

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 22nd 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)

ATTACHMENT TO SDS PAGE 1
OF EXECUTIVE ORDER A-9-421

1999
XCRXT0242120

Chrysler Corporation
Family Tire Usage

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	C	A	MKT	LWV	TIRE DESCRIPTION	COAST	DOWN	*DYNO	TIRE	PRES	COLD CO ELECTRIC DYNO COEFFICIENTS				
													TARGET A	B	C		
USE YR	COD	MFG	OPT	TIME	HP	F	R	(LINE 1 IS 20 DEG	COEFFS,	LINE 2 IS 50 DEG	WHEN NEEDED)	SET A	B	C			
XJBL74	ERH	DGS	RW	Y	4600	C	3625	STD 99 TM6 TZA	13.41	12.2	33	33	41.60		0.03508		
								OPT 99 TRL TZA	13.13	12.7	33	33	37.82		0.03189		
													44.17		0.03527		
													40.16		0.03206		
XJL72	ERH	DDQ	4A	Y	4850	C	3750	STD 99 TM6 TZA	12.26	14.1	33	33	52.33		0.03783		
													47.58		0.03439		
								OPT 99 TRL TZA	11.92	14.4	33	33	52.90		0.03930		
													48.09		0.03573		
XJTL72	ERH	DDQ	RA	Y	4550	C	3625	STD 99 TM6 TZA	13.41	12.2	33	33	41.60		0.03508		
													37.82		0.03189		
								OPT 99 TRL TZA	13.13	12.7	33	33	44.17		0.03527		
													40.16		0.03206		
XJTL72	ERH	DGS	RW	Y	4550	C	3625	STD 99 TM6 TZA	13.41	12.2	33	33	41.60		0.03508		
													37.82		0.03189		
								OPT 99 TRL TZA	13.13	12.7	33	33	44.17		0.03527		
													40.16		0.03206		
TL74	ERH	DDQ	RA	Y	4600	C	3625	STD 99 TM6 TZA	13.41	12.2	33	33	41.60		0.03508		
													37.82		0.03189		
								OPT 99 TRL TZA	13.13	12.7	33	33	44.17		0.03527		
													40.16		0.03206		
XJTL74	ERH	DGS	RP	Y	4600	C	3625	STD 99 TRC TZA	12.80	12.3	33	33	48.66		0.03488		
													44.24		0.03171		
								OPT 99 TRL TZA	13.13	12.7	33	33	44.17		0.03527		
													40.16		0.03206		
XJTL74	ERH	DGS	RW	Y	4600	C	3625	STD 99 TM6 TZA	13.41	12.2	33	33	41.60		0.03508		
													37.82		0.03189		
								OPT 99 TRL TZA	13.13	12.7	33	33	44.17		0.03527		
													40.16		0.03206		
								OPT 99 TRR TZA	12.26	12.1	33	33	54.15		0.03557		
													49.23		0.03234		
								OPT 99 TRV TZA	12.26	12.1	33	33	54.15		0.03557		
													49.23		0.03234		

REPORT DATE: 04/30/98