State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-342 Relating to Certification of New Motor Vehicles

CHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

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

IT IS ORDERED AND RESOLVED: That Chrysler Corporation 1997 model-year exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: VCR488K8G1EK <u>Displacement</u>: 8.0 Liters (488 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converter Dual Heated Oxygen Sensors Heated Oxygen Sensors (two) Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards (in-use compliance standards in parentheses) for this engine family in grams per mile are:

| Test Weight (1bs.) | <u>Miles</u> | Non-Methane <u>Hydrocarbons</u> | Carbon <u>Monoxide</u> | Nitrogen <u>Oxides</u> |
|--------------------|--------------|------------------------------------|---------------------------|---------------------------|
| 8501-10000 | 50,000 | 0.46 (0.58) | 5.5 (6.9) | 1.3 (1.6) |
| | 120,000 | 0.66 (n/a) | 8.1 (n/a) | 1.81 (n/a) |

The certification exhaust emission values for this engine family in grams per mile are:

| Test Weight | <u>Miles</u> | Non-Methane <u>Hydrocarbons</u> | Carbon <u>Monoxide</u> | Nitrogen <u>Oxides</u> |
|-------------|--------------|------------------------------------|---------------------------|---------------------------|
| 8501-10000 | 50,000 | 0.20 | 3.3 | 1.0 |
| | 120,000 | 0.26 | 4.1 | 1.26 |

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves 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.).

BE IT FURTHER RESOLVED: That based on a compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 50 percent of the 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 vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

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

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

Vehicles 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 attachment.

Executed at El Monte, California this 16th day of May 1996.

R. B. Summerfield Assistant Division Chief Mobile Source Division

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1997 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

| Manufacturer: _C | hrysler Corporat | <u>tion</u> Exh Eng | g Fam: <u>VC</u> F | 488K8G | <u>LEK Evap F</u> | am: <u>VCR1073</u> | BAYPUC |
|---------------------------|------------------|---------------------|--------------------|------------|--------------------------|--------------------|-----------------------|
| '11 Eng Codes in | Fng Fam: CA X | 498 | _ 50S | AB96 | <u> </u> | | |
| Std. CA Tier | -1 X TLEV | LEV | ULEV | ZE' | /: US | EPA Tier-l_ | |
| Evan Std 50K X | (Useful Life | with R/L | In-Us | se Exh : | Std: Full Ir | n Use Alt | : In Use <u>X</u> |
| Veh Class(es) | PC LDT1 | _ LDT2 | MDV1 | MDV2_ | MDV3 | MDV4 <u>X</u> | _ MUV5 |
| Single Cert Std | for Multi-Class | Eng Fam: N | <u>/A</u> (Spec | cify: N | /A, LDT1, MO | OV1, MDV2, N | 10V3, MUV4) |
| Fuel Type(s): De | edicated X_Fle | x-Fuel D | ual-Fuel_ | Bi- | Level Ga | asoline <u>X</u> | Diesel |
| | CNG LNG | LPG M | 85 (| Other (| specify) | <u> </u> | |
| Fmis Test Fuel(s | s): Indo Ph2 | X CNG | _ LPG | M85 | _ Other(spec | cify) | |
| | Diesel: 13 | CCR 2282 | or 40 CFI | ₹ 86.11 | 3-90 or | 40 CFR 86 | 113-94 |
| Service Accum: | Std AMA | Mod AMAX | Mfr A | OP | $\underline{}$ Other (| Specify) | |
| NMOG Test Proced | dure N/A X S | td Equi | V | R/L Tes | t Proce: SH | ED Pt : | Source |
| Hybrid Type A | B C AP | U Cycle (e.g | ., Otto. | Diesel, | Turbine) | , | |
| Engine Configura | ation: V-10 Dis | placement: | <u>8.0 L</u> | iters _ | <u>488</u> Cu | bic Inches | |
| Valves per Cylin | ndar· 2 | Rat | .ed HP: | 300 | <u>@ 4400</u> | RPM | |
| Engine: Front | X Mid Rea | r | Drive: F | WD | . RWD <u>X</u> 4 | WD-FT | 4WD-PT <u>X</u> |
| Exhaust ECS (eg | ., EGR, MFI, TC, | CACI: THE | 2H025 H0 | 25(2) | SFI per SAE J19 | | |
| | | (us | e apprevi | a C (OIIS | hei avr ais | 00 321 317 | |
| | Vehicle Models | Trans. Type | ETW or | DPA | Ignition | EGR | Catalyst |
| Engine Code (also list | (if coded see | M5 | Test | or | (ECM/PCM) | System | Converter Part No. |
| CA/49ST/50ST) | attachment) | A4 | Weight* | RLHP | Part No. | Part No. | |
| CA-100 (CA) | BR3C63 | A4 | 9000 | S E | 56040100 | | 52103201 |
| | BR3C64 | | | Ē | | | 1 |
| CA-200 (CA) | BR8L32 | | 9000 | A | | | |
| | BR8C63 BR8C64 | | | T | | | 1 |
| | PD2CC2 | M5 | 9000 | T A | 56040098 | | 52103201 |
| CM-100 (CA) | BR3C63 BR3C64 | l lo | 3000 | Ĉ | | - | |
| | | | 9000 | H E | | | |
| CM-200 (CA) | BR8L32 BR8C63 | | 1 | Ō | | | |
| | BR8C64 | | | | | | |
| * Test weight 6 | equals ALVW | | <u></u> | | | | |
| | | | • | | | | |
| Date Issued: 03 |)/ UQ/ JU | | | | | | |

Revisions: _____

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| | WEIGHT |
|--|---------|
| | VEHICLE |
| hrysler Corporati Family Tire Usage | LOADED |

ADJUSTED LOADED VEHICLE WGT

| | | | | COASI | | TIRE | ELECTRI | | COAST | -DYNO | TIRE |
|--|--------------|------|--|---------|--------|--------------------|---|------|-------|-----------|-----------|
| one on a | A MKT | . W | TIRE DESCRIPTION USE YR COD MEG OPT | PT TIME | •DYNO | PRES F R | TARGET A B C SEL A B C (LINE 1 IS 20 DEG WHEN NEEDED) | ALVW | W . | <u>\$</u> | ے : یے |
| MODEL ENGINANS C CT. | | | : ; | | | 13 | | 0006 | 0.00 | 48.0 | |
| | 11000 C | 8000 | STD 97 TV1 TZA | 8 | 48.0 | 50 40 | | | 9 | 48.0 | 50 40 |
| | | | OPT 97 TV2 TZA | 0.00 | • | 2 : | | 9000 | 0.00 | 48.0 | |
| REACES FWA DOP RW Y 11000 C | 11000 C | 8000 | STD 97 IV1 1ZA | 9 8 | • | 20 40 | | | 9.0 | 48.0 | |
| | | | 97 TV2 | 0.0 | - | 50 40 | | 0006 | 0.00 | 48.0 | |
| BOACKA FWA NOY RW Y 11000 C | 11000 C | 8000 | 97 TV1 | 8 | • | 20 40 | | | 0.0 | 48.0 | |
| THE CALL THE COLUMN | | | 97 TV2 | 0.0 | - | 20 40 | | 8000 | 8.0 | 48.0 | |
| BB3C64 FWA DOP RW Y 11000 C | 11000 C | 8000 | 171 78 | 8 | | 20 40 | | | 0.0 | 48.0 | |
| Braces two centres | | | 97 TV2 | 0.0 | | 20 40 | | 0006 | 00.0 | 48.0 | |
| RESCR3 FWA DOX 4W Y 11000 C | 11000 C | 8000 | STD 97 TV1 TZA | 0.00 | 48.0 | 8 9 | | | 0.0 | 48.0 | |
| | | | 97 TV2 | 8.0 | | 9 | | 9000 | 0.0 | 48.0 | |
| REACES FWA DGP 4W Y 11000 C | 11000 C | 8000 | 97 TV1 | 8 | | 90 40 | | | 0.0 | 48.0 | |
| | | | 97 TV2 | 8 | | 9 | | 0006 | 0.00 | 48.0 | |
| BORCEA FWA DOX AW Y 11000 C | 11000 C | 8000 | 97 TV1 | 8.0 | | 9 | | | 0.0 | 48.0 | |
| | ! | | 97 TY2 | 0.0 | | 90 40 | | 0006 | 0.00 | 48.0 | |
| DOSCRA FWA DGP 4W Y | 4W Y 11000 C | 8000 | 97 TY1 | 8 | | 90 40 | | • | 0.0 | 48.0 | |
| | | | 97 TV2 | 0.0 | | 60 | | 0000 | | 28.2 | |
| 2001.22 EMA DOY AWY 11000 C | 11000 C | 7000 | 97 TY1 | 13.4 | | 65 +0 | | | | 28.5 | |
| and the second | | | OPT 97 TV2 TZA | 13.1 | B 20.7 | 39 Q | | 0008 | 16.04 | 28.2 | 65 40 |
| ODD132 EMA DGP 4W Y 11000 C | 11000 C | 7000 | STD 97 TV1 | 12.8 | | 65 | | | | 29.5 | • |
| BEST CALL THE SECTION OF THE SECTION | | | PPI | 12.6 | 8 20.6 | | | | | | |

* . For DYNO HP = 0.00 Ref To FRONTAL AREA

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| P CONSTRUCTION L LOVERLAY RPM COD TREAD MATERIAL Y SW SIDEWALL MATERIAL Y MATERIAL | YR COU MTG OF ANALER RT/S (A/S) LT215/85R16-E 684 SBR 2-Steel/2-Polyester 4 BSW Polyester 2 None 0 14 87 TV2 TZA WRANGLER AT (A/T) LT215/85R16-E 681 SBR 2-Steel/2-Polyester 4 BSW Polyester 2 None 0 16 97 TV2 TZA WRANGLER AT (A/T) LT215/85R16-E 681 SBR 2-Steel/2-Polyester 4 BSW Polyester 2 None 0 16 |
|--|---|
| VCR488KBG1EK VCR488KBG1EK TIRE DESCRIPTION S17E | TR COD METG OF 1 MANGLER RT/S (A/S) LT215/85R18-E 97 TV2 TZA WRANGLER AT (A/T) LT215/85R18-E |

Chrysler Corporation FAMILY TIRE DESCRIPTION

> 1997 VCR488K8G1EK

/ 10. - TK02 - 401 /

Vehicle MFR: CHRYSLER

Engine Family: VCR488K8G1EK

Certificate #:

| | V Y Y ES S S S S S S S S S S S S S S S S |
|-------------------------------|---|
| Evaporative Fam: VCR1073AYPOC | Ram 3500 Cab Chassis 2WD HDV Ram 3500 Cab Chassis 2WO HDV Ram 3500 Cab Chassis 4WD HDV Ram 3500 Cab Chassis 4WD HDV Ram 3500 Pickup 4WD |
| æ | Model 10 5 6 6 6 6 6 6 6 |

| 4 | 3 5 |
|---|-------------|
| 13 | |
| nd digi #119" o #135" o | 13 16 |
| 1st digit: Jaclub Cab 6=Regular Cab | Orice Class |
| Hodel Codes | |
| | |

LnCovers all trim levels C=Chassis Cab 6=1500 4X4 7=2500 4X4 8=3500 4X4 Ram Pickup Ram Club Cab Ram Chassis Cab Body Code: Model: 1=1500 2=2500 3=3500