



**ARB-Approved Engine Families for the JM CRT® Particulate Filter System**

Relating to Executive Order Series DE-08-008

**Effective Date: September 4 2014**

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| Model Year | Manufacturer               | Engine Family | Displacement (L) |   |
|------------|----------------------------|---------------|------------------|---|
|            |                            |               | 1                | 2 |
| 1995       | Caterpillar                | SCP403DZDARK  | 6.6              | * |
| 1995       | Caterpillar                | SCP442DZDARK  | 7.2              | * |
| 1995       | Caterpillar                | SCP629EZDARK  | 10.3             | * |
| 1995       | Caterpillar                | SCP629EZDARM  | 10.3             | * |
| 1995       | Caterpillar                | SCP638EZDARA  | 10.5             | * |
| 1995       | Caterpillar                | SCP729EZDARL  | 12.0             | * |
| 1995       | Caterpillar                | SCP893EZDARK  | 14.6             | * |
| 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                    | SCE661EJDARA  | 10.8             | * |
| 1995       | Cummins                    | SCE661EJDARC  | 10.8             | * |
| 1995       | Cummins                    | SCE661EJDARW  | 10.8             | * |
| 1995       | Cummins                    | SCE661EJDASW  | 10.8             | * |
| 1995       | Cummins                    | SCE661EJDATW  | 10.8             | * |
| 1995       | Cummins                    | SCE661FJDAAA  | 10.8             | * |
| 1995       | Cummins                    | SCE855EJDARA  | 14.0             | * |
| 1995       | Cummins                    | SCE855EJDARB  | 14.0             | * |
| 1995       | Cummins                    | SCE855EJDARW  | 14.0             | * |
| 1995       | Cummins                    | SCE855EJDASW  | 14.0             | * |
| 1995       | Cummins                    | SCE855EJDATW  | 14.0             | * |
| 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       | Detroit Diesel Corporation | SDD11.EJDARA  | 11.1             | * |
| 1995       | Detroit Diesel Corporation | SDD12.EJDARA  | 12.7             | * |
| 1995       | General Motors             | SGM6.5C6DAAB  | 6.5              | * |
| 1995       | General Motors             | SGM6.5C6DAAC  | 6.5              | * |
| 1995       | General Motors             | SGM6.5C6DAAW  | 6.5              | * |
| 1995       | Hino                       | SHM6.5D7DARW  | 6.5              | * |
| 1995       | International              | SNV444C8D0AA  | 7.3              | * |
| 1995       | International              | SNV444C8D0RA  | 7.3              | * |
| 1995       | International              | SNV444C8D0SA  | 7.3              | * |
| 1995       | International              | SNV7.3C8DAAA  | 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       | International              | SNV530F6DATA  | 8.7              | * |
| 1995       | Isuzu                      | SSZ7.1D6DAAA  | 7.1              | * |



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|            |                            |               | 1                | 2 |
| 1996       | International              | TNV444C8D0SA  | 7.3              | * |
| 1996       | International              | TNV7.3C8DAAA  | 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              | TNV530D8DARA  | 8.7              | * |
| 1996       | International              | TNV530E6DASA  | 8.7              | * |
| 1996       | International              | TNV530E8DASA  | 8.7              | * |
| 1996       | Isuzu                      | TSZ7.1D6DAAA  | 7.1              | * |
| 1996       | Mack                       | TMK728EGDARA  | 11.9             | * |
| 1996       | Mack                       | TMK728EJDARA  | 11.9             | * |
| 1996       | Mitsubishi                 | TMT358D7DBAA  | 5.9              | * |
| 1996       | Mitsubishi                 | TMT460D7DBAA  | 7.5              | * |
| 1996       | Nissan                     | TND423D6DAAA  | 6.9              | * |
| 1996       | Perkins                    | TPK365D6DAAA  | 6.0              | * |
| 1996       | Renault                    | TR3377D8DAAW  | 6.2              | * |
| 1996       | Renault                    | TR3377D8DABW  | 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  | 7.2              | * |
| 1997       | Caterpillar                | VCP442DZDARK  | 7.2              | * |
| 1997       | Caterpillar                | VCP629EZDARK  | 10.3             | * |
| 1997       | Caterpillar                | VCP629EZDARX  | 10.3             | * |
| 1997       | Caterpillar                | VCP638EZDARA  | 10.5             | * |
| 1997       | Caterpillar                | VCP729EZDARX  | 12.0             | * |
| 1997       | Caterpillar                | VCP893EZDARA  | 14.6             | * |
| 1997       | Caterpillar                | VCP893EZDARX  | 14.6             | * |
| 1997       | Caterpillar                | VCP967EZDARK  | 15.8             | * |
| 1997       | Cummins                    | VCE359D6DAAA  | 5.9              | * |
| 1997       | Cummins                    | VCE359D6DABW  | 5.9              | * |
| 1997       | Cummins                    | VCE359DJDARA  | 5.9              | * |
| 1997       | Cummins                    | VCE505D6DAAA  | 8.3              | * |
| 1997       | Cummins                    | VCE505D6DAAW  | 8.3              | * |
| 1997       | Cummins                    | VCE505D6DABW  | 8.3              | * |
| 1997       | Cummins                    | VCE661EJDARB  | 10.8             | * |
| 1997       | Cummins                    | VCE661EJDARC  | 10.8             | * |
| 1997       | Cummins                    | VCE661EJDASA  | 10.8             | * |
| 1997       | Cummins                    | VCE661EJDATW  | 10.8             | * |
| 1997       | Cummins                    | VCE661FJDABA  | 10.8             | * |
| 1997       | Cummins                    | VCE855EJDARA  | 14.0             | * |
| 1997       | Cummins                    | VCE855EJDARB  | 14.0             | * |
| 1997       | Cummins                    | VCE855EJDARC  | 14.0             | * |
| 1997       | Cummins                    | VCE855EJDATW  | 14.0             | * |
| 1997       | Detroit Diesel Corporation | VDD8.5EJDARA  | 8.5              | * |

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|------------|----------------------------|---------------|------------------|-----|
|            |                            |               | 1                | 2   |
| 1997       | Detroit Diesel Corporation | VDD8.5FJDABA  | 8.5              | *   |
| 1997       | Detroit Diesel Corporation | VDD11.EJDARA  | 11.1             | *   |
| 1997       | Detroit Diesel Corporation | VDD12.EJDATA  | 12.0             | *   |
| 1997       | Detroit Diesel Corporation | VDD12.EJDARA  | 12.7             | *   |
| 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  | 5.3              | 8.0 |
| 1997       | International              | VNV444C8DARW  | 7.3              | *   |
| 1997       | International              | VNV444C8DASW  | 7.3              | *   |
| 1997       | International              | VNV7.3C8DAAA  | 7.3              | *   |
| 1997       | International              | VNV7.3C8DAAW  | 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       | Isuzu                      | VSZ7.1D6DAAA  | 7.1              | *   |
| 1997       | Isuzu                      | VSZ7.1D6DAAW  | 7.1              | *   |
| 1997       | Mack                       | VMK728EGDARA  | 11.9             | *   |
| 1997       | Mack                       | VMK728EJDARA  | 11.9             | *   |
| 1997       | Mack                       | VMK728EJDAYW  | 11.9             | *   |
| 1997       | Mitsubishi                 | VMT358D7DBAA  | 5.9              | *   |
| 1997       | Mitsubishi                 | VMT460D7DBAA  | 7.5              | *   |
| 1997       | Nissan                     | VND423D6DAAA  | 6.9              | *   |
| 1997       | Renault                    | VR3377D8DAAW  | 6.2              | *   |
| 1997       | Renault                    | VR3377D8DABW  | 6.2              | *   |
| 1997       | Volvo                      | VVT6.7D6DBRA  | 6.7              | *   |
| 1997       | Volvo                      | VVT12.EJDBRA  | 12.1             | *   |
| 1998       | Caterpillar                | WCPXH0442HRK  | 7.2              | *   |
| 1998       | Caterpillar                | WCPXH0442HSK  | 7.2              | *   |
| 1998       | Caterpillar                | WCPXH0629ERK  | 10.3             | *   |
| 1998       | Caterpillar                | WCPXH0729ERK  | 12.0             | *   |
| 1998       | Caterpillar                | WCPXH0893ERK  | 14.6             | *   |
| 1998       | Caterpillar                | WCPXH0967ERK  | 15.8             | *   |
| 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       | Cummins                    | WCEXH0661MAA  | 10.8             | *   |
| 1998       | Cummins                    | WCEXH0661MAB  | 10.8             | *   |
| 1998       | Cummins                    | WCEXH0661MAC  | 10.8             | *   |
| 1998       | Cummins                    | WCEXH0661MAD  | 10.8             | *   |
| 1998       | Cummins                    | WCEXH0661MAE  | 10.8             | *   |
| 1998       | Cummins                    | WCEXH0855NAA  | 14.0             | *   |











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|------------|-------------------------|---------------|------------------|------|
|            |                         |               | 1                | 2    |
| 2003       | DaimlerChrysler         | 3MBXH15.9DJB  | 11.9             | 15.9 |
| 2003       | DaimlerChrysler         | 3MBXH12.0DJA  | 12.0             | *    |
| 2003       | DaimlerChrysler         | 3MBXH12.8DJA  | 12.8             | *    |
| 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  | 8.0              | *    |
| 2003       | Hino                    | 3HMXH08.0JTR  | 8.0              | *    |
| 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                   | 3SZXH07.84AA  | 7.8              | *    |
| 2003       | Isuzu                   | 3SZXH07.84RA  | 7.8              | *    |
| 2003       | Mitsubishi              | 3MTXH05.8D6A  | 5.9              | *    |
| 2003       | Mitsubishi              | 3MTXH07.5D6A  | 7.5              | *    |
| 2003       | Nissan                  | 3NDXH06.9FAB  | 6.9              | *    |
| 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              | *    |
| 2006       | Cummins                 | 6CEXH0359BAI  | 5.9              | *    |