

File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-397
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: WCRXA0360H32 Displacement: 5.2 Liters (318 Cubic Inches)
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	0.144	3.4	0.3	0.002	6.9
	120,000	0.175	3.9	0.4	0.003	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 17th day of September 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

Manufacturer: Chrysler Corporation Exh Eng Fam: WCRXA0360H32 Evap Fam: WCRXE0133G3H
 All Eng Codes in Eng Fam: CA 49S 50S AB965 ORVR: YES NO
 Std: CA Tier-1 TLEV LEV ULEV SULEV ; US EPA Tier-1
 Veh Class(es): PC LDT1 LDT2 MDV1 MDV2 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 Flex-Fuel Dual-Fuel Bi-Level Gasoline Diesel
 CNG LNG LPG M85 Other (specify) _____
 Emis Test Fuel(s): Indo CBG 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
 Service Accum: Std AMA _____ Mod AMA Mfr ADP _____ Other (Specify) _____
 NMOG Test Procedure: N/A _____ Std _____ Equiv R/L Test Proce: SHED _____ Pt Source
 Engine Configuration: V-8 Displacement: 5.2 / 5.9 Liters 318 / 360 Cubic Inches
 Valves per Cylinder: 2 Rated HP: 220 / 235 @ 4400 / 4000 RPM
 Engine: Front Mid Rear Drive: FWD RWD 4WD-FT 4WD-PT
 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)	DN5L74	A4	5500	S E E	56046363AE	--	52103382 52103382AB
CA-200 (CA)	DN5L74		5500	A T T A C H M E N T	56046365AE	--	

* Reflects ALVW weights

Date Issued: 09/05/97

Revisions: _____

LOADED VEHICLE WEIGHT ADJUSTED LOADED VEHICLE WGT

MODEL	ENG	TRANS	A	MKT	LVM	LWM	TIRE DESCRIPTION	TIRE USE YR	COD	MFG	OPT	COAST		TIRE			*DYNO			COAST		ALVM			TIRE						
												DOWN	TIME	HP	F	R	HP	F	R	DOWN	TIME	ETW	DOWN	TIME	HP	F	R	DOWN	TIME	HP	F
DN5L74	ELF	DGM	4W	Y	6400	C	5000	STD	98	TS1	TZA	13.43	14.6	35	35	5500	14.62	13.7	35	35	5500	14.62	13.7	35	35	5500	14.62	13.7	35	35	
							OPT	98	TS2	TZA	13.43	14.6	35	35																	
DN5L74	EHL	DGT	4W	Y	6400	C	5000	STD	98	TU1	TZA	13.40	14.8	35	35	5500	14.30	14.2	35	35	5500	14.30	14.2	35	35	5500	14.28	14.0	35	35	
							OPT	98	TS2	TZA	13.01	14.9	35	35																	
							OPT	98	TU1	TZA	12.98	15.1	35	35																	

TARGET A B C COLD CO ELECTRIC DYNO COEFFICIENTS COAST TIRE TIRE TIRE
 (LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED) SET A B C DOWN TIME HP F R HP F R DOWN TIME HP F R DOWN TIME HP F R

81.80 0.04186 53.45 -1.0351 0.05028

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

1998
WCRXA0360H32

Chrysler Corporation
FAMILY TIRE DESCRIPTION

Attachment to the SDS Pg 2 of 3
For Executive Order A-9-397

TIRE DESCRIPTION YR COD MFG OPT NAME	SIZE	RPM	CONSTRUCTION COD TREAD MATERIAL	P		SIDEWALL MATERIAL	L OVERLAY		TREAD DEPTH P (IN.)
				Y	SW		Y	MATERIAL	
98 TS1 TZA WRANGLER RT/S (A/T)	P235/75R15	719	SBR 2-Steel/2-Polyester	4	BSW	Polyester	2	None	0 13
98 TS2 TZA WRANGLER RT/S (A/T)	P235/75R15-XL	719	SBR 2-Steel/2-Polyester	4	OML	Polyester	2	None	0 13
98 TUT TZA WRANGLER RT/S (A/T)	31X10.5R15LT	684	SBR 2-Steel/2-Polyester	4	OML	Polyester	2	None	0 13

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Report Date: 09/05/97
Time: 15:21:28

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: MCRXA0360H32
Evaporative Fam: MCRXE0133G3H

Certificate #:

Model ID -----
DN5L74
Car Line -----
Dodge Durango 4MD SUV
California Sales -----
YES

Model Codes
DN 1 L 74

1st & 2nd digit:
74=4 Door

Price Class
L=Covers all trim levels

Model:
1=4X2
5=4X4

Body Code:
Durango