State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-310
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 1996 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: TCR24228G1FK Displacement: 4.0 Liters (242 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 certification exhaust emission standards (alternative in-use compliance standards in parentheses) for this engine family in grams per mile are:

| Loaded Vehicle Weight(lbs.) | Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides | Carbon Monoxide (20°F) |
|---|---|---|---|---|---|
| 3751-5750 | 50,000 | 0.32 (0.41) | 4.4 (6.7) | 0.7 (n/a) | 12.5 (n/a) |
| | 100,000 | 0.40 (n/a) | 5.5 (n/a) | 0.97 (n/a) | n/a |

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

| Loaded Vehicle Weight(lbs.) | Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides | Carbon Monoxide (20°F) |
|---|---|---|---|---|---|
| 3751-5750 | 50,000 | 0.10 | 0.8 | 0.5 | 3.6 |
| | 100,000 | 0.10 | 0.9 | 0.69 | n/a |

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 non-methane organic gas (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 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, based on a separate 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 20 percent of the manufacturer's projected sales of 1996 model-year California-certified passenger cars and light-duty trucks 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 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 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)(6.1) ("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 9th day of June 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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# 1996 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
## PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: TCR24228G1FK Evap Fam: TCR1049AYM0N

All Eng Codes in Eng Fam: CA X 49S ____ 50S ____ AB965 ____

Exh Std: CA Tier-1 X TLEV ____ LEV ____ ULEV ____ ZEV ____; US EPA Tier-1 ____

Evap Std: 50K X Useful Life with R/L ____ In-Use Exh Std: Full In Use ____ Alt In Use X

Veh Class(es): PC ____ LDT1 ____ LDT2 X MDV1 ____ MDV2 ____ MDV3 ____ MDV4 ____ 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 X Diesel ____
CNG ____ LNG ____ LPG ____ M85 ____ Other (specify) ____

Emis Test Fuel(s): Indo ____ Ph2 X CNG ____ LPG ____ M85 ____ Other(specify) ____
Diesel: 13 CCR 2282 ____ or 40 CFR 86.113-90 ____ or 40 CFR 86.113-94 ____

Service Accum: Std AMA ____ Mod AMA X Mfr ADP ____ Other (Specify) ____

NMOG Test Procedure: N/A ____ Std ____ Equiv ____ R/L Test Proce: SHED ____ Pt Source ____

Hybrid: Type A ____ B ____ C ____, APU Cycle (e.g., Otto, Diesel, Turbine) ____

Engine Configuration: I-6 Displacement: / 4.0 Liters / 242 Cubic Inches

Valves per Cylinder: 2 Rated HP: 190 @ 4600 RPM

Engine: Front X Mid ____ Rear ____ Drive: FWD ____ RWD ____ 4WD-FT X 4WD-PT X

Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC, HO2S(2), , SFI
(use abbreviations per SAE J1930 SEP91)

| Engine Code (also list CA/49ST/50ST) | Vehicle Models (if coded see attachment) | Trans. Type M5 A4 | ETW or Test Wt. | DPA or RLHP | Ignition (ECM/PCM) Part No. | EGR System Part No. | Catalyst Converter Part No. |
|---|---|---|---|---|---|---|---|
| CA-100 (CA) | XJJL74 | A4 | 3750 | SEE ATTACHED | 56029022 | None | 52019481 |
| CA-500 (CA) | XJJL74 | | 3750 | | 56028045 | | |

Date Issued: 04-27-95

Revisions: ____

tp01-sds/96

ATTACHMENT TO SDS PAGE 1
OF EXECUTIVE ORDER A-9-310

## VEHICLE MODELS/CARLINE

| | |
|---|---|
| Engine Family: | TCR24228G1FK |
| Evaporative Family: | TCR1049AYMON |
| Exhaust Control System: | TWC, HO2S(2), , SFI |
| Evap. Control System: | Canister |
| Engine Displacement: | 4.0L |

| Carline | Model Code |
|---|---|
| JEEP CHEROKEE 4WD | XJJL74 |

REPORT DATE: 04-27-95

ATTACHMENT TO SDS PAGE 1
OF EXECUTIVE ORDER A-9-310

1996 Chrysler Corporation

TCR24228G1FK FAMILY TIRE USAGE

| VEHICLE MODEL | ENGINE/ TRANS | WEIGHT TEST | LBS GVW | A C | TIRE USE | DESCRIPTION YR | CODE | TRD | MFG | COASTDOWN TIME SEC | *DYNO HP | TIRE F | PRES R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XJJL74 | ERH DGS 4A | 3750 | 4900 | Y | STD | 96 | TM6 | TAD | TZA | 11.89 | 14.60 | 33 | 33 |
| | | | | | OPT | 96 | TRH | TAD | TZA | 12.10 | 13.80 | 33 | 33 |
| | | | | | OPT | 96 | TRV | TAD | TZA | 11.39 | 14.20 | 33 | 33 |
| XJJL74 | ERH DGS 4P | 3750 | 4900 | Y | STD | 96 | TRC | TAD | TZA | 11.77 | 14.70 | 33 | 33 |
| | ERH 4W | 3750 | 4900 | Y | STD | 96 | TM6 | TAD | TZA | 11.89 | 14.60 | 33 | 33 |
| | | | | | OPT | 96 | TRH | TAD | TZA | 12.10 | 13.80 | 33 | 33 |
| | | | | | OPT | 96 | TRV | TAD | TZA | 11.39 | 14.20 | 33 | 33 |

REPORT DATE: 04-27-95

att-LP01