State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-398
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 medium-duty vehicles:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: WCRXA0360H31 Displacement: 5.9 Liters (360 Cubic Inches)

Exhaust Emission Control Systems and 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 non-methane organic gas (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) LEV certification exhaust emission standards for this engine family in grams per mile are:

Test Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.160	4.4	0.4	0.018	12.5
	120,000	0.230	6.4	0.6	0.027	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for NMOG reflect application of a 0.94 RAF for 1998 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

Test Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.125	2.5	0.3	0.004	8.8
	120,000	0.159	3.4	0.4	0.004	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 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 vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 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 3rd day of July 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O. # A-9-398
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1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: WCRXA0360H31 Evap Fam: WCRXE0174G3H & G4H
All Eng Codes in Eng Fam: CA X 49S ____ 50S ____ AB965 ____ ORVR: YES ____ NO X
Exh Std: CA Tier-1 ____ TLEV ____ LEV X 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: MDV2 (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 ____ Std ____ Equiv X R/L Test Proce: SHED ____ Pt Source X
Engine Configuration: V-8 Displacement: 5.9 Liters 360 Cubic Inches
Valves per Cylinder: 2 Rated HP: 235 @ 4000 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 A4	ETW or Test Wt.*	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
CA-100 (CA)	AB1L12 AB1L13 AB1X12	A4	5500	SEE ATTACHMENT	56046317AC	--	52103531AA
CA-200 (CA)	BE1L31 BE1L32 BE1L33 BR1L61 BR1L62		5500		56046345AB	--	52103224AA
CA-300 (CA)	BR6L61 BR6L62		5500			--	
						--	

* Reflects ALVW weights

Evaporative Families
WCRXE0174G3H: CA-200, CA-300
WCRXE0174G4H: CA-100, CA-200, CA-300

Post-it® Fax Note 7671	Date 7-2-97	# of pages ▶ 6
To KIM PRYOR	From JOE RYAN	
Co./Dept. CARB.	Co. CTC-CHRYSLER	
Phone #	Phone # (248) 576-5461	
Fax #	Fax #	

Date Issued: 07/01/97

Revisions:

TH08-SDS/98

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	TARGET A (LINE 1 IS 20 DEG	B COEFFS,	C	SET A LINE 2 IS 50 DEG	B WHEN	C NEEDED)	ALVW ETW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
												LOADED VEHICLE WEIGHT										ADJUSTED LOADED VEHICLE WGT				
AB1L12	EML	DGT	RW Y	6600	C	5000	STD	98	TSC	TZH		13.82	16.1	35	35							5500	14.47	16.2	35	35
							OPT	98	TSD	TZA		13.23	16.8	35	35								14.03	16.8	35	35
							OPT	98	TSD	TZH		13.82	16.1	35	35								14.47	16.2	35	35
							OPT	98	TSF	TZA		13.23	16.8	35	35								14.03	16.8	35	35
							OPT	98	TW9	TZA		12.31	16.4	35	35								13.04	15.8	35	35
AB1L13	EML	DGT	RW Y	6600	C	5000	STD	98	TSC	TZH		13.82	16.1	35	35							5500	14.47	16.2	35	35
							OPT	98	TSD	TZA		13.23	16.8	35	35								14.03	16.8	35	35
							OPT	98	TSD	TZH		13.82	16.1	35	35								14.47	16.2	35	35
							OPT	98	TSF	TZA		13.23	16.8	35	35								14.03	16.8	35	35
							OPT	98	TW9	TZA		12.31	16.4	35	35								13.04	15.8	35	35
AB1X12	EML	DGT	RW Y	6600	C	5000	STD	98	TSC	TZH		13.82	16.1	35	35							5500	14.47	16.2	35	35
							OPT	98	TSD	TZA		13.23	16.8	35	35								14.03	16.8	35	35
							OPT	98	TSD	TZH		13.82	16.1	35	35								14.47	16.2	35	35
							OPT	98	TSF	TZA		13.23	16.8	35	35								14.03	16.8	35	35
							OPT	98	TW9	TZA		12.31	16.4	35	35								13.04	15.8	35	35
BE1L31	EML	DGT	RW Y	6400	C	5250	STD	98	TRY	TZA		15.16	14.3	35	35							5500	15.74	13.9	35	35
							OPT	98	TYF	TZA		15.58	14.3	35	35								16.35	14.1	35	35
							OPT	98	TYG	TZA		15.58	14.3	35	35								16.35	14.1	35	35
							OPT	98	TYL	TZA		15.13	14.5	35	35								15.54	14.7	35	35
							OPT	98	TYV	TZH		16.00	14.1	35	35								15.95	14.7	35	35
BE1L32	EML	DGT	RW Y	6400	C	5250	STD	98	TRY	TZA		15.16	14.3	35	35							5500	15.74	13.9	35	35
							OPT	98	TYF	TZA		15.58	14.3	35	35								16.35	14.1	35	35
							OPT	98	TYG	TZA		15.58	14.3	35	35								16.35	14.1	35	35
							OPT	98	TYL	TZA		15.13	14.5	35	35								15.54	14.7	35	35
							OPT	98	TYV	TZH		16.00	14.1	35	35								15.95	14.7	35	35
BE1L33	EML	DGT	RW Y	6400	C	5500	STD	98	TRY	TZA		15.67	14.3	35	35	62.46		0.04221	44.26		-1.6703	0.05815	5500	15.74	13.9	35	35
							OPT	98	TYF	TZA		16.14	14.3	35	35								16.35	14.1	35	35
							OPT	98	TYG	TZA		16.14	14.3	35	35								16.35	14.1	35	35
							OPT	98	TYL	TZA		15.63	14.6	35	35								15.54	14.7	35	35
							OPT	98	TYV	TZH		16.57	14.1	35	35								15.95	14.7	35	35
BR1L61	EML	DGT	RW Y	6400	C	4750	STD	98	TRY	TZA		14.16	14.3	35	35							5500	15.74	13.9	35	35
							OPT	98	TXP	TZA		12.66	15.2	35	35								14.29	13.5	35	35
							OPT	98	TYF	TZA		14.45	14.5	35	35								16.35	14.1	35	35
							OPT	98	TYG	TZA		14.45	14.5	35	35								16.35	14.1	35	35
							OPT	98	TYV	TZH		14.88	14.1	35	35								15.95	14.7	35	35
BR1L62	EML	DGT	RW Y	6400	C	5000	STD	98	TRY	TZA		14.72	14.4	35	35							5500	15.74	13.9	35	35
							OPT	98	TYF	TZA		15.06	14.5	35	35								16.35	14.1	35	35
							OPT	98	TYG	TZA		15.06	14.5	35	35								16.35	14.1	35	35
							OPT	98	TYV	TZH		15.49	14.2	35	35								15.95	14.7	35	35
BR6L61	EML	DGT	4W Y	6400	C	5250	STD	98	TYF	TZA		14.32	16.0	35	35							5500	14.66	15.4	35	35
							OPT	98	TXW	TZA		13.49	16.2	35	35								13.57	15.8	35	35
							OPT	98	TYL	TZA		13.73	16.2	35	35								13.79	16.1	35	35
							OPT	98	TYM	TZA		13.73	16.2	35	35								13.79	16.1	35	35

COLD CO ELECTRIC DYNO COEFFICIENTS

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - TH08 - 400 /

Report Date: 06/06/97
Time: 08:52:09

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
							OPT	98	TYV	TZH		14.10	16.2	35	35								14.28	16.3	35	35
BR6L62	EML	DGT	4W	Y	6400	C	5250	STD	98	TYF	TZA	14.32	16.0	35	35							5500	14.66	15.4	35	35
								OPT	98	TXW	TZA	13.49	16.2	35	35								13.57	15.8	35	35
								OPT	98	TYL	TZA	13.73	16.2	35	35								13.79	16.1	35	35
								OPT	98	TYM	TZA	13.73	16.2	35	35								13.79	16.1	35	35
								OPT	98	TYV	TZH	14.10	16.2	35	35								14.28	16.3	35	35

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - TH08 - 401 /

Report Date: 06/06/97
Time: 08:52:09

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
98	TRY	TZA		WRANGLER AP	(A/S)	P225/75R16-XL	711	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	11
98	TSC	TZH		XW4	(A/S)	P235/75R15-XL	720	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	10
98	TSD	TZA		INVICTA-GL	(A/S)	P235/75R15-XL	724	SBR	2-Steel/2-Polyester	4	WSW	Polyester	2	Nylon	1	10
98	TSD	TZH		XW4	(A/S)	P235/75R15-XL	720	SBR	2-Steel/2-Polyester	4	WSW	Polyester	2	None	0	10
98	TSF	TZA		INVICTA-GL	(A/S)	P235/75R15-XL	724	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None	0	10
98	TW9	TZA		WRANGLER AT	(A/S)	LT235/75R15-D	716	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	13
98	TXP	TZA		EAGLE GT II	(A/SP)	P275/60R17	697	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	Nylon	2	11
98	TXW	TZA		WRANGLER RTS	(A/T)	P265/75R16	660	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None	0	15
98	TYF	TZA		WRANGLER AP	(A/S)	P245/75R16	687	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	12
98	TYG	TZA		WRANGLER RT/S		P245/75R16	687	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None	0	12
98	TYL	TZA		WRANGLER RT/S	(A/T)	LT245/75R16-C	679	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	16
98	TYM	TZA		WRANGLER AT	(A/T)	LT245/75R16-C	679	SBR	2-Steel/2-POLYESTER	4	OWL	Polyester	2	None	0	16
98	TYV	TZH		LTX	(A/S)	P245/75R16	691	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None	0	10

Report Date: 06/06/97
Time: 08:52:09

MODELS COVERED BY CERTIFICATE

Attachment to the SDS Pg 4 of 5
for Executive Order A-9-398

Vehicle MFR: CHRYSLER

Engine Family: WCRXA0360H31
Evaporative Fam: WCRXE0174G3H

Certificate #:

Model ID	Car Line	California Sales
BE1L31	Ram 1500 Pickup 2WD	YES
BE1L33	Ram 1500 Pickup 2WD	YES
BR1L61	Ram 1500 Pickup 2WD	YES
BR6L61	Ram 1500 Pickup 4WD	YES

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Model Codes
BE 8 L  34
|  | |  |
|  | |  -- 1st digit:    2nd digit:
|  | |     3=Club Cab     1=139" wb w/2 Doors
|  | |                    2=155" wb w/2 Doors
|  | |                    3=139" wb w/4 Doors
|  | |                    4=155" wb w/4 Doors
|  | |
|  | ----- 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 Club Cab
```

```
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

Attachment to the SDS Pg 5 of 5
for Executive Order A-9-398

Vehicle MFR: CHRYSLER

Engine Family: WCRXA0360H31
Evaporative Fam: WCRXE0174G4H

Certificate #:

Model ID	Car Line	California Sales
BE1L32	Ram 1500 Pickup 2WD	YES
BR1L62	Ram 1500 Pickup 2WD	YES
BR6L62	Ram 1500 Pickup 4WD	YES
AB1L12	Ram Van 1500 2WD	YES
AB1L13	Ram Van 1500 2WD	YES
AB1X12	Ram Van 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
BE 8 L 34

--- 1st digit: 2nd digit:
3=Club Cab 1=139" wb w/2 Doors
2=155" wb w/2 Doors
3=139" wb w/4 Doors
4=155" wb w/4 Doors

------ 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 Club Cab

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