

Table 1: ARB-Approved California Engine Families for the ECS' Purifier Plus™

Note: For model years 1993 and 1994 see Table 2.

| Model Year | Manufacturer | Engine Family | Displacement (L) |
|------------|----------------------------|---------------|------------------|
| 1995 | Caterpillar | SCP403DZDAAA | 6.6 |
| 1995 | Caterpillar | SCP403DZDABA | 6.6 |
| 1995 | Caterpillar | SCP629EZDARK | 10.3 |
| 1995 | Caterpillar | SCP638EZDARA | 10.5 |
| 1995 | Caterpillar | SCP893EZDARK | 14.6 |
| 1995 | Caterpillar | SCP629EZDARM | 10.3 |
| 1995 | Caterpillar | SCP442DZDARK | 7.1 |
| 1995 | Caterpillar | SCP403DZDARK | 6.6 |
| 1995 | Caterpillar | SCP729EZDARL | 12 |
| 1995 | Cummins | SCE505D6DABW | 8.3 |
| 1995 | Cummins | SCE505D6DAAW | 8.3 |
| 1995 | Cummins | SCE505D6DAAA | 8.3 |
| 1995 | Cummins | SCE505F6DAAW | 8.3 |
| 1995 | Cummins | SCE359D6DABW | 5.9 |
| 1995 | Cummins | SCE359D6DAAA | 5.9 |
| 1995 | Cummins | SCE359D6DAAW | 5.9 |
| 1995 | Cummins | SCE661EJDARC | 11 |
| 1995 | Cummins | SCE661FJDAAA | 10.8 |
| 1995 | Cummins | SCE661EJDARA | 11 |
| 1995 | Cummins | SCE661EJDARW | 10.8 |
| 1995 | Cummins | SCE855EJDASW | 14 |
| 1995 | Cummins | SCE855EJDARW | 14 |
| 1995 | Cummins | SCE239D6DAAA | 3.9 |
| 1995 | Cummins | SCE661EJDATW | 10.8 |
| 1995 | Cummins | SCE661EJDASW | 10.8 |
| 1995 | Cummins | SCE855EJDATW | 14 |
| 1995 | Cummins | SCE855EJDARA | 14 |
| 1995 | Cummins | SCE855EJDARB | 14 |
| 1995 | Detroit Diesel Corporation | SDD11.EJDARA | 11.1 |
| 1995 | Detroit Diesel Corporation | SDD12.EJDARA | 12.7 |
| 1995 | Detroit Diesel Corporation | SDD8.5EJDARA | 8.5 |
| 1995 | Detroit Diesel Corporation | SDD8.5EJDARW | 8.5 |
| 1995 | Detroit Diesel Corporation | SDD8.5FJDABA | 8.5 |
| 1995 | General Motors | SGM6.5C6DAAB | 6.5 |
| 1995 | General Motors | SGM6.5C6DAAW | 6.5 |
| 1995 | General Motors | SGM6.5C6DAAC | 6.5 |
| 1995 | Hino | SHM6.5D7DARW | 6.5 |
| 1995 | Hino | SHM3.8C7DARW | 3.8 |
| 1995 | International | SNV7.3C8DAAA | 7.3 |
| 1995 | International | SNV444C8DOAA | 7.3 |
| 1995 | International | SNV530D6DARA | 8.7 |
| 1995 | International | SNV444C8DORA | 7.3 |
| 1995 | International | SNV530E6DASA | 8.7 |
| 1995 | International | SNV466D6DARA | 7.6 |
| 1995 | International | SNV466D6DASA | 7.6 |
| 1995 | International | SNV466D6DATA | 7.6 |
| 1995 | International | SNV444C8DOSA | 7.3 |
| 1995 | International | SNV466D8DARB | 7.6 |
| 1995 | International | SNV466D8DASB | 7.6 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 1995 | International | SNV466D8DATB | 7.6 |
| 1995 | International | SNV530F6DATA | 8.7 |
| 1995 | Isuzu | SSZ7.1D6DAAA | 7.1 |
| 1995 | Isuzu | SSZ3.9C6DARW | 3.9 |
| 1995 | Mack | SMK728EJDARA | 11.9 |
| 1995 | Mack | SMK728EGDARA | 11.9 |
| 1995 | Mercedes-Benz | SMB6.0D6DAAA | 6 |
| 1995 | Mercedes-Benz | SMB6.0D6DARA | 6 |
| 1995 | Mitsubishi | SMT460D7DAAA | 7.5 |
| 1995 | Nissan | SND423D6DAAA | 6.9 |
| 1995 | Nissan | SND254C6DAAA | 4.2 |
| 1995 | Perkins | SPK243C6DAAA | 4 |
| 1995 | Perkins | SPK365D6DAAA | 6 |
| 1995 | Renault | SR3377D8DAAW | 6.2 |
| 1995 | Renault | SR3377D8DABW | 6.2 |
| 1995 | Volvo | SVT6.7D6DBRA | 6.7 |
| 1995 | Volvo | SVT12.EJDARA | 12.1 |
| | | | |
| 1996 | Caterpillar | TCP729EZDARL | 12 |
| 1996 | Caterpillar | TCP403DZDAAA | 6.6 |
| 1996 | Caterpillar | TCP403DZDABA | 6.6 |
| 1996 | Caterpillar | TCP638EZDARA | 10.5 |
| 1996 | Caterpillar | TCP442DZDAAK | 7.1 |
| 1996 | Caterpillar | TCP629EZDARK | 10.3 |
| 1996 | Caterpillar | TCP893EZDARK | 14.6 |
| 1996 | Caterpillar | TCP629EZDARM | 10.3 |
| 1996 | Caterpillar | TCP442DZDARK | 7.1 |
| 1996 | Caterpillar | TCP403DZDARK | 6.6 |
| 1996 | Cummins | TCE855EJDATW | 14 |
| 1996 | Cummins | TCE359D6DABW | 5.9 |
| 1996 | Cummins | TCE239D6DAAA | 3.9 |
| 1996 | Cummins | TCE359D6DAAA | 5.9 |
| 1996 | Cummins | TCE505D6DAAA | 8.3 |
| 1996 | Cummins | TCE505D6DAAW | 8.3 |
| 1996 | Cummins | TCE505D6DABW | 8.3 |
| 1996 | Cummins | TCE661FJDABA | 10.8 |
| 1996 | Cummins | TCE855EJDARW | 14 |
| 1996 | Cummins | TCE855EJDASW | 14 |
| 1996 | Cummins | TCE855EJDARA | 14 |
| 1996 | Cummins | TCE855EJDARB | 14 |
| 1996 | Cummins | TCE661EJDARW | 10.8 |
| 1996 | Cummins | TCE661EJDASW | 10.8 |
| 1996 | Cummins | TCE661EJDARA | 10.8 |
| 1996 | Cummins | TCE661EJDATW | 10.8 |
| 1996 | Cummins | TCE661EJDARB | 10.8 |
| 1996 | Cummins | TCE661EJDARC | 10.8 |
| 1996 | Detroit Diesel Corporation | TDD11.EJDARA | 11.1 |
| 1996 | Detroit Diesel Corporation | TDD12.EJDARA | 12.7 |
| 1996 | Detroit Diesel Corporation | TDD8.5EJDARA | 8.5 |
| 1996 | Detroit Diesel Corporation | TDD8.5EJDARW | 8.5 |
| 1996 | Detroit Diesel Corporation | TDD8.5FJDABA | 8.5 |

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|-------------------|----------------------------|----------------------|-------------------------|
| 1996 | Detroit Diesel Corporation | TDD12.EJDATW | 12 |
| 1996 | General Motors | TGM6.5C6DABA | 6.5 |
| 1996 | General Motors | TGM6.5C6DAAA | 6.5 |
| 1996 | General Motors | TGM6.5C6DABW | 6.5 |
| 1996 | Hino | THM6.5D7DARW | 6.5 |
| 1996 | Hino | THM3.8C7DARW | 3.8 |
| 1996 | International | TNV7.3C8DAAA | 7.3 |
| 1996 | International | TNV530D8DARA | 8.7 |
| 1996 | International | TNV530E8DASA | 8.7 |
| 1996 | International | TNV444C8DORA | 7.3 |
| 1996 | International | TNV444C8DOSA | 7.3 |
| 1996 | International | TNV466D6DARB | 7.6 |
| 1996 | International | TNV466D6DATB | 7.6 |
| 1996 | International | TNV466D8DARB | 7.6 |
| 1996 | International | TNV466D8DATB | 7.6 |
| 1996 | International | TNV530D6DARA | 8.7 |
| 1996 | International | TNV530E6DASA | 8.7 |
| 1996 | Isuzu | TSZ7.1D6DAAA | 7.1 |
| 1996 | Isuzu | TSZ3.9C6DARW | 3.9 |
| 1996 | Mack | TMK728EGDARA | 11.9 |
| 1996 | Mack | TMK728EJDARA | 11.9 |
| 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 | TR3377D8DABW | 6.2 |
| 1996 | Renault | TR3377D8DAAW | 6.2 |
| 1996 | Volvo | TVT6.7D6DBRA | 6.7 |
| 1996 | Volvo | TVT12.EJDBRA | 12.1 |
| | | | |
| 1997 | Caterpillar | VCP403DZDAAA | 6.6 |
| 1997 | Caterpillar | VCP403DZDABA | 6.6 |
| 1997 | Caterpillar | VCP403DZDARK | 6.6 |
| 1997 | Caterpillar | VCP442DZDAAK | 7.1 |
| 1997 | Caterpillar | VCP442DZDARK | 7.1 |
| 1997 | Caterpillar | VCP638EZDARA | 10.5 |
| 1997 | Caterpillar | VCP629EZDARK | 10.3 |
| 1997 | Caterpillar | VCP629EZDARX | 10.3 |
| 1997 | Caterpillar | VCP729EZDARX | 12 |
| 1997 | Caterpillar | VCP893EZDARA | 14.6 |
| 1997 | Caterpillar | VCP893EZDARX | 14.6 |
| 1997 | Caterpillar | VCP967EZDARK | 15.8 |
| 1997 | Cummins | VCE855EJDATW | 14 |
| 1997 | Cummins | VCE855EJDARA | 14 |
| 1997 | Cummins | VCE855EJDARB | 14 |
| 1997 | Cummins | VCE661EJDATW | 10.8 |
| 1997 | Cummins | VCE661EJDARB | 10.8 |
| 1997 | Cummins | VCE661FJDABA | 10.8 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 1997 | Cummins | VCE661EJDARC | 10.8 |
| 1997 | Cummins | VCE505D6DAAA | 8.3 |
| 1997 | Cummins | VCE505D6DABW | 8.3 |
| 1997 | Cummins | VCE855EJDARC | 14 |
| 1997 | Cummins | VCE661EJDASA | 10.8 |
| 1997 | Cummins | VCE239D6DAAA | 3.9 |
| 1997 | Cummins | VCE359D6DAAA | 5.9 |
| 1997 | Cummins | VCE359DJDARA | 5.9 |
| 1997 | Cummins | VCE359D6DABW | 5.9 |
| 1997 | Cummins | VCE505D6DAAW | 8.3 |
| 1997 | Detroit Diesel Corporation | VDD11.EJDARA | 11.1 |
| 1997 | Detroit Diesel Corporation | VDD12.EJDARA | 12.7 |
| 1997 | Detroit Diesel Corporation | VDD8.5EJDARA | 8.5 |
| 1997 | Detroit Diesel Corporation | VDD8.5FJDABA | 8.5 |
| 1997 | Detroit Diesel Corporation | VDD12.EJDATA | 12 |
| 1997 | Detroit Diesel Corporation | VDD3.8C8DABA | 3.8 |
| 1997 | General Motors | VGM6.5C6DAAA | 6.5 |
| 1997 | General Motors | VGM6.5C6DABA | 6.5 |
| 1997 | General Motors | VGM6.5C6DABW | 6.5 |
| 1997 | General Motors | VGM6.5C6DARW | 6.5 |
| 1997 | Hino | VHM8.0DHDARA | 8 |
| 1997 | International | VNV7.3C8DAAW | 7.3 |
| 1997 | International | VNV7.3C8DAAA | 7.3 |
| 1997 | International | VNV530E8DASA | 8.7 |
| 1997 | International | VNV530D8DARA | 8.7 |
| 1997 | International | VNV530E6DASA | 8.7 |
| 1997 | International | VNV530D6DARA | 8.7 |
| 1997 | International | VNV466D6DARA | 7.6 |
| 1997 | International | VNV466D8DARW | 7.6 |
| 1997 | International | VNV466D8DASA | 7.6 |
| 1997 | International | VNV444C8DARW | 7.3 |
| 1997 | International | VNV444C8DASW | 7.3 |
| 1997 | Isuzu | VSZ7.1D6DAAA | 7.1 |
| 1997 | Isuzu | VSZ3.9C6DARA | 3.9 |
| 1997 | Isuzu | VSZ7.1D6DAAW | 7.1 |
| 1997 | Mack | VMK728EGDARA | 11.9 |
| 1997 | Mack | VMK728EJDARA | 11.9 |
| 1997 | Mack | VMK728EJDAYW | 11.9 |
| 1997 | Mitsubishi | VMT460D7DBAA | 7.5 |
| 1997 | Mitsubishi | VMT358D7DBAA | 5.9 |
| 1997 | Mitsubishi | VMT238C7DBAA | 3.9 |
| 1997 | Nissan | VND254C6DAAA | 4.2 |
| 1997 | Nissan | VND423D6DAAA | 6.9 |
| 1997 | Renault | VR3377D8DAAW | 6.2 |
| 1997 | Renault | VR3377D8DABW | 6.2 |
| 1997 | Volvo | VVT12.EJDBRA | 12.1 |
| 1997 | Volvo | VVT6.7D6DBRA | 6.7 |
| | | | |
| 1998 | Caterpillar | WCPXH0442HSK | 7.1 |
| 1998 | Caterpillar | WCPXH0442HRK | 7.1 |
| 1998 | Caterpillar | WCPXH0729ERK | 12 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 1998 | Caterpillar | WCPXH0629ERK | 10.3 |
| 1998 | Caterpillar | WCPXH0893ERK | 14.6 |
| 1998 | Caterpillar | WCPXH0967ERK | 15.8 |
| 1998 | Cummins | WCEXH0661MAC | 10.8 |
| 1998 | Cummins | WCEXH0359BAE | 5.9 |
| 1998 | Cummins | WCEXH0359BAD | 5.9 |
| 1998 | Cummins | WCEXH0855NAA | 14 |
| 1998 | Cummins | WCEXH0855NAB | 14 |
| 1998 | Cummins | WCEXH0855NAC | 14 |
| 1998 | Cummins | WCEXH0505CAE | 8.3 |
| 1998 | Cummins | WCEXH0661MAA | 10.8 |
| 1998 | Cummins | WCEXH0661MAB | 10.8 |
| 1998 | Cummins | WCEXH0661MAD | 10.8 |
| 1998 | Cummins | WCEXH0661MAE | 10.8 |
| 1998 | Cummins | WCEXH0505CAC | 8.3 |
| 1998 | Cummins | WCEXH0505CAD | 8.3 |
| 1998 | Cummins | WCEXH0505CAF | 8.3 |
| 1998 | Cummins | WCEXH0912XAA | 14.9 |
| 1998 | Detroit Diesel Corporation | WDDXH03.8C1C | 3.8 |
| 1998 | Detroit Diesel Corporation | WDDXH08.5EJD | 8.5 |
| 1998 | Detroit Diesel Corporation | WDDXH12.7EGD | 12.7 |
| 1998 | Detroit Diesel Corporation | WDDXH11.1EHD | 11.1 |
| 1998 | Detroit Diesel Corporation | WDDXH08.5FJC | 8.5 |
| 1998 | General Motors | WGMXH06.5526 | 6.5 |
| 1998 | General Motors | WGMXH06.5521 | 6.5 |
| 1998 | General Motors | WGMXH06.5522 | 6.5 |
| 1998 | General Motors | WGMXH06.5523 | 6.5 |
| 1998 | Hino | WHMXH08.0JTR | 5.3 |
| 1998 | International | WNVXH0530CCB | 8.7 |
| 1998 | International | WNVXH0530CCD | 8.7 |
| 1998 | International | WNVXH0466CCB | 7.6 |
| 1998 | International | WNVXH0466CCD | 7.6 |
| 1998 | International | WNVXH0444CCB | 7.3 |
| 1998 | International | WNVXH0444CCD | 7.3 |
| 1998 | Isuzu | WSZXH07.84RA | 7.8 |
| 1998 | Mack | WMKXH11.9E51 | 11.9 |
| 1998 | Mack | WMKXH11.9E52 | 11.9 |
| 1998 | Mack | WMKXH11.9E53 | 11.9 |
| 1998 | Mercedes-Benz | WMBXH4.25DJA | 4.2 |
| 1998 | Nissan | WNDXH04.2TAB | 4.2 |
| 1998 | Nissan | WNDXH06.9FAB | 6.9 |
| 1998 | Volvo | WVTXH07.350S | 7.3 |
| 1998 | Volvo | WVTXH12.150S | 12.1 |
| 1999 | | | |
| 1999 | Caterpillar | XCPXH0442HRK | 7.1 |
| 1999 | Caterpillar | XCPXH0629ERK | 10.3 |
| 1999 | Caterpillar | XCPXH0729ERK | 12 |
| 1999 | Caterpillar | XCPXH0893ERK | 14.6 |
| 1999 | Caterpillar | XCPXH0967ERK | 15.8 |
| 1999 | Caterpillar | XCPXH0442HSK | 7.2 |
| 1999 | Cummins | XCEXH0359BAI | 5.9 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 1999 | Cummins | XCEXH0505CAC | 8.3 |
| 1999 | Cummins | XCEXH0505CAD | 8.3 |
| 1999 | Cummins | XCEXH0505CAE | 8.3 |
| 1999 | Cummins | XCEXH0505CAF | 8.3 |
| 1999 | Cummins | XCEXH0359BAJ | 5.9 |
| 1999 | Cummins | XCEXH0359BAK | 5.9 |
| 1999 | Cummins | XCEXH0661MAH | 10.8 |
| 1999 | Cummins | XCEXH0661MAI | 10.8 |
| 1999 | Cummins | XCEXH0661MAG | 10.8 |
| 1999 | Cummins | XCEXH0855NAD | 14 |
| 1999 | Cummins | XCEXH0855NAE | 14 |
| 1999 | Cummins | XCEXH0855NAF | 14 |
| 1999 | Cummins | XCEXH0661MAC | 10.8 |
| 1999 | Cummins | XCEXH0912XAB | 14.9 |
| 1999 | Cummins | XCEXH0912XAD | 14.9 |
| 1999 | Detroit Diesel Corporation | XDDXH12.7EGL | 12.7 |
| 1999 | Detroit Diesel Corporation | XDDXH11.1EHL | 11.1 |
| 1999 | Detroit Diesel Corporation | XDDXH08.5EJL | 8.5 |
| 1999 | Detroit Diesel Corporation | XDDXH08.5FJN | 8.5 |
| 1999 | Detroit Diesel Corporation | XDDXH03.8C1N | 3.8 |
| 1999 | Detroit Diesel Corporation | XDDXH14.0ELL | 14 |
| 1999 | General Motors | XGMXH06.5521 | 6.5 |
| 1999 | General Motors | XGMXH06.5523 | 6.5 |
| 1999 | General Motors | XGMXH06.5526 | 6.5 |
| 1999 | Hino | XHMXH08.0JTR | 5.3 |
| 1999 | International | XNVXH07.3ACA | 7.3 |
| 1999 | International | XNVXH0444ANA | 7.3 |
| 1999 | International | XNVXH0444ANB | 7.3 |
| 1999 | International | XNVXH0466ANA | 7.6 |
| 1999 | International | XNVXH0466ANB | 7.6 |
| 1999 | International | XNVXH0530ANA | 8.6 |
| 1999 | International | XNVXH0530ANB | 8.6 |
| 1999 | International | XNVXH0530ACT | 8.6 |
| 1999 | International | XNVXH07.3ANE | 7.3 |
| 1999 | Isuzu | XSZXH07.84RA | 7.8 |
| 1999 | Mack | XMKXH11.9E54 | 11.9 |
| 1999 | Mercedes-Benz | XMBXH6.37DJA | 6.4 |
| 1999 | Mercedes-Benz | XMBXH4.25DJA | 4.2 |
| 1999 | Mitsubishi | XMTXH03.9D4A | 3.9 |
| 1999 | Mitsubishi | XMTXH05.8D6A | 5.9 |
| 1999 | Mitsubishi | XMTXH07.5D6A | 7.5 |
| 1999 | Nissan | XNDXH04.6FAB | 4.6 |
| 1999 | Nissan | XNDXH06.9FAB | 6.9 |
| 1999 | Renault | XR3XH0377LWC | 6.2 |
| 1999 | Renault | XR3XH0377KWC | 6.2 |
| 1999 | Volvo | XVTXH12.150S | 12.1 |
| 1999 | Volvo | XVTXH07.350S | 7.3 |
| 1999 | Volvo | XVTXH07.399B | 7.3 |
| | | | |
| 2000 | Caterpillar | YCPXH0442HRK | 7.2 |
| | | YCPXH0629ERK | |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 2000 | Caterpillar | YCPXH0729ERK | 12 |
| 2000 | Caterpillar | YCPXH0893ERK | 14.6 |
| 2000 | Caterpillar | YCPXH0967ERK | 15.8 |
| 2000 | Cummins | YCEXH0359BAO | 5.9 |
| 2000 | Cummins | YCEXH0359BAP | 5.9 |
| 2000 | Cummins | YCEXH0505CAG | 8.3 |
| 2000 | Cummins | YCEXH0505CAH | 8.3 |
| 2000 | Cummins | YCEXH0505CAI | 8.3 |
| 2000 | Cummins | YCEXH0540LAA | 8.8 |
| 2000 | Cummins | YCEXH0912XAC | 14.9 |
| 2000 | Cummins | YCEXH0912XAD | 14.9 |
| 2000 | Cummins | YCEXH0855NAF | 14 |
| 2000 | Cummins | YCEXH0855NAE | 14 |
| 2000 | Cummins | YCEXH0855NAD | 14 |
| 2000 | Cummins | YCEXH0912XAE | 14.9 |
| 2000 | Cummins | YCEXH0661MAG | 11 |
| 2000 | Cummins | YCEXH0661MAH | 11 |
| 2000 | Cummins | YCEXH0661MAI | 11 |
| 2000 | Cummins | YCEXH0505CAF | 8.3 |
| 2000 | Cummins | YCEXH0359BAI | 5.9 |
| 2000 | DaimlerChrysler | YMBXH6.37DJA | 6.4 |
| 2000 | DaimlerChrysler | YMBXH4.25DJA | 4.2 |
| 2000 | Detroit Diesel Corporation | YDDXH03.8C1N | 3.8 |
| 2000 | Detroit Diesel Corporation | YDDXH08.5FJN | 8.5 |
| 2000 | Detroit Diesel Corporation | YDDXH14.0ELL | 14 |
| 2000 | Detroit Diesel Corporation | YDDXH12.7EGL | 12.7 |
| 2000 | Detroit Diesel Corporation | YDDXH08.5EJL | 8.5 |
| 2000 | Detroit Diesel Corporation | YDDXH08.5EJB | 8.5 |
| 2000 | General Motors | YGMXH06.5521 | 6.5 |
| 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 | YNVXH0444ANA | 7.3 |
| 2000 | International | YNVXH0466ANA | 7.6 |
| 2000 | International | YNVXH0466ANB | 7.6 |
| 2000 | International | YNVXH0530ANA | 8.7 |
| 2000 | International | YNVXH0530ANB | 8.7 |
| 2000 | International | YNVXH07.3ANA | 7.3 |
| 2000 | International | YNVXH0444ANB | 7.3 |
| 2000 | International | YNVXH0444ANC | 7.3 |
| 2000 | International | YNVXH0444ACT | 7.3 |
| 2000 | International | YNVXH0530ACT | 8.6 |
| 2000 | Isuzu | YSZXH07.84RA | 7.8 |
| 2000 | Mack | YMKXH11.9E56 | 11.9 |
| 2000 | Mack | YMKXH11.9V57 | 11.9 |
| 2000 | Mitsubishi | YMTXH03.9D4A | 3.9 |
| 2000 | Mitsubishi | YMTXH05.8D6A | 5.9 |
| 2000 | Mitsubishi | YMTXH07.5D6A | 7.5 |
| 2000 | Nissan | YNDXH04.6FAB | 4.6 |
| 2000 | Nissan | YNDXH06.9FAB | 6.9 |

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|-------------------|----------------------------|----------------------|-------------------------|
| 2000 | Renault | YR3XH0377KWC | 6.2 |
| 2000 | Volvo | YVTXH12.150S | 12.1 |
| 2000 | Volvo | YVTXH07.350S | 7.3 |
| 2001 | | | |
| 2001 | Caterpillar | 1CPXH0442HAK | 7.2 |
| 2001 | Caterpillar | 1CPXH0442HRK | 7.3 |
| 2001 | Caterpillar | 1CPXH0629ERK | 10.3 |
| 2001 | Caterpillar | 1CPXH0729ERK | 12 |
| 2001 | Caterpillar | 1CPXH0893ERK | 14.6 |
| 2001 | Caterpillar | 1CPXH0967ERK | 15.8 |
| 2001 | Caterpillar | 1CPXH0442HBK | 7.2 |
| 2001 | Cummins | 1CEXH0239BAD | 3.9 |
| 2001 | Cummins | 1CEXH0239BAE | 3.9 |
| 2001 | Cummins | 1CEXH0505CAM | 8.3 |
| 2001 | Cummins | 1CEXH0359BAO | 5.9 |
| 2001 | Cummins | 1CEXH0359BAU | 5.9 |
| 2001 | Cummins | 1CEXH0359BAV | 5.9 |
| 2001 | Cummins | 1CEXH0505CAN | 8.3 |
| 2001 | Cummins | 1CEXH0661MAP | 10.6 |
| 2001 | Cummins | 1CEXH0661MAQ | 10.6 |
| 2001 | Cummins | 1CEXH0661MAR | 10.6 |
| 2001 | Cummins | 1CEXH0912XAC | 15 |
| 2001 | Cummins | 1CEXH0912XAD | 15 |
| 2001 | Cummins | 1CEXH0912XAE | 15 |
| 2001 | Cummins | 1CEXH0505CAO | 8.3 |
| 2001 | Cummins | 1CEXH0505CAP | 8.3 |
| 2001 | Cummins | 1CEXH0540LAA | 8.8 |
| 2001 | Cummins | 1CEXH0855NAD | 14 |
| 2001 | Cummins | 1CEXH0855NAE | 14 |
| 2001 | Cummins | 1CEXH0855NAF | 14 |
| 2001 | Cummins | 1CEXH0540LAB | 8.9 |
| 2001 | Cummins | 1CEXH0540LAC | 8.8 |
| 2001 | Detroit Diesel Corporation | 1DDXH08.5EJB | 8.5 |
| 2001 | Detroit Diesel Corporation | 1DDXH08.5EJL | 8.5 |
| 2001 | Detroit Diesel Corporation | 1DDXH12.7EGL | 12.7 |
| 2001 | Detroit Diesel Corporation | 1DDXH14.0ELL | 14 |
| 2001 | General Engine Products | 1GEPH06.5CFF | 6.5 |
| 2001 | General Motors | 1GMXH06.5521 | 6.5 |
| 2001 | General Motors | 1GMXH06.5526 | 6.5 |
| 2001 | Hino | 1HMXH08.0JTR | 8 |
| 2001 | Hino | 1HMXH05.3JTD | 5.3 |
| 2001 | Hino | 1HMXH08.0JTP | 8 |
| 2001 | International | 1NVXH07.3ANA | 7.3 |
| 2001 | International | 1NVXH0444ANA | 7.3 |
| 2001 | International | 1NVXH07.3ACE | 7.3 |
| 2001 | International | 1NVXH0444ANB | 7.3 |
| 2001 | International | 1NVXH0444ANC | 7.3 |
| 2001 | International | 1NVXH0466ANA | 7.6 |
| 2001 | International | 1NVXH0466ANB | 7.6 |
| 2001 | International | 1NVXH0530ANA | 8.7 |
| 2001 | International | 1NVXH0530ANB | 8.7 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|---------------------|----------------------|-------------------------|
| 2001 | International | 1NVXH0530ACT | 8.7 |
| 2001 | Isuzu | 1SZXH07.84RA | 7.8 |
| 2001 | Mack | 1MKXH11.9H56 | 11.9 |
| 2001 | Mack | 1MKXH11.9V57 | 11.9 |
| 2001 | Mack | 1MKXH11.9H59 | 11.9 |
| 2001 | Mack | 1MKXH11.9V60 | 11.9 |
| 2001 | Mack | 1MKXH11.9V61 | 11.9 |
| 2001 | Mercedes-Benz | 1MBXH6.37DJC | 6.37 |
| 2001 | Mercedes-Benz | 1MBXH4.25DJA | 4.25 |
| 2001 | Mercedes-Benz | 1MBXH6.37DJA | 6.37 |
| 2001 | Mercedes-Benz | 1MBXH12.0DJA | 12 |
| 2001 | Mercedes-Benz | 1MBXH12.8DJA | 12.8 |
| 2001 | Mitsubishi | 1MTXH03.9D4A | 3.9 |
| 2001 | Mitsubishi | 1MTXH05.8D6A | 5.9 |
| 2001 | Mitsubishi | 1MTXH07.5D6A | 7.6 |
| 2001 | Mitsubishi | 1MTXH04.8M5A | 4.9 |
| 2001 | Nissan | 1NDXH06.9FAB | 7 |
| 2001 | Nissan | 1NDXH04.6FAB | 4.6 |
| 2001 | Volvo | 1VTXH07.350S | 7.3 |
| 2001 | Volvo | 1VTXH12.150S | 12.1 |
| | | | |
| 2002 | Caterpillar | 2CPXH0442HAK | 7.2 |
| 2002 | Caterpillar | 2CPXH0442HBX | 7.2 |
| 2002 | Caterpillar | 2CPXH0442HRK | 7.2 |
| 2002 | Caterpillar | 2CPXH0629ERK | 9.9 |
| 2002 | Caterpillar | 2CPXH0729ERK | 11.9 |
| 2002 | Caterpillar | 2CPXH0893ERK | 14.5 |
| 2002 | Caterpillar | 2CPXH0967ERK | 15.7 |
| 2002 | Caterpillar | 2CPXH0442HBV | 7.2 |
| 2002 | Caterpillar | 2CPXH0629EBX | 10.0 |
| 2002 | Caterpillar | 2CPXH0729EBX | 11.9 |
| 2002 | Caterpillar | 2CPXH0893EBX | 14.6 |
| 2002 | Cummins | 2CEXH0239BAD | 3.9 |
| 2002 | Cummins | 2CEXH0239BAE | 3.9 |
| 2002 | Cummins | 2CEXH0359BAB | 5.9 |
| 2002 | Cummins | 2CEXH0359BAO | 5.9 |
| 2002 | Cummins | 2CEXH0505CAM | 8.3 |
| 2002 | Cummins | 2CEXH0505CAN | 8.3 |
| 2002 | Cummins | 2CEXH0505CAQ | 8.3 |
| 2002 | Cummins | 2CEXH0540LAB | 8.8 |
| 2002 | Cummins | 2CEXH0540LAC | 8.8 |
| 2002 | Cummins | 2CEXH0661MAP | 10.8 |
| 2002 | Cummins | 2CEXH0661MAS | 10.8 |
| 2002 | Cummins | 2CEXH0855NAA | 14.0 |
| 2002 | Cummins | 2CEXH0912XAF | 15.0 |
| 2002 | Cummins | 2CEXH0912XAG | 15.0 |
| 2002 | DaimlerChrysler | 2MBXH4.25DJA | 4.25 |
| 2002 | DaimlerChrysler | 2MBXH6.37DJA | 6.37 |
| 2002 | DaimlerChrysler | 2MBXH6.37DJC | 6.37 |
| 2002 | DaimlerChrysler | 2MBXH12.0DJA | 12 |
| | | 2MBXH12.8DJA | |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 2002 | DaimlerChrysler | 2MBXH15.9DJB | 15.9 |
| 2002 | Detroit Diesel Corporation | 2DDXH12.7FGN | 12.7 |
| 2002 | Detroit Diesel Corporation | 2DDXH08.5EJL | 8.5 |
| 2002 | Detroit Diesel Corporation | 2DDXH12.7EGL | 12.7 |
| 2002 | Detroit Diesel Corporation | 2DDXH14.0ELL | 14.0 |
| 2002 | General Engine Products | 2GEPH06.5CFF | 6.5 |
| 2002 | General Engine Products | 2GEPH06.5521 | 6.5 |
| 2002 | General Engine Products | 2GEPH06.5527 | 6.5 |
| 2002 | General Motors | 2GMXH06.5521 | 6.5 |
| 2002 | Hino | 2HMXH05.3JTD | 5.3 |
| 2002 | Hino | 2HMXH08.0JTP | 8.0 |
| 2002 | Hino | 2HMXH08.0JTR | 8.0 |
| 2002 | International | 2NVXH07.3ANA | 7.3 |
| 2002 | International | 2NVXH07.3ACE | 7.3 |
| 2002 | International | 2NVXH0444ANA | 7.3 |
| 2002 | International | 2NVXH0530ANC | 8.6 |
| 2002 | International | 2NVXH0444ANB | 7.3 |
| 2002 | International | 2NVXH0444ANC | 7.3 |
| 2002 | International | 2NVXH0466ANA | 7.6 |
| 2002 | International | 2NVXH0466ANB | 7.6 |
| 2002 | International | 2NVXH0530ANA | 8.6 |
| 2002 | International | 2NVXH0530ANB | 8.7 |
| 2002 | International | 2NVXH0365AEA | 6.0 |
| 2002 | Isuzu | 2SZXH07.84RA | 7.8 |
| 2002 | Isuzu | 2SZXH06.64RA | 6.6 |
| 2002 | Mack | 2MKXH11.9H59 | 11.9 |
| 2002 | Mack | 2MKXH11.9V60 | 11.9 |
| 2002 | Mack | 2MKXH11.9V61 | 11.9 |
| 2002 | Mack | 2MKXH11.9H63 | 11.9 |
| 2002 | Mack | 2MKXH11.9V65 | 11.9 |
| 2002 | Mack | 2MKXH11.9V66 | 11.9 |
| 2002 | Mack | 2MKXH11.9V67 | 11.9 |
| 2002 | Mack | 2MKXH11.9H64 | 11.9 |
| 2002 | Mitsubishi | 2MTXH07.5D6A | 7.5 |
| 2002 | Mitsubishi | 2MTXH03.9D4A | 3.9 |
| 2002 | Mitsubishi | 2MTXH04.8M5A | 4.9 |
| 2002 | Mitsubishi | 2MTXH05.8D6A | 5.9 |
| 2002 | Nissan | 2NDXH04.6FAB | 4.6 |
| 2002 | Nissan | 2NDXH06.9FAB | 6.9 |
| 2002 | Renault | 2R3XH0377BNA | 6.2 |
| 2002 | Renault | 2R3XH0377CNA | 6.2 |
| 2002 | Volvo | 2VTXH12.150S | 12.1 |
| 2002 | Volvo | 2VTXH07.350S | 7.3 |
| 2003 | | | |
| 2003 | Caterpillar | 3CPXH0442HBV | 7.2 |
| 2003 | Caterpillar | 3CPXH0629EBV | 10 |
| 2003 | Caterpillar | 3CPXH0729EBV | 11.9 |
| 2003 | Caterpillar | 3CPXH0893EBV | 14.6 |
| 2003 | Caterpillar | 3CPXH0442HBX | 7.2 |
| 2003 | Caterpillar | 3CPXH0629EBX | 10 |
| 2003 | Caterpillar | 3CPXH0729EBX | 11.9 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 2003 | Cummins | 3CEXH0912XAH | 14.9 |
| 2003 | Cummins | 3CEXH0359BAG | 5.9 |
| 2003 | Cummins | 3CEXH0359BAH | 5.9 |
| 2003 | Cummins | 3CEXH0661MAT | 10.8 |
| 2003 | Cummins | 3CEXH0661MAU | 10.8 |
| 2003 | Cummins | 3CEXH0912XAJ | 14.9 |
| 2003 | Cummins | 3CEXH0505CAN | 8.3 |
| 2003 | Cummins | 3CEXH0505CAQ | 8.3 |
| 2003 | Cummins | 3CEXH0540LAC | 8.8 |
| 2003 | Cummins | 3CEXH0239BAD | 3.9 |
| 2003 | DaimlerChrysler | 3MBXH6.37DJA | 6.4 |
| 2003 | DaimlerChrysler | 3MBXH4.25DJC | 4.25 |
| 2003 | DaimlerChrysler | 3MBXH4.25DJA | 4.3 |
| 2003 | DaimlerChrysler | 3MBXH6.37DJC | 6.4 |
| 2003 | DaimlerChrysler | 3MBXH12.0DJA | 12 |
| 2003 | DaimlerChrysler | 3MBXH12.8DJA | 12.8 |
| 2003 | DaimlerChrysler | 3MBXH15.9DJB | 11.9 |
| 2003 | Detroit Diesel Corporation | 3DDXH12.7EGY | 12.7 |
| 2003 | Detroit Diesel Corporation | 3DDXH14.0ELY | 14 |
| 2003 | General Engine Products | 3GEPH06.5CFF | 6.5 |
| 2003 | General Engine Products | 3GEPH06.5527 | 6.5 |
| 2003 | General Engine Products | 3GEPH06.5521 | 6.5 |
| 2003 | Hino | 3HMXH05.3JTD | 5.3 |
| 2003 | Hino | 3HMXH08.0JTP | 8 |
| 2003 | Hino | 3HMXH08.0JTR | 8 |
| 2003 | International | 3NVXH0444ANB | 7.3 |
| 2003 | International | 3NVXH0444ANC | 7.3 |
| 2003 | International | 3NVXH0365AEA | 6 |
| 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 | 3SZXH07.84AA | 7.8 |
| 2003 | Isuzu | 3SZXH07.84RA | 7.8 |
| 2003 | Mack | 3MKXH11.9H64 | 11.9 |
| 2003 | Mack | 3MKXH11.9V65 | 11.9 |
| 2003 | Mack | 3MKXH11.9V67 | 11.9 |
| 2003 | Mack | 3MKXH11.9V68 | 11.9 |
| 2003 | Mack | 3MKXH11.9H70 | 11.9 |
| 2003 | Mitsubishi | 3MTXH03.9D4A | 3.9 |
| 2003 | Mitsubishi | 3MTXH05.8D6A | 5.9 |
| 2003 | Mitsubishi | 3MTXH07.5D6A | 7.5 |
| 2003 | Mitsubishi | 3MTXH04.8M5A | 4.9 |
| 2003 | Nissan | 3NDXH04.6FAB | 4.6 |
| 2003 | Nissan | 3NDXH06.9FAB | 6.9 |
| 2003 | Volvo | 3VTXH12.150S | 12.1 |
| | | | |
| 2004 | Caterpillar | 4CPXH0442HBK | 7.2 |
| 2004 | Caterpillar | 4CPXH0537HBX | 8.8 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 2004 | Caterpillar | 4CPXH0928EBK | 15 |
| 2004 | Caterpillar | 4CPXH0763EBK | 12.5 |
| 2004 | Caterpillar | 4CPXH0680EBK | 11.1 |
| 2004 | Caterpillar | 4CPXH0537HBK | 8.8 |
| 2004 | Cummins | 4CEXH0359BAG | 5.9 |
| 2004 | Cummins | 4CEXH0359BAH | 5.9 |
| 2004 | Cummins | 4CEXH0505CAR | 8.3 |
| 2004 | Cummins | 4CEXH0540LAE | 8.8 |
| 2004 | Cummins | 4CEXH0661MAT | 10.8 |
| 2004 | Cummins | 4CEXH0661MAU | 10.8 |
| 2004 | Cummins | 4CEXH0912XAH | 14.9 |
| 2004 | Cummins | 4CEXH0912XAJ | 14.9 |
| 2004 | DaimlerChrysler | 4MBXH4.25DJA | 4.25 |
| 2004 | DaimlerChrysler | 4MBXH6.37DJA | 6.37 |
| 2004 | DaimlerChrysler | 4MBXH12.8DJA | 12.8 |
| 2004 | Detroit Diesel Corporation | 4DDXH12.7EGY | 12.7 |
| 2004 | Detroit Diesel Corporation | 4DDXH14.0ELY | 14 |
| 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 |
| 2004 | Isuzu | 4SZXH07.84RA | 7.8 |
| 2004 | Isuzu | 4SZXH07.84RW | 7.84 |
| 2004 | Mack | 4MKXH11.9V65 | 11.9 |
| 2004 | Mack | 4MKXH11.9V67 | 11.9 |
| 2004 | Mack | 4MKXH11.9H70 | 11.9 |
| 2004 | Mack | 4MKXH11.9H64 | 11.9 |
| 2004 | Mack | 4MKXH11.9V71 | 11.9 |
| 2004 | Mack | 4MKXH11.9H73 | 11.9 |
| 2004 | Volvo | 4VTXH12.150S | 12.1 |
| | | | |
| 2005 | Caterpillar | 5CPXH0928EBK | 15.2 |
| 2005 | Caterpillar | 5CPXH0537HBK | 8.8 |
| 2005 | Caterpillar | 5CPXH0442HBK | 7.2 |
| 2005 | Caterpillar | 5CPXH0680EBK | 11.1 |
| 2005 | Caterpillar | 5CPXH0763EBK | 12.5 |
| 2005 | Cummins | 5CEXH0661MAX | 10.8 |
| 2005 | Cummins | 5CEXH0359BAG | 5.9 |
| 2005 | Cummins | 5CEXH0359BAH | 5.9 |
| 2005 | Cummins | 5CEXH0359BAF | 5.9 |
| 2005 | Cummins | 5CEXH0505CAR | 8.3 |
| 2005 | Cummins | 5CEXH0661MAT | 10.8 |
| 2005 | Cummins | 5CEXH0661MAU | 10.8 |
| 2005 | Cummins | 5CEXH0912XAH | 14.9 |
| 2005 | Cummins | 5CEXH0912XAJ | 14.9 |
| 2005 | Cummins | 5CEXH0540LAE | 8.8 |
| 2005 | Cummins | 5CEXH0505CAX | 8.3 |
| 2005 | Cummins | 5CEXH0505CAY | 8.3 |
| 2005 | Cummins | 5CEXH0540LAH | 8.9 |
| 2005 | Cummins | 5CEXH0540LAI | 8.9 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|----------------------------|----------------------|-------------------------|
| 2005 | DaimlerChrysler | 5MBXH7.20DJA | 7.2 |
| 2005 | DaimlerChrysler | 5MBXH4.25DJA | 4.25 |
| 2005 | DaimlerChrysler | 5MBXH6.37DJA | 6.37 |
| 2005 | DaimlerChrysler | 5MBXH12.8DJA | 12.8 |
| 2005 | Detroit Diesel Corporation | 5DDXH14.0ELY | 14 |
| 2005 | Detroit Diesel Corporation | 5DDXH12.7EGY | 12.7 |
| 2005 | Isuzu | 5SZXH07.84RB | 7.8 |
| 2005 | Isuzu | 5SZXH07.84RA | 7.8 |
| 2005 | Isuzu | 5SZXH07.84RW | 7.8 |
| 2005 | Mack | 5MKXH11.9H70 | 11.9 |
| 2005 | Mack | 5MKXH11.9V71 | 11.9 |
| 2005 | Mack | 5MKXH11.9V74 | 11.9 |
| 2005 | Mack | 5MKXH11.9V65 | 11.9 |
| 2005 | Mack | 5MKXH11.9H73 | 11.9 |
| 2005 | Mack | 5MKXH11.9V67 | 11.9 |
| 2005 | Volvo | 5VTXH12.150S | 12.1 |
| | | | |
| 2006 | Caterpillar | 6CPXH0442HBK | 7.2 |
| 2006 | Caterpillar | 6CPXH0537HBK | 8.8 |
| 2006 | Caterpillar | 6CPXH0680EBK | 11.1 |
| 2006 | Caterpillar | 6CPXH0763EBK | 12.5 |
| 2006 | Caterpillar | 6CPXH0928EBK | 15.2 |
| 2006 | Cummins | 6CEXH0540LAJ | 8.9 |
| 2006 | Cummins | 6CEXH0661MAT | 10.8 |
| 2006 | Cummins | 6CEXH0661MAU | 10.8 |
| 2006 | Cummins | 6CEXH0661MAX | 10.8 |
| 2006 | Cummins | 6CEXH0912XAH | 14.9 |
| 2006 | Cummins | 6CEXH0912XAJ | 14.9 |
| 2006 | Cummins | 6CEXH0505CAX | 8.3 |
| 2006 | Cummins | 6CEXH0505CAY | 8.3 |
| 2006 | Cummins | 6CEXH0359BAF | 5.9 |
| 2006 | Cummins | 6CEXH0359BAG | 5.9 |
| 2006 | Cummins | 6CEXH0359BAH | 5.9 |
| 2006 | Cummins | 6CEXH0540LAI | 8.9 |
| 2006 | Cummins | 6CEXH0359BAI | 5.9 |
| 2006 | DaimlerChrysler | 6MBXH4.25DJA | 4.25 |
| 2006 | DaimlerChrysler | 6MBXH6.37DJA | 6.37 |
| 2006 | DaimlerChrysler | 6MBXH12.8DJA | 12.8 |
| 2006 | DaimlerChrysler | 6MBXH7.20DJA | 7.2 |
| 2006 | Detroit Diesel Corporation | 6DDXH12.7EGY | 12.7 |
| 2006 | Detroit Diesel Corporation | 6DDXH14.0ELY | 14 |
| 2006 | Isuzu | 6SZXH07.84RA | 7.8 |
| 2006 | Isuzu | 6SZXH07.84RW | 7.8 |
| 2006 | Mack | 6MKXH11.9V71 | 11.9 |
| 2006 | Mack | 6MKXH11.9V74 | 11.9 |
| 2006 | Mack | 6MKXH10.8C02 | 10.8 |
| 2006 | Mack | 6MKXH11.9V67 | 11.9 |
| 2006 | Mack | 6MKXH11.9V65 | 11.9 |
| 2006 | Mack | 6MKXH11.9H70 | 11.9 |
| 2006 | Mack | 6MKXH11.9H73 | 11.9 |
| 2006 | Volvo | 6VTXH16.1C01 | 16.1 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|---------------------|----------------------|-------------------------|
| 2006 | Volvo | 6VTXH12.150S | 12.1 |

Table 2: ARB-Approved Engine Families for ECS' Purifilter Plus™

Note: These engines are certified as heavy-duty for vehicles with manufacturer's GVWR over 8,500 pounds. However, in accordance with Executive Order DE-08-010-02, the vehicle must have a manufacturer's GVWR over 14,000 pounds.

| Model Year | Manufacturer | Engine Family | Displacement (L) |
|------------|----------------------------|---------------|------------------|
| 1993 | Cummins | PCE0505FDA5 | 8.3 |
| 1993 | Cummins | PCE0855FZHX | 14.0 |
| 1993 | Detroit Diesel Corporation | PDD08.5FZK7 | 8.5 |
| | | | |
| 1994 | Caterpillar | RCP629EZDARA | 10.3 |
| 1994 | Caterpillar | RCP403DZDAAA | 6.6 |
| 1994 | Caterpillar | RCP403DZDABA | 6.6 |
| 1994 | Caterpillar | RCP893EZDARA | 14.6 |
| 1994 | Caterpillar | RCP638EZDARA | 10.5 |
| 1994 | Cummins | RCE505D6DAAB | 8.3 |
| 1994 | Cummins | RCE359D6DAAB | 5.9 |
| 1994 | Cummins | RCE359D6DAAW | 5.9 |
| 1994 | Cummins | RCE661EJDARA | 10.8 |
| 1994 | Cummins | RCE661EJDARW | 10.8 |
| 1994 | Cummins | RCE855EJDARW | 14 |
| 1994 | Cummins | RCE855EJDASW | 14 |
| 1994 | Cummins | RCE505D6DAAC | 8.3 |
| 1994 | Cummins | RCE505F6DAAW | 8.3 |
| 1994 | Cummins | RCE505D6DAAA | 8.3 |
| 1994 | Cummins | RCE661EJDARC | 10.8 |
| 1994 | Cummins | RCE359D6DABW | 5.9 |
| 1994 | Cummins | RCE661FJDAAA | 10.8 |
| 1994 | Detroit Diesel Corporation | RDD11.EJDARA | 11.1 |
| 1994 | Detroit Diesel Corporation | RDD12.EJDARA | 12.7 |
| 1994 | Detroit Diesel Corporation | RDD8.5EJDARA | 8.5 |
| 1994 | Detroit Diesel Corporation | RDD8.5EJDARW | 8.5 |
| 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 | Hino | RHM3.8C7DARW | 3.8 |
| 1994 | Hino | RHM6.5D7DARW | 6.5 |
| 1994 | International | RNV7.3C8DAAA | 7.3 |
| 1994 | International | RNV408D6DAAW | 6.7 |
| 1994 | International | RNV466D6DAAA | 7.6 |
| 1994 | International | RNV530D6DAAA | 8.7 |
| 1994 | International | RNV444C8DABA | 7.3 |
| 1994 | International | RNV466D6DARW | 7.6 |
| 1994 | International | RNV466D6DASW | 7.6 |
| 1994 | International | RNV466D6DOTW | 7.6 |
| 1994 | Isuzu | RSZ3.9C6DARW | 3.9 |
| 1994 | Mack | RMK728EGDARA | 11.9 |
| 1994 | Mack | RMK728EJDARA | 11.9 |
| 1994 | Mercedes-Benz | RMB6.0D6DARA | 6 |
| 1994 | Mercedes-Benz | RMB6.0D6DAAA | 6 |
| 1994 | Mitsubishi | RMT238B7DAAA | 3.9 |

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| Model Year | Manufacturer | Engine Family | Displacement (L) |
|-------------------|---------------------|----------------------|-------------------------|
| 1994 | Nissan | RND423D6DAAA | 6.9 |
| 1994 | Nissan | RND254C6DAAA | 4.2 |
| 1994 | Perkins | RPK365D6DAAA | 6 |
| 1994 | Perkins | RPK243C6DAAA | 4 |
| 1994 | Volvo | RVT12.EJDBRA | 12.1 |
| 1994 | Volvo | RVT6.7D6DBRA | 6.7 |

Table 3: ARB-Approved Federal Engine Families for ECS Purifilter Plus™

| Model Year | Manufacturer | Engine Family | Displacement (L) |
|------------|----------------------------|---------------|------------------|
| 1994 | Caterpillar | RCP403DZDARW | 6.6 |
| 1994 | Caterpillar | RCP403DZDASW | 6.6 |
| 1994 | Cummins | RCE505D6DARW | 8.3 |
| 1994 | General Motors | RGM6.5C6DAAA | 6.5 |
| 1994 | International | RNV530D6DARW | 8.7 |
| 1994 | International | RNV444C8DARA | 7.3 |
| 1994 | Mack | RMK728EGDASW | 11.9 |
| 1994 | Cummins | RCE505F6DABW | 8.3 |
| 1994 | Detroit Diesel Corporation | RDD8.5FJDARW | 8.5 |
| 1994 | Cummins | RCE359D6DASW | 5.9 |
| 1994 | Detroit Diesel Corporation | RDD12.EJDASW | 12.0 |
| 1994 | Mack | RMK12.EJDARW | 11.9 |
| 1994 | Mack | RMK728EGDATW | 11.9 |
| 1994 | Mack | RMK728EJDARW | 11.9 |
| 1994 | Mack | RMK728EJDASW | 11.9 |
| 1994 | Mack | RMK728EJDATW | 11.9 |
| 1994 | Mercedes Benz | RMB10.E6DARA | 10.0 |
| 1994 | Mercedes Benz | RMB12.E6DARA | 12.0 |
| 1994 | Perkins | RPK365DGDAAA | 6.0 |
| 1994 | Saab-Scania | RSA673E6DARA | 11.0 |
| | | | |
| 1995 | Cummins | SCE359D6DARW | 5.9 |
| 1995 | Caterpillar | SCP403DZDARW | 6.6 |
| 1995 | Detroit Diesel Corporation | SDD12.EJDASW | 12.0 |
| 1995 | Mack | SMK728EGDASW | 11.9 |
| 1995 | Mitsubishi Motors Corp. | SMT460D7DARW | 7.5 |
| 1995 | Mitsubishi Motors Corp. | SMT238B7DAAA | 3.9 |
| 1995 | Cummins | SCE505D6DARW | 8.3 |
| 1995 | Cummins | SCE505F6DABW | 8.3 |
| 1995 | Caterpillar | SCP893EZDARW | 14.6 |
| 1995 | Mercedes Benz | SMB10.E6DARA | 10.0 |
| 1995 | Mercedes Benz | SMB12.E6DARA | 12.0 |
| 1995 | Mack | SMK12.EJDARW | 11.9 |
| 1995 | Mack | SMK728EGDATW | 11.9 |
| 1995 | Mack | SMK728EJDARW | 11.9 |
| 1995 | Mack | SMK728EJDASW | 11.9 |
| 1995 | Mack | SMK728EJDATW | 11.9 |
| 1995 | International | SNV444C8DAAA | 7.3 |
| 1995 | International | SNV444C8DARW | 7.3 |
| 1995 | International | SNV444C8DASW | 7.3 |
| 1995 | Renault | SR3377D8DARW | 6.2 |
| 1995 | Renault | SR3377D8DASW | 6.2 |
| 1995 | Izusu | SSZ7.1D6DARW | 7.1 |
| 1995 | General Motors | SGM6.5C6DABW | 6.5 |
| | | | |
| 1996 | Caterpillar | TCP893EZDARW | 14.6 |
| 1996 | Cummins | TCE359D6DAAW | 5.9 |
| 1996 | Cummins | TCE359DJDARW | 5.9 |
| 1996 | Cummins | TCE505F6DAAW | 8.3 |

| Model Year | Manufacturer | Engine Family | Displacement (L) |
|------------|----------------------------|---------------|------------------|
| 1996 | Cummins | TCE505F6DABW | 8.3 |
| 1996 | Cummins | TCE661FJDAAA | 11.0 |
| 1996 | Detroit Diesel Corporation | TDD12.EJDASW | 12.0 |
| 1996 | General Motors | TGM6.5C6DAAW | 6.5 |
| 1996 | General Motors | TGM6.5C6DARW | 6.5 |
| 1996 | International | TNV444C8DARW | 7.3 |
| 1996 | International | TNV444C8DASW | 7.3 |
| 1996 | International | TNV530F6DATA | 8.7 |
| 1996 | Mack | TMK12.EJDARW | 11.9 |
| 1996 | Mack | TMK12.EJDATW | 11.9 |
| 1996 | Mack | TMK728EGDATW | 11.9 |
| 1996 | Mack | TMK728EJDASW | 11.9 |
| 1996 | Mack | TMK728EGDASW | 11.9 |
| 1996 | Mack | TMK728EJDARW | 11.9 |
| 1996 | Mack | TMK728EJDATW | 11.9 |
| 1996 | Mercedes Benz | TMB6.0D6DAAA | 6.0 |
| 1996 | Mercedes Benz | TMB6.0D6DARA | 6.0 |
| 1996 | Renault | TR3377D8DARW | 6.2 |
| 1996 | Renault | TR3377D8DASW | 6.2 |
| 1996 | Scania | TY912.EGDARA | 12.0 |
| | | | |
| 1997 | Cummins | VCE359D6DAAW | 5.9 |
| 1997 | Cummins | VCE359D6DARW | 5.9 |
| 1997 | Cummins | VCE505F6DAAW | 8.3 |
| 1997 | Cummins | VCE505F6DABW | 8.3 |
| 1997 | Cummins | VCE661FJDAAA | 11.0 |
| 1997 | General Motors | VGM6.5C6DAAC | 6.5 |
| 1997 | General Motors | VGM6.5C6DAAW | 6.5 |
| 1997 | International | VNV466F8DAAA | 7.6 |
| 1997 | International | VNV530F8DAAA | 8.7 |
| 1997 | Mack | VMK12.EJDARW | 11.9 |
| 1997 | Mack | VMK12.EJDASW | 11.9 |
| 1997 | Mack | VMK12.EJDATW | 11.9 |
| 1997 | Mack | VMK728EGDARW | 11.9 |
| 1997 | Mack | VMK728EGDASW | 11.9 |
| 1997 | Mack | VMK728EGDATW | 11.9 |
| 1997 | Mack | VMK728EJDARW | 11.9 |
| 1997 | Mack | VMK728EJDASW | 11.9 |
| 1997 | Mack | VMK728EJDATW | 11.9 |
| 1997 | Mack | VMK728EJDAZW | 11.9 |
| 1997 | Mercedes Benz | VMB12.EJDARA | 12.0 |
| 1997 | Mercedes Benz | VMB6.0D6DAAA | 6.0 |
| 1997 | Mercedes Benz | VMB6.0D6DARA | 6.0 |
| 1997 | Perkins | VPK365D6DAAA | 6.0 |
| 1997 | Renault | VR3377D8DARW | 6.2 |
| 1997 | Renault | VR3377D8DASW | 6.2 |
| | | | |
| 1998 | Caterpillar | WCPXH0638MRW | 10.5 |
| 1998 | Caterpillar | WCPXH0893MRW | 14.6 |
| 1998 | Cummins | WCEXH0239BAA | 3.9 |
| 1998 | Cummins | WCEXH0359BAB | 5.9 |

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|------------|-------------------------|---------------|------------------|
| 1998 | Cummins | WCEXH0505CAA | 8.3 |
| 1998 | Cummins | WCEXH0661MAF | 10.8 |
| 1998 | Cummins | WCEXH0359BAC | 5.9 |
| 1998 | Cummins | WCEXH0359BAG | 5.9 |
| 1998 | International | WNVXH0444FNA | 7.3 |
| 1998 | International | WNVXH0444FNC | 7.3 |
| 1998 | International | WNVXH0466ENE | 7.6 |
| 1998 | International | WNVXH0466FNA | 7.6 |
| 1998 | International | WNVXH0466FNC | 7.6 |
| 1998 | International | WNVXH0530FNA | 8.7 |
| 1998 | International | WNVXH0530FNC | 8.7 |
| 1998 | Mack | WMKXH0602M48 | 9.9 |
| 1998 | Mack | WMKXH0728M44 | 11.9 |
| 1998 | Mack | WMKXH0728V40 | 11.9 |
| 1998 | Mack | WMKXH0728V41 | 11.9 |
| 1998 | Mack | WMKXH0728V43 | 11.9 |
| 1998 | Renault | WR3XH0377BNF | 6.2 |
| 1998 | Scania | WY9XH11.7203 | 11.7 |
| | | | |
| 1999 | Caterpillar | XCPXH0638MRW | 10.5 |
| 1999 | Caterpillar | XCPXH0893MRW | 14.6 |
| 1999 | Cummins | XCEXH0239BAA | 3.9 |
| 1999 | Cummins | XCEXH0359BAM | 5.9 |
| 1999 | Cummins | XCEXH0359BAQ | 5.9 |
| 1999 | Cummins | XCEXH0359BAR | 5.9 |
| 1999 | International | XNVXH0444ACC | 7.3 |
| 1999 | International | XNVXH07.3FCC | 7.3 |
| 1999 | International | XNVXH07.3FNH | 7.3 |
| 1999 | Renault | XR3XH0377BNF | 6.2 |
| 1999 | Renault | XR3XH0377BWF | 6.2 |
| | | | |
| 2000 | Cummins | YCEXH0239BAA | 3.9 |
| 2000 | Cummins | YCEXH0359BAA | 5.9 |
| 2000 | Cummins | YCEXH0359BAX | 5.9 |
| 2000 | Cummins | YCEXH0359BAY | 5.9 |
| 2000 | DaimlerChrysler | YMBXH12.0DJA | 12.0 |
| 2000 | General Motors | YGMXH06.5528 | 6.5 |
| 2000 | General Engine Products | YGEPH06.5524 | 6.5 |
| 2000 | International | YNVXA07.3CND | 7.3 |
| 2000 | International | YNVXH0444ACD | 7.3 |
| 2000 | International | YNVXH0444ACD | 7.3 |
| 2000 | International | YNVXH07.3ANC | 7.3 |
| 2000 | International | YNVXH07.3FNB | 7.3 |
| 2000 | Renault | YR3XH0377BWF | 6.2 |
| 2000 | Scania | YY9XH10.6106 | 10.6 |
| 2000 | Scania | YY9XH11.7202 | 11.7 |
| | | | |
| 2001 | Cummins | 1CEXH0359BAA | 5.9 |
| 2001 | Cummins | 1CEXH0359BAX | 5.9 |
| 2001 | Cummins | 1CEXH0359BAY | 5.9 |
| 2001 | General Engine Products | 1GEPH06.5522 | 6.5 |

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|------------|----------------------------|---------------|------------------|
| 2001 | General Motors | 1GMXH06.5528 | 6.5 |
| 2001 | General Motors | 1GMXH06.5529 | 6.5 |
| 2001 | International | 1NVXH0444ACD | 7.3 |
| 2001 | International | 1NVXH07.3FNB | 7.3 |
| 2001 | Isuzu | 1SZXH06.63RA | 6.6 |
| 2001 | Renault | 1R3XH0377BWF | 6.2 |
| 2001 | Scania | 1Y9XH10.6106 | 10.6 |
| 2001 | Scania | 1Y9XH11.7202 | 11.7 |
| | | | |
| 2002 | Cummins | 2CEXH0359BAD | 5.9 |
| 2002 | Cummins | 2CEXH0359BAE | 5.9 |
| 2002 | Cummins | 2CEXH0359BAX | 5.9 |
| 2002 | General Engine Products | 2GEPH06.5526 | 6.5 |
| 2002 | General Motors | 2GMXH06.5528 | 6.5 |
| 2002 | General Motors | 2GMXH06.5529 | 6.5 |
| 2002 | International | 2NVXH0444ACD | 7.3 |
| 2002 | International | 2NVXH07.3FNB | 7.3 |
| 2002 | Isuzu | 2SZXH06.63RA | 6.6 |
| 2002 | Scania | 2Y9XH10.6106 | 10.6 |
| 2002 | Scania | 2Y9XH11.7202 | 11.7 |
| | | | |
| 2003 | Cummins | 3CEXH0359BAE | 5.9 |
| 2003 | Cummins | 3CEXH0359BAI | 5.9 |
| 2003 | Cummins | 3CEXH0505CAQ | 8.3 |
| 2003 | Cummins | 3CEXH0505CAM | 8.3 |
| 2003 | Cummins | 3CEXH0540LAB | 8.9 |
| 2003 | Cummins | 3CEXH0912XAH | 14.9 |
| 2003 | Detroit Diesel Corporation | 3DDXH08.5FJR | 8.5 |
| 2003 | Detroit Diesel Corporation | 3DDXH08.5FJY | 8.5 |
| 2003 | Detroit Diesel Corporation | 3DDXH12.7FGY | 12.7 |
| 2003 | Detroit Diesel Corporation | 3DDXH14.0FLY | 14.0 |
| 2003 | International | 3NVXH0530ACT | 8.5 |
| 2003 | Scania | 3Y9XH10.6106 | 10.6 |
| 2003 | Scania | 3Y9XH11.7202 | 11.7 |
| | | | |
| 2004 | Cummins | 4CEXH0239BAD | 3.9 |
| 2004 | Cummins | 4CEXH0359BAD | 5.9 |
| 2004 | Cummins | 4CEXH0505CAU | 8.3 |
| | | | |
| 2005 | Cummins | 5CEXH0359BAD | 5.9 |
| 2005 | Cummins | 5CEXH0505CAW | 8.3 |
| | | | |
| 2006 | Cummins | 6CEXH0359BAD | 5.9 |
| 2006 | Cummins | 6CEXH0505CAW | 8.3 |
| | | | |
| 2007 | Cummins | 7CEXH0661MAC | 10.8 |
| | | | |
| 2008 | Cummins | 8CEXH0661MAC | 10.8 |
| 2008 | Detroit Diesel Corporation | 8DDXH06.4TER | 6.4 |
| 2008 | Detroit Diesel Corporation | 8DDXH07.2TER | 4.8 |
| 2008 | Detroit Diesel Corporation | 8DDXH07.2TER | 7.2 |

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|-------------------|----------------------------|----------------------|-------------------------|
| 2008 | Detroit Diesel Corporation | 8DDXH12.8TER | 12.8 |
| | | | |
| 2009 | Cummins | 9CEXH0661MAC | 10.8 |
| 2009 | Detroit Diesel Corporation | 9DDXH06.4TER | 6.4 |
| 2009 | Detroit Diesel Corporation | 9DDXH07.2TER | 4.8 |
| 2009 | Detroit Diesel Corporation | 9DDXH07.2TER | 7.2 |
| 2009 | Detroit Diesel Corporation | 9DDXH12.8TER | 12.8 |
| | | | |
| 2010 | Detroit Diesel Corporation | ADDXH06.4TER | 6.4 |
| 2010 | Detroit Diesel Corporation | ADDXH07.2TER | 4.8 |
| 2010 | Detroit Diesel Corporation | ADDXH07.2TER | 7.2 |
| 2010 | Detroit Diesel Corporation | ADDXH12.8TER | 12.8 |