

# ATTACHMENT 1

Executive Order DE 06-006-02

## Engine Families EXCLUDED from the HUSS FS-MK DPF Verification

**Table 1. Excluded Engine Families (Engines Certified as EGR-equipped)**

<b>Model Year</b>	<b>Engine Manufacturer</b>	<b>Engine Family</b>	<b>Displacement (L)</b>
1996	Cummins	TCE359D6D1AA	5.9
1999	Isuzu	XSZXH04.83AA	4.8
2000	Isuzu	YSZXH04.83AA	4.8
2001	Detroit Diesel Corporation	1DDXH08.5FJY	8.5
2002	Cummins	2CEXH0912XAG	14.9
2002	Detroit Diesel Corporation	2DDXH08.5FJY	8.5
2002	International	2NVXH0365AEA	6
2002	Isuzu	2SZXH04.83AA	4.8
2002	Mack	2MKXH11.9H64	11.9
2002	Renault	2R3XH0377BNA	6.2
2002	Renault	2R3XH0377CNA	6.2
2003	Cummins	3CEXH0359BAG	5.9
2003	Cummins	3CEXH0359BAH	5.9
2003	Cummins	3CEXH0661MAT	10.8
2003	Cummins	3CEXH0661MAU	10.8
2003	Cummins	3CEXH0912XAH	14.9
2003	Cummins	3CEXH0912XAJ	14.9
2003	Detroit Diesel Corporation	3DDXH08.5FJA	8.5
2003	Detroit Diesel Corporation	3DDXH12.7EGY	12.7
2003	Detroit Diesel Corporation	3DDXH14.0ELY	14
2003	International	3NVXH0365AEA	6
2003	International	3NVXH06.0AEA	6
2003	Isuzu	3SZXH04.83AA	4.8
2003	Isuzu	3SZXH06.63AK	6.6
2003	Mack	3MKXH11.9H64	11.9
2003	Mack	3MKXH11.9H70	11.9
2003	Volvo	3VTXH12.150S	12.1
2004	Cummins	4CEXH0359BAG	5.9
2004	Cummins	4CEXH0359BAH	5.9
2004	Cummins	4CEXH0661MAT	10.8
2004	Cummins	4CEXH0661MAU	10.8
<b>Model Year</b>	<b>Engine Manufacturer</b>	<b>Engine Family</b>	<b>Displacement (L)</b>
2004	Cummins	4CEXH0912XAH	14.9
2004	Cummins	4CEXH0912XAJ	14.9

2004	Daimler Chrysler	4MBXH12.8DJA	12.8
2004	Daimler Chrysler	4MBXH4.25DJA	4.25
2004	Daimler Chrysler	4MBXH6.37DJA	6.37
2004	Detroit Diesel Corporation	4DDXH12.7EGY	12.7
2004	Detroit Diesel Corporation	4DDXH14.0ELY	14
2004	Ford	4FMXA06.0AEC	6
2004	Ford	4FMXA06.0AED	6
2004	Hino	4HMXH04.7JTA	4.7
2004	Hino	4HMXH07.7JTA	7.7
2004	Hino	4HMXH07.7JTB	7.7
2004	International	4NVXH0365AEB	6
2004	International	4NVXH0466AGA	7.6
2004	International	4NVXH0570AEA	9.3
2004	Isuzu	4SZXH05.23AA	5.2
2004	Isuzu	4SZXH06.64AA	6.6
2004	Isuzu	4SZXH06.64AW	6.6
2004	Isuzu	4SZXH07.84RA	7.8
2004	Isuzu	4SZXH07.84RW	7.8
2004	Mack	4MKXH11.9H64	11.9
2004	Mack	4MKXH11.9H70	11.9
2004	Mack	4MKXH11.9H73	11.9
2004	Mack	4MKXH11.9V67	11.9
2004	Mack	4MKXH11.9V71	11.9
2004	Volvo	4VTXH12.150S	12.1
2005	Cummins	5CEXH0359BAB	5.9
2005	Cummins	5CEXH0359BAF	5.9
2005	Cummins	5CEXH0359BAG	5.9
2005	Cummins	5CEXH0359BAH	5.9
2005	Cummins	5CEXH0661MAT	10.8
2005	Cummins	5CEXH0661MAU	10.8
2005	Cummins	5CEXH0661MAX	10.8
2005	Cummins	5CEXH0912XAH	14.9
2005	Cummins	5CEXH0912XAJ	14.9
2005	Daimler Chrysler	5MBXH12.8DJA	12.8
<b>Model Year</b>	<b>Engine Manufacturer</b>	<b>Engine Family</b>	<b>Displacement (L)</b>
2005	Daimler Chrysler	5MBXH4.25DJA	4.25
2005	Daimler Chrysler	5MBXH6.37DJA	6.37
2005	Daimler Chrysler	5MBXH7.20DJA	7.2
2005	Detroit Diesel Corporation	5DDXH12.7EGY	12.7
2005	Detroit Diesel Corporation	5DDXH14.0ELY	14
2005	Ford	5FMXA06.0AED	6
2005	General Motors	5GMXH06.6592	6.6

2005	General Motors	5GMXH06.6593	6.6
2005	Hino	5HMXH04.7JTA	4.7
2005	Hino	5HMXH07.7JTA	7.7
2005	Hino	5HMXH07.7JTB	7.7
2005	International	5NVXH02754AE	4.5
2005	International	5NVXH0365AEC	6
2005	International	5NVXH0466AEA	7.6
2005	International	5NVXH0466AGA	7.6
2005	International	5NVXH0570AEA	9.3
2005	International	5NVXH06.0AEC	6
2005	Isuzu	5SZXH05.23AB	5.2
2005	Isuzu	5SZXH07.84RA	7.8
2005	Isuzu	5SZXH07.84RW	7.8
2005	Mack	5MKXH11.9H70	11.9
2005	Mack	5MKXH11.9H73	11.9
2005	Mack	5MKXH11.9V71	11.9
2005	Mitsubishi	5MFTH04.9M5A	4.9
2005	Mitsubishi	5MFTH07.5M6A	7.5
2005	Volvo	5VTXH12.150S	12.1
2006	Cummins	6CEXH0359BAB	5.9
2006	Cummins	6CEXH0359BAF	5.9
2006	Cummins	6CEXH0359BAH	5.9
2006	Cummins	6CEXH0661MAT	10.8
2006	Cummins	6CEXH0661MAU	10.8
2006	Cummins	6CEXH0661MAW	10.8
2006	Cummins	6CEXH0661MAX	10.8
2006	Cummins	6CEXH0912XAH	14.9
2006	Cummins	6CEXH0912XAJ	14.9
2006	Daimler Chrysler	6MBXH12.8DJA	12.8
2006	Daimler Chrysler	6MBXH4.25DJA	4.25
2006	Daimler Chrysler	6MBXH6.37DJA	6.37
2006	Daimler Chrysler	6MBXH7.20DJA	7.2
<b>Model Year</b>	<b>Engine Manufacturer</b>	<b>Engine Family</b>	<b>Displacement (L)</b>
2006	Detroit Diesel Corporation	6DDXH12.7EGY	12.7
2006	Detroit Diesel Corporation	6DDXH14.0ELY	14
2006	General Engine Products	6GEPH06.6595	6.6
2006	General Motors	6GMXH06.6590	6.6
2006	General Motors	6GMXH06.6591	6.6
2006	Hino	6HMXH04.7JTA	4.7
2006	Hino	6HMXH07.7JTA	7.7
2006	Hino	6HMXH07.7JTB	7.7
2006	International	6NVXH0275AEA	7.6

2006	International	6NVXH0365AEC	6
2006	International	6NVXH0466AEA	7.6
2006	International	6NVXH0466AGA	7.6
2006	International	6NVXH0570AEA	7.6
2006	International	6NVXH06.0AEC	6
2006	Isuzu	6SZXH05.23AB	5.2
2006	Isuzu	6SZXH07.84RA	7.8
2006	Isuzu	6SZXH07.84RW	7.8
2006	Mack	6MKXH10.8C02	10.8
2006	Mack	6MKXH11.9H70	11.9
2006	Mack	6MKXH11.9H73	11.9
2006	Mitsubishi	6MFTH04.9M5A	4.9
2006	Mitsubishi	6MFTH07.5M6A	7.5
2006	Volvo	6VTXH12.150S	12.1
2006	Volvo	6VTXH16.1C01	16.1

**Table 2. Provisionally Excluded Engine Families (DOC-equipped)**

[These engine families are excluded from the FS-MK verification unless installation of the FS-MK meets the requirements described in the Executive Order.]

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
1993	Cummins	PCE0359FDA1	5.9
1993	Cummins	PCE0505FDA5	8.3
1993	Cummins	PCE0505FDD8	8.3
1994	Caterpillar	RCP403DZDAAA	6.6
1994	Caterpillar	RCP403DZDABA	6.6
1994	Cummins	RCE359D6DAAB	5.9
1994	Cummins	RCE359D6DAAW	5.9
1994	Cummins	RCE359D6DABW	5.9
1994	Cummins	RCE505D6DAAA	8.3
1994	Cummins	RCE505D6DAAB	8.3
1994	Cummins	RCE505D6DAAC	8.3
1994	Cummins	RCE505F6DAAW	8.3
1994	Cummins	RCE661FJDAAA	10.8
1994	Daimler Chrysler	RMB6.0D6DAAA	6
Model Year	Engine Manufacturer	Engine Family	Displacement (L)
1994	Detroit Diesel Corporation	RDD8.5FJDABA	8.5
1994	General Motors	RGM6.5C6DAAA	6.5
1994	General Motors	RGM6.5C6DAAB	6.5
1994	General Motors	RGM6.5C6DAAC	6.5
1994	International	RNV408D6DAAW	6.7
1994	International	RNV444C8DABA	7.3
1994	International	RNV466D6DAAA	7.6
1994	International	RNV466D6DABA	7.6
1994	International	RNV530D6DAAA	8.7

1994	International	RNV7.3C8DAAA	7.3
1994	Mitsubishi	RMT238B7DAAA	3.9
1994	Nissan	RND254C6DAAA	4.2
1994	Nissan	RND423D6DAAA	6.9
1994	Perkins	RPK243C6DAAA	4
1994	Perkins	RPK365D6DAAA	6
1995	Caterpillar	SCP403DZDAAA	6.6
1995	Caterpillar	SCP403DZDABA	6.6
1995	Cummins	SCE239D6DAAA	3.9
1995	Cummins	SCE359D6DAAA	5.9
1995	Cummins	SCE359D6DAAW	5.9
1995	Cummins	SCE359D6DABW	5.9
1995	Cummins	SCE505D6DAAA	8.3
1995	Cummins	SCE505D6DAAW	8.3
1995	Cummins	SCE505D6DABW	8.3
1995	Cummins	SCE505F6DAAW	8.3
1995	Cummins	SCE661FJDAAA	10.8
1995	Daimler Chrysler	SMB6.0D6DAAA	6
1995	Detroit Diesel Corporation	SDD8.5EJDABA	8.5
1995	International	SNV444C8DOAA	7.3
1995	International	SNV530F6DATA	8.7
1995	Isuzu	SSZ7.1D6DAAA	7.1
1995	Mitsubishi	SMT460D7DAAA	7.5
1995	Nissan	SND254C6DAAA	4.2
1995	Nissan	SND423D6DAAA	6.9
1995	Perkins	SPK243C6DAAA	4
1995	Perkins	SPK365D6DAAA	6
1995	Renault	SR3377D8DAAW	6.2
1995	Renault	SR3377D8DABW	6.2
1996	Caterpillar	TCP403DZDAAA	6.6

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
1996	Caterpillar	TCP403DZDABA	6.6
1996	Caterpillar	TCP442DZDAAK	7.2
1996	Cummins	TCE239D6DAAA	3.9
1996	Cummins	TCE359D6DAAA	5.9
1996	Cummins	TCE359D6DABW	5.9
1996	Cummins	TCE505D6DAAA	8.3
1996	Cummins	TCE505D6DAAW	8.3
1996	Cummins	TCE505D6DABW	8.3
1996	Cummins	TCE661FJDABA	10.8
1996	Detroit Diesel Corporation	TDD552FJB0BA	9
1996	Detroit Diesel Corporation	TDD8.5FJDABA	8.5
1996	General Motors	TGM6.5C6DAAA	6.5
1996	General Motors	TGM6.5C6DABA	6.5
1996	International	TNV7.3C8DAAA	7.3
1996	Isuzu	TSZ7.1D6DAAA	7.1
1996	Mitsubishi	TMT238C7DBAA	3.9
1996	Mitsubishi	TMT358D7DBAA	5.9
1996	Mitsubishi	TMT460D7DBAA	7.5
1996	Nissan	TND254C6DAAA	4.2
1996	Nissan	TND423D6DAAA	6.9
1996	Perkins	TPK243C6DAAA	4

1996	Perkins	TPK365D6DAAA	6
1996	Renault	TR3377D8DAAW	6.2
1996	Renault	TR3377D8DABW	6.2
1997	Caterpillar	VCP403DZDAAA	6.6
1997	Caterpillar	VCP403DZDABA	6.6
1997	Caterpillar	VCP442DZDAAK	7.2
1997	Cummins	VCE239D6DAAA	3.9
1997	Cummins	VCE359D6DAAA	5.9
1997	Cummins	VCE359D6DABW	5.9
1997	Cummins	VCE505D6DAAA	8.3
1997	Cummins	VCE505D6DAAW	8.3
1997	Cummins	VCE505D6DABW	8.3
1997	Cummins	VCE661FJDABA	10.8
1997	Detroit Diesel Corporation	VDD3.8C8DABA	3.8
1997	Detroit Diesel Corporation	VDD8.5FJDABA	8.5
1997	General Motors	VGM6.5C6DAAA	6.5
1997	General Motors	VGM6.5C6DABA	6.5
1997	International	VNV7.3C8DAAA	7.3
1997	International	VNV7.3C8DAAW	7.3

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
1997	Isuzu	VSZ7.1D6DAAA	7.1
1997	Isuzu	VSZ7.1D6DAAW	7.1
1997	Mitsubishi	VMT238C7DBAA	3.9
1997	Mitsubishi	VMT358D7DBAA	5.9
1997	Mitsubishi	VMT460D7DBAA	7.5
1997	Nissan	VND254C6DAAA	4.2
1997	Nissan	VND423D6DAAA	6.9
1997	Renault	VR3377D8DAAW	6.2
1997	Renault	VR3377D8DABW	6.2
1998	Cummins	WCEXH0661MAC	10.8
1998	Detroit Diesel Corporation	WDDXH03.8C1C	3.8
1998	Detroit Diesel Corporation	WDDXH08.5FJC	8.5
1998	General Motors	WGMXH06.5522	6.5
1998	General Motors	WGMXH06.5526	6.5
1998	Hino	WHMXH08.0JTR	8
1998	International	WNVXH0444CCB	7.3
1998	International	WNVXH0444CCD	7.3
1998	International	WNVXH0466CCB	7.6
1998	International	WNVXH0466CCD	7.6
1998	International	WNVXH0530CCB	8.7
1998	International	WNVXH0530CCD	8.7
1998	Nissan	WNDXH04.2TAB	4.2
1998	Nissan	WNDXH06.9FAB	6.9
1999	Cummins	XCEXH0359BAI	5.9
1999	Cummins	XCEXH0505CAF	8.3
1999	Cummins	XCEXH0661MAC	10.8
1999	Cummins	XCEXH0661MAG	10.8
1999	Detroit Diesel Corporation	XDDXH03.8C1N	3.8
1999	Detroit Diesel Corporation	XDDXH08.5FJN	8.5
1999	General Motors	XGMXH06.5526	6.5
1999	Hino	XHMXH08.0JTR	8
1999	International	XNVXH0530ACT	8.7

1999	International	XNVXH07.3ACA	7.3
1999	Mitsubishi	XMTXH03.9D4A	3.9
1999	Mitsubishi	XMTXH05.8D6A	5.8
1999	Mitsubishi	XMTXH07.5D6A	7.5
1999	Nissan	XNDXH04.6FAB	4.6

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
1999	Nissan	XNDXH06.9FAB	6.9
1999	Renault	XR3XH0377KWC	6.2
1999	Renault	XR3XH0377LWC	6.2
2000	Cummins	YCEXH0359BAI	5.9
2000	Cummins	YCEXH0505CAF	8.3
2000	Cummins	YCEXH0661MAG	10.8
2000	Detroit Diesel Corporation	YDDXH03.8C1N	3.8
2000	Detroit Diesel Corporation	YDDXH08.5FJN	8.5
2000	General Motors	YGMXH06.5526	6.5
2000	Hino	YHMXH05.3JTD	5.3
2000	Hino	YHMXH08.0JTP	8
2000	Hino	YHMXH08.0JTR	8
2000	International	YNVXH0444ACT	7.3
2000	International	YNVXH0530ACT	8.7
2000	Mitsubishi	YMTXH03.9D4A	3.9
2000	Mitsubishi	YMTXH05.8D6A	5.8
2000	Mitsubishi	YMTXH07.5D6A	7.5
2000	Nissan	YNDXH04.6FAB	4.6
2000	Nissan	YNDXH06.9FAB	6.9
2000	Renault	YR3XH0377KWC	6.2
2001	Caterpillar	1CPXH0442HAK	7.2
2001	Caterpillar	1CPXH0442HBK	7.2
2001	Cummins	1CEXH0359BAO	5.9
2001	Cummins	1CEXH0359BBK	5.9
2001	Cummins	1CEXH0505CAM	8.3
2001	Cummins	1CEXH0540LAB	8.8
2001	Cummins	1CEXH0661MAP	10.8
2001	Hino	1HMXH05.3JTD	5.3
2001	Hino	1HMXH08.0JTP	8
2001	Hino	1HMXH08.0JTR	8
2001	International	1NVXH0530ACT	8.7
2001	International	1NVXH07.3ACE	7.3
2001	Mitsubishi	1MTXH03.9D4A	3.9
2001	Mitsubishi	1MTXH04.8M5A	4.8
2001	Mitsubishi	1MTXH05.8D6A	5.8
2001	Mitsubishi	1MTXH07.5D6A	7.5
2001	Nissan	1NDXH04.6FAB	4.6

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
2001	Nissan	1NDXH06.9FAB	6.9
2002	Caterpillar	2CPXH0442HAK	7.2
2002	Caterpillar	2CPXH0442HBX	7.2
2002	Cummins	2CEXH0359BAO	5.9
2002	Cummins	2CEXH0505CAM	8.3
2002	Cummins	2CEXH0540LAB	8.8
2002	Cummins	2CEXH0661MAP	10.8
2002	Detroit Diesel Corporation	2DDXH12.7FGN	12.7

2002	General Engine Products	2GEPH06.5521	6.5
2002	General Engine Products	2GEPH06.5CFF	6.5
2002	General Motors	2GMXH06.5521	6.5
2002	Hino	2HMXH05.3JTD	5.3
2002	Hino	2HMXH08.0JTP	8
2002	Hino	2HMXH08.0JTR	8
2002	International	2NVXH07.3ACE	7.3
2002	Mitsubishi	2MTXH03.9D4A	3.9
2002	Mitsubishi	2MTXH04.8M5A	4.8
2002	Mitsubishi	2MTXH05.8D6A	5.8
2002	Mitsubishi	2MTXH07.5D6A	7.5
2002	Nissan	2NDXH04.6FAB	4.6
2002	Nissan	2NDXH06.9FAB	6.9
2003	Caterpillar	3CPXH0442HBV	7.2
2003	Caterpillar	3CPXH0442HBX	7.2
2003	Caterpillar	3CPXH0629EBV	10.3
2003	Caterpillar	3CPXH0629EBX	10.3
2003	Caterpillar	3CPXH0729EBV	11.9
2003	Caterpillar	3CPXH0729EBX	11.9
2003	Caterpillar	3CPXH0893EBV	14.6
2003	General Engine Products	3GEPH06.5521	6.5
2003	General Engine Products	3GEPH06.5CFF	6.5
2003	Hino	3HMXH05.3JTD	5.3
2003	Hino	3HMXH08.0JTP	8
2003	Hino	3HMXH08.0JTR	8
2003	Isuzu	3SZXH07.84AA	7.8
2003	Mitsubishi	3MTXH03.9D4A	3.9
2003	Mitsubishi	3MTXH04.8M5A	4.8
2003	Mitsubishi	3MTXH05.8D6A	5.8
2003	Mitsubishi	3MTXH07.5D6A	7.5
2003	Nissan	3NDXH04.6FAB	4.6
2003	Nissan	3NDXH06.9FAB	6.9

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
2004	Caterpillar	4CPXH0442HBK	7.2
2004	Caterpillar	4CPXH0537HBK	8.8
2004	Caterpillar	4CPXH0680EBK	11.1
2004	Caterpillar	4CPXH0763EBK	12.5
2004	Caterpillar	4CPXH0928EBK	15.2
2004	International	4NVXH0466AEA	7.6
2005	Caterpillar	5CPXH0442HBK	7.2
2005	Caterpillar	5CPXH0680EBK	11.1
2005	Caterpillar	5CPXH0763EBK	12.5
2005	Caterpillar	5CPXH0928EBK	15.2
2005	Cummins	5CEXH0359BAE	5.9
2005	Cummins	5CEXH0505CAX	8.3
2005	Cummins	5CEXH0505CAY	8.3
2005	Cummins	5CEXH0540LAH	8.8
2005	Cummins	5CEXH0540LAI	8.8
2006	Caterpillar	6CPXH0442HBK	7.2
2006	Caterpillar	6CPXH0537HBK	8.8
2006	Caterpillar	6CPXH0680EBK	11.1
2006	Caterpillar	6CPXH0763EBK	12.5



<b>2006</b>	Caterpillar	6CPXH0928EBK	15.2
<b>2006</b>	Cummins	6CEXH0505CAX	8.3
<b>2006</b>	Cummins	6CEXH0505CAY	8.3
<b>2006</b>	Cummins	6CEXH0540LAI	8.8
<b>2006</b>	Cummins	6CEXH0540LAJ	8.8



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