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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		NOx	НСНО	<u>CO (20°F)</u>
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		NOx	<u>HCHO</u>	<u>CO (20°F)</u>
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, Galifornia 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 _____ day of July 1998.

R^I. B. Sammerfield, Chief Mobile Source Operations Division

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1999 MUDEL PASSENGEF	_ YEAR AIR RESOU CARS, LIGHT-DU	rces board s Ty trucks an	UPPLEMENT. D MEDIUM-I	AL DATA DUTY VE	SHEET HICLES	Pa	ge <u>1</u> of <u>1</u>
<pre>' 5ng Codes i Exn Std: CA Tie Class(es): PC_ Single Cert Sto Fuel Type(s): E</pre>	Chrvsler Corpora n Eng Fam: CA_X er-1 TLEV LDT1 L l for Multi-Class Dedicated_X Fla CNG LNG s): Indo CBC Diesel: 13	49S U _LEV_X U _DT2_X MD s Eng Fam:_N ex-Fue1 N LPG N	50S LEV MI /1 MI /A (Sp Dual-Fuel_ 185 LPG	_ AB965 SULEV_ DV2 Decify: Bi Other _ M85	OR ; US E MDV3 N/A. LDT1. -Level((specify) Other(specify)	VR: YES PA Tier-1 MDV4 N MDV1. MDV2 Gasoline_X_ ecify)	NO <u>X</u> Veh MDV5 MDV3, MDV4) Diesel
	ssion Test Proce	edure: Calii	fornia	Fede	eral <u>X</u>	_	
	Std AMA						
	dure: N/AS						
	ation: <u>V-6</u> Dis					_	
Valves per Cyli	nder: <u>2</u>	Rate	ed HP:	1(<u>62 @</u>	4400	
Constant Constant V							
Engine: Front <u>A</u>	Mid Rear	`	Drive: FW	10 <u>X</u> F	RWD 4WE)-FT 4W	ID-PT
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		CAC): <u>EGR.</u>	HO2S(2). e abbrevi	SFI. TV	VC. OBDII		
Exhaust ECS (eg Engine Code (also list CA/49ST/50ST) CA-100	., EGR, MFI, TC, Vehicle Models (if coded see	CAC): <u>EGR.</u> (us Trans. Type M5	HO2S(2) e abbrevi ETW or	SFI. TW ations DPA or	VC. OBDII per SAE J19 Ignition (ECM/PCM)	BOD JUN93) EGR System	Catalyst Converter
Exhaust ECS (eg Engine Code (also list CA/49ST/50ST)	., EGR, MFI, TC, Vehicle Models (if coded see attachment)	CAC): <u>EGR.</u> (us Trans.Type M5 A4	HO2S(2), e abbrevi ETW or Test Wt.	SFI. Tw ations DPA or RLHP	VC. OBDII per SAE J19 Ignition (ECM/PCM) Part No.	EGR EGR System Part No.	Catalyst Converter Part No.
Exhaust ECS (eg Engine Code (also list CA/49ST/50ST) CA-100	., EGR, MFI, TC, Vehicle Models (if coded see attachment) NSKP52,NSYP52 NSKP53,NSKX53 NSYP53,NSYS53 NSKP52	CAC): <u>EGR.</u> (us Trans.Type M5 A4	HO2S(2), e abbrevi ETW or Test Wt. 4250 4500	SFI. TV ations DPA or RLHP S E	VC. OBDII per SAE J19 Ignition (ECM/PCM) Part No.	EGR EGR System Part No.	Catalyst Converter Part No.
Exhaust ECS (eg Engine Code (also list CA/49ST/50ST) CA-100 (CA)W/O AUTOSTK CA-200	., EGR, MFI, TC, Vehicle Models (if coded see attachment) NSKP52,NSYP52 NSKP53,NSKX53 NSYP53,NSYS53	CAC): <u>EGR.</u> (us Trans.Type M5 A4	HO2S(2) e abbrevi ETW or Test Wt. 4250 4500	SFI. Tw ations DPA or RLHP S E E A	VC. OBDII per SAE J19 Ignition (ECM/PCM) Part No.	EGR EGR System Part No.	Catalyst Converter Part No.
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u issued: 05/15/98 Revisions: _____ TOD6-SD5/99

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MODELS COVERED BY CERTIFICATE

ATTACHMENT TO SDS PAGE 1 OF EXECUTIVE ORDER A-9-414

Vehicle MFR: CHRYSLER

Engine Family: XCRXT0232230 Evaporative Fam: XCRXE0101G2A

Certificate #:

California ******* Sales

YES YES YES Yes Yes Town & Country 2WD Town & Country LX 2WD Town & Country Limited 2WD Grand Caravan LE 2WD Grand Caravan 2WD Caravan LE 2WD ----Car Line

> Wodel ID

NSKP52 **NSKP53** NSYP53

NSYP52 NSYS53

NSKX53

YES

D=Dodge AWD P=Plymouth AWD C=Chrysler AWD 12=113+ vb Van 13=119+ vb Van 52=113+ vb Wagon 53=119+ vb Wagon K=Dadge H=Plymouth Y=Chrysler H=High Line P=Premium Price Class NS≓Minivan L=Low Line Body Style Body Code Mode (.......... 4 **Model Codes** <u>5</u> NS

1999 XCRXT0232230					Chryster Family	Chrysler Corpor, Family Tire Us _{ag} e		ATTACHMENT TO SDS PA OF EXECUTIVE ORDER A
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HUNEL ENG FRANS C GVU TYPE	(PE ETU	U USE YR COD MFG OPT	TIME	đĦ	æ	LINE 1 IS 20 DEG	S,LINE 2 IS 50 DEG WHEN NE	ETM TIME HP F R
NSKP52 EGH DGL FN Y D C	: 4250	STD 99 THR		9.4	35 35	39.50		
		. SN1 66		0.0	35	48.61	0.03030	
		0PT 99 1YG	16.10 9	_	35	47.91	0.03229	
Nakyaz egh dho FW Y 0 C	. 4250	STD 99 TWR			35 35	39.50	0.03060	
		SNI 66		_		48.61	0.03038	
4		061 30				47.91	0.03229	
WANTOO FUT UGL FUT U				_		41.99	0.03060	
		66 INS				51.68	0.03038	
4		0PT 99 TTG				50.93	0.03229	
D I HI ANA HAR FOR A COMMON	4500	STD 99 THR			ñ	41.99	0.03060	
		99 THS			35	51.68	0.03038	
		0PT 99 TTG			ŝ	50.93	0.03229	
D A MALAN EUM DUL FUL Y U C	10054	STD 99 IMR		9.6	ŝ	41.99	0.03060	
		99 THS			ŝ	51.68	0.03038	
~		0PT 99 TTG		9-6	35	50.93	0.03229	
D A MA MAR MADE COVVEN	4500	STD 99 THR			35	41.99	0.03060	
		51 66 51 66				51.68	0.03038	
					35	50.93	0.03229	
		CHI 66 01S			ñ	48.61	0.03038	
Ear Put Fig. 1	4500	STD 99 THR				41.99	0.03060	
		SHI 66 140		9.3	5	51.68	0.03038	
	0044	SNI 66 DIS			£	51.68	0.03038	
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Report Date: 02/24/98 Time: 08:28:39

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* - For DYNG HP = 0.00 Ref To Frontal Area