Prier

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-432
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 medium-duty vehicles:

Emission Standard Category: Super-Ultra-Low-Emission Vehicle (SULEV)

Fuel Type: Compressed Natural Gas (CNG)

Engine Family: XCRXT05.26RC Displacement: 5.2 Liters (318 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

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

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

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

Test Weight (lbs.)	Miles	Non-Methane Organic Gases	Carbon Monoxide	Nitrogen Oxides	Formaldehyde
5751-8500	50,000	0.059	2.5	0.3	0.006
	120,000	0.084	3.7	0.45	0.008

The certification exhaust emission values set forth for non-methane organic gases (NMOG) reflect application of a reactivity adjustment factor (RAF) for 1999 model-year CNG-fueled medium-duty SULEVs.

BE IT FURTHER RESOLVED: That, as of the date of this order, the Air Resources Board has not proposed or adopted a RAF for medium-duty SULEVs operated on CNG. At the proposal of the manufacturer for the certification of the aforementioned engine family, and based on available data and analysis showing there is a strong likelihood that the RAF for such vehicles will be less than 1.000, the applicable 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

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

Test Weight (lbs.)	Miles	Non-Methane Organic Gases	Carbon Monoxide	Nitrogen Oxides	Formaldehyde
5751-8500	50,000	0.036	2.4	0.2	0.001
	120,000	0.048	2.9	0.20	0.002

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 medium-duty vehicle phase-in 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" (Title 13, California Code of Regulations, Section 1960.1(h)(2)).

BE IT FURTHER RESOLVED: That under the submitted medium-duty vehicle phase-in compliance plan, if the manufacturer incurs "Vehicle Equivalent Debits" for the aforementioned model year due to the manufacturer's failure to produce and deliver for sale in California the equivalent quantity of medium-duty vehicles certified to low-emission vehicle and/or ultra-low-emission vehicle exhaust emission standards required by the above-referenced standards and test procedures, all "Vehicle Equivalent Debits" incurred 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 and Smog Index 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 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 9th day of October 1998.

Raphael Susnowitz

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

1999 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O. # A-9-432

Manufacturer: Chrysler Corporation Exh Eng Fam: XCRXT05.26RC Evap Fam: XCRXE0000CDH
All Eng Codes in Eng Fam: CA___ 49S___ 50S X AB965___ ORVR: YES___ NO X
Exh Std: CA Tier-1___ TLEV___ LEV___ ULEV___ SULEV X ; US EPA Tier-1___
Veh Class(es): PC___ LDT1___ LDT2___ MDV1___ MDV2___ MDV3 X 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___ Diesel___
CNG X LNG___ LPG___ M85___ Other (specify)___
Emis Test Fuel(s): Indo___ CBG___ CNG X 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 N/A Federal___
Service Accum: Std AMA ___ Mod AMA X Mfr ADP ___ Other (Specify) ___
NMOG Test Procedure: N/A___ Std___ Equiv X R/L Test Proce: SHED___ Pt Source___
Engine Configuration: V-8 Displacement: 5.2 Liters 318 Cubic Inches
Valves per Cylinder: 2 Rated HP: 200 @ 4800 RPM
Engine: Front X Mid___ Rear___ Drive: FWD___ RWD X 4WD-FT___ 4WD-PT___
Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC + OC, 2H02S, SFI, OBD II CERTIFIED

(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 FA-100 (CA)	AB2L12 AB2L13 AB2L52	A4	6500	SEE ATTACHMENT	56040118AA	--	52103470AB
	AB3L12 AB3L13		7000				
	AB3L13 AB3L53		7500				

Date Issued: 9/15/98

Revisions: 10/8/98

TK02-SDS/99

Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE DESCRIPTION USE	YR	COD	MFG	OPT	LOADED VEHICLE WEIGHT COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	COLD CO ELECTRIC DYNO COEFFICIENTS TARGET A (LINE 1 IS 20 DEG COEFFS,LINE 2 IS 50 DEG WHEN NEEDED)	B	C	SET A	B	C	ADJUSTED LOADED VEHICLE WGT ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
AB2L12	ELN	DGT	RW Y	7700	C	5500	STD	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882				6500	15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TWY	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
AB2L12	ELN	DGT	RW Y	7700	F	5500	STD	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882				6500	15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TWY	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
AB2L13	ELN	DGT	RW Y	7700	C	5500	STD	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882				6500	15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
AB2L13	ELN	DGT	RW Y	7700	F	5500	STD	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882				6500	15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
							OPT	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882					15.29	15.4	50	65
																64.47		0.04438								
AB2L52	ELN	DGT	RW Y	7700	C	6000	STD	99	TWY	TZH		14.59	15.8	40	40	77.85		0.04882				6500	15.29	15.4	50	65
																70.77		0.04438								
							OPT	99	TWT	TZH		14.59	15.8	40	40	77.85		0.04882					15.29	15.4	50	65
																70.77		0.04438								
							OPT	99	TWZ	TZH		14.59	15.8	40	40	77.85		0.04882					15.29	15.4	50	65
																70.77		0.04438								
							OPT	99	TYT	TZH		14.59	15.8	40	40	77.85		0.04882					15.29	15.4	50	65
																70.77		0.04438								
AB2L52	ELN	DGT	RW Y	7700	F	6000	STD	99	TWY	TZH		14.59	15.8	40	40	77.85		0.04882				6500	15.29	15.4	50	65
																70.77		0.04438								
							OPT	99	TWT	TZH		14.59	15.8	40	40	77.85		0.04882					15.29	15.4	50	65
																70.77		0.04438								
							OPT	99	TWZ	TZH		14.59	15.8	40	40	77.85		0.04882					15.29	15.4	50	65
																70.77		0.04438								
							OPT	99	TYT	TZH		14.59	15.8	40	40	77.85		0.04882					15.29	15.4	50	65
																70.77		0.04438								

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - TK02 - 400 /

Report Date: 09/08/98
Time: 13:04:05

Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE DESCRIPTION USE	YR	COD	MFG	OPT	LOADED VEHICLE WEIGHT COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	TARGET (LINE 1 IS 20 DEG	COLD CO ELECTRIC DYNO COEFFICIENTS A	B	C	SET A	B	C	COEFFS,LINE 2 IS 50 DEG WHEN NEEDED)	ADJUSTED LOADED VEHICLE WGT ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
AB3L12	ELN	DGT	RW	Y 8700	C	5500	STD	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438						7000				
							STD	99	TWY	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	50	65
																64.47		0.04438										
							OPT	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	50	65
																64.47		0.04438										
							OPT	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438										
AB3L12	ELN	DGT	RW	Y 8700	F	5500	STD	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882						7000	16.51	14.7	55	80
																64.47		0.04438										
							STD	99	TWY	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	50	65
																64.47		0.04438										
							OPT	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	50	65
																64.47		0.04438										
							OPT	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438										
AB3L13	ELN	DGT	RW	Y 8700	C	5500	STD	99	TWY	TZH		13.84	16.4	40	40	70.92		0.04882						7000	16.51	14.7	55	80
																64.47		0.04438										
							STD	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438										
							OPT	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438										
							OPT	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438										
AB3L13	ELN	DGT	RW	Y 8700	F	5500	STD	99	TWY	TZH		13.84	16.4	40	40	70.92		0.04882						7000	16.51	14.7	55	80
																64.47		0.04438										
							STD	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438										
							OPT	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438										
							OPT	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882							16.51	14.7	55	80
																64.47		0.04438										
AB3L13	ELN	DGT	RW	Y 9200	C	5500	STD	99	TWY	TZH		13.84	16.4	40	40	70.92		0.04882						7500	17.10	12.3	55	65
																64.47		0.04438										
							STD	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882							17.10	12.3	55	80
																64.47		0.04438										
							OPT	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882							17.10	12.3	55	80
																64.47		0.04438										
							OPT	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882							17.10	12.3	55	65
																64.47		0.04438										
AB3L13	ELN	DGT	RW	Y 9200	F	5500	STD	99	TWY	TZH		13.84	16.4	40	40	70.92		0.04882						7500	17.10	12.3	55	65
																64.47		0.04438										
							STD	99	TYT	TZH		13.84	16.4	40	40	70.92		0.04882							17.10	12.3	55	80
																64.47		0.04438										

* - For DYNO HP = 0.00
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Report Date: 09/08/98
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MODEL	ENG	TRANS	A C	GVW	MKT TYPE	LVW ETW	TIRE DESCRIPTION USE	YR	COD	MFG	OPT	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	LOADED VEHICLE WEIGHT TARGET (LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)	COLD CO ELECTRIC DYNO COEFFICIENTS A	B	C	SET A	B	C	ADJUSTED LOADED VEHICLE WGT ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
							OPT	99	TWT	TZH		13.84	16.4	40	40	70.92		0.04882						17.10	12.3	55	80
																64.47		0.04438									
							OPT	99	TWZ	TZH		13.84	16.4	40	40	70.92		0.04882						17.10	12.3	55	65
																64.47		0.04438									
AB3L53	ELN	DGT	RW Y	8700	C	6500	STD	99	TWY	TZH		15.48	14.5	40	40	82.18		0.04882					7500	17.10	12.3	55	80
																74.71		0.04438									
							STD	99	TYT	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
							OPT	99	TWT	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
							OPT	99	TWZ	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
AB3L53	ELN	DGT	RW Y	8700	F	6500	STD	99	TWY	TZH		15.48	14.5	40	40	82.18		0.04882					7500	17.10	12.3	55	80
																74.71		0.04438									
							STD	99	TYT	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
							OPT	99	TWT	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
							OPT	99	TWZ	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
AB3L53	ELN	DGT	RW Y	9200	C	6500	STD	99	TWY	TZH		15.48	14.5	40	40	82.18		0.04882					7500	17.10	12.3	55	80
																74.71		0.04438									
							STD	99	TYT	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
							OPT	99	TWT	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
							OPT	99	TWZ	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
AB3L53	ELN	DGT	RW Y	9200	F	6500	STD	99	TWY	TZH		15.48	14.5	40	40	82.18		0.04882					7500	17.10	12.3	55	80
																74.71		0.04438									
							STD	99	TYT	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
							OPT	99	TWT	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									
							OPT	99	TWZ	TZH		15.48	14.5	40	40	82.18		0.04882						17.10	12.3	55	80
																74.71		0.04438									

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

Report Date: 09/08/98
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Chrysler Corporation
FAMILY TIRE DESCRIPTION

TIRE DESCRIPTION YR	COD	MFG	OPT	NAME		SIZE	RPM	CONSTRUCTION COD	TREAD MATERIAL	PLY	SW	SIDEWALL MATERIAL	PLY	OVERLAY MATERIAL	PLY	TREAD DEPTH (IN.) X 1/32
99	TWT	TZH		LTX	(A/S)	LT225/75R16-E	711	SBR	3-Steel/2-Polyester	5	BSW	Polyester	2	None	0	14
99	TWY	TZH		LTX	(A/S)	LT225/75R16-D	712	SBR	3-Steel/2-Polyester	5	OWL	Polyester	2	None	0	13
99	TWZ	TZH		LTX	(A/S)	LT225/75R16-D	712	SBR	3-Steel/2-Polyester	5	BSW	Polyester	2	None	0	13
99	TYT	TZH		LTX	(A/S)	LT245/75R16-E	679	SBR	3-Steel/2-Polyester	5	BSW	Polyester	2	None	0	14

Report Date: 09/08/98
Time: 13:04:05

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: XCRXT05.26RC
Evaporative Fam: XCRXE0000CDH

Certificate #:

Model ID	Car Line	California Sales
AB2L12	Ram Van 2500 2WD	YES
AB2L13	Ram Van 2500 2WD	YES
AB3L13	Ram Van 3500 2WD	YES
AB3L12	Ram Van B3500 2WD	YES
AB2L52	Ram Wagon 2500 2WD	YES
AB3L53	Ram Wagon 3500 2WD HDV	YES

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Model Codes
AB 1 L  11
|  | |  |
|  | |  -- 1st digit: 2nd digit:
|  | |      1=Van      1=109.6" wb
|  | |      5=Wagon    2=127.6" wb
|  | |                 3=127.6" maxi wb
|  | ------ Price Class
|  |        L=Low Line
|  |        X=Premium
|  ------- Model:
|          1=B1500
|          2=B2500
|          3=B3500
---------- Body Code:
           Vans
           Wagons
```