State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-455
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: YCRXT0232230 Displacement: 3.8 Liters (232 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	0.080	0.6	0.2	0.002	6.5
	100,000	0.100	0.7	0.2	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 23rd day of June 1999.

John Kowalski for
R. B. Summerfield, Chief
Mobile Source Operations Division

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

E.O.# A-9-455
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Manufacturer: DaimlerChrysler Corp Exh Eng Fam: YCRXT0232230 Evap Fam: YCRXE0101G2A
All Eng Codes in Eng Fam: CA X 49S X 50S ___ AB965 ___ ORVR: YES ___ NO X
Exh 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 ___ E85 ___ Other(specify) ___
Emis Test Fuel(s): Indo ___ CBG X CNG ___ LPG ___ M85 ___ E85 ___ Other(specify) ___
Diesel: 13 CCR 2282 ___ 40 CFR 86.113-90 ___ 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 Proc: SHED ___ Pt Source X
Engine Configuration: V-6 Displacement 3.8 Liters 232 Cubic Inches
Valves per Cylinder: 2 Rated Horsepower: 162 @ 4400 RPM
Engine: Front X Rear ___ Drive: FWD X RWD ___ 4WD-FT ___ 4WD-PT ___
Exhaust ECS (eg. EGR, MFI, TC, CAC): EGR,HO2S(2),SFI,TWC,
(use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. Typ M5 A4	ETW Or TestWt	DPA Or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
NA-100 (CA,49S)	NSHH52,NSKH52 NSKP52,NSYP52	A4	4250	S E	04727283AA	047287189 047287189AB	04809049AB
	NSHH53,NSKH53 NSKP53,NSKX53 NSYP53,NSYS53		4500	E			
NA-200 (CA,49S) W/ Autostick	NSKX53		4500	ATTACHMENT			

Date Issued: 04/30/99

Revisions: 5/20/99

007D03.DOC

2000
YCRXT0232230

Chrysler Corporation
Family Tire Usage

ATTACHMENT TO SDS PAGE 1 of 3
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MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE DESCRIPTION USE	YR	COD	MFG	OPT	LOADED VEHICLE WEIGHT: COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	COLD CO ELECTRIC DYNO COEFFICIENTS: TARGET A (LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)	B	C	SET A	B	C	ADJUSTED LOADED VEHICLE WGT: ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
NSHH52	EGH	DGL	FW Y 0		C	4250	STD	00	TMR	TZA		17.44	10.2	35	35	35.78		0.03264								
																32.53		0.02967								
							OPT	00	TM3	TZA		17.39	10.0	35	35	36.26		0.03246								
																32.96		0.02951								
							OPT	00	TM5	TZH		16.67	10.2	35	35	37.71		0.03397								
																34.28		0.03088								
NSHH53	EGH	DGL	FW Y 0		C	4500	STD	00	TMR	TZA		18.08	10.1	35	35	37.81		0.03264								
																34.37		0.02967								
							OPT	00	TM3	TZA		18.12	9.9	35	35	38.30		0.03246								
																34.82		0.02951								
							OPT	00	TM5	TZH		17.36	10.2	35	35	39.83		0.03397								
																36.21		0.03088								
NSKH52	EGH	DGL	FW Y 0		C	4250	STD	00	TMR	TZA		17.44	10.2	35	35	35.78		0.03264								
																32.53		0.02967								
							OPT	00	TM3	TZA		17.39	10.0	35	35	36.26		0.03246								
																32.96		0.02951								
							OPT	00	TM5	TZH		16.67	10.2	35	35	37.71		0.03397								
																34.28		0.03088								
NSKH53	EGH	DGL	FW Y 0		C	4500	STD	00	TMR	TZA		18.08	10.1	35	35	37.81		0.03264								
																34.37		0.02967								
							OPT	00	TM3	TZA		18.12	9.9	35	35	38.30		0.03246								
																34.82		0.02951								
							OPT	00	TM5	TZH		17.36	10.2	35	35	39.83		0.03397								
																36.21		0.03088								
NSKP52	EGH	DGL	FW Y 0		C	4250	STD	00	TMR	TZA		17.44	10.2	35	35	35.78		0.03264								
																32.53		0.02967								
							OPT	00	TM5	TZH		16.67	10.2	35	35	37.71		0.03397								
																34.28		0.03088								
NSKP53	EGH	DGL	FW Y 0		C	4500	STD	00	TMR	TZA		18.08	10.1	35	35	37.81		0.03264								
																34.37		0.02967								
							OPT	00	TM5	TZH		17.36	10.2	35	35	39.83		0.03397								
																36.21		0.03088								
NSKX53	EGH	DGL	FW Y 0		C	4500	STD	00	TTG	TZH		17.30	10.2	35	35	38.69		0.03464								
																35.17		0.03149								
							OPT	00	TM5	TZH		17.36	10.2	35	35	39.83		0.03397								
																36.21		0.03088								
NSKX53	EGH	DHD	FW Y 0		C	4500	STD	00	TTG	TZH		17.30	10.2	35	35	38.69		0.03464								
																35.17		0.03149								
							OPT	00	TM5	TZH		17.36	10.2	35	35	39.83		0.03397								
																36.21		0.03088								
NSYP52	EGH	DGL	FW Y 0		C	4250	STD	00	TM5	TZH		16.67	10.2	35	35	37.71		0.03397								
																34.28		0.03088								
NSYP53	EGH	DGL	FW Y 0		C	4500	STD	00	TM5	TZH		17.36	10.2	35	35	39.83		0.03397								
																36.21		0.03088								

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - TD03 - 400 /

Report Date: 04/30/99
Time: 09:12:46

2000
YCRXT0232230

Chrysler Corporation
Family Tire Usage

ATTACHMENT TO SDS PAGE 2 of 3
OF EXECUTIVE ORDER A-9-455

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	TARGET A (LINE 1 IS 20 DEG COEFFS,LINE 2 IS 50 DEG WHEN NEEDED)	B	C	SET A	B	C	ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
												LOADED VEHICLE WEIGHT				COLD CO ELECTRIC DYNO COEFFICIENTS						ADJUSTED LOADED VEHICLE WGT				
NSYS53	EGH	DGL	FW Y	0	C	4500	STD	00	TM5	TZH		17.36	10.2	35	35	39.83		0.03397								
																36.21		0.03088								

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - TD03 - 401 /

Report Date: 04/30/99
Time: 09:12:46

Chrysler Corporation
FAMILY TIRE DESCRIPTION

TIRE DESCRIPTION YR	COD	MFG	OPT	NAME	SIZE	RPM	CONSTRUCTION COD	TREAD MATERIAL	PLY	SW	SIDEWALL MATERIAL	PLY	OVERLAY MATERIAL	PLY	TREAD DEPTH (IN.) X 1/32
00	TM3	TZA		CONQUEST	P215/70R15	780	SBR	2-Steel/2-Polyester	4	BSB	Polyester	2	Nylon	1	10
00	TM5	TZH		MX4	215/65R16	778	SBR	2-Steel/1-Polyester	3	BSB	Polyester	1	Nylon	2	08
00	TMR	TZA		CONQUEST	P215/65R15	801	SBR	2-Steel/2-Polyester	4	BSB	Polyester	2	Nylon	1	10
00	TTG	TZH		MX4 A/ST	P215/60R17	770	SBR	2-Steel/1-Polyester	3	BSW	Polyester	1	None	0	10

Report Date: 04/30/99
Time: 09:12:46

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: YCRXT0232230
Evaporative Fam: YCRXE0101G2A

Certificate #:

Model ID	Car Line	California Sales
NSKP52	Caravan LE 2WD	YES
NSKH52	Caravan SE 2WD	YES
NSKX53	Grand Caravan ES 2WD	YES
NSKP53	Grand Caravan LE 2WD	YES
NSKH53	Grand Caravan SE 2WD	YES
NSHH53	Grand Voyager SE (2WD)	YES
NSYP53	Town & Country LX 2WD	YES
NSYS53	Town & Country Limited 2WD	YES
NSYP52	Town & Country SX 2WD	YES
NSHH52	Voyager SE 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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Report Date: 04/30/99