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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-423
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:

Fuel Type: Gasoline

Engine Family: XCRXA0239H11 Displacement: 3.9 Liters (239 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

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

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.32	4.4	0.7	12.5
	120,000	0.46	6.4	0.98	n/a

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

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.20	2.4	0.4	5.9
	120,000	0.30	4.2	0.70	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 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 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 automatic transmission Ram 1500 Pickup (2WD) vehicle models are certified 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").

BE IT FURTHER RESOLVED: That the listed Ram Van 1500 (2WD), Ram Wagon 1500 (2WD) and the manual transmission Ram 1500 Pickup (2WD) 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 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.).

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 22nd day of July 1998.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O. # A-9-423
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1999 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: XCRXA0239H11 Evap Fam: XCRXE0174G3H & G4H

All Eng Codes in Eng Fam: CA X 49S ____ 50S ____ AB965 ____ ORVR: YES ____ NO X

Exh Std: CA Tier-1 X TLEV ____ LEV ____ ULEV ____ SULEV ____; US EPA Tier-1 ____

Veh Class(es): PC ____ LDT1 ____ LDT2 ____ MDV1 ____ MDV2 X 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: V-6 Displacement: 3.9 Liters 239 Cubic Inches

Valves per Cylinder: 2 Rated HP: 175 @ 4800 RPM

Engine: Front X Mid ____ Rear ____ Drive: FWD ____ RWD X 4WD-FT ____ 4WD-PT X

Exhaust ECS (eg., EGR, MFI, TC, CAC): HO2S(2), TWC, SFI, OBD II
(use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type M5,A3, A4	ETW or Test Wt.*	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
CA-100 (CA)	AB1L11 AB1L12 AB1L13 AB1L51 AB1X11 AB1X12	A3	5500	SEE ATTACHMENT	56040036AA 56040036AB	--	52022029AC
CA-200 (CA)	BR1E61 BR1L61	A4	5250		56040061AA 56040061AB		52103222AB
	BR1E62 BR1L62		5500				
CM-100 (CA)	BR1E61 BR1L61	M5	5250		56040029AA 56040029AB		52103222AB
	BR1E62 BR1L62		5500				

Evaporative Families

XCRXE0174G3H: CA-200, CM-100
XCRXE0174G4H: CA-100, CA-200, CM-100

Date Issued: 07/09/98

Revisions: ____

TF05-SDS/99

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: XCRXA0239H11
Evaporative Fam: XCRXE0174G3H

Certificate #:

Model ID	Car Line	California Sales
BR1E61	Ram 1500 Pickup 2WD	YES
BR1L61	Ram 1500 Pickup 2WD	YES

Model Codes
BR 2 L 62

-- 1st digit: 2nd digit:
6=Regular Cab 1=119" or 139" wb
2=135" or 155" wb
3=139" wb Chassis Cab
4=163" wb Chassis Cab
5=135" wb Chassis Cab

----- Price Class
L=Covers all trim levels

------- Model:
1=1500 6=1500 4X4
2=2500 7=2500 4X4
3=3500 8=3500 4X4

---------- Body Code:
Ram Pickup
Ram Club Cab
Ram Chassis Cab

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: XCRXA0239H11
Evaporative Fam: XCRXE0174G4H

Certificate #:

Model ID	Car Line	California Sales
BR1E62	Ram 1500 Pickup 2WD	YES
BR1L62	Ram 1500 Pickup 2WD	YES
AB1L12	Ram Van 1500 2WD	YES
AB1L13	Ram Van 1500 2WD	YES
AB1X12	Ram Van 1500 2WD	YES
AB1L11	Ram Van 1500 2WD	YES
AB1X11	Ram Van 1500 2WD	YES
AB1L51	Ram Wagon 1500 2WD	YES

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

Model Codes
BR 2 L 62

-- 1st digit: 2nd digit:
6=Regular Cab 1=119" or 139" wb
2=135" or 155" wb
3=139" wb Chassis Cab
4=163" wb Chassis Cab
5=135" wb Chassis Cab

----- Price Class
L=Covers all trim levels
C=Chassis Cab

------- Model:
1=1500 6=1500 4X4
2=2500 7=2500 4X4
3=3500 8=3500 4X4

---------- Body Code:
Ram Pickup
Ram Club Cab
Ram Chassis Cab

Chrysler Corporation
Family Tire Usage

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
AB1L11	EHC	DGG	RW Y	6600	C	4500	STD	99	TSC	TZH	TAD	13.04	16.9	35	35	50.23		0.04608					5500	15.40	16.0	35	35
																45.66		0.04189									
							OPT	99	TSD	TZH	TAD	13.04	16.9	35	35	50.23		0.04608						15.40	16.0	35	35
																45.66		0.04189									
							OPT	99	TSF	TZA	TAD	13.21	16.9	35	35	51.84		0.04450						15.24	16.0	35	35
																47.13		0.04045									
							OPT	99	TW9	TZA	TAD	12.24	16.1	35	35	60.17		0.04450						14.10	14.2	35	35
																54.70		0.04045									
AB1L12	EHC	DGG	RW Y	6600	C	4750	STD	99	TSC	TZH	TAD	13.67	17.0	35	35	51.36		0.04608					5500	15.40	16.0	35	35
																46.69		0.04189									
							OPT	99	TSD	TZH	TAD	13.67	17.0	35	35	51.36		0.04608						15.40	16.0	35	35
																46.69		0.04189									
							OPT	99	TSF	TZA	TAD	13.84	17.0	35	35	53.00		0.04450						15.24	16.0	35	35
																48.18		0.04045									
							OPT	99	TW9	TZA	TAD	12.83	16.2	35	35	61.49		0.04450						14.10	14.2	35	35
																55.90		0.04045									
AB1L13	EHC	DGG	RW Y	6600	C	5000	STD	99	TSC	TZH	TAD	14.20	16.5	35	35	53.71		0.04608					5500	15.40	16.0	35	35
																48.82		0.04189									
							OPT	99	TSD	TZH	TAD	14.20	16.5	35	35	53.71		0.04608						15.40	16.0	35	35
																48.82		0.04189									
							OPT	99	TSF	TZA	TAD	14.37	16.6	35	35	55.42		0.04450						15.24	16.0	35	35
																50.38		0.04045									
							OPT	99	TW9	TZA	TAD	13.30	15.4	35	35	64.25		0.04450						14.10	14.2	35	35
																58.41		0.04045									
AB1L51	EHC	DGG	RW Y	6600	C	5000	STD	99	TSC	TZH	TAD	14.20	16.5	35	35	53.71		0.04608					5500	15.40	16.0	35	35
																48.82		0.04189									
							OPT	99	TSD	TZH	TAD	14.20	16.5	35	35	53.71		0.04608						15.40	16.0	35	35
																48.82		0.04189									
							OPT	99	TSF	TZA	TAD	14.37	16.6	35	35	55.42		0.04450						15.24	16.0	35	35
																50.38		0.04045									
							OPT	99	TW9	TZA	TAD	13.30	15.4	35	35	64.25		0.04450						14.10	14.2	35	35
																58.41		0.04045									
AB1X11	EHC	DGG	RW Y	6600	C	4500	STD	99	TSC	TZH	TAD	13.04	16.9	35	35	50.23		0.04608					5500	15.40	16.0	35	35
																45.66		0.04189									
							OPT	99	TSD	TZH	TAD	13.04	16.9	35	35	50.23		0.04608						15.40	16.0	35	35
																45.66		0.04189									
							OPT	99	TSF	TZA	TAD	13.21	16.9	35	35	51.84		0.04450						15.24	16.0	35	35
																47.13		0.04045									
							OPT	99	TW9	TZA	TAD	12.24	16.1	35	35	60.17		0.04450						14.10	14.2	35	35
																54.70		0.04045									
AB1X12	EHC	DGG	RW Y	6600	C	4750	STD	99	TSC	TZH	TAD	13.67	17.0	35	35	51.36		0.04608					5500	15.40	16.0	35	35
																46.69		0.04189									
							OPT	99	TSD	TZH	TAD	13.67	17.0	35	35	51.36		0.04608						15.40	16.0	35	35
																46.69		0.04189									

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

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Chrysler Corporation
Family Tire Usage

MODEL	ENG	TRANS	A C	GVW	WKT 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)	A	B	C	SET A (LINE 2 IS 50 DEG WHEN NEEDED)	B	C	ADJUSTED LOADED VEHICLE WGT ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
																	COLD CO ELECTRIC DYNO COEFFICIENTS COEFFS									
							OPT	99	TSF	TZA	TAD	13.84	17.0	35	35	53.00		0.04450					15.24	16.0	35	35
																48.18		0.04045								
							OPT	99	TW9	TZA	TAD	12.83	16.2	35	35	61.49		0.04450					14.10	14.2	35	35
																55.90		0.04045								
BR1E61	EHC	DDC	RW	Y 6400	C	4500	STD	99	TR8	TZA	TAD	15.11	13.7	35	35	35.90		0.04271				5250	16.98	12.3	35	35
																32.64		0.03883								
							OPT	99	TYU	TZA	TAD	15.27	13.6	35	35	29.82		0.04456					16.94	12.7	35	35
																27.11		0.04051								
							OPT	99	TYV	TZH	TAD	15.56	13.6	35	35	31.00		0.04269					17.41	12.1	35	35
																28.18		0.03881								
BR1E61	EHC	DGK	RW	Y 6400	C	4500	STD	99	TR8	TZA	TAD	14.36	13.9	35	35	43.96		0.04271				5250	16.18	12.3	35	35
																39.96		0.03883								
							OPT	99	TYU	TZA	TAD	14.50	13.7	35	35	37.92		0.04456					16.14	12.6	35	35
																34.47		0.04051								
							OPT	99	TYV	TZH	TAD	14.77	13.8	35	35	39.00		0.04269					16.57	12.1	35	35
																35.46		0.03881								
BR1E62	EHC	DDC	RW	Y 6400	C	4750	STD	99	TR8	TZA	TAD	15.76	13.9	35	35	37.69		0.04271				5500	17.73	12.6	35	35
																34.27		0.03883								
							OPT	99	TYU	TZA	TAD	15.95	13.7	35	35	31.38		0.04456					17.69	13.0	35	35
																28.53		0.04051								
							OPT	99	TYV	TZH	TAD	16.25	13.7	35	35	32.60		0.04269					18.19	12.4	35	35
																29.64		0.03881								
BR1E62	EHC	DGK	RW	Y 6400	C	4750	STD	99	TR8	TZA	TAD	15.05	14.0	35	35	45.05		0.04271				5500	16.90	12.6	35	35
																40.95		0.03883								
							OPT	99	TYU	TZA	TAD	15.21	13.8	35	35	38.86		0.04456					16.86	12.9	35	35
																35.33		0.04051								
							OPT	99	TYV	TZH	TAD	15.49	13.8	35	35	39.97		0.04269					17.32	12.4	35	35
																36.34		0.03881								
BR1L61	EHC	DDC	RW	Y 6400	C	4500	STD	99	TR8	TZA	TAD	15.11	13.7	35	35	35.90		0.04271				5250	16.98	12.3	35	35
																32.64		0.03883								
							OPT	99	TYU	TZA	TAD	15.27	13.6	35	35	29.82		0.04456					16.94	12.7	35	35
																27.11		0.04051								
							OPT	99	TYV	TZH	TAD	15.56	13.6	35	35	31.00		0.04269					17.41	12.1	35	35
																28.18		0.03881								
BR1L61	EHC	DGK	RW	Y 6400	C	4500	STD	99	TR8	TZA	TAD	14.36	13.9	35	35	43.96		0.04271				5250	16.18	12.3	35	35
																39.96		0.03883								
							OPT	99	TYU	TZA	TAD	14.50	13.7	35	35	37.92		0.04456					16.14	12.6	35	35
																34.47		0.04051								
							OPT	99	TYV	TZH	TAD	14.77	13.8	35	35	39.00		0.04269					16.57	12.1	35	35
																35.46		0.03881								
BR1L62	EHC	DDC	RW	Y 6400	C	4750	STD	99	TR8	TZA	TAD	15.76	13.9	35	35	37.69		0.04271				5500	17.73	12.6	35	35
																34.27		0.03883								
							OPT	99	TYU	TZA	TAD	15.95	13.7	35	35	31.38		0.04456					17.69	13.0	35	35
																28.53		0.04051								

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

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Report Date: 03/13/98
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LOADED VEHICLE WEIGHT

ADJUSTED LOADED VEHICLE WGT

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	R	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	ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	R
							OPT	99	TYV	TZH	TAD	16.25	13.7	35	35	32.60			0.04269					18.19	12.4	35	35
																29.64			0.03881								
BR1L62	EHC	DGK	RW	Y	6400	C	4750	STD	99	TR8	TZA	TAD	15.05	14.0	35	35	45.05			0.04271				5500	16.90	12.6	35	35
																40.95			0.03883								
							OPT	99	TYU	TZA	TAD	15.21	13.8	35	35	38.86			0.04456					16.86	12.9	35	35
																35.33			0.04051								
							OPT	99	TYV	TZH	TAD	15.49	13.8	35	35	39.97			0.04269					17.32	12.4	35	35
																36.34			0.03881								

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

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	TRB	TZA	TAD	WRANGLER APC		P225/75R16-XL	716	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	12
99	TSC	TZH	TAD	XW4	(A/S)	P235/75R15-XL	720	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	10
99	TSD	TZH	TAD	XW4	(A/S)	P235/75R15-XL	720	SBR	2-Steel/2-Polyester	4	WSW	Polyester	2	None	0	10
99	TSF	TZA	TAD	INVICTA-GL	(A/S)	P235/75R15-XL	724	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None	0	10
99	TW9	TZA	TAD	WRANGLER AT	(A/S)	LT235/75R15-D	716	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	13
99	TYU	TZA	TAD	WRANGLER APC		P245/75R16	689	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	12
99	TYV	TZH	TAD	LTX A/S		P245/75R16	691	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None	0	10

Report Date: 03/13/98
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