

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-400

Relating to Certification of New Medium-Duty Motor Vehicles and Engines

CHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following 1998 model-year Chrysler Corporation motor vehicles which have a manufacturer's gross vehicle weight rating (GVWR) of 8,501 to 14,000 pounds are certified using the diesel-cycle engines listed below:

Fuel Type: Diesel

| <u>Engine Manufacturer</u>   | <u>Engine Family</u> | <u>Engine Displacement<br/>Liters (Cubic Inches)</u> | <u>Engine Model Year<br/>and Certification<br/>Executive Order No</u> |
|------------------------------|----------------------|--|---|
| Cummins Engine Company, Inc. | VCE359D6D1AK         | 5.9 (359)  | 1997 A-21-167   |

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

| <u>Non-Methane Hydrocarbons +<br/>Nitrogen Oxides</u> | <u>Carbon<br/>Monoxide</u> | <u>Particulates</u> |
|---|----------------------------|---------------------|
| 3.9   | 14.4                       | 0.10                |

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

| <u>Engine Family</u> | <u>Non-Methane Hydrocarbons +<br/>Nitrogen Oxides</u> | <u>Carbon<br/>Monoxide</u> | <u>Particulates</u> |
|----------------------|---|----------------------------|---------------------|
| VCE359D6D1AK         | 3.8   | 0.8                        | 0.09                |

BE IT FURTHER RESOLVED: That, the listed engine models are certified to the optional standards and test procedures applicable to incomplete and diesel medium-duty vehicles of 8,501 to 14,000 pounds GVWR pursuant to Title 13, California Code of Regulations, Section 1956.8(g).

BE IT FURTHER RESOLVED: That the listed engine models and vehicle models shall be subject to the in-use compliance provision applicable to 1995 and subsequent model-year medium-duty vehicles, set forth in Title 13, California Code of Regulations, Section 2139(c).

BE IT FURTHER RESOLVED: That, based on a separate compliance plan submitted by the engine manufacturer, the listed engine models are permitted alternative in-use compliance pursuant to Title 13, California Code of Regulations, Section 1956.8(g)(d).

BE IT FURTHER RESOLVED: That the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 50 percent of the engine manufacturer's projected sales of 1997 model-year California-certified medium-duty vehicles will be subject to alternative in-use compliance as stipulated in the above-referenced standards and test procedures.

BE IT FURTHER RESOLVED: That the listed engine models and vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

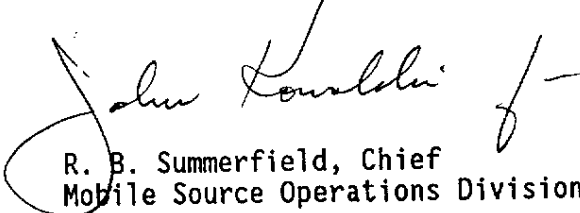
BE IT FURTHER RESOLVED: That the listed engine models and vehicle models complies with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That, for the listed engine models and vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicle certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 19<sup>th</sup> day of June 1997.

  
R. B. Summerfield, Chief  
Mobile Source Operations Division

1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: VCE359D6D1AK Evap Fam: N/A  
 Eng Codes in Eng Fam: CA X 49S      50S      AB965       
 Std: CA Tier-1 X TLEV      LEV      ULEV      ZEV     ; US EPA Tier-1       
 Evap Std: 50K N/A Useful Life with R/L      In-Use Exh Std: Full In Use      Alt In Use       
 Veh Class(es): PC      LDT1      LDT2      MDV1      MDV2      MDV3 X MDV4 X MDV5       
 Single Cert Std for Multi-Class Eng Fam: N/A (Specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)  
 Fuel Type(s): Dedicated X Flex-Fuel      Dual-Fuel      Bi-Level      Gasoline      Diesel X  
                   CNG      LNG      LPG      M85      Other (specify)       
 Emis Test Fuel(s): Indo      Ph2      CNG      LPG      M85      Other(specify)       
                   Diesel: 13 CCR 2282 X or 40 CFR 86.113-90      or 40 CFR 86.113-94       
 Service Accum: Std AMA      Mod AMA      Mfr ADP      Other (Specify) Dynamometer  
 NMOG Test Procedure: N/A X Std      Equip      R/L Test Proce: SHED      Pt Source       
 Hybrid: Type A      B      C     , APU Cycle (e.g., Otto, Diesel, Turbine)       
 Engine Configuration: I-6 Displacement: 5.9 Liters 359 Cubic Inches  
 Valves per Cylinder: 2 Rated HP: 180 @ 2500 RPM  
 Engine: Front X Mid      Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT X  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TC, CAC, OC, EGR  
 (use abbreviations per SAE J1930 SEP91)

| Engine Code<br>(also list<br>CA/49ST/50ST) | Vehicle Models<br>(if coded see<br>attachment)   | Trans. Type<br>M5<br>A4 | ETW or<br>Test<br>Weight* | DPA<br>or<br>RLHP | Ignition<br>(ECM/PCM)<br>Part No. | EGR<br>System<br>Part No. | Catalyst<br>Converter<br>Part No. |
|--|--|-------------------------|---------------------------|-------------------|-----------------------------------|---------------------------|-----------------------------------|
| B5.9-180<br>(CA)                           | BR2L62<br>BR2L65<br>BR7L62<br>BR7L65<br>BR3L62<br>BR3L63<br>BR3L64<br>BR8L62<br>BR8L63<br>BR8L64<br>BE2L31<br>BE2L32<br>BE2L33<br>BE2L34<br>BE3L34<br>BE7L31<br>BE7L32<br>BE7L33<br>BE7L34<br>BE8L34 | M5                      | N/A                       | N/A               | 56040138AA                        | 3928655                   | 3926233<br>3929433<br>3929434     |

Date Issued: 06/06/97

Revisions: \_\_\_\_\_

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 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES  
 (cont'd.)

Manufacturer: Chrysler Corporation Exh Eng Fam: VCE359D6D1AK Evap Fam: N/A

| Engine Code<br>(also list<br>CA/49ST/50ST) | Vehicle Models<br>(if coded see<br>attachment)   | Trans. Type<br>M5<br>A4 | ETW or<br>Test<br>Weight* | DPA<br>or<br>RLHP | Ignition<br>(ECM/PCM)<br>Part No. | EGR<br>System<br>Part No. | Catalyst<br>Converter<br>Part No. |
|--|--|-------------------------|---------------------------|-------------------|-----------------------------------|---------------------------|-----------------------------------|
| B5.9-180<br>(CA)                           | BR2L62<br>BR2L65<br>BR7L62<br>BR7L65<br>BR3L62<br>BR3L63<br>BR3L64<br>BR8L62<br>BR8L63<br>BR8L64<br>BE2L31<br>BE2L32<br>BE2L33<br>BE2L34<br>BE3L34<br>BE7L31<br>BE7L32<br>BE7L33<br>BE7L34<br>BE8L34 | A4                      | N/A                       | N/A               | 56040035AA                        | 3928655                   | 3926233<br>3929433<br>3929434     |

Revised: 06/06/97

Revisions: \_\_\_\_\_