State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-452
Relating to Certification of New Motor Vehicles

DAIMLERCHRYSLER 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 2000 model-year DaimlerChrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: YCRXT0148230 Displacement: 2.4 Liters (148 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

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

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.100	4.4	0.4	0.018	12.5
	100,000	0.130	5.5	0.5	0.023	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for NMOG reflect application of a 0.94 RAF for 2000 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.073	1.2	0.1	0.002	5.0
	100,000	0.090	1.4	0.1	0.002	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 and Smog Index 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 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.

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.).

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 15th day of July 1999.

R. B. Summerfield, Chief
Mobile Source Operations Division

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2000 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: DaimlerChrysler Corp. Exh Eng Fam: YCRXT0148230 Evap Fam: YCRXE0101G2A

All Eng Codes in Eng Fam: CA X 49S X$ 50S ____ AB965 ____ ORVR: YES ____ NO X

xh Std: CA Tier-1 ____ TLEV ____ LEV X ____ ULEV ____ SULEV ____; US EPA Tier-1 ____ NLEV X$

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 ____ CBG X CNG ____ LPG ____ M85 ____ Other(specify) ____

Diesel: 13 CCR 2282 ____ or 40 CFR 86.113-90 ____ or 40 CFR 86.113-94 ____

Evaporative Emission Test Procedure: California ____ Federal X

Service Accum: Std AMA ____ Mod AMA X Mfr ADP ____ Other (Specify) ____

NMOG Test Procedure: N/A ____ Std ____ Equiv X R/L Test Proce: SHED ____ Pt Source X

Engine Configuration: I-4 Displacement: / 2.4 Liters / 148 Cubic Inches

Valves per Cylinder: 4 Rated HP: 150 @ 5200 RPM

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

Exhaust ECS (eg., EGR, MFI, TC, CAC): HO2S(2), SFI, TWC, , EGR

(use abbreviations per SAE J1930 JUN93)

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.
NA-100 (CA, 49S) (49S=NLEV)	NSHL52 NSKL52	A3	4000	SEE ATTACHMENT	04727275AA	04287820AA 04287820AC	04809222AA

Date Issued: 3/18/99

Revisions: 5-20-99

TA02-SDS/2000

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE DESCRIPTION USE	YR	COD	MFG	OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	LOADED VEHICLE WEIGHT: TARGET (LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)	COLD CO ELECTRIC DYNO COEFFICIENTS: A	B	C	SET A	B	C	ADJUSTED LOADED VEHICLE WGT: ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
NSHL52	EDZ	DGC	FW Y 0		C	4000	STD	00	TLP	TZA		16.14	9.8	35	35	45.55			0.02946								
																41.41			0.02678								
							OPT	00	TM3	TZA		17.01	9.7	35	35	31.68			0.03246								
																28.80			0.02951								
							OPT	00	TM5	TZH		16.28	10.0	35	35	33.08			0.03397								
																30.07			0.03088								
							OPT	00	TMR	TZA		16.96	9.9	35	35	31.23			0.03264								
																28.39			0.02967								
NSKL52	EDZ	DGC	FW Y 0		C	4000	STD	00	TLP	TZA		16.14	9.8	35	35	45.55			0.02946								
																41.41			0.02678								
							OPT	00	TM3	TZA		17.01	9.7	35	35	31.68			0.03246								
																28.80			0.02951								
							OPT	00	TM5	TZH		16.28	10.0	35	35	33.08			0.03397								
																30.07			0.03088								
							OPT	00	TMR	TZA		16.96	9.9	35	35	31.23			0.03264								
																28.39			0.02967								

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

Report Date: 11/20/98
Time: 15:24:15

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: YCRXT0148230
Evaporative Fam: YCRXE0101G2A

Certificate #:

Model ID	Car Line	California Sales
NSKL52	Caravan 2WD	YES
NSHL52	Voyager 2WD	YES

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