State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-374
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 1998 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: WCRXT0242220 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)
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 1998 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)
3751-5750	50,000	0.059	0.8	0.2	0.002	2.5
	100,000	0.064	1.0	0.3	0.002	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 26th day of June 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O. # A-9-374

1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: WCRXT0242220 Evap Fam: WCRXE0101G2S

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 X Mfr ADP ____ 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: 181/185/190 * @ 4600 RPM

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

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)	ZJTL74	A4	4000	S E E	56044514AB	None	52018935 52101401AB
	ZJJL74		4250				
CA-300 (CA)	XJJL72		3750	A T T A C H E D	56041537AB		52019435 52101401AB
	XJJL74 XJUL74		3875				
CA-500 (CA)	XJJL74		3875				
CA-700 (CA)	TJJL77	A3	3750		56041623AB		52019435 52020064AC
CM-100 (CA)	XJJL74	M5	3750		56041532AB		52019435 52101401AB
CM-300 (CA)	TJJL77		3750		56041624AB		52019435 52020064AC

Date Issued: 4-8-97

Revisions: 6-24-97 - Correction of NMOG test procedure.
* XJ - 190-HP / ZJ - 185-HP / TJ - 181HP

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VEHICLE MODELS/CARLINE

Engine Family:	WCRXT0242220
Evaporative Family:	WCRXE0101G2S
Exhaust Control System:	WUOC, TWC, HO2S(2), OBD II, SFI
Evap. Control System:	Canister
Engine Displacement:	4.0L

Carline	Model Code
Jeep® Wrangler 4WD	TJJL77
Jeep® Cherokee 4WD	XJJL72, XJJL74, XJUL74 ~
Jeep® Grand Cherokee 4WD	ZJJL74
Jeep® Grand Cherokee 2WD	ZJTL74

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CAR-374

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1998
WCRXT0242220

Chrysler Corporation
Family Tire Usage

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE DESCRIPTION USE	YR	COD	MFG	OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	COLD CO ELECTRIC DYNO COEFFICIENTS TARGET A B C SET A B C (LINE 1 IS 20 DEG COEFFS,LINE 2 IS 50 DEG WHEN NEEDED)
TJJL77	ERH	DDQ	4A Y	4450	C	3750	STD	98	TMS	TZA		11.05	16.0	33	33	
							OPT	98	TMS	TZA	VKO	11.51	15.2	33	33	
							OPT	98	TMW	TZA		11.05	16.0	33	33	
							OPT	98	TMW	TZA	VKO	11.51	15.2	33	33	
							OPT	98	TRN	TZA		10.90	16.1	33	33	
							OPT	98	TRN	TZA	VKO	11.28	15.4	33	33	
TJJL77	ERH	DDQ	4B Y	4450	C	3750	STD	98	TMS	TZA		11.05	16.0	33	33	
							OPT	98	TMS	TZA	VKO	11.51	15.2	33	33	
							OPT	98	TMW	TZA		11.05	16.0	33	33	
							OPT	98	TMW	TZA	VKO	11.51	15.2	33	33	
							OPT	98	TRN	TZA		10.90	16.1	33	33	
							OPT	98	TRN	TZA	VKO	11.28	15.4	33	33	
							OPT	98	TUS	TZA		10.62	16.1	33	33	
							OPT	98	TUS	TZA	VKO	10.93	15.7	33	33	
TJJL77	ERH	DGG	4W Y	4450	C	3750	STD	98	TMS	TZA		10.64	16.0	33	33	
							OPT	98	TMS	TZA	VKO	11.06	15.3	33	33	
							OPT	98	TMW	TZA		10.64	16.0	33	33	
							OPT	98	TMW	TZA	VKO	11.06	15.3	33	33	
							OPT	98	TRN	TZA		10.50	16.1	33	33	
							OPT	98	TRN	TZA	VKO	10.85	15.4	33	33	
							OPT	98	TUS	TZA		10.24	16.1	33	33	
							OPT	98	TUS	TZA	VKO	10.53	15.8	33	33	
XJJL72	ERH	DGS	4A Y	4850	C	3750	STD	98	TM6	TZA		12.05	13.7	33	33	
							OPT	98	TRL	TZA		11.99	13.6	33	33	
XJJL72	ERH	DGS	4W Y	4850	C	3750	STD	98	TM6	TZA		12.05	13.7	33	33	
							OPT	98	TRL	TZA		11.99	13.6	33	33	
XJJL74	ERH	DDQ	4A Y	4900	C	3750	STD	98	TM6	TZA		12.51	13.6	33	33	
							OPT	98	TRL	TZA		12.45	13.5	33	33	
XJJL74	ERH	DGS	4A Y	4900	C	3875	STD	98	TM6	TZA		12.41	13.7	33	33	
							OPT	98	TRL	TZA		12.35	13.6	33	33	
							OPT	98	TRV	TZA		11.92	13.9	33	33	
XJJL74	ERH	DGS	4P Y	4900	C	3875	STD	98	TRC	TZA		11.86	14.1	33	33	
							OPT	98	TRL	TZA		12.35	13.6	33	33	
XJJL74	ERH	DGS	4W Y	4900	C	3875	STD	98	TM6	TZA		12.41	13.7	33	33	
							OPT	98	TRL	TZA		12.35	13.6	33	33	
							OPT	98	TRV	TZA		11.92	13.9	33	33	
XJUL74	ERH	DGS	4W Y	4900	C	3875	STD	98	TM6	TZA		12.41	13.7	33	33	
							OPT	98	TRL	TZA		12.35	13.6	33	33	
ZJJL74	ERH	DGK	4A Y	5300	C	4250	STD	98	TM6	TZA		14.22	12.8	36	36	
							OPT	98	TRD	TZA		13.80	12.6	36	36	
							OPT	98	TRH	TZA		13.92	12.5	36	36	
							OPT	98	TRL	TZA		14.38	12.4	36	36	
							OPT	98	TRP	TZA		13.80	12.6	36	36	

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1998
WCRXT0242220

Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE DESCRIPTION USE	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 A	B	C COEFFS,	SET A LINE 2 IS 50	B DEG	C WHEN NEEDED)
							OPT	98	TRT	TZA		13.92	12.7	36	36							
							OPT	98	TYR	TZA		13.46	12.6	36	36	60.16			0.03699	35.76	-0.7408	0.04188
ZJJL74	ERH	DGK	4B	Y 5300	C	4250	STD	98	TM6	TZA		14.22	12.8	33	33							
							OPT	98	TRD	TZA		13.80	12.6	36	36							
							OPT	98	TRH	TZA		13.92	12.5	36	36							
							OPT	98	TRL	TZA		14.38	12.4	36	36							
							OPT	98	TRP	TZA		13.80	12.6	36	36							
							OPT	98	TRT	TZA		13.92	12.7	36	36							
							OPT	98	TYR	TZA		13.46	12.6	36	36	60.16			0.03699	35.76	-0.7408	0.04188
ZJTL74	ERH	DGK	RW	Y 5000	C	4000	STD	98	TM6	TZA		14.40	11.8	36	36							
							OPT	98	TRD	TZA		13.72	11.6	36	36							
							OPT	98	TRH	TZA		13.75	11.9	36	36							
							OPT	98	TRL	TZA		13.93	12.3	36	36							
							OPT	98	TRP	TZA		13.72	11.6	36	36							
							OPT	98	TRT	TZA		14.08	11.9	36	36							

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