
2001	1DDXH14.0ELL	Series 60	Detroit Diesel Corporation
2001	1DDXH08.5EJB	Series 50	Detroit Diesel Corporation
2001	1DDXH08.5EJL	Series 50	Detroit Diesel Corporation
2002	2DDXH12.7EGL	Series 60	Detroit Diesel Corporation
2002	2DDXH14.0ELL	Series 60	Detroit Diesel Corporation
2002	2DDXH12.7FGN	Series 60	Detroit Diesel Corporation
2002	2DDXH08.5EJL	Series 50	Detroit Diesel Corporation
1994	none		General Engine Products
1995	none		General Engine Products
1996	none		General Engine Products

1997	none		General Engine Products
1998	none		General Engine Products
1999	none		General Engine Products
2000	none		General Engine Products
2001	1GEPH06.5521		General Engine Products
2002	2GEPH06.5521		General Engine Products
2002	2GEPH06.5527		General Engine Products
2003	3GEPH06.5521		General Engine Products
2003	3GEPH06.5527		General Engine Products
1994	RGM6.5C6DAAC		General Motors
1995	none		General Motors
1996	TGM6.5C6DABA		General Motors
1996	TGM6.5C6DABW		General Motors
1997	VGM6.5C6DABA		General Motors
1997	VGM6.5C6DABW		General Motors
1997	VGM6.5C6DARW		General Motors
1998	WGMXH06.5521		General Motors
1998	WGMXH06.5522		General Motors
1998	WGMXH06.5523		General Motors
1999	XGMXH06.5521		General Motors
1999	XGMXH06.5523		General Motors
1999	XGMXH06.5526		General Motors
2000	YGMXH06.5521		General Motors
2001	1GMXH06.5521		General Motors
2002	2GMXH06.5521		General Motors
2002	2GMXH06.5527		General Motors
1994	RHM3.8C7DARW		Hino
1994	RHM6.5D7DARW		Hino
1995	SHM3.8C7DARW		Hino
1995	SHM6.5D7DARW		Hino
1996	THM3.8C7DARW		Hino
1996	THM6.5D7DARW		Hino
1997	VHM8.0DHDARA		Hino
1998	WHMXH08.0JTR		Hino
1999	XHMXH08.0JTR		Hino
2000	YHMXH05.3JTD		Hino
2000	YHMXH08.0JTP		Hino
2000	YHMXH08.0JTR		Hino
2001	1HMXH05.3JTD		Hino
2001	1HMXH08.0JTP		Hino
2001	1HMXH08.0JTR		Hino
2002	2HMXH05.3JTD		Hino
2002	2HMXH08.0JTP		Hino
2002	2HMXH08.0JTR		Hino
2003	3HMXH05.3JTD		Hino
2003	3HMXH08.0JTP		Hino
2003	3HMXH08.0JTR		Hino
1994	RSZ3.9C6DARW		Isuzu
1995	SSZ3.9C6DARW		Isuzu
1995	SSZ7.1D6DAAA		Isuzu
1996	TSZ3.9C6DARW		Isuzu
1996	TSZ7.1D6DAAA		Isuzu

1997	VSZ3.9C6DARA		Isuzu
1997	VSZ7.1D6DAAA		Isuzu
1997	VSZ7.1D6DAAW		Isuzu
1998	WSZXH07.84RA		Isuzu
1999	XSZXH07.84RA		Isuzu
2000	YSZXH07.84RA		Isuzu
2001	1SZXH06.63RK		Isuzu
2002	2SZXH06.64RA		Isuzu
2002	2SZXH07.84RA		Isuzu
2003	3SZXH06.64RA		Isuzu
2003	3SZXH07.84AA		Isuzu
2003	3SZXH07.84RA		Isuzu
1994	RMK728EGDARA	E7, EM7	Mack
1994	RMK728EJDARA	E7, EM7	Mack
1995	SMK728EGDARA	E7, EM7	Mack
1995	SMK728EJDARA	E7	Mack
1996	TMK728EGDARA	E7, EM7	Mack
1996	TMK728EJDARA	E7	Mack
1997	VMK728EGDARA	E7, EM7	Mack
1997	VMK728EJDARA	E7, EM7	Mack
1997	VMK728EJDAYW	E7, EM7	Mack
1998	WMKXH11.9E51	E7	Mack
1998	WMKXH11.9E52	E7	Mack
1998	WMKXH11.9E53	EM7	Mack
1999	XMKXH11.9E54	E7	Mack
2000	YMKXH11.9H56	E7, EM7	Mack
2000	YMKXH11.9V57	E7, EM7	Mack
2001	1MKXH11.9H56	E7, EM7	Mack
2001	1MKXH11.9H59	E7	Mack
2001	1MKXH11.9V57	E7, EM7	Mack
2001	1MKXH11.9V60	E7	Mack
2001	1MKXH11.9V61	EM7	Mack
2002	2MKXH11.9H59	E7	Mack
2002	2MKXH11.9H63	E7	Mack
2002	2MKXH11.9V60	E7	Mack
2002	2MKXH11.9V61	EM7	Mack
2002	2MKXH11.9V65	E7	Mack
2002	2MKXH11.9V66	EM7	Mack
2002	2MKXH11.9V67	E7	Mack
2003	3MKXH11.9V65	AI, E7, AMI, EM7	Mack
2003	3MKXH11.9V65	AI, E7, AMI, EM7	Mack
2003	3MKXH11.9V65	AI, E7, AMI, EM7	Mack
2003	3MKXH11.9V67	AI, AMI	Mack
2003	3MKXH11.9V67	AI, AMI	Mack
2003	3MKXH11.9V68	AI, AMI	Mack
2004	4MKXH11.9V65	AI	Mack
1994	RMB6.0D6DAAA		Mercedes Benz (or Daimler Chrysler)
1994	RMB6.0D6DARA		Mercedes Benz (or Daimler Chrysler)
1995	SMB6.0D6DAAA		Mercedes Benz (or Daimler Chrysler)
1995	SMB6.0D6DARA		Mercedes Benz (or Daimler Chrysler)
1996	none		Mercedes Benz (or Daimler Chrysler)
1997	VMBXH4.25DJA		Mercedes Benz (or Daimler Chrysler)

1998	WMBXH4.25DJA		Mercedes Benz (or Daimler Chrysler)
1999	XMBXH4.25DJA		Mercedes Benz (or Daimler Chrysler)
1999	XMBXH6.37DJA		Mercedes Benz (or Daimler Chrysler)
2000	YMBXH4.25DJA		Mercedes Benz (or Daimler Chrysler)
2000	YMBXH6.37DJA		Mercedes Benz (or Daimler Chrysler)
2001	1MBXH12.0DJA		Mercedes Benz (or Daimler Chrysler)
2001	1MBXH12.8DJA		Mercedes Benz (or Daimler Chrysler)
2001	1MBXH4.25DJA		Mercedes Benz (or Daimler Chrysler)
2001	1MBXH6.37DJA		Mercedes Benz (or Daimler Chrysler)
2001	1MBXH6.37DJC		Mercedes Benz (or Daimler Chrysler)
2002	2MBXH12.0DJA		Mercedes Benz (or Daimler Chrysler)
2002	2MBXH12.8DJA		Mercedes Benz (or Daimler Chrysler)
2002	2MBXH15.9DJB		Mercedes Benz (or Daimler Chrysler)
2002	2MBXH4.25DJA		Mercedes Benz (or Daimler Chrysler)
2002	2MBXH6.37DJA		Mercedes Benz (or Daimler Chrysler)
2002	2MBXH6.37DJC		Mercedes Benz (or Daimler Chrysler)
2003	3MBXH12.0DJA		Mercedes Benz (or Daimler Chrysler)
2003	3MBXH12.8DJA		Mercedes Benz (or Daimler Chrysler)
2003	3MBXH15.9DJB		Mercedes Benz (or Daimler Chrysler)
2003	3MBXH4.25DJA		Mercedes Benz (or Daimler Chrysler)
2003	3MBXH6.37DJA		Mercedes Benz (or Daimler Chrysler)
2003	3MBXH6.37DJC		Mercedes Benz (or Daimler Chrysler)
1994	RMT238B7DAAA		Mitsubishi
1995	SMT460D7DAAA		Mitsubishi
1996	TMT238C7DBAA		Mitsubishi
1996	TMT358D7DBAA		Mitsubishi
1996	TMT460D7DBAA		Mitsubishi
1997	VMT238C7DBAA		Mitsubishi
1997	VMT358D7DBAA		Mitsubishi
1997	VMT460D7DBAA		Mitsubishi
1998	none		Mitsubishi
1999	XMTXH03.9D4A		Mitsubishi
1999	XMTXH05.8D6A		Mitsubishi
1999	XMTXH07.5D6A		Mitsubishi
2000	YMTXH03.9D4A		Mitsubishi
2000	YMTXH05.8D6A		Mitsubishi
2000	YMTXH07.5D6A		Mitsubishi
2001	1MTXH03.9D4A		Mitsubishi
2001	1MTXH04.8M5A		Mitsubishi
2001	1MTXH05.8D6A		Mitsubishi
2001	1MTXH07.5D6A		Mitsubishi
2002	2MTXH03.9D4A		Mitsubishi
2002	2MTXH04.8M5A		Mitsubishi
2002	2MTXH05.8D6A		Mitsubishi
2002	2MTXH07.5D6A		Mitsubishi
2003	3MTXH03.9D4A		Mitsubishi
2003	3MTXH04.8M5A		Mitsubishi
2003	3MTXH05.8D6A		Mitsubishi
2003	3MTXH07.5D6A		Mitsubishi
1994	RNV408D6DAAW	--	Navistar (International)
1994	RNV444C8DABA	--	Navistar (International)
1994	RNV466D6D0TW	--	Navistar (International)

1994	RNV466D6DAAA	--	Navistar (International)
1994	RNV466D6DABA	--	Navistar (International)
1994	RNV466D6DARW	DT 466HT, DT 466	Navistar (International)
1994	RNV466D6DASW	DT 466HT, DT 466	Navistar (International)
1994	RNV530D6DAAA	--	Navistar (International)
1994	RNV7.3C8DAAA	--	Navistar (International)
1995	SNV444C8DOAA	--	Navistar (International)
1995	SNV444C8DORA	--	Navistar (International)
1995	SNV444C8DOSA	--	Navistar (International)
1995	SNV466D6DARA	DT 466HT, DT 466	Navistar (International)
1995	SNV466D6DASA	DT 466	Navistar (International)
1995	SNV466D6DATA	--	Navistar (International)
1995	SNV466D8DARB	DT 466HT, DT 466	Navistar (International)
1995	SNV466D8DASB	DT 466	Navistar (International)
1995	SNV466D8DATB	--	Navistar (International)
1995	SNV530D6DARA	--	Navistar (International)
1995	SNV530E6DASA	--	Navistar (International)
1995	SNV530F6DATA	530 Bus	Navistar (International)
1995	SNV7.3C8DAAA	--	Navistar (International)
1996	TNV444C8DORA	--	Navistar (International)
1996	TNV444C8DOSA	--	Navistar (International)
1996	TNV466D6DARB	DT 466, DT 466HT	Navistar (International)
1996	TNV466D6DATB	--	Navistar (International)
1996	TNV466D8DARB	DT 466, DT 466HT	Navistar (International)
1996	TNV466D8DATB	--	Navistar (International)
1996	TNV530D6DARA	--	Navistar (International)
1996	TNV530D8DARA	--	Navistar (International)
1996	TNV530E6DASA	--	Navistar (International)
1996	TNV530E8DASA	--	Navistar (International)
1996	TNV7.3B8DOAA	--	Navistar (International)
1996	TNV7.3C8DAAA	--	Navistar (International)
1997	VNV444C8DARW	T444E	Navistar (International)
1997	VNV444C8DASW	T444E HT	Navistar (International)
1997	VNV466D6DARA	DT 466HT, DT 466	Navistar (International)
1997	VNV466D8DARW	DT 466E, DT 466 HT	Navistar (International)
1997	VNV466D8DASA	--	Navistar (International)
1997	VNV530D6DARA	530 MGD	Navistar (International)
1997	VNV530D8DARA	530E	Navistar (International)
1997	VNV530E6DASA	530 HVY	Navistar (International)
1997	VNV530E8DASA	530E	Navistar (International)
1997	VNV7.3C8DAAA	--	Navistar (International)
1997	VNV7.3C8DAAW	--	Navistar (International)
1997	VNV7.3W8DOAK	7.3 DIT	Navistar (International)
1998	WNVXH0444CCB	T 444E	Navistar (International)
1998	WNVXH0444CCD	T 444E	Navistar (International)
1998	WNVXH0466CCB	DT 466E	Navistar (International)
1998	WNVXH0466CCD	DT 466E	Navistar (International)
1998	WNVXH0530CCB	530E	Navistar (International)
1998	WNVXH0530CCD	530E	Navistar (International)
1999	XNVXH0444ANA	T 444E	Navistar (International)
1999	XNVXH0444ANB	T 444E	Navistar (International)
1999	XNVXH0466ANA	DT 466E	Navistar (International)

1999	XNVXH0466ANB	DT 466E	Navistar (International)
1999	XNVXH0530ACT	530E	Navistar (International)
1999	XNVXH0530ANA	530E	Navistar (International)
1999	XNVXH0530ANB	530E	Navistar (International)
1999	XNVXH07.3ACA	7.3 DIT	Navistar (International)
1999	XNVXH07.3ACB	7.3 DIT	Navistar (International)
1999	XNVXH07.3ACC	7.3 DIT	Navistar (International)
1999	XNVXH07.3ANE	7.3 DIT	Navistar (International)
1999	XNVXH07.3ANF	7.3 DIT	Navistar (International)
1999	XNVXA07.3CCD	7.3 DIT	Navistar (International)
1999	XNVXA07.3CNJ	7.3 DIT	Navistar (International)
2000	YNVXH0444ACT	T 444E	Navistar (International)
2000	YNVXH0444ANA	444 P	Navistar (International)
2000	YNVXH0444ANB	T 444E	Navistar (International)
2000	YNVXH0444ANC	T 444E	Navistar (International)
2000	YNVXH0466ANA	DT 466E, DT 466E HT	Navistar (International)
2000	YNVXH0466ANB	DT 466E, DT 466E HT	Navistar (International)
2000	YNVXH0530ACT	530E	Navistar (International)
2000	YNVXH0530ANA	DT 530E	Navistar (International)
2000	YNVXH0530ANB	DT 530E, DT 530E HT	Navistar (International)
2000	YNVXH07.3ANA	7.3 DIT	Navistar (International)
2001	1NVXH0444ANA	444 P	Navistar (International)
2001	1NVXH0444ANB	T 444E	Navistar (International)
2001	1NVXH0444ANC	T 444E	Navistar (International)
2001	1NVXH0466ANA	DT 466, DT 466 HT	Navistar (International)
2001	1NVXH0466ANB	DT 466, DT 466 HT	Navistar (International)
2001	1NVXH0530ACT	DT 530	Navistar (International)
2001	1NVXH0530ANA	DT 530	Navistar (International)
2001	1NVXH0530ANB	DT 530, DT 530 HT	Navistar (International)
2001	1NVXH07.3ACE	7.3 DIT	Navistar (International)
2001	1NVXH07.3ACF	7.3 DIT	Navistar (International)
2001	1NVXH07.3ANA	7.3 DIT	Navistar (International)
2001	1NVXH07.3ANC	7.3 DIT	Navistar (International)
2001	1NVXA07.3CND	7.3 DIT	Navistar (International)
2002	2NVXH0444ANA	T 444E	Navistar (International)
2002	2NVXH0444ANB	T 444E	Navistar (International)
2002	2NVXH0444ANC	T 444E	Navistar (International)
2002	2NVXH0466ANA	DT 466, DT 466 HT	Navistar (International)
2002	2NVXH0466ANB	DT 466, DT 466 HT	Navistar (International)
2002	2NVXH0530ANA	DT 530	Navistar (International)
2002	2NVXH0530ANB	DT 530, DT 530 HT	Navistar (International)
2002	2NVXH0530ANC	DT 530	Navistar (International)
2002	2NVXH07.3ACE	7.3 DIT	Navistar (International)
2002	2NVXA07.3ACF	7.3 DIT	Navistar (International)
2002	2NVXH07.3ANA	7.3 DIT	Navistar (International)
2002	2NVXH07.3ANC	7.3 DIT	Navistar (International)
2002	2NVXA07.3CND	7.3 DIT	Navistar (International)
2003	3NVXA07.3CND	7.3 DIT	Navistar (International)
2003	3NVXH0444ANB	T 444E	Navistar (International)
2003	3NVXH0444ANC	T 444E	Navistar (International)
2003	3NVXH0466ANA	DT 466, DT 466 HT	Navistar (International)
2003	3NVXH0466ANB	DT 466, DT 466 HT	Navistar (International)

2003	3NVXH0530ANA	DT 530	Navistar (International)
2003	3NVXH0530ANB	DT 530, DT 530 HT	Navistar (International)
2003	3NVXH0530ANC	DT 530	Navistar (International)
2004	4NVXH0466AEA	DT466, DT466HT	Navistar (International)
2004	4NVXH0466ANA	DT 466, DT 466 HT	Navistar (International)
2004	4NVXH0466ANB	DT 466, DT 466 HT	Navistar (International)
2004	4NVXH0530ANA	DT 530	Navistar (International)
2004	4NVXH0530ANB	DT 530, DT 530 HT	Navistar (International)
2004	4NVXH0530ANC	DT 530	Navistar (International)
1994	RND254C6DAAA		Nissan
1994	RND423D6DAAA		Nissan
1995	SND254C6DAAA		Nissan
1995	SND423D6DAAA		Nissan
1996	TND254C6DAAA		Nissan
1996	TND423D6DAAA		Nissan
1997	VND254C6DAAA		Nissan
1997	VND423D6DAAA		Nissan
1998	WNDXH04.2TAB		Nissan
1998	WNDXH06.9FAB		Nissan
1999	XNDXH04.6FAB		Nissan
1999	XNDXH06.9FAB		Nissan
2000	YNDXH04.6FAB		Nissan
2000	YNDXH06.9FAB		Nissan
2001	1NDXH04.6FAB		Nissan
2001	1NDXH06.9FAB		Nissan
2002	2NDXH04.6FAB		Nissan
2002	2NDXH06.9FAB		Nissan
2003	3NDXH04.6FAB		Nissan
2003	3NDXH06.9FAB		Nissan
1994	RPK243C6DAAA		Perkins
1994	RPK365D6DAAA		Perkins
1995	SPK243C6DAAA		Perkins
1995	SPK365D6DAAA		Perkins
1996	TPK243C6DAAA		Perkins
1996	TPK365D6DAAA		Perkins
1994	none		Renault
1995	SR3377D8DAAW		Renault
1995	SR3377D8DABW		Renault
1996	TR3377D8DAAW		Renault
1996	TR3377D8DABW		Renault
1997	VR3377D8DAAW		Renault
1997	VR3377D8DABW		Renault
1998	none		Renault
1999	XR3XH0377KWC		Renault
1999	XR3XH0377LWC		Renault
2000	YR3XH0377KWC		Renault
1994	RVT12.EJDBRA	VE D12	Volvo
1994	RVT6.7D6DBRA	VE D7A	Volvo
1995	SVT12.EJDBRA	VE D12	Volvo
1995	SVT6.7D6DBRA	VE D7A	Volvo
1996	TVT12.EJDBRA	VE D12	Volvo
1996	TVT6.7D6DBRA	VE D7A	Volvo

1997	VVT12.EJDBRA	VE D12	Volvo
1997	VVT6.7D6DBRA	VE D7A	Volvo
1998	WVTXH12.150S	VE D12B	Volvo
1998	WVTXH07.350S	VE D7C	Volvo
1999	XVTXH12.150S	VE D12B	Volvo
1999	XVTXH07.399B	VE D7C	Volvo
1999	XVTXH07.350S	VE D7C	Volvo
2000	YVTXH07.350S	VE D7C	Volvo
2000	YVTXH12.150S	VE D12C	Volvo
2001	1VTXH07.350S	VE D7C	Volvo
2001	1VTXH12.150S	VE D12	Volvo
2002	2VTXH07.350S	VE D7C	Volvo
2002	2VTXH12.150S	VE D12	Volvo