

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-301  
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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1995 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Ultra-Low-Emission Vehicle (ULEV)

Fuel Type: Compressed Natural Gas (CNG)

Engine Family: SCR20128C4JA Displacement: 3.3 Liters (201 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way plus Oxidation Catalytic Converter  
Heated Oxygen Sensor  
Sequential Multiport Fuel Injection

Vehicle models, transmissions, and engine codes 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 Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
3751-5750	50,000	0.050	2.2	0.4	0.009
	100,000	0.070	2.8	0.5	0.013

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a reactivity adjustment factor (RAF) for CNG-fueled light-duty ULEVs, and the addition of the product of the methane exhaust emission value and a RAF for methane emission of CNG-fueled light-duty ULEVs.

BE IF FURTHER RESOLVED: That, as of the date of this order, the Air Resources Board has not proposed or adopted a RAF for light-duty ULEVs operated on CNG, or a methane RAF for such vehicles. Based on available data and analysis, there is a strong likelihood that the initially adopted RAF for such vehicles will be less than 1.000, and the initially adopted methane RAF for such vehicles will be less than the numerical value of the maximum incremental reactivity of methane (0.0148). With the consent of the manufacturer, which has been provided, the applicable RAF and methane RAF for the listed engine family shall be treated for all purposes relating to this certification as:

Reactivity Adjustment Factor for NMOG Mass Emission: 1.000

Reactivity Adjustment Factor for Methane Mass Emission: 0.0148

The ULEV certification exhaust emission values for this engine family in grams per mile are (Values in parentheses are actual certification values before rounding off):

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
3751-5750	50,000	0.015	0.4	0.0(0.04)	0.000(0.0002)
	100,000	0.024	0.4	0.0(0.05)	0.000(0.0002)

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 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 the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the ULEV hydrocarbon exhaust emission standard to which the listed vehicles are certified is at least twice as stringent as otherwise applicable to gasoline vehicles of the same year and class, and the listed vehicles therefore meet the definition of "low-emission motor vehicle" set forth in Health and Safety Code Section 39037.05 and 43800.

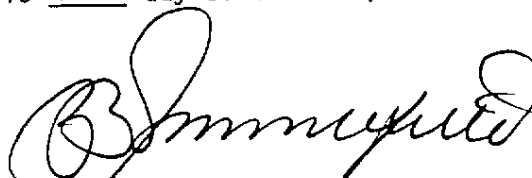
BE IT FURTHER RESOLVED: That the listed vehicle models shall be clearly labeled as "low-emission motor vehicle" as defined in Health and Safety Code Sections 39037.05 and 43800, and such labeling shall meet the requirements of Health and Safety Code Section 43802(a) at the time of sale.

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 11<sup>th</sup> day of October, 1994.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Engine Family: SCR20128C4JA  
Evap Std: 50K N.A. Useful Life with R/L        Evap Engine Family: N.A.  
Exh Std: Tier-0        Tier-1        TLEV        LEV        ULEV X ZEV       ; EPA Tier-0        Tier-1         
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)  
Exh Cert Fuel(s): Indo        Ph2        Diesel: 13 CCR 2282        or 40 CFR 86.113-90        or -94         
M85        CNG X LPG        Other (specify)         
Fuel Type(s): Dedicated X Flex-Fuel        Dual-Fuel        Gasoline        Diesel        M85         
CNG X LNG        LPG        Other (specify)         
Hybrid: Type A        B        C       , APU Cycle (e.g., Otto, Diesel, Turbine)         
Engine Configuration: V6 Displacement: 3.3 /        Liters 201 /        Cubic Inches  
Engine: Front X Mid        Rear        Drive: FWD X RWD        4WD-FT        4WD-PT         
Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC+OC, H02S, SFI  
(use abbreviations per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
CA-100	ASHL52 ASKL52 ASHH52 ASKH52	A4	4000	S E E  A T T A C H M E N T	04686846	N.A.	04427820

Date Issued: 06-10-94

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

TRUCK MODELS COVERED BY CERTIFICATE

VEH MFR: CHRYSLER

ENG MFR: CHRYSLER

ENG FAM: SCR20128C4JA  
EVAP FAM: N.A..

CERTIF #:

CAR LINE

California  
SALES

Caravan 2WD  
Voyager 2WD

YES  
YES

MFR. SALES NAME	FULL NAME	MODEL	MODEL DESCRIPTION
Dodge	Caravan 2WD	* ASKL52	* FWD, SWB, Lowline
Dodge	Caravan 2WD	* ASKL53	* FWD, LWB, Lowline
Plymouth	Voyager 2WD	* ASHL52	* FWD, SWB, Lowline
Plymouth	Voyager 2WD	* ASHL53	* FWD, LWB, Lowline

\*AS = Body style, K = Dodge, L = Lowline, H = Plymouth, FWD(2WD) = Front wheel Drive, SWB(52) = Short wheel Base, LWB(53) = Long wheel Base.

1995 Chrysler Corporation

SCR20128C4JA

FAMILY TIRE USAGE

VEHICLE MODEL	ENGINE/TRANS	WEIGHT TEST	LBS GW	A	TIRE DESCRIPTION	C	USE	YR	CODE	TRD	MFG	TIME SEC	COASTDOWN	*DYNO HP	TIRE F	PRE
ASHH52	EGP DGL FW 4000	0	Y	STD	TPB	TAD	TZA	15.46	9.70	35	35	35	35	35	35	35
				OPT	TP4	TAD	TZA	15.24	9.10	35	35	35	35	35	35	35
				OPT	TPC	TAD	TZA	15.46	9.70	35	35	35	35	35	35	35
ASHL52	EGP DGL FW 4000	0	Y	STD	TPB	TAD	TZA	15.46	9.70	35	35	35	35	35	35	35
				OPT	TP4	TAD	TZA	15.24	9.10	35	35	35	35	35	35	35
				OPT	TPC	TAD	TZA	15.46	9.70	35	35	35	35	35	35	35
ASKH52	EGP DGL FW 4000	0	Y	STD	TPB	TAD	TZA	15.46	9.70	35	35	35	35	35	35	35
				OPT	TP4	TAD	TZA	15.24	9.10	35	35	35	35	35	35	35
				OPT	TPC	TAD	TZA	15.46	9.70	35	35	35	35	35	35	35
ASKL52	EGP DGL FW 4000	0	Y	STD	TPB	TAD	TZA	15.46	9.70	35	35	35	35	35	35	35
				OPT	TP4	TAD	TZA	15.24	9.10	35	35	35	35	35	35	35
				OPT	TPC	TAD	TZA	15.46	9.70	35	35	35	35	35	35	35

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

Chrysler Corporation  
 FAMILY TIRE DESCRIPTION

1995  
 SCR20128CAJA

TIRE DESCRIPTION VR COD TRD MFG NAME	SIZE	RPM	CONSTRUCTION COD TREAD MATERIAL	P L Y SV	SIDEWALL MATERIAL	P L Y	OVERLAY MATERIAL	P L Y	TREAD DEPTH (IN.) X 1/32
95 TP4 TAD TZA EAGLE-GA (A/ST)	P205/70R15	793	SBR 2-STEEL/2-POLYESTER	4	LBL POLYESTER	2	NYLON	2	10
95 TP8 TAD TZA GAL (A/S)	P205/70R15	794	SBR 2-STEEL/2-POLYESTER	4	BSW POLYESTER	2	NONE	2	10
95 TPC TAD TZA INVICTA-GAL (A/S)	P205/70R15	792	SBR 2-STEEL/2-POLYESTER	4	MSW Polyester	2	NONE	2	10