

71.00

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-384  
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 1998 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: WCRXT02.42B0 Displacement: 2.4 Liters (148 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Heated Oxygen Sensors (two)
- Three Way Catalytic Converter
- Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

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

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.09	1.8	0.2	7.3
	100,000	0.12	2.6	0.22	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 non-methane organic gas (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 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.).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 18<sup>th</sup> day of July 1997.

*Raphael S. Sarnowitz*

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

1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: WCRXT02.42B0 Evap Fam: WCRXE0101G2A  
 All Eng Codes in Eng Fam: CA X 49S X 50S        AB965        ORVR: YES        NO X  
 Exh Std: CA Tier-1 X TLEV        LEV        ULEV        SULEV       ; US EPA Tier-1 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 X Std        Equiv        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): H02S(2), SFI, TWC, OBDII  
 (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.
CA-100 (CA)	NSHH52 NSKH52	A4	4000	S E E	04727251AC	-----	04682995AC 04682996AC
CA-200	NSHH53 NSKH53		4250	A T T A C H M E N T			
	NSHL52 NSKL52	A3	4000				
	NSKL53 NSHL53		4250				

Date Issued: 07/02/97

Revisions: 7/10/97

TA01-SCS/98

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG TRANS	A	MKT	LWV	TIRE DESCRIPTION	COAST DOWN TIME	*DYNO HP	TIRE PRES			TARGET A (LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)	COLD CO ELECTRIC DYNO COEFFICIENTS			ALVM ETW	COAST DOWN TIME	TIRE PRES		
								USE YR	COD	MFG		OPT	F	R			F	R	SET A
NSHH52	EDZ DGL	FW Y 0	C	4000	STD 98 TMR TZA	16.21	9.5	35	35	35									
					OPT 98 TM3 TZA	16.15	9.3	35	35										
NSHH52	EDZ DGL	FW Y 0	F	4000	STD 98 TMR TZA	16.60	9.0	35	35										
					OPT 98 TMR TZA	16.21	9.5	35	35										
NSHH53	EDZ DGL	FW Y 0	C	4250	STD 98 TMR TZA	17.08	9.6	35	35										
					OPT 98 TMR TZA	16.60	9.0	35	35										
NSHH53	EDZ DGL	FW Y 0	F	4250	STD 98 TMR TZA	17.48	9.1	35	35										
					OPT 98 TMR TZA	17.00	9.4	35	35										
NSHL52	EDZ DGC	FW Y 0	C	4000	STD 98 TMR TZA	17.48	9.1	35	35										
					OPT 98 TMR TZA	16.65	9.5	35	35										
NSHL52	EDZ DGC	FW Y 0	F	4000	STD 98 TMR TZA	16.64	9.1	35	35										
					OPT 98 TMR TZA	16.79	9.5	35	35										
NSHL53	EDZ DGC	FW Y 0	C	4250	STD 98 TMR TZA	16.65	9.5	35	35										
					OPT 98 TMR TZA	16.64	9.1	35	35										
NSHL53	EDZ DGC	FW Y 0	F	4250	STD 98 TMR TZA	16.67	9.5	35	35										
					OPT 98 TMR TZA	17.54	9.6	35	35										
NSKH52	EDZ DGL	FW Y 0	C	4000	STD 98 TMR TZA	17.53	9.2	35	35										
					OPT 98 TMR TZA	17.58	9.6	35	35										
NSKH52	EDZ DGL	FW Y 0	F	4000	STD 98 TMR TZA	17.70	9.2	35	35										
					OPT 98 TMR TZA	17.54	9.6	35	35										
NSKH53	EDZ DGL	FW Y 0	C	4250	STD 98 TMR TZA	17.53	9.2	35	35										
					OPT 98 TMR TZA	17.58	9.6	35	35										
NSKH53	EDZ DGL	FW Y 0	F	4250	STD 98 TMR TZA	16.21	9.5	35	35										
					OPT 98 TMR TZA	16.15	9.3	35	35										
NSKL52	EDZ DGC	FW Y 0	C	4000	STD 98 TMR TZA	16.21	9.5	35	35										
					OPT 98 TMR TZA	16.60	9.0	35	35										

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

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVM	TIRE DESCRIPTION	TIRE USE YR	COD	MFG	OPT	COAST		*DYNO		COLD CO ELECTRIC DYNO COEFFICIENTS			COAST		TIRE											
											DOWN	TIME	HP	F	R	TARGET A	SET A	SET B	SET C	ALVM	DOWN	TIME	HP	F	R						
NSKL52	EDZ	DGC	PW	Y	0	F	4000	OPT	98	TMR	TZH	16.79	9.1	35	35	16.65	9.5	35	35	16.64	9.1	35	35	16.67	9.5	35	35	16.79	9.1	35	35
NSKL53	EDZ	DGC	PW	Y	0	C	4250	STD	98	TMR	TZA	17.54	9.6	35	35	17.53	9.2	35	35	17.53	9.2	35	35	17.58	9.6	35	35	17.54	9.6	35	35
NSKL53	EDZ	DGC	PW	Y	0	F	4250	OPT	98	TMR	TZH	17.70	9.2	35	35	17.54	9.6	35	35	17.53	9.2	35	35	17.58	9.6	35	35	17.70	9.2	35	35

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

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER      Engine Family: WCRXT02-4280      Certificate #:  
Evaporative Fam: WCRXE0101G2A

Model ID	Car Line	California Sales
NSKH52	Caravan 2WD	YES
NSKL52	Caravan 2WD	YES
NSKL53	Grand Caravan LE 2WD	YES
NSKH53	Grand Caravan SE 2WD	YES
NSHL53	Voyager 2WD	YES
NSHH53	Voyager LE 2WD	YES
NSHN52	Voyager SE 2WD	YES
NSHL52	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  
S=Luxury

--- Model  
K=Dodge      D=Dodge AWD  
H=Plymouth      P=Plymouth AWD  
Y=Chrysler      C=Chrysler AWD

--- Body Code  
NS=Minivan