

ATTACHMENT 1**ThermaCat™ Model #E144 Engine Family List**

Model Year	Manufacturer	Engine Family	Displacement (L)
1993	Detroit Diesel Corporation	PDD08.5FZK7	8.5
1993	International	PNV0466FPD5	7.6
1994	Cummins	RCE611EGDARW	10.0
1994	Detroit Diesel Corporation	RDD8.5EJDARA	8.5
1994	Detroit Diesel Corporation	RDD8.5EJDARW	8.5
1994	Hino	RHM6.5D7DARW	6.5
1994	International	RNV466D6DARW	7.6
1994	International	RNV466D6DASW	7.6
1994	International	RNV466D6DOTW	7.6
1994	Mercedes Benz	RMB6.0D6DARA	6.0
1994	Volvo	RVT6.7D6DBRA	6.7
1995	Caterpillar	SCP403DZDARK	6.6
1995	Caterpillar	SCP442DZDARK	7.2
1995	Cummins	SCE611EGDARW	10.0
1995	Detroit Diesel Corporation	SDD8.5EJDARA	8.5
1995	Detroit Diesel Corporation	SDD8.5EJDARW	8.5
1995	Hino	SHM6.5D7DARW	6.5
1995	International	SNV444C8DORA	7.3
1995	International	SNV444C8DOSA	7.3
1995	International	SNV466D6DARA	7.6
1995	International	SNV466D6DASA	7.6
1995	International	SNV466D6DATA	7.6
1995	International	SNV466D8DARB	7.6
1995	International	SNV466D8DASB	7.6
1995	International	SNV466D8DATB	7.6
1995	International	SNV530D6DARA	8.7
1995	International	SNV530E6DASA	8.7
1995	Mercedes Benz	SMB6.0D6DARA	6.0
1995	Volvo	SVT6.7D6DBRA	6.7
1996	Caterpillar	TCP403DZDARK	6.6
1996	Caterpillar	TCP442DZDARK	7.2
1996	Detroit Diesel Corporation	TDD8.5EJDARA	8.5
1996	Detroit Diesel Corporation	TDD8.5EJDARW	8.5
1996	Hino	THM6.5D7DARW	6.5
1996	International	TNV444C8DORA	7.3
1996	International	TNV444C8DOSA	7.3
1996	International	TNV466D6DATB	7.6
1996	International	TNV466D8DARB	7.6
1996	International	TNV466D8DATB	7.6
1996	International	TNV530D6DARA	8.7
1996	International	TNV530D8DARA	8.7
1996	International	TNV530E6DASA	8.7
1996	International	TNV530E8DASA	8.7
1996	Volvo	TVT6.7D6DBRA	6.7

1997	Caterpillar	VCP403DZDARK	6.6
Model Year	Manufacturer	Engine Family	Displacement (L)
1997	Caterpillar	VCP442DZDARK	7.2
1997	Cummins	VCE359DJDARA	5.9
1997	Detroit Diesel Corporation	VDD8.5EJDARA	8.5
1997	General Motors	VGM6.5C6DARW	6.5
1997	Hino	VHM8.0DHDARA	8.0
1997	International	VNV444C8DARW	7.3
1997	International	VNV444C8DASW	7.3
1997	International	VNV466D6DARA	7.6
1997	International	VNV466D8DARW	7.6
1997	International	VNV466D8DASA	7.6
1997	International	VNV530D6DARA	8.7
1997	International	VNV530D8DARA	8.7
1997	International	VNV530E6DASA	8.7
1997	International	VNV530E8DASA	8.7
1997	Volvo	VVT6.7D6DBRA	6.7
1998	Caterpillar	WCPXH0442HRK	7.2
1998	Caterpillar	WCPXH0442HSK	7.2
1998	Cummins	WCEXH0359BAD	5.9
1998	Cummins	WCEXH0359BAE	5.9
1998	Cummins	WCEXH0505CAC	8.3
1998	Cummins	WCEXH0505CAD	8.3
1998	Cummins	WCEXH0505CAE	8.3
1998	Cummins	WCEXH0505CAF	8.3
1998	Detroit Diesel Corporation	WDDXH08.5EJD	8.5
1998	General Motors	WGMXH06.5523	6.5
1998	Isuzu	WSZXH07.84RA	7.8
1998	Volvo	WVTXH07.350S	6.7
1999	Caterpillar	XCPXH0442HRK	7.2
1999	Caterpillar	XCPXH0442HSK	7.2
1999	Cummins	XCEXH0359BAJ	5.9
1999	Cummins	XCEXH0359BAK	5.9
1999	Cummins	XCEXH0505CAC	8.3
1999	Cummins	XCEXH0505CAD	8.3
1999	Cummins	XCEXH0505CAE	8.3
1999	Detroit Diesel Corporation	XDDXH08.5EJL	8.5
1999	General Motors	XGMXH06.5523	6.5
1999	International	XNVXH0444ANA	7.3
1999	International	XNVXH0444ANB	7.3
1999	International	XNVXH07.3ANE	7.3
1999	International	XNVXH0466ANA	7.6
1999	International	XNVXH0466ANB	7.6
1999	International	XNVXH0530ANA	8.7
1999	International	XNVXH0530ANB	8.7
1999	Isuzu	XSZXH07.84RA	7.8
1999	Mercedes Benz	XMBXH6.37DJA	6.3
1999	Volvo	XVTXH07.350S	7.3
1999	Volvo	XVTXH07.399B	7.3
2000	Caterpillar	YCPXH0442HRK	7.2
2000	Cummins	YCEXH0359BAO	5.9
2000	Cummins	YCEXH0359BAP	5.9

2000	Cummins	YCEXH0505CAG	8.3
Model Year	Manufacturer	Engine Family	Displacement (L)
2000	Cummins	YCEXH0505CAH	8.3
2000	Cummins	YCEXH0505CAI	8.3
2000	Cummins	YCEXH0540LAA	8.8
2000	Detroit Diesel Corporation	YDDXH08.5EJB	8.5
2000	Detroit Diesel Corporation	YDDXH08.5EJL	8.5
2000	International	YNVXH0444ANA	7.3
2000	International	YNVXH0444ANB	7.3
2000	International	YNVXH0444ANC	7.3
2000	International	YNVXH07.3ANA	7.3
2000	International	YNVXH0466ANA	7.6
2000	International	YNVXH0466ANB	7.6
2000	International	YNVXH0530ANA	8.7
2000	International	YNVXH0530ANB	8.7
2000	Isuzu	YSZXH07.84RA	7.8
2000	Mercedes Benz	YMBXH6.37DJA	6.3
2000	Volvo	YVTXH07.350S	7.3
2001	Caterpillar	1CPXH0442HRK	7.2
2001	Cummins	1CEXH0359BAU	5.9
2001	Cummins	1CEXH0359BAV	5.9
2001	Cummins	1CEXH0505CAN	8.3
2001	Cummins	1CEXH0505CAO	8.3
2001	Cummins	1CEXH0505CAP	8.3
2001	Cummins	1CEXH0540LAA	8.8
2001	Cummins	1CEXH0540LAC	8.8
2001	Detroit Diesel Corporation	1DDXH08.5EJB	8.5
2001	Detroit Diesel Corporation	1DDXH08.5EJL	8.5
2001	International	1NVXH0444ANA	7.3
2001	International	1NVXH0444ANB	7.3
2001	International	1NVXH0444ANC	7.3
2001	International	1NVXH07.3ANA	7.3
2001	International	1NVXH0466ANA	7.6
2001	International	1NVXH0466ANB	7.6
2001	International	1NVXH0530ANA	8.7
2001	International	1NVXH0530ANB	8.7
2001	Isuzu	1SZXH07.84RA	7.8
2001	Mercedes Benz	1MBXH6.37DJA	6.3
2001	Mercedes Benz	1MBXH6.37DJC	6.3
2001	Volvo	1VTXH07.350S	7.3
2002	Caterpillar	2CPXH0442HRK	7.2
2002	Cummins	2CEXH0359BAB	5.9
2002	Cummins	2CEXH0505CAN	8.3
2002	Cummins	2CEXH0505CAQ	8.3
2002	Cummins	2CEXH0540LAC	8.8
2002	Detroit Diesel Corporation	2DDXH08.5EJL	8.5
2002	International	2NVXH0444ANA	7.3
2002	International	2NVXH0444ANB	7.3
2002	International	2NVXH0444ANC	7.3
2002	International	2NVXH07.3ANA	7.3
2002	International	2NVXH0466ANA	7.6
2002	International	2NVXH0466ANB	7.6
2002	International	2NVXH0530ANA	8.7

2002	International	2NVXH0530ANB	8.7
Model Year	Manufacturer	Engine Family	Displacement (L)
2002	International	2NVXH0530ANC	8.7
2002	Isuzu	2SZXH06.64RA	6.6
2002	Isuzu	2SZXH07.84RA	7.8
2002	Mercedes Benz	2MBXH6.37DJA	6.3
2002	Mercedes Benz	2MBXH6.37DJC	6.3
2002	Volvo	2VTXH07.350S	7.3
2003	Cummins	3CEXH0505CAN	8.3
2003	Cummins	3CEXH0505CAQ	8.3
2003	Cummins	3CEXH0540LAC	8.8
2003	International	3NVXH0444ANB	7.3
2003	International	3NVXH0444ANC	7.3
2003	International	3NVXH0466ANA	7.6
2003	International	3NVXH0466ANB	7.6
2003	International	3NVXH0530ANA	8.7
2003	International	3NVXH0530ANB	8.7
2003	International	3NVXH0530ANC	8.7
2003	Isuzu	3SZXH06.64RA	6.6
2003	Isuzu	3SZXH07.84RA	7.8
2003	Mercedes Benz	3MBXH6.37DJA	6.3
2003	Mercedes Benz	3MBXH6.37DJC	6.3
2004	Cummins	4CEXH0505CAR	8.3
2004	Cummins	4CEXH0505CAS	8.3
2004	Cummins	4CEXH0540LAE	8.8
2004	International	4NVXH0466ANA	7.6
2004	International	4NVXH0466ANB	7.6
2004	International	4NVXH0530ANA	8.7
2004	International	4NVXH0530ANB	8.7
2004	International	4NVXH0530ANC	8.7
2005	Caterpillar	5CPXH0537HBK	8.8
2005	Cummins	5CEXH0505CAR	8.3
2005	Cummins	5CEXH0540LAE	8.8
2005	Isuzu	5SZXH07.84RB	7.8
2006	Cummins	6CEXH0359BAI	5.9