

*Pills*

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-421  
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 1999 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: XCRXT0242120 Displacement: 4.0 Liters (242 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Warm Up Oxidation Catalytic Converter
- 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 non-methane organic gas (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) TLEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
0-3750	50,000	0.125	3.4	0.4	0.015	10.0
	100,000	0.156	4.2	0.6	0.018	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for NMOG reflect application of a 0.98 RAF for 1999 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
0-3750	50,000	0.070	1.9	0.2	0.001	3.4
	100,000	0.078	2.0	0.3	0.001	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 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 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 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."

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.).

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 22<sup>nd</sup> day of July 1998.

A handwritten signature in cursive script, appearing to read "R. B. Summerfield".

R. B. Summerfield, Chief  
Mobile Source Operations Division

1999 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O. # A-9-421  
 Page 1 of 1

Manufacturer: Chrysler Corporation Exh Eng Fam: XCRXT0242120 Evap Fam: XCRXE0101G2S  
 All Eng Codes in Eng Fam: CA X 49S        50S        AB965        ORVR: YES        NO X  
 Exh Std: CA Tier-1        TLEV X LEV        ULEV        SULEV       ; US EPA Tier-1         
 Veh Class(es): PC        LDT1 X LDT2        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)         
 Exh. Emis Test Fuel(s): Indo        CBG X CNG        LPG        M85        Other (specify)         
                           Diesel: 13 CCR 2282        or 40 CFR 86.113-90        or 40 CFR 86.113-94         
 Evaporative Emission Test Procedure: California        Federal X  
 Service Accum: Std AMA        Mod AMA        Mfr ADP X Other (Specify)         
 NMOG Test Procedure: N/A        Std        Equiv X R/L Test Proce: SHED        Pt Source X  
 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 X 4WD-FT        4WD-PT X  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): WUOC, TWC, H02S(2), OBD II, SFI  
 (use abbreviations per SAE J1930 JUN93)

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)	XJBL74 XJTL72 XJTL74	A4	3625	S E E	56041493AC	None	52019480AF 52019435AB
CM-100 (CA)	XJTL72 XJTL74  XJJL72	M5	3625  3750	A T T A C H E D	56041589AC		

Date Issued: 04/30/98

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

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: XCRXI0242120  
Evaporative Fam: XCRXE0101G2S

Certificate #:

Model ID	Car Line	California Sales
XJTL72	Cherokee 2WD	YES
XJTL74	Cherokee 2WD	YES
XJBL74	Cherokee 2WD RHD	YES
XJLL72	Cherokee 4WD	YES

Model Codes

XJ J L 74

---Body Style  
72=2 door  
74=4 door  
77=open

Trim Level  
L=Covers all trim levels

Steering and Drive Line  
B=Right Hand Steering, 2 wd-rear  
U=Right Hand Steering, 4 wd  
J=Left Hand Steering, 4 wd  
I=Left Hand Steering, 2 wd-rear

Car Line

XJ=Cherokee  
YJ=Wrangler  
ZJ=Grand Cherokee

IJ=Wrangler(after 1996)  
MJ=Grand Cherokee(after 1998)

