

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-311-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 1996 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: TCR24228G1EK 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:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
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:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.10	0.7	0.2	3.4
	100,000	0.11	0.8	0.32	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 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 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 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 manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 20<sup>th</sup> day of February 1996.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

Manufacturer: Chrysler Corporation Exh Eng Fam: TCR24228G1EK Evap Fam: TCR1098AYP1N  
 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 \_\_\_\_\_ Useful Life with R/L X 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 CFR 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 \_\_\_\_\_ Equip \_\_\_\_\_ R/L Test Proce: SHED \_\_\_\_\_ Pt Source X  
 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: \_\_\_\_\_ 185 @ 4600 RPM  
 Engine: Front X Mid \_\_\_\_\_ Rear \_\_\_\_\_ Drive: FWD \_\_\_\_\_ RWD X 4WD-FT X 4WD-PT \_\_\_\_\_  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC, HO2S(2), \_\_\_\_\_ 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-200 (CA)	ZJTL74	A4	4000	S E E	56041261 56044261 56041206 56041173 56041122	None	52022019
	ZJJL74		4250				

Date Issued: 12/22/95 (RC054TC)

Revisions: \_\_\_\_\_

VEHICLE MODELS/CARLINE

Engine Family: TCR24228G1EK  
Evaporative Family: TCR1098AYP1N  
Exhaust Control System: TWC, HO2S(2), OBD II, SFI  
Evap. Control System: Canister  
Engine Displacement: 4.0L

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Carline	Model Code
JEEP GRAND CHEROKEE 4WD	ZJL74
JEEP GRAND CHEROKEE 2WD	ZJTL74

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REPORT DATE: 11/16/95  
(RC054TC)

ATTACHMENT TO SDS PAGE 1  
OF EXECUTIVE ORDER A-9-311-A

1996  
TCR24228G1EK

Chrysler Corporation  
Family Tire Usage

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A C	MKT GVW	TYPE	LVM	TIRE DESCRIPTION USE YR COD MPG OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F R	COLD CO ELECTRIC DYNO COEFFICIENTS (LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)			
											TARGET A	B	C	
ZJJL74	BRH	DGR	4A	Y	5300	C	4250	STD 96 TM6 TZA	13.44	13.7	36 36			
								OPT 96 TRH TZA	12.67	13.4	36 36			
								OPT 96 TRN TZA	13.34	13.0	36 36			
								OPT 96 TRT TZA	12.95	13.1	36 36			
								OPT 96 TYR TZA	12.86	13.4	36 36			
ZJJL74	BRH	DGR	4B	Y	5300	C	4250	STD 96 TM6 TZA	13.44	13.7	36 36			
								OPT 96 TRH TZA	12.67	13.4	36 36			
								OPT 96 TRN TZA	13.34	13.0	36 36			
								OPT 96 TRT TZA	12.95	13.1	36 36			
								OPT 96 TYR TZA	12.86	13.4	36 36			
ZJTL74	BRH	DGR	RW	Y	4950	C	4000	STD 96 TM6 TZA	14.08	13.1	36 36			
								OPT 96 TRH TZA	13.21	12.9	36 36			
								OPT 96 TRN TZA	13.97	12.5	36 36			
								OPT 96 TRT TZA	13.47	12.5	36 36			

REPORT DATE: 11/16/95  
(RC054TC)