

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-414  
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 1999 model-year Chrysler 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: XCRXT0232230 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 1999 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	0.095	0.6	0.2	0.001	5.8
	100,000	0.119	0.7	0.3	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 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."

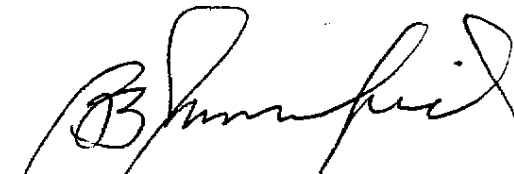
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned 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 2nd day of July 1998.

A handwritten signature in black ink, appearing to read "R. B. Summerfield", is written over the printed name and title.

R. B. Summerfield, Chief  
Mobile Source Operations Division

E.O. # A-9-414  
Page 1 of 1

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)W/O AUTOSTK	NSKP52, NSYP52	A4	4250	S E E	04727248AA	04287189	04809049AB
	NSKP53, NSKX53 NSYP53, NSYS53		4500				
CA-200 (CA) W/AUTOSTK	NSKP52		4250	A T T A C H M E N T			
	NSKP53, NSKX53		4500				

Revisions: \_\_\_\_\_

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: XCRXT0232230  
Evaporative Fam: XCRXE0101G2A

Certificate #:

Model ID	Car Line	California Sales
MSKP52	Caravan LE 2WD	YES
MSKP53	Grand Caravan LE 2WD	YES
MSYP53	Town & Country 2WD	YES
MSYP52	Town & Country LX 2WD	YES
MSYS53	Town & Country Limited 2WD	YES
NSKX53	Grand Caravan 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  
H=Plymouth  
Y=Chrysler  
D=Dodge AWD  
P=Plymouth AWD  
C=Chrysler AWD

Body Code  
NS=Minivan

1999  
XCRXT0232230

Chrysler Corpor.  
Family Tire Usage

ATTACHMENT TO SDS PA  
OF EXECUTIVE ORDER A.

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL		ENG	TRANS	A	MKT	LW	TIRE	DESCRIPTION	COAST		TIRE		COLD CO		ELECTRIC DYNO COEFFICIENTS		ALVM		COAST		TIRE	
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	17.74	9.4	35	35	TARGET A	B	C	ETW	DOWN	TIME	HP	DYNO	PRES
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.59	9.0	35	35	39.50								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	17.74	9.4	35	35	48.61								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.10	9.3	35	35	47.91								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	17.74	9.4	35	35	39.50								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.59	9.0	35	35	48.61								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.10	9.3	35	35	47.91								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	17.16	9.3	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	17.16	9.3	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	16.67	9.6	35	35	41.99								
ENG	DGL	FV	Y	O	C	4250	STD 99	TMR	TZA	18.41	9.6	35	35	51.68								
ENG	DGL	FV	Y	O	C	4250	OPT 99	TMS	TZH	17.16	9.3	35	35	50.93								
ENG	DGL	FV	Y																			