State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-418
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: XCRXT0150120 Displacement: 2.5 Liters (150 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:

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	0.060	1.8	0.1	0.001	4.1
	100,000	0.068	2.1	0.1	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

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

Manufacturer: Chrysler Corporation Exh Eng Fam: XCRXT0150120 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 X MDV1 ____ MDV2 ____ MDV3 ____ MDV4 ____ MDV5 ____

Single Cert Std for Multi-Class Eng Fam: LDT1 (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-4 Displacement: ____ / 2.5 Liters ____ / 150 Cubic Inches

Valves per Cylinder: 2 Rated HP: 120/120/125 @ 5200/5400/5400 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)	XJTL72 XJTL74	A3	3375	S E E	56041485AC	None	52019480AF 52019435AB
CA-300 (CA)	TJJL77		3625		56041462AC		52101129AA 52019435AB
CM-100 (CA)	XJTL72 XJTL74	M5	3375	A T T A C H E D	56041481AC		52019480AF 52019435AB
	XJJL72		3500				
	XJJL74		3625				
CM-300 (CA)	TJJL77		3625		56041458AC		52101129AA 52019435AB
CM-500 (CA)	AN1L61 AN1L62		3750		56040027AA 56040027AB		52103269AA 52021007AB
	AN1L31		3875				

Date Issued: 04/30/98

Revisions: ____

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MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: XCRXT0150120
Evaporative Fam: XCRXE0101G2S

Certificate #:

Model ID	Car Line	California Sales
XJTL72	Cherokee 2WD	YES
XJTL74	Cherokee 2WD	YES
XJJL72	Cherokee 4WD	YES
XJJL74	Cherokee 4WD	YES
AN1L31	Dakota Pickup 2WD	YES
AN1L61	Dakota Pickup 2WD	YES
AN1L62	Dakota Pickup 2WD	YES
TJJL77	Wrangler 4WD	YES

Rated HP

XJ - 125 @ 5400
AN - 120 @ 5200
TJ - 120 @ 5400

Model Codes
AN 1 L 31

- 1st digit: 3=Club Cab, 6=Regular Cab
- 2nd digit: 1=119" or 130.9" wb, 2=123.9" wb
- Price Class
- Model: 1=2 wheel drive, 5=4 wheel drive
- Body Code: Dakota Pickup

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)

REPORT DATE: 04/30/98

ATTACHMENT TO SDS PAGE 1
OF EXECUTIVE ORDER A-9-418

ATTACHMENT TO SDS PAGE 1
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1999
XCRXT0150120

Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE USE	DESCRIPTION YR	COD	MFG	OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	LOADED VEHICLE WEIGHT TARGET (LINE 1 IS 20 DEG	COLD CO ELECTRIC DYNO COEFFICIENTS SET A COEFFS,LINE 2 IS 50 DEG A	B	C	B WHEN	C NEEDED)
AN1L31	EPE	DDK	RA Y	4780	C	3875	STD	99	TMD	TZA		14.61	12.7	35	35	39.53			0.03456		
																35.94			0.03142		
							OPT	99	TME	TZA		14.61	12.7	35	35	39.53			0.03456		
																35.94			0.03142		
							OPT	99	TS1	TZA		13.74	13.2	35	35	38.15			0.03856		
																34.68			0.03505		
							OPT	99	TS2	TZA		13.74	13.2	35	35	38.15			0.03856		
																34.68			0.03505		
							OPT	99	TXS	TZA		12.74	13.0	35	35	43.70			0.04084		
																39.73			0.03713		
AN1L61	EPE	DDK	RA Y	4580	C	3750	STD	99	TMD	TZA		14.40	12.4	35	35	37.14			0.03436		
																33.76			0.03124		
							OPT	99	TME	TZA		14.40	12.4	35	35	37.14			0.03436		
																33.76			0.03124		
							OPT	99	TS1	TZA		13.51	12.9	35	35	35.82			0.03856		
																32.57			0.03505		
							OPT	99	TS2	TZA		13.51	12.9	35	35	35.82			0.03856		
																32.57			0.03505		
							OPT	99	TXS	TZA		12.54	12.7	35	35	41.10			0.04084		
																37.36			0.03713		
AN1L62	EPE	DDK	RA Y	4660	C	3750	STD	99	TMD	TZA		14.40	12.4	35	35	37.14			0.03436		
																33.76			0.03124		
							OPT	99	TME	TZA		14.40	12.4	35	35	37.14			0.03436		
																33.76			0.03124		
							OPT	99	TS1	TZA		13.51	12.9	35	35	35.82			0.03856		
																32.57			0.03505		
							OPT	99	TS2	TZA		13.51	12.9	35	35	35.82			0.03856		
																32.57			0.03505		
							OPT	99	TXS	TZA		12.54	12.7	35	35	41.10			0.04084		
																37.36			0.03713		
TJJL77	EPE	DDQ	4W Y	4450	C	3625	STD	99	TPN	TZA		10.86	15.6	33	33	50.78			0.04401		
																46.16			0.04001		
							OPT	99	TMW	TZA		10.82	15.9	33	33	46.46			0.04595		
																42.23			0.04177		
							OPT	99	TMW	TZA	VKO	11.26	15.2	33	33	42.15			0.04495		
																38.32			0.04086		
							OPT	99	TPN	TZA	VKO	11.10	15.1	33	33	47.45			0.04370		
																43.14			0.03973		
							OPT	99	TRN	TZA		10.69	15.9	33	33	49.82			0.04551		
																45.29			0.04137		
							OPT	99	TRN	TZA	VKO	11.04	15.3	33	33	43.58			0.04563		
																39.62			0.04148		
TJJL77	EPE	DGD	4W Y	4450	C	3625	STD	99	TPN	TZA		10.43	15.7	33	33	57.97			0.04401		
																52.70			0.04001		

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Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE USE	YR	DESCRIPTION COD	MFG	OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	LOADED VEHICLE WEIGHT TARGET A (LINE 1 IS 20 DEG	COLD CO ELECTRIC DYNO COEFFICIENTS B	C	SET A COEFFS,LINE 2 IS 50 DEG	B	C WHEN NEEDED)
							OPT	99	TMW	TZA		10.40	15.9	33	33	53.62		0.04595			
																48.74		0.04177			
							OPT	99	TMW	TZA	VKO	10.81	15.2	33	33	49.30		0.04495			
																44.82		0.04086			
							OPT	99	TPN	TZA	VKO	10.66	15.2	33	33	54.59		0.04370			
																49.62		0.03973			
							OPT	99	TRN	TZA		10.27	16.0	33	33	57.01		0.04551			
																51.82		0.04137			
							OPT	99	TRN	TZA	VKO	10.60	15.4	33	33	50.69		0.04563			
																46.08		0.04148			
XJJL72	EPE	DDQ	4W Y	4850	C	3500	STD	99	TM6	TZA		11.68	13.8	33	33	49.25		0.03783			
																44.77		0.03439			
							OPT	99	TRL	TZA		11.35	14.1	33	33	49.78		0.03930			
																45.25		0.03573			
XJJL74	EPE	DDQ	4W Y	4900	C	3625	STD	99	TM6	TZA		12.03	13.8	33	33	50.05		0.03783			
																45.50		0.03439			
							OPT	99	TRL	TZA		11.69	14.1	33	33	50.58		0.03930			
																45.98		0.03573			
XJTL72	EPE	DDQ	RW Y	4550	C	3375	STD	99	TM6	TZA		12.71	11.9	33	33	39.14		0.03508			
																35.58		0.03189			
							OPT	99	TRL	TZA		12.46	12.4	33	33	41.56		0.03527			
																37.78		0.03206			
XJTL72	EPE	DGD	RW Y	4550	C	3375	STD	99	TM6	TZA		12.19	12.0	33	33	45.03		0.03508			
																40.93		0.03189			
							OPT	99	TRL	TZA		11.96	12.6	33	33	47.47		0.03527			
																43.16		0.03206			
XJTL74	EPE	DDQ	RW Y	4600	C	3375	STD	99	TM6	TZA		12.71	11.9	33	33	39.14		0.03508			
																35.58		0.03189			
							OPT	99	TRL	TZA		12.46	12.4	33	33	41.56		0.03527			
																37.78		0.03206			
XJTL74	EPE	DGD	RW Y	4600	C	3375	STD	99	TM6	TZA		12.19	12.0	33	33	45.03		0.03508			
																40.93		0.03189			
							OPT	99	TRL	TZA		11.96	12.6	33	33	47.47		0.03527			
																43.16		0.03206			

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