State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-352
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: VCR20128G2FL Displacement: 3.3 Liters (201 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

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 (20^0 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 (20^0 F)
3751-5750	50,000	0.114	0.9	0.1	0.001	3.7
	100,000	0.143	1.1	0.1	0.001	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 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 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 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 10th day of July 1996.

R. E. Summerfield
Assistant Division Chief
Mobile Source Division

E.O. # A-9-352
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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: VCR20128G2FL Evap Fam: VCR1098AYP1A
All Eng Codes in Eng Fam: CA X 49S ____ 50S ____ AB965 ____
Std: CA Tier-1 ____ TLEV X LEV ____ ULEV ____ ZEV ____; US EPA Tier-1 X
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 CCR 2282 ____ or 40 CFR 86.113-90 ____ or 40 CFR 86.113-94 ____
Service Accum: Std AMA ____ Mod AMA ____ Mfr ADP X Other (Specify) ____
NMOG Test Procedure: N/A ____ Std ____ Equiv X R/L Test Proce: SHED ____ Pt Source X
Hybrid: Type A ____ B ____ C ____, APU Cycle (e.g., Otto, Diesel, Turbine) Otto
Engine Configuration: V-6 Displacement: / 3.3 Liters / 201 Cubic Inches
Valves per Cylinder: 2 Rated HP: 158 @ 4850 RPM
Engine: Front X Mid ____ Rear ____ Drive: FWD X RWD ____ 4WD-FT ____ 4WD-PT ____
Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, TWC, SFI, HO2S(2), ~~OBD II~~
(use abbreviations per SAE J1930 SEP91)

Engine Code (also list A/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)	NSYP53	A4	4500		04727187AA	04287189	04682888
	NSKP53		4250A	SEE			
	NSHH52		4250				
	NSHH53			ATTACHMENT			
	NSHL53						
	NSKH52						
	NSKH53						
	NSKL53						
	NSKP52						
	NSYP52						
	NSHL52		4000A				
	NSKL52						

Date Issued:

Revisions: ____

sds

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: VCR2D128G2FL
Evaporative Fam: VCR1098AYP1A

Certificate #:

Model ID	Car Line	California Sales
NSKL52	Caravan 2WD	YES
NSKP52	Caravan LE 2WD	YES
NSKH52	Caravan SE 2WD	YES
NSKL53	Grand Caravan LE 2WD	YES
NSKP53	Grand Caravan LE 2WD	YES
NSKH53	Grand Caravan SE 2WD	YES
NSHL53	Grand Voyager 2WD	YES
NSHH53	Grand Voyager SE 2WD	YES
NSYP53	Town & Country LX 2WD	YES
NSYP52	Town & Country SX 2WD	YES
NSHL52	Voyager 2WD	YES
NSHH52	Voyager SE 2WD	YES

Model Codes
NS K P 53

- 53 — Body Style
  - 12=113" wb Van
  - 13=119" wb Van
  - 52=113" wb Wagon
  - 53=119" wb Wagon
- P — Price Class
  - H=High Line
  - P=Premium
  - L=Low Line
- K — Model
  - K=Dodge D=Dodge AWD
  - H=Plymouth P=Plymouth AWD
  - Y=Chrysler C=Chrysler AWD
- NS — Body Code
  - NS=Minivan

Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A/C	GVW	MKT TYPE	LVW	TIRE DESCRIPTION USE	YR	COD	MFG	OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	COLD CO ELECTRIC DYNO COEFFICIENTS TARGET A	B	C	SET A	B	C	ADJUSTED LOADED VEHICLE WGT ALVW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
																(LINE 1 IS 20 DEG COEFFS,LINE 2 IS 50 DEG WHEN NEEDED)										
NSHH52	EGA	DGL	FW Y	O	C	4250	STD	97	TMR	TZH		16.64	8.9	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
NSHH53	EGA	DGL	FW Y	O	C	4250	STD	97	TMR	TZH		16.64	8.9	35	35											
							OPT	97	TM3	TZA		16.64	9.3	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
NSHL52	EGA	DGL	FW Y	O	C	4250	STD	97	TLP	TZA		16.56	10.1	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
							OPT	97	TMR	TZH		16.64	8.9	35	35											
NSHL53	EGA	DGL	FW Y	O	C	4250	STD	97	TLP	TZA		16.56	10.1	35	35											
							OPT	97	TM3	TZA		16.64	9.3	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
							OPT	97	TMR	TZH		16.64	8.9	35	35											
NSKH52	EGA	DGL	FW Y	O	C	4250	STD	97	TMR	TZH		16.64	8.9	35	35											
							OPT	97	TM5	TZH		16.13	9.1	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
NSKH53	EGA	DGL	FW Y	O	C	4250	STD	97	TMR	TZH		16.64	8.9	35	35											
							OPT	97	TM3	TZA		16.64	9.3	35	35											
							OPT	97	TM5	TZH		16.13	9.1	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
NSKL52	EGA	DGL	FW Y	O	C	4250	STD	97	TLP	TZA		16.56	10.1	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
							OPT	97	TMR	TZH		16.64	8.9	35	35											
NSKL53	EGA	DGL	FW Y	O	C	4250	STD	97	TLP	TZA		16.56	10.1	35	35											
							OPT	97	TM3	TZA		16.64	9.3	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
							OPT	97	TMR	TZH		16.64	8.9	35	35											
NSKP52	EGA	DGL	FW Y	O	C	4250	STD	97	TMR	TZH		16.64	8.9	35	35											
							OPT	97	TM5	TZH		16.13	9.1	35	35											
							OPT	97	TMR	TZA		16.56	10.1	35	35											
NSKP53	EGA	DGL	FW Y	O	C	4500	STD	97	TMR	TZH		17.35	8.9	35	35											
							OPT	97	TM5	TZH		16.82	9.0	35	35											
							OPT	97	TMR	TZA		17.27	10.1	35	35											
NSYP52	EGA	DGL	FW Y	O	C	4250	STD	97	TM5	TZH		16.13	9.1	35	35											
							OPT	97	TMR	TZH		16.13	9.1	35	35											
NSYP53	EGA	DGL	FW Y	O	C	4500	STD	97	TMR	TZH		17.35	8.9	35	35											
							OPT	97	TM5	TZH		16.82	9.0	35	35											
							OPT	97	TMR	TZA		17.27	10.1	35	35											

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

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Report Date: 06/07/96
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