

File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-328
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 1996 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: TCR2.428GFEK Displacement: 2.4 Liters (148 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

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

The certification exhaust emission standards (in-use compliance standards in parentheses) 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 (0.41)	4.4 (6.7)	0.7 (0.7)	12.5 (12.5)
	100,000	0.40 (n/a)	5.5 (n/a)	0.97 (n/a)	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	0.12	2.3	0.5	6.7
	100,000	0.18	3.1	0.72	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, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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 the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 20 percent of the manufacturer's projected sales of 1996 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

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 Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

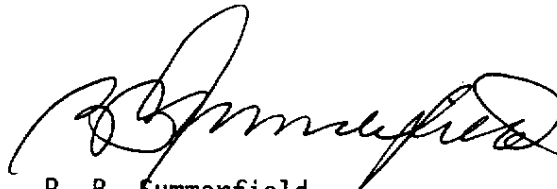
BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the 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.

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 12th day of July 1995.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1996 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O. # A-9-328
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Manufacturer: Chrysler Corporation Exh Eng Fam: TCR2.428GFEK Evap Fam: TCR1098AYPOA
 All Eng Codes in Eng Fam: CA 49S 50S X AB965
 Exh Std: CA Tier-1 X TLEV LEV ULEV ZEV ; US EPA Tier-1 X
 Evap Std: 50K X Useful Life with R/L In-Use Exh Std: Full In Use Alt In Use
 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 Ph2 X CNG LPG M85 Other(specify)
 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or 40 CFR 86.113-94
 Service Accum: Std AMA Mod AMA Mfr ADP X Other (Specify)
 NMOG Test Procedure: N/A Std Equiv X R/L Test Proce: SHED Pt Source
 Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine) Otto
 Engine Configuration: I-4 Displacement: / 2.4 Liters / 148 Cubic Inches
 Valves per Cylinder: 2 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): TWC, SFI, HO2S(2)
 (use abbreviations per SAE J1930 SEP91)

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/FA-100 (50ST)	NSHL52 NSKL52	A4	4000	S E E A T T A C H M E N T	04748142	N/A	04682995 04682996
CA-200/FA-200	NSHL52 NSHL53 NSKL52 NSKL53	A3					
CA-100/FA-100 (50ST)	NSHH53 NSKH53	A4	4250				

Date Issued: _____

Revisions: _____

1996 Chrysler Corporation
 TCR2.428FEK FAMILY TIRE USAGE

VEHICLE MODEL	ENGINE/TRANS	WEIGHT LBS TEST	WGT GW	A USE	TIRE DESCRIPTION	TRD	WFO	COASTDOWN TIME SEC	DYNO HP	TIRE F	PRES R
MSHW52	EDZ DGL FW 4000	0	Y	STD	96 TMR	TAD	TZA	16.36	8.70	35	35
MSHW53	EDZ DGL FW 4250	0	Y	STD	96 TMR	TAD	TZH	16.16	7.40	35	35
MSHL52	EDZ DDC FW 4000	0	Y	STD	96 TMR	TAD	TZA	17.10	8.70	35	35
MSHL53	EDZ DDC FW 4000	0	Y	STD	96 TLP	TAD	TZH	16.85	7.40	35	35
MSKL52	EDZ DDC FW 4000	0	Y	STD	96 TLP	TAD	TZA	15.38	8.50	35	35
MSKL53	EDZ DDC FW 4000	0	Y	STD	96 TLP	TAD	TZA	17.09	8.60	35	35
MSKH52	EDZ DGL FW 4000	0	Y	STD	96 TMR	TAD	TZA	15.38	8.50	35	35
MSKH53	EDZ DGL FW 4250	0	Y	STD	96 TMR	TAD	TZA	17.09	8.60	35	35
MSKL52	EDZ DDC FW 4000	0	Y	STD	96 TMR	TAD	TZH	16.36	8.70	35	35
MSKL53	EDZ DDC FW 4000	0	Y	STD	96 TMR	TAD	TZH	16.16	7.40	35	35
MSKL52	EDZ DDC FW 4000	0	Y	STD	96 TMR	TAD	TZA	17.10	8.70	35	35
MSKL53	EDZ DDC FW 4000	0	Y	STD	96 TLP	TAD	TZH	16.85	7.40	35	35
MSKL52	EDZ DDC FW 4000	0	Y	STD	96 TLP	TAD	TZA	15.38	8.50	35	35
MSKL53	EDZ DDC FW 4000	0	Y	STD	96 TLP	TAD	TZA	17.09	8.60	35	35
MSKL52	EDZ DDC FW 4000	0	Y	STD	96 TLP	TAD	TZA	15.38	8.50	35	35
MSKL53	EDZ DDC FW 4000	0	Y	STD	96 TMR	TAD	TZA	17.09	8.60	35	35

* - For DYNO HP = 0.00
 Ref To FRONTAL AREA

/ 10. - TA01 - 400 /

Report Date: 04/04/95
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1986
TCR2.428GFEK

Chrysler Corporation
FAMILY TIRE DESCRIPTION

ATTACHMENT TO SDS PG. 2 OF 4
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TIRE DESCRIPTION	SIZE	RPM	CONSTRUCTION	P	L	SW	SIDEWALL MATERIAL	P	L	OVERLAY	P	TREAD DEPTH
YR CDD TRD MFG NAME			COO TREAD MATERIAL	L	Y		MATERIAL	L	Y	MATERIAL	L	(IN.)
86 TLP TAD TZA CONQUEST	P205/75R14	800 SBR	2-STEEL/2-POLYESTER	4	BSW		Polyester	2	Nylon		1	10
86 TMR TAD TZA CONQUEST	P215/65R15	804 SBR	2-STEEL/2-POLYESTER	4	BSW		Polyester	2	Nylon		1	10
86 TMR TAD TZH XW4	P215/65R15	804 SBR	2-STEEL/1-POLYESTER	3	BSW		Polyester	1	Nylon		1	08

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ATTACHMENT TO SDS PG. 3 OF 4
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Certificate #:

MODELS COVERED BY CERTIFICATE

Engine Family: TCR2.428GFEK
 Evaporative Fam: TCR1098AYPOA

Vehicle MFR: CHRYSLER

Model ID	Car Line	California Sales
NSKH52	Caravan (2WD)	YES
MSKL52	Caravan (2WD)	YES
MSKH53	Grand Caravan (2WD)	YES
MSKL53	Grand Caravan (2WD)	YES
NSHH53	Grand Voyager (2WD)	YES
NSHL53	Grand Voyager (2WD)	YES
NSHH52	Voyager (2WD)	YES
NSHL52	Voyager (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
 H=Plymouth
 Y=Chrysler
 D=Dodge AWD
 P=Plymouth AWD
 C=Chrysler AWD

Body Code
 MS=Minivan

1996 MY HORIBA 48 INCH DYNAMOMETER 20F SET UP INFORMATION

CALLOUT	MODEL	ENGINE	TRANS	IWC	40% FILL CERT DAW	TIRE SIZE	CODE	NAME	TIRE PRESS	SET COEFFICIENTS		
										A LBS	B LBS/MPH	C LBS/MPH ²
TA01-2	NSHH53	2.4L	A4	4250	2205	P215/65R15	TMR	MICHELIN XW4	35	2.4400	0.4564	0.02019
TA01-6	NSHH53	2.4L	A4	4250	2205	P215/65R15	TMR	MICHELIN XW4	35	2.4400	0.4564	0.02019

ECC/123TA01

10-TA01-450

REPORT DATE:

05/22/95