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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-438 Relating to Certification of New Motor Vehicles

DAIMLERCHRYSLER 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 2000 model-year DaimlerChrysler Corporation exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Low-Emission Vehicle (LEV)

<u>Fuel Type</u>: Gasoline

Engine Family: YCRXV0122V30 Displacement: 2.0 Liters (122 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

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

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

| Miles | Non-Methane Organic Gas | Carbon <u>Monoxide</u> | Nitrogen Oxides | Formaldehyde | Carbon <u>Monoxide (20ºF)</u> |
|---------|----------------------------|---------------------------|--------------------|--------------|----------------------------------|
| 50,000 | 0.075 | 3.4 | 0.2 | 0.015 | 10.0 |
| 100,000 | 0.090 | 4.2 | | 0.018 | n/a |

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a 0.94 RAF for 2000 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

| Non-Methane | | Carbon | Nitrogen | <u>Formaldehyde</u> | Carbon | | |
|--------------------------|---------|-----------------|----------|---------------------|------------------------|--|--|
| <u>Miles Organic Gas</u> | | <u>Monoxide</u> | Oxides | | <u>Monoxide (20°F)</u> | | |
| 50,000 | 0.037 | 0.4 | 0.1 | 0.001 | 2.8 | | |
| 100,000 | - 0.037 | 0.4 | 0.1 | 0.002 | n/a | | |
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BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average NMOG exhaust mass emission requirements 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 under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent 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 the vehicle manufacturer is certifying the listed vehicle models to the "California Refueling Emission Standards and Test Procedures for 1998 and Subsequent Model Motor Vehicles," Title 13, California Code of Regulations, Section 1978, and the listed vehicle models comply with those standards.

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 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 vehicle models also comply with the "Malfunction and Diagnostic System Requirements -- 1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

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.).

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DAIMLERCHRYSLER CORPORATION

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BE IT FURTHER RESOLVED: That the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

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 23^{27} day of December 1998.

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<u>B</u>B. Summerfield, Chief Mobile Source Operations Division

| Manufacturer: _ Eng Codes i | CARS, LIGHT-DU | | | | | | |
|--------------------------------|---------------------------------|---------------------|-----------------------------|-------------------------|-----------------------|------------------|-----------------------|
| Eng Codes i | DaimlerChrysler Co | rooration Ext | n Eng Fam | i | | ap Fam: YCA | XR0101G1A |
| | n Eng Fam: CA | <u>(</u> 49S | _ 50S | AB96 | 5 OF | VR: YES X | |
| Exh Std: CA Tie | r-1 TLEV | LEVX | _ ULEV | SUL | EV; US | EPA Tier- | 1 |
| /eh Class(es): | PC <u>X</u> LDT1 | LDT2 | MDV1 | _ MDV2 | MDV3 | MDV4 | MDV5 |
| Single Cert Std | for Multi-Class | s Eng Fam: <u>N</u> | /A (S | pecify: | N/A, LDT1, | MDV1, MDV2 | . MDV3. MDV4 |
| Fuel Type(s): D | edicated <u>X</u> Fle | ex-Fuel (| Dual-Fuel | Bi | -LevelG | asoline <u>X</u> | Diesel |
| | CNG LNG_ | LPG I | 185 | Other | (specify) | | |
| Emis Test Fuel(| s): Indo CBC | <u>X</u> CNG | LPG | _ M85 | Other(spe | cify) | |
| | Diesel: 13 | CCR 2282 | _ or 40 Cf | R 86.1 | 13-90 <u> </u> or | 40 CFR 86. | 113-94 |
| | ssion Test Proce | | | | | | |
| Service Accum: | Std AMA | Mod AMA <u>X</u> | Mfr A[|)P | _ Other (S | pecify) | |
| | dure: N/A St | | | | | | |
| | ation: <u>I-4</u> Dis | | | | | | |
| | nder: <u>4</u> | | | | | | |
| ngine: Front <u>X</u> | MidRear | | Drive: FW | ID <u>X</u> F | RWD 4WD | -FT 4W | D-PT |
| xhaust ECS (eg. | EGR. MFI. TC. | CAC): | <u>HO2S(2)</u> e abbrevi | <u>. SFI.</u> ations | TWC, OBDII | 20 111021 | |
| | | | | | | | |
| Engine Code (also list | Vehicle Models (if coded see | Trans. Type M5 | ETW or | DPA or | Ignition (ECM/PCM) | EGR System | Catalyst Converter |
| /49ST/50ST) | attachment) | A4 | Test Wt. | RLHP | Part No. | Part No. | Part No. |
| NM-100 (50ST) | PLDH41 | M5 | 2875 | 5 | 05293023AM | N/A | 05278126 |
| | PLPH41 | | | Ē | | | |
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L Issued: 12/4/98

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Revisi<u>ons:</u>

VA02-SDS/00

| ·= | | MODELS COVERED BY CERTIFICATE | AT. 05 | ATTACHMENT TO SDS PAGE 1 Of executive order A-9-438 |
|-------------------|---|--|---------------------|--|
| | Vehicle MFR: CHRYSLER | Engine Family: YCRXV0122V30 Evaporative Fam: YCRXR010161A | Certificate #: | |
| <u>.</u> | Model ID | Car Line | California Sales | |
| | 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 | Reon | YES | |
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| | * - For U.S. Possessions the nameplate wi | he nameplate will read Chrysler | | |
| - 4 - 4 - 4 | | | | 8 9 9 1 1 1 1 1 8 8 8 8 8 8 8 8 8 8 8 8 |
| | Body Style 22=2 door coupe 27=2 door convertible 41=4 door sedan 42=4 door subcompact sedan | | | |
| | - Trim Level H≃High Line S=Sport P=Premium L≠Low Line | | | |
| | - Division L,C=Chrysler D=Dodge X=Eagle P=Plymouth | | | |
| - | - Car Line JA=Cirrus, Stratus, Breeze JX=Sebring Convertible LH=Concorde, New Yorker, LH SR=Viper , PR=Prowler | ce PL=Neon LHS, Vision, Intrepid | | |
| <u></u> | | | | |

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|--|---|---------------------------------------|--|---|---|-----------------------------------|---------|
| ATTACHMENT TO SDS PAGE 1 OF EXECUTIVE ORDER A-9-438 | ALVIN DOWN *DYNO PRES ETW TIME HP F R | | | , | - | 2/04/98 | 64:40:0 |
| ATTACHMENT TO OF EXECUTIVE | ALUSTED LOAD | | • | | | Report Date: 12/04/98 | |
| | (CIENTS B Deg Lahen Needed) | | · · · · · · · · · · · · · · · · · · · | | - | | |
| oraon • Usage LOADED VEHICLE WEIGHT | COLD CO ELECTRIC DYNO COEFFICIENTS A B C SET A B C IS 20 DEG COEFFS,LINE 2 IS 50 DEG WHEN NEEDED) 0.02268 0.02268 0.02268 0.02268 | | ; | | | | |
| iler Corp illy Tire | TARGET (LINE 1 37.75 37.75 37.75 37.75 37.75 | | | • | | - VA02 - 400 / | |
| Chrys Fam | 11 RE PRES 32 32 33 32 32 32 32 32 32 32 32 32 | | | | | 10. | |
| | *DYNO HP 6.4 6.4 6.4 | | ľ | | | | |
| | COAST DOWN TINE 15.06 15.06 15.06 | · . | | | | | |
| | TIRE DESCRIPTION USE YR COD MFG OPT STD 00 TJY TZA STD 00 TQK TZA STD 00 TQK TZA OPT 00 TQK TZA | · · · · · · · · · · · · · · · · · · · | | | | | |
| | HKT LVH GVU TYPE ETV 0 C 2875 0 C 2875 | | | | | , | |
| YCRXV0122V5. | ENG TRANS C ECB DD5 FM Y ECB DD5 FM Y | | | | | DYNO HP = 0.00 To Frontal Area | |
| CRAV | MODEL PLDH41 PLPH41 | | | | | - For D Ref T | |