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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-357 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: VCR24218G1EK 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	Miles	Non-Methane	Carbon	Nitrogen	Carbon			
Weight(lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides	<u>Monoxide(20°F)</u>			
0-3750	50,000	0.25	3.4	0.4	10.0			
	100,000	0.31	4.2	0.6	n/a			

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

Loaded Vehicle	Miles	Non-Methane	Carbon	Nitrogen	Carbon				
Weight(lbs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides	<u>Monoxide (20°F)</u>				
0-3750	50,000	0.07	0.8	0.3	3.9				
	100,000	0.07	0.9	0.4	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 and Smog Index 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 May of October 19

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: VCR24218G1EK Evap Fam: VCR1049AYPON
All Eng Codes in Eng Fam: CA X 495 505 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): PCLDT1_X LDT2MDV1MDV2MDV3MDV4MDV5
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
CNGLNGLPGM85Other (specify)
Emis Test Fuel(s): IndoPh2_XCNGLPGM85Other(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: <u>I-6</u> Displacement: / 4.0 Liters / 242 Cubic Inches
Valves per Cylinder: 2 Rated HP: 190 @ 4600 RPM
Engine: Front_X_MidRearDrive: FWDRWD_X_4WD-FT4WD-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 Converted Part No.
CA-100 (CA)	X3BL74 X3TL72 X3TL74	A4	3625	S E E	\$6041277AC	None	52022019
CA-500 (CA)	XJTL72 XJTL74		3625	A T			
CM-100 (CA)	XJTL72	Н5	3500	T A C	56041274 A C		
	XJTL74		3625	H			
	XJJL72		3750	D			
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Date Issued: 09-26-96

Revisions:

ATTACHMENT TO SDS PAGE 1 OF EXECUTIVE ORDER A-9-357

VEHICLE MODELS/CARLINE

Engine Family:

VCR24218G1EK

Evaporative Family:

VCR1049AYPON

Exhaust Control System:

TWC, HO2S(2), OBD II, SFI

Evap. Control System:

Canister

Engine Displacement:

4.0L

Carline	Model Code	
Jeep₀ Cherokee 2WD	XJBL74, XJTL72, XJTL74	
Jeep• Cherokee 2WD	XJJL72	

REPORT DATE: 09-26-96

ATTACHMENT TO SDS PAGE 1 OF EXECUTIVE ORDER A-9-357

1997 VCR24218G1EK

Chrysler Corporation Family Tire Usage

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS		A C GVV	MKT TYPI		TIR	E D YR	ESCR COD	IPTIO MFG	ON OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F R	TARGET (LINE 1	A			C		SET	` A :		В		C NEEDED)
XJBL74	ERH	DGS F	W	Y 4600	С	3625	STD	97	TRL	TZA		13.09	12.9	33 33			•••••		•							
							OPT	97	TM6	TZA		12.72														
XJJL72	ERH	DDQ 4	A	Y 4850	C	3750	STD	97	TRL	TZA		12.67		-												
							OPT	97	TM6	TZA				33 33												
							OPT	97	TRV	TZA		11.53	13.4	33 33	59.52			0.0	3910				_			
XJTL72	ERH	DDQ R	A :	Y 4550	C	3500	STD	97	TRL	TZA		13.19						0.0		, ,	J. 4	,	- 0	. 501	, ,	.04136
							OPT	97	TM6	TZA		12.80	13.2	33 33												
V 1781 3.5				_					TRV			11.87	12.4	33 33												
XJTL72	ERH	DG5 R	P	4550	С	3625			TRC			12.51	13.5	33 33												
V 7001									TRL			13.09	12.9	33 33												
XJTL72	ERH	DGS R	WY	4550	C	3625			TRL			13.09	12.9	33 33												
									TM6			12.72	13.3	33 33												
V 7mr 7 .									TRV			11.82	12.4	33 33												
XJTL74	ERH I	DDQ R	A Y	4600	С	3625			TRL			13.65	12.7	33 33												
									TM6			13.24	13.1	33 33												
V 7001 7 4 1									TRV			12.28	12.2	33 33												
XJTL74	EKH	XIS RI	P Y	4600	c :				TRC			12.51	13.5	33 33												
V 1771 7 4 1									TRL			13.09	12.9	33 33												
XJTL74 I	ENH L	XGS RV	Y	4600	C :				TRL			13.09	12.9	33 33												
							TTC	97	IM6	TZA		12.72	13.3	33 33												
							TPC	97	TRV	ΓZΑ		11.82	12.4	33 33												

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