

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:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>	<u>HCHO</u>	<u>CO (20°F)</u>
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:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>	<u>HCHO</u>	<u>CO (20°F)</u>
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."

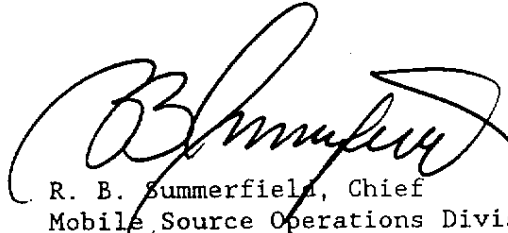
BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et 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 3<sup>rd</sup> day of July 1997.



R. B. Summerfield, Chief  
Mobile Source Operations Division

1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O. # A-9-398  
Page 1 of 1

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      Equip 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): H02S(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	S E E	56046317AC	--	52103531AA
CA-200 (CA)	BE1L31 BE1L32 BE1L33 BR1L61 BR1L62		5500	A T T A C H M E N T	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<sup>®</sup> Fax Note 7671

Date	<u>7-2-97</u>	# of Pages	<u>6</u>
To	<u>KIM PRYOR</u>	From	<u>JOE RYAN</u>
Co./Dept.	<u>CARB.</u>	Co.	<u>CC-CHRYSLER</u>
Phone #		Phone #	<u>(248) 576-5461</u>
Fax #		Fax #	

Date Issued: 07/01/97

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



Attachment to the SDS Pg 2 of 5  
for Executive Order A-9-398

Chrysler Corporation  
Family Tire Usage

1998  
MCRXA0360H31

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVM	LWM	TIRE DESCRIPTION	USE YR	COD	MFG	OPT	COAST			TIRE			COLD CO ELECTRIC DYNO COEFFICIENTS			ALVM			COAST			TIRE				
												DOWN	*DYNO	HP	F	R	HP	F	R	HP	F	R	HP	F	R	HP	F	R	HP	F	R
BR6L62	EML	DGT	4M	Y	6400	C	5250	OPT	98	TYV	TZH	14.10	16.2	35	35	14.10	16.2	35	35	14.10	16.2	35	35	14.28	16.3	35	35	14.28	16.3	35	35
							STD	98	TYF	TZA	14.32	16.0	35	35	14.32	16.0	35	35	14.32	16.0	35	35	13.57	15.4	35	35	13.57	15.4	35	35	
							OPT	98	TXW	TZA	13.49	16.2	35	35	13.49	16.2	35	35	13.49	16.2	35	35	13.73	15.8	35	35	13.73	15.8	35	35	
							OPT	98	TYL	TZA	13.73	16.2	35	35	13.73	16.2	35	35	13.73	16.2	35	35	13.79	16.1	35	35	13.79	16.1	35	35	
							OPT	98	TYM	TZA	13.73	16.2	35	35	13.73	16.2	35	35	13.73	16.2	35	35	13.79	16.1	35	35	13.79	16.1	35	35	
							OPT	98	TYV	TZH	14.10	16.2	35	35	14.10	16.2	35	35	14.10	16.2	35	35	14.28	16.3	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

TIRE DESCRIPTION YR COD MFG OPT NAME	SIZE	CONSTRUCTION RPM COD TREAD MATERIAL	P		SH	SIDEWALL MATERIAL	P		OVERLAY MATERIAL	TREAD DEPTH (IN.)	
			L	Y			L	Y		L	X
98 TRY TZA	(A/S) P225/75R16-XL	711 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	11		
98 TSC TZH	(A/S) P235/75R15-XL	720 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	10		
98 TSD TZA	(A/S) P235/75R15-XL	724 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	Nylon	1	10		
98 TSD TZH	(A/S) P235/75R15-XL	720 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	10		
98 TSF TZA	(A/S) P235/75R15-XL	724 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	10		
98 TM9 TZA	(A/S) LT235/75R15-D	716 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	13		
98 TXP TZA	(A/SP) P275/60R17	697 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	Nylon	2	11		
98 TXW TZA	(A/T) P265/75R16	660 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	15		
98 TYF TZA	(A/S) P245/75R16	687 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	12		
98 TYG TZA	(A/S) P245/75R16	687 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	12		
98 TYL TZA	(A/T) LT245/75R16-C	679 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	16		
98 TYM TZA	(A/T) LT245/75R16-C	679 SBR 2-Steel/2-POLYESTER	4	BSM	Polyester	2	None	0	16		
98 TYV TZH	(A/S) P245/75R16	691 SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	10		

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

/ 10 - TH08 - 402 /

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 #:

California  
Sales  
-----  
YES  
YES  
YES  
YES

Model ID  
-----  
BE1L31  
BE1L33  
BR1L61  
BR6L61

Car Line  
-----  
Ram 1500 Pickup 2WD  
Ram 1500 Pickup 2WD  
Ram 1500 Pickup 2WD  
Ram 1500 Pickup 4WD

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  
 Certificate #: for Executive Order A-9-398

Vehicle MFR: CHRYSLER  
 Engine Family: WCRXA0360H31  
 Evaporative Fam: WCRXE0174G4H

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