

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."

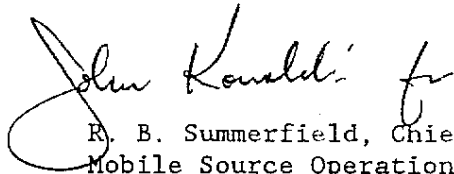
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned 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 23<sup>rd</sup> day of June 1999.



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  
Page 1 of 1

Manufacturer: DaimlerChrysler Corp Exh Eng Fam: YCRXT0232230 Evap Fam: YCRXE0101G2A  
 Ali Eng Codes in Eng Fam: CA  49S  50S  AB965  ORVR: YES  NO   
 Exh Std: CA Tier-1  TLEV  LEV  ULEV  SULEV  US: EPA Tier-1  NLEV   
 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  E85  Other(specify) \_\_\_\_\_  
 Emis Test Fuel(s): Indo  CBG  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   
 Service Accum: Std AMA  Mod AMA  Mir ADP  Other(specify) \_\_\_\_\_  
 NMOG Test Procedure: N/A  Std  Equiv  R/L Test Proc: SHED  Pr Source   
 Engine Configuration: V-6 Displacement 3.8 Liters 232 Cubic Inches  
 Valves per Cylinder: 2 Rated Horsepower: 162 @ 4400 RPM  
 Engine: Front  Rear  Drive: FWD  RWD  4WD-FT  4WD-PT   
 Exhaust ECS (eg. EGR, MFI, TC, CAC): EGR,H02S(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)	NSKH52,NSKH52 NSKP52,NSYP52	A4	4230	S E	04727283AA	047287189 047287189AB	04809049AB
	NSHH53,NSKH53 NSKP53,NSKX53 NSYP53,NSYS53		4500	E			
NA-200 (CA,49S) W/ Autostick	NSKX53		4500	A T T A C H M E N T			

Date Issued: 04/30/99

Revisions: 5/20/99

007083.DOC

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LWM	TIRE	DESCRIPTION	COAST	DOWN	*DYNO	TIRE	TARGET	COLD	ELECTRIC	DYNO	COEFFICIENTS	SET	ALW	DOWN	*DYNO	TIRE	
NSRH52	EGH	DGL	FW	Y	0	C	4250	STD	00	TM3	TZA	17.44	10.2	35	35	35.78	0.03264	ETW	TIME	HP	F	R
NSRH52	EGH	DGL	FW	Y	0	C	4250	STD	00	TM3	TZA	17.44	10.2	35	35	35.78	0.03264	ALW	DOWN	*DYNO	TIRE	
								OPT	00	TM3	TZA	32.53				32.53	0.02967					
								OPT	00	TM5	TZH	36.26				36.26	0.03246					
								OPT	00	TM5	TZH	32.96				32.96	0.02951					
NSRH53	EGH	DGL	FW	Y	0	C	4500	STD	00	TM3	TZA	16.67	10.2	35	35	37.71	0.03397					
								OPT	00	TM3	TZA	34.28				34.28	0.03088					
								OPT	00	TM5	TZH	37.81				37.81	0.03264					
								OPT	00	TM5	TZH	34.37				34.37	0.02967					
NSKH52	EGH	DGL	FW	Y	0	C	4250	STD	00	TM3	TZA	18.08	10.1	35	35	38.30	0.03246					
								OPT	00	TM3	TZA	34.82				34.82	0.02951					
								OPT	00	TM5	TZH	39.83				39.83	0.03397					
								OPT	00	TM5	TZH	36.21				36.21	0.03088					
NSKH53	EGH	DGL	FW	Y	0	C	4500	STD	00	TM3	TZA	17.44	10.2	35	35	35.78	0.03264					
								OPT	00	TM3	TZA	32.96				32.96	0.02951					
								OPT	00	TM5	TZH	37.71				37.71	0.03397					
								OPT	00	TM5	TZH	34.28				34.28	0.03088					
NSKP52	EGH	DGL	FW	Y	0	C	4250	STD	00	TM3	TZA	18.12	9.9	35	35	38.30	0.03246					
								OPT	00	TM3	TZA	34.82				34.82	0.02951					
								OPT	00	TM5	TZH	39.83				39.83	0.03397					
								OPT	00	TM5	TZH	36.21				36.21	0.03088					
NSKP53	EGH	DGL	FW	Y	0	C	4500	STD	00	TM3	TZA	17.36	10.2	35	35	37.81	0.03264					
								OPT	00	TM3	TZA	34.37				34.37	0.02967					
								OPT	00	TM5	TZH	39.83				39.83	0.03397					
								OPT	00	TM5	TZH	36.21				36.21	0.03088					
NSKX53	EGH	DGL	FW	Y	0	C	4250	STD	00	TM3	TZA	17.44	10.2	35	35	35.78	0.03264					
								OPT	00	TM3	TZA	32.53				32.53	0.02967					
								OPT	00	TM5	TZH	37.71				37.71	0.03397					
								OPT	00	TM5	TZH	34.28				34.28	0.03088					
NSKX53	EGH	DGL	FW	Y	0	C	4500	STD	00	TM3	TZA	18.08	10.1	35	35	37.81	0.03264					
								OPT	00	TM3	TZA	34.37				34.37	0.02967					
								OPT	00	TM5	TZH	39.83				39.83	0.03397					
								OPT	00	TM5	TZH	36.21				36.21	0.03088					
NSYP52	EGH	DGL	FW	Y	0	C	4250	STD	00	TM3	TZA	17.36	10.2	35	35	39.83	0.03397					
								OPT	00	TM3	TZA	36.21				36.21	0.03088					
								OPT	00	TM5	TZH	38.69				38.69	0.03464					
								OPT	00	TM5	TZH	35.17				35.17	0.03149					
NSYP53	EGH	DGL	FW	Y	0	C	4500	STD	00	TM3	TZA	17.36	10.2	35	35	39.83	0.03397					
								OPT	00	TM3	TZA	36.21				36.21	0.03088					
								OPT	00	TM5	TZH	38.69				38.69	0.03464					
								OPT	00	TM5	TZH	35.17				35.17	0.03149					

\* - For DYNO HP = 0.00  
Ref To FRONTAL AREA

2000  
YCRX10232230

Chrysler Corporation  
Family Tire Usage

ATTACHMENT TO SDS PAGE 2 of 3  
OF EXECUTIVE ORDER A-9-455  
ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LWH	TIRE	DESCRIPTION	COAST	DOWN	*DYNO	TIRE	TARGET	COLD	CO	ELECTRIC	DYNO	COEFFICIENTS	SET	A	B	C	ALVH	DOWN	*DYNO	HP	F	R	ETW	TIME	HP	F	R
NSYS53	EGH	DGL	FM	Y	0	C	4500	STD	00	TM5	YZH	17.36	10.2	35	35	39.83	0.03397	0.03088														
												36.21																				

\* - For DYNO HP = 0.00  
Ref To FRONTAL AREA

/ 10. - TD03 - 401 /

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

2000  
YCRXT0232230

Chrysler Corporation  
FAMILY TIRE DESCRIPTION

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

TIRE DESCRIPTION		SIZE	CONSTRUCTION		P L	Y SW	SIDENALL MATERIAL	P L OVERLAY Y MATERIAL	P L X Y 1/32	TREAD DEPTH (IN.)
YR COD	MFG OPT NAME		RPM	COD TREAD MATERIAL						
00	TH3 TZA	CONQUEST								
		P215/70R15	780	SBR 2-Steel/2-Polyester	4	BSB	Polyester	2	Nylon	1 10
00	TH5 TZH	MX4	778	SBR 2-Steel/1-Polyester	3	BSB	Polyester	1	Nylon	2 08
00	THR TZA	CONQUEST	801	SBR 2-Steel/2-Polyester	4	BSB	Polyester	2	Nylon	1 10
00	TTG TZH	MX4 A/ST	770	SBR 2-Steel/1-Polyester	3	BSW	Polyester	1	None	0 10

-----  
/ 10. - TD03 - 402 /  
-----

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
NSHN53	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

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