File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-358
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:

Fuel Type: Gasoline

Engine Family: VCR24228G1EK Displacement: 4.0 Liters (242 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Heated Oxygen Sensors (two)
Three Way Catalytic Converter
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.09	1.9	0.3	5.7
	100,000	0.09	2.0	0.36	n/a

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 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 non-methane organic gas (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 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 Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

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.).

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.

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 11th day of July 1996.

Raphael Sonnovitz

for R. B. Summerfield
Assistant Division Chief
Mobile Source 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: VCR24228G1EK Evap Fam: VCR1049AYPON

All Eng Codes in Eng Fam: CA X 49S ____ 50S ____ AB965 ____

Exh Std: CA Tier-1 X TLEV ____ 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 X Std ____ Equiv ____ 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: 181 & 190 @ 4600 & 4600 RPM

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

Exhaust ECS (eg., EGR, MFI, TC, CAC): 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-100 (CA)	XJJL72 XJJL74	A4	3750	SEE	56041277	None	52022019
	XJUL74		3875				
CA-400 (CA)	TJJL77	A3	3750	ATTACHED	56041338		52020064
CA-500 (CA)	XJJL72 XJJL74	A4	3750		56041280		52022019
CM-100 (CA)	XJJL74	M5	3750		56041274		
CM-400 (CA)	TJJL77		3750		56041312		52020064

Date Issued: 04-23-96

Revisions: ____

SDS-tp05/master1.97

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VEHICLE MODELS/CARLINE

Engine Family:	VCR24228G1EK
Evaporative Family:	VCR1049AYPON
Exhaust Control System:	TWC, HO2S(2), OBD II, SFI
Evap. Control System:	Canister
Engine Displacement:	4.0L

Carline	Model Code
Jeep® Cherokee 4WD	XJJL72, XJJL74, XJUL74
Jeep® Wrangler 4WD	TJJL77

REPORT DATE: 04-23-96

CAR-EP05

ATTACHMENT TO SDS PAGE 1
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1997
VCR24228G1EK

Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	ETW ~~GVW~~	TIRE USE	DESCRIPTION YR	COD	MPG	OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F	R	LOADED VEHICLE WEIGHT TARGET (LINE 1 IS 20 DEG	COLD CO ELECTRIC DYNO COEFFICIENTS A	B	C	SET A	B	C
TJJL77	ERH	DDQ	4C N	4360	C	3750	STD	97	TMS	TZA		11.93	15.2	33	33							
							OPT	97	TMS	TZA	VKO	12.35	14.5	33	33							
							OPT	97	TMW	TZA		11.93	15.2	33	33							
							OPT	97	TMW	TZA	VKO	12.35	14.5	33	33							
							OPT	97	TPN	TZA		11.93	15.2	33	33							
							OPT	97	TPN	TZA	VKO	12.35	14.5	33	33							
							OPT	97	TRN	TZA		11.60	15.2	33	33							
							OPT	97	TRN	TZA	VKO	12.00	14.5	33	33							
							OPT	97	TUS	TZA		11.18	15.7	33	33	51.82		0.04858	31.47		-0.7080	0.05292
							OPT	97	TUS	TZA	VKO	11.55	15.0	33	33							
TJJL77	ERH	DGG	4A N	4360	C	3750	STD	97	TMS	TZA		11.16	15.2	33	33							
							OPT	97	TMS	TZA	VKO	11.52	14.5	33	33							
							OPT	97	TMW	TZA		11.16	15.2	33	33							
							OPT	97	TMW	TZA	VKO	11.52	14.5	33	33							
							OPT	97	TPN	TZA		11.16	15.2	33	33							
							OPT	97	TPN	TZA	VKO	11.52	14.5	33	33							
							OPT	97	TRN	TZA		10.86	15.2	33	33							
							OPT	97	TRN	TZA	VKO	11.21	14.5	33	33							
							OPT	97	TUS	TZA		10.50	15.8	33	33	63.35		0.04858	58.68		-1.3806	0.05891
							OPT	97	TUS	TZA	VKO	10.82	15.1	33	33							
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							
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	DDQ	4A Y	4900	C	3750	STD	97	TRL	TZA		12.67	13.9	33	33							
							OPT	97	TM6	TZA		12.37	14.3	33	33							
							OPT	97	TRV	TZA		11.53	13.4	33	33							
XJJL74	ERH	DGS	4A Y	4900	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	4P Y	4900	C	3750	STD	97	TRC	TZA		11.72	14.6	33	33							
XJJL74	ERH	DGS	4W Y	4900	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							
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							

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CAR-IP95