

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-351
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: VCRL4828G1EK Displacement: 2.4 Liters (148 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	0.14	2.5	0.4	9.3
	100,000	0.19	3.6	0.57	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 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.



for R. B. Summerfield
Assistant Division Chief
Mobile Source Division

Manufacturer: Chrysler Corporation Exh Eng Fam: VCRI4828G1EK Evap Fam: VCRI098AYPIA
 All Eng Codes in Eng Fam: CA 49S 50S AB965
 Emission Std: CA Tier-1 TLEV LEV ULEV ZEV ; US EPA Tier-1
 Emission Std: 50K Useful Life with R/L In-Use Exh Std: Full In Use Alt In Use
 Veh Class(es): PC LDT1 LDT2 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 Flex-Fuel Dual-Fuel Bi-Level Gasoline Diesel
 CNG LNG LPG M85 Other (specify) _____
 Emis Test Fuel(s): Indo Ph2 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 Mfr ADP Other (Specify) _____
 NMOG Test Procedure: N/A Std Equip R/L Test Proce: SHED Pt Source
 Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine) Otto
 Engine Configuration: I-4 Displacement: _____ / 2.4 Liters _____ / 148 Cubic Inches
 Valves per Cylinder: 2 Rated HP: _____ 150 @ _____ 5200 RPM
 Engine: Front Mid Rear Drive: FWD RWD 4WD-FT 4WD-PT
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC, SFI, HO2S(2), OBD II
 (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)	NSHH53 NSKH53	A4	4250	SEE ATTACHMENT	04727201AA	-----	04682995 04682996
	NSHH52 NSKH52						
CA-200 (CA)	NSHL53 NSKL53		4250				
	NSHL52 NSKL52		4000				

Date Issued: 6-7-96

Revisions: _____

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: VCR14828G1EK
Evaporative Fam: VCR1098AYPIA

Certificate #:

Model ID	Car Line	California Sales
NSKL52	Caravan 2WD	YES
NSKH52	Caravan SE 2WD	YES
NSKL53	Grand Caravan LE 2WD	YES
NSKH53	Grand Caravan SE 2WD	YES
NSHL53	Grand Voyager 2WD	YES
NSHH53	Grand Voyager SE 2WD	YES
NSHL52	Voyager 2WD	YES
NSHH52	Voyager SE 2WD	YES

Model Codes

NS	Body Style	Model	Body Code
K	12=113" wb Van	K=Dodge	NS=Minivan
P	13=118" wb Van	H=Plymouth	
53	52=113" wb Wagon	Y=Chrysler	
	53=118" wb Wagon	C=Chrysler	
	Price Class		
	H=High Line		
	P=Premium		
	L=Low Line		
	D=Dodge AWD		
	P=Plymouth AWD		
	C=Chrysler AWD		

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	C	GYM	TYPE	LW	TIRE	DESCRIPTION	COAST	*DYNO	TIRE	TARGET A	B	C	SET A	B	C	COAST	DOWN	*DYNO	TIRE	ALYW	TIME	HP	F	R		
NSHH52	EDZ	DGL	DGL	FW	Y	0	C	4250	STD	97	TMR	TZA	18.56	10.1	35	35														
NSHH53	EDZ	DGL	DGL	FW	Y	0	C	4250	OPT	97	TMR	TZH	16.64	8.9	35	35														
NSHL52	EDZ	DGC	DGC	FW	Y	0	C	4000	OPT	97	TMR	TZA	16.64	8.9	35	35														
NSHL53	EDZ	DGC	DGC	FW	Y	0	C	4250	OPT	97	TMR	TZA	15.99	10.0	35	35														
NSKH52	EDZ	DGL	DGL	FW	Y	0	C	4250	OPT	97	TMR	TZH	16.66	8.8	35	35														
NSKH53	EDZ	DGL	DGL	FW	Y	0	C	4250	STD	97	TMR	TZA	16.76	10.3	35	35														
NSKL52	EDZ	DGC	DGC	FW	Y	0	C	4000	OPT	97	TMR	TZA	17.44	10.1	35	35														
NSKL53	EDZ	DGC	DGC	FW	Y	0	C	4250	OPT	97	TMR	TZH	17.54	8.9	35	35														

* For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - TAD2 - 400 /