File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-356-A
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 1997 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: VCR24228G2JK 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 1997 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	0.077	1.0	0.1	0.002	2.3
	100,000	0.084	1.2	0.1	0.003	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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

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 19 day of November 1996.

John G. Henderson for
R. B. Summerfield, Chief
Mobile Source Operations Division

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1997 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: VCR24228G2JK Evap Fam: VCR1049AYP0N

All Eng Codes in Eng Fam: CA X 49S___ 50S___ AB965___

Exh Std: CA Tier-1___ TLEV X LEV___ ULEV___ ZEV___; US EPA Tier-1___

Evap Std: 50K X Useful Life with R/L___ In-Use Exh Std: Full In Use X Alt In Use___

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)___

Emis Test Fuel(s): Indo___ Ph2 X CNG___ LPG___ M85___ Other(specify) ___

Diesel: 13 CCR 2282___ or 40 CFR 86.113-90___ or 40 CFR 86.113-94___

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___

Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine)___

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___ 4WD-FT X 4WD-PT X

Exhaust ECS (eg., EGR, MFI, TC, CAC): WUOC, TWC, HO2S(2), OBD II, SFI
(use abbreviations per SAE J1930 SEP91)

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-300 (CA)	XJJL72	A4	3750	S	56041280AC	None	52021003
	XJJL74		3875	E			52101401
	XJUL74			E			
CA-500 (CA)	XJJL72		3750	A			
	XJJL74		3875	T			
				T			
				A			
				C			
				H			
				E			
				D			

Date Issued: 10-16-96 - RC039TC

Revisions: ___

ATTACHMENT TO SDS PAGE 1
OF EXECUTIVE ORDER A-9-356-A

VEHICLE MODELS/CARLINE

Engine Family:	VCR24228G2JK
Evaporative Family:	VCR1049AYP0N
Exhaust Control System:	WUOC, TWC, HO2S(2), OBD II, SFI
Evap. Control System:	Canister
Engine Displacement:	4.0L

Carline	Model Code
Jeep® Cherokee 4WD	XJJL72, XJJL74, XJUL74

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CAR-TP01-3

ATTACHMENT TO SDS PAGE 1
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1997
VCR24228G2JK

Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE DESCRIPTION USE	YR	COD	MPG	OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	LOADED VEHICLE WEIGHT TARGET (LINE 1	COLD CO ELECTRIC DYNO COEFFICIENTS A IS 20 DEG	B COEFFS,	C	SET A LINE 2	B IS 50 DEG	C WHEN NEEDED)
XJJL72	ERH	DGS	4A Y	4850	C	3750	STD	97	TRL	TZA		12.20	14.0	33	33							
							OPT	97	TM6	TZA		11.92	14.4	33	33							
							OPT	97	TRV	TZA		11.13	13.5	33	33							
XJJL72	ERH	DGS	4P Y	4850	C	3750	STD	97	TRC	TZA		11.72	14.6	33	33							
							OPT	97	TRL	TZA		12.20	14.0	33	33							
XJJL72	ERH	DGS	4W Y	4850	C	3750	STD	97	TRL	TZA		12.20	14.0	33	33							
							OPT	97	TM6	TZA		11.92	14.4	33	33							
							OPT	97	TRV	TZA		11.13	13.5	33	33							
XJJL74	ERH	DGS	4A Y	4900	C	3875	STD	97	TRL	TZA		12.53	14.0	33	33							
							OPT	97	TM6	TZA		12.23	14.4	33	33							
							OPT	97	TRV	TZA		11.42	13.5	33	33							
XJJL74	ERH	DGS	4P Y	4900	C	3875	STD	97	TRC	TZA		12.03	14.6	33	33							
							OPT	97	TRL	TZA		12.53	14.0	33	33							
XJJL74	ERH	DGS	4W Y	4900	C	3875	STD	97	TRL	TZA		12.53	14.0	33	33							
							OPT	97	TM6	TZA		12.23	14.4	33	33							
							OPT	97	TRV	TZA		11.42	13.5	33	33							
XJUL74	ERH	DGS	4W Y	4900	C	3875	STD	97	TRL	TZA		12.53	14.0	33	33							
							OPT	97	TM6	TZA		12.23	14.4	33	33							
ZJJL74	ERH	DGK	4A Y	5300	C	4250	STD	97	TM6	TZA		13.65	13.5	36	36							
							OPT	97	TRD	TZA		13.09	13.5	36	36							
							OPT	97	TRH	TZA		13.20	13.6	36	36	66.40		0.03664	51.84		-1.2268	0.04786
							OPT	97	TRL	TZA		13.96	12.9	36	36							
							OPT	97	TRT	TZA		13.52	13.1	36	36							
							OPT	97	TYR	TZA		13.22	12.8	36	36							
ZJJL74	ERH	DGK	4B Y	5300	C	4250	STD	97	TM6	TZA		13.65	13.5	36	36							
							OPT	97	TRD	TZA		13.09	13.5	36	36							
							OPT	97	TRH	TZA		13.20	13.6	36	36	66.40		0.03664	51.84		-1.2268	0.04786
							OPT	97	TRL	TZA		13.96	12.9	36	36							
							OPT	97	TRT	TZA		13.52	13.1	36	36							
							OPT	97	TYR	TZA		13.22	12.8	36	36							
ZJTL74	ERH	DGK	RW Y	5000	C	4000	STD	97	TM6	TZA		14.13	12.4	36	36							
							OPT	97	TRD	TZA		13.71	12.2	36	36							
							OPT	97	TRH	TZA		13.59	13.0	36	36							
							OPT	97	TRL	TZA		14.52	12.2	36	36							
							OPT	97	TRT	TZA		13.75	12.3	36	36							

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