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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-419
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: XCRXT0242220 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
- Warm Up Oxidation Catalytic Converter

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:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>	<u>HCHO</u>	<u>CO (20°F)</u>
3751-5750	50,000	0.160	4.4	0.7	0.018	12.5
	100,000	0.200	5.5	0.9	0.023	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:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>	<u>HCHO</u>	<u>CO (20°F)</u>
3751-5750	50,000	0.074	1.7	0.2	0.001	2.4
	100,000	0.082	1.8	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 8th day of July 1998.



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-9-419
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Manufacturer: Chrysler Corporation Exh Eng Fam: XCRXT0242220 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 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)
 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: 181/190 @ 4600/4600 RPM
 Engine: Front X Mid Rear Drive: FWD RWD 4WD-PT X 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)	XJJL72	A4	3750	S	56041493AC	None	52019480AF 52019435AB
	XJJL74 XJUL74		3875	E			
CA-300 (CA)	TJJL77	A3	3875	A T A	56041470AC		52020064AE 52019435AB
CM-100 (CA)	XJJL74	M5	3750	C H E	56041489AC		52019480AF 52019435AB
CM-300 (CA)	TJJL77		3875	D	56041466AC		52020064AE 52019435AB

Date Issued: 04/30/98

Revisions: _____

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER Engine Family: XCRXT0242220 Certificate #:
Evaporative Fam: XCRXE0101G2S

Model ID	Car Line	California Sales
XJL72	Cherokee 4WD	YES
XJL74	Cherokee 4WD	YES
XJL74	Cherokee 4WD - RHD	YES
TJL77	Wrangler 4WD	YES

Rated HP

XJ - 190 @ 4600
TJ - 181 @ 4600

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
 T=Left Hand Steering, 2 wd-rear
 ---Car Line
 XJ=Cherokee
 YJ=Wrangler
 ZJ=Grand Cherokee
 TJ=Wrangler(after 1996)
 WJ=Grand Cherokee(after 1998)

ATTACHMENT TO SDS PAGE 1
OF EXECUTIVE ORDER A-9-419

1999
XCRXT0242220

Chrysler Corporation
Family Tire Usage

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVW	TIRE DESCRIPTION	COAST	DOWN	*DYNO	PRES	TIRE	TARGET	COLD CO ELECTRIC DYNO COEFFICIENTS						
													A	B	C				
TJJL77	ERH	DDQ	4A	Y	4450	C	3875	STD	99	TMW	TZA	11.33	16.1	33	33	50.09	0.04595		
								OPT	99	TMS	TZA	11.33	16.1	33	33	45.53	0.04177		
								OPT	99	TMS	TZA VKO	11.80	15.3	33	33	50.09	0.04595		
								OPT	99	TMW	TZA VKO	11.80	15.3	33	33	45.53	0.04177		
								OPT	99	TRN	TZA	11.17	16.2	33	33	45.49	0.04495		
								OPT	99	TRN	TZA VKO	11.56	15.4	33	33	41.35	0.04086		
								OPT	99	TUS	TZA	10.88	16.1	33	33	45.49	0.04495		
								OPT	99	TUS	TZA VKO	11.20	15.8	33	33	41.35	0.04086		
								OPT	99	TMS	TZA	11.33	16.1	33	33	53.68	0.04551		
								OPT	99	TMS	TZA VKO	11.80	15.3	33	33	48.80	0.04137		
								OPT	99	TMW	TZA	11.33	16.1	33	33	47.01	0.04563		
								OPT	99	TMW	TZA VKO	11.80	15.3	33	33	42.73	0.04148		
								OPT	99	TRN	TZA	11.17	16.2	33	33	50.09	0.04595		
								OPT	99	TRN	TZA VKO	11.56	15.4	33	33	45.53	0.04177		
								OPT	99	TUS	TZA	10.88	16.1	33	33	50.09	0.04595		
								OPT	99	TUS	TZA VKO	11.20	15.8	33	33	45.53	0.04177		
								OPT	99	TMW	TZA	10.89	16.1	33	33	45.49	0.04495		
								OPT	99	TMW	TZA VKO	11.30	15.4	33	33	41.35	0.04086		
								OPT	99	TRN	TZA	10.75	16.2	33	33	52.18	0.04583		
								OPT	99	TRN	TZA VKO	11.11	15.5	33	33	47.43	0.04166		
								OPT	99	TUS	TZA	10.48	16.2	33	33	57.23	0.04595		
								OPT	99	TUS	TZA VKO	10.78	15.9	33	33	52.03	0.04177		
								OPT	99	TMW	TZA	11.30	15.4	33	33	57.23	0.04595		
								OPT	99	TMW	TZA VKO	11.30	15.4	33	33	52.03	0.04177		
								OPT	99	TRN	TZA	10.75	16.2	33	33	52.62	0.04495		
								OPT	99	TRN	TZA VKO	11.11	15.5	33	33	47.93	0.04086		
								OPT	99	TUS	TZA	10.48	16.2	33	33	52.62	0.04495		
								OPT	99	TUS	TZA VKO	10.78	15.9	33	33	47.83	0.04086		
								OPT	99	TMW	TZA	10.89	16.1	33	33	60.85	0.04551		
								OPT	99	TMW	TZA VKO	11.30	15.4	33	33	55.32	0.04137		
								OPT	99	TRN	TZA	10.75	16.2	33	33	54.11	0.04563		
								OPT	99	TRN	TZA VKO	11.11	15.5	33	33	49.19	0.04148		
								OPT	99	TUS	TZA	10.48	16.2	33	33	62.43	0.04681		
								OPT	99	TUS	TZA VKO	10.78	15.9	33	33	56.76	0.04255		
								OPT	99	TMW	TZA	10.89	16.1	33	33	59.30	0.04583		
								OPT	99	TMW	TZA VKO	11.30	15.4	33	33	53.91	0.04166		

REPORT DATE: 04/30/98

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1999
XCRXT0242220

Chrysler Corporation
Family Tire Usage

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A C	MKT GW	LVW TYPE	ETW	TIRE DESCRIPTION	COAST DOWN	+DYNO HP	TIRE PRES	F	R	COLD CO ELECTRIC DYNO COEFFICIENTS						
													TARGET A	B	C				
(LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)																			
XJL72	ERH	DGS	4A	Y	4850	C	3750	STD 99	TM6	TZA	12.26	14.1	33	33	52.33	47.58	0.03783	0.03439	0.03930
								OPT 99	TRL	TZA	11.92	14.4	33	33	52.90	48.09	0.03573	0.03930	0.03573
XJL72	ERH	DGS	4W	Y	4850	C	3750	STD 99	TM6	TZA	12.26	14.1	33	33	52.33	47.58	0.03783	0.03439	0.03930
								OPT 99	TRL	TZA	11.92	14.4	33	33	52.90	48.09	0.03573	0.03930	0.03573
XJL74	ERH	DDQ	4A	Y	4900	C	3750	STD 99	TM6	TZA	12.26	14.1	33	33	52.33	47.58	0.03783	0.03439	0.03930
								OPT 99	TRL	TZA	11.92	14.4	33	33	52.90	48.09	0.03573	0.03930	0.03573
XJL74	ERH	DGS	4A	Y	4900	C	3875	STD 99	TM6	TZA	12.55	14.2	33	33	53.79	48.90	0.03783	0.03439	0.03930
								OPT 99	TRL	TZA	12.21	14.5	33	33	54.37	49.42	0.03573	0.03930	0.03573
								OPT 99	TRR	TZA	11.33	14.2	33	33	70.94	64.49	0.03793	0.03448	0.03793
								OPT 99	TRV	TZA	11.33	14.2	33	33	70.94	64.49	0.03793	0.03448	0.03448
XJL74	ERH	DGS	4P	Y	4900	C	3875	STD 99	TRC	TZA	11.57	15.0	33	33	63.84	58.03	0.03887	0.03534	0.03930
								OPT 99	TRL	TZA	12.21	14.5	33	33	54.37	49.42	0.03573	0.03930	0.03573
XJL74	ERH	DGS	4W	Y	4900	C	3875	STD 99	TM6	TZA	12.55	14.2	33	33	53.79	48.90	0.03783	0.03439	0.03930
								OPT 99	TRL	TZA	12.21	14.5	33	33	54.37	49.42	0.03573	0.03930	0.03573
								OPT 99	TRR	TZA	11.33	14.2	33	33	70.94	64.49	0.03793	0.03448	0.03793
								OPT 99	TRV	TZA	11.33	14.2	33	33	70.94	64.49	0.03793	0.03448	0.03448
XJL74	ERH	DGS	4W	Y	4900	C	3875	STD 99	TM6	TZA	12.55	14.2	33	33	53.79	48.90	0.03783	0.03439	0.03930
								OPT 99	TRL	TZA	12.21	14.5	33	33	54.37	49.42	0.03573	0.03930	0.03573

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