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## State of California ATR 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:

Test Weight (lbs.)	Miles	NMOG	<u></u>	<u>NOx</u>	НСНО	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_	<u>NOx</u>	нсно	CO (20°F)
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 17 day of September 1997.

Summerfield, Chief

Mobile Source Operations Division

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

Manufacturer: _	Chrysler Corpora	<u>tion</u> Exh En	g Fam: <u>WC</u>	RXA0360	H32 Evap	Fam: <u>WCRXEO</u>	133G3H
	n Eng Fam: CA <u>X</u>						
	r-1 TLEV						
Veh Class(es):	PC LDT1	LDT2	MDV1	MDV2_	<u>X</u> MDV3_	MDV4	MDV5
Single Cert Std	for Multi-Class	Eng Fam: <u>N</u>	<u>I/A</u> (Spe	cify: N	I/A, LDT1, M	DV1, MDV2, I	MDV3, MDV4)
Fuel Type(s): Do	edicated <u>X</u> Fle	x-FuelD	ual-Fuel_	Bi -	Level G	asoline <u>X</u>	Diesel
	CNG LNG	LPG M	185	Other (	specify)		
Emis Test Fuel(	s): Indo CBG	i <u>X</u> CNG	LPG	M85	_ Other(spe	cify)	
	Diesel: 13	CCR 2282	or 40 CF	R 86.11	.3-90 or	40 CFR 86.	113-94
Evaporative Emi:	ssion Test Proce	edure: Calif	ornia	Fed	leral <u>X</u>	_	
Service Accum:	Std AMA	Mod AMAX	Mfr A	DP	Other (	Specify)	
NMOG Test Proce	dure: N/AS	itd Equi	vX	R/L Tes	t Proce: SH	ED Pt	Source <u>X</u>
Engine Configura	ation: <u>V-8</u> Dis	placement:_	5.2 / 5.	<u>9</u> Li	ters <u>318</u>	<u>/ 360</u> C	ubic Inches
Valves per Cyli	nder: <u>2</u>	Rat	ed HP:	220 /	235 @	4400 /4000	RPM
Engine: Front	XMidRea	ır	Drive: F	WD	RWD_X 4	WD-FT	4WD-PT <u>X</u>
Exhaust ECS (eg	., EGR, MFI, TC,	CAC): HO2S	(2) TWC.	SFI. C	BD II	20 300027	
		(us	e apprevi	ations	per SAE J19	30 301193)	
Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition (ECM/PCM)	EGR System	Catalyst Converter
(also list CA/49ST/50ST)	(if coded see attachment)	M5 A4	or Test	or RLHP	Part No.	Part No.	Part No.
	-		Wt.*				
CA-100	DN5L74	A4	5500	S	56046363AE		52103382
(CA)				E E			52103382AB
CA-200 (CA)	DN5L74		5500	A T	56046365AE		
(CA)			! !	T			
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\* Reflects ALVW weights

Date Issued: 09/05/97

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

1998 WCRXA0360H32

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ADJUSTED LOADED VEHICLE WGT	COAST TIRE ALVW DOWN *DYNO PRES ETW TIME HP F R	14.62 14.62 14.30	7.7.7 7.0 7.0 7.0
LOADED VEHICLE WEIGHT	COLD CO ELECTRIC DYNO COEFFICIENTS  TARGET A B C  LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)		0.04186 53.45 -1.0351 0.05028
	AST TIRE WN *DYNO PRES ME HP F R (	.43 14.6 35 35 .43 14.6 35 35 .40 14.8 35 35	13.01 14.9 13.01 14.9 12.98 15.1
	A MKT LVW TIRE DESCRIPTION ENG TRANS C GVW TYPE ETW USE YR COD MFG OPT	DNSL74 ELF DGW 4M Y 6400 C 5000 STD 98 IS1 TZA 13 OPT 98 IS2 TZA 13 OPT 98 IUT TZA 13	DNSL74 EML DGT 4W Y 6400 C 5000 STD 98 TS1 TZ OPT 98 TS2 TZ OPT 98 TS2 TZ OPT 98 TUT TZ
	MODEL	DNSL	DNSL

/ 10. - ТНО6 - 400 /

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

\* - For DYNO HP = 0.00 Ref To FRONTAL AREA

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

Chrysler Corporation FAMILY TIRE DESCRIPTION

1998 WCRXA0360H32

P L OVERLAY Y MATERIAL 719 SBR 2-Steel/2-Polyester 4 BSW Polyester 2 None 719 SBR 2-Steel/2-Polyester 4 GWL Polyester 2 None 684 SBR 2-Steel/2-Polyester 4 GWL Polyester 2 None L Y SW SIDEWALL MATERIAL CONSTRUCTION
RPM COD TREAD MATERIAL P235/75R15 P235/75R15-XL 31X10.5R15LT

WRANGLER RTS (A/T)
WRANGLER RT/S (A/T)
WRANGLER RT/S (A/T)

98 151 TZA WRANGLER R1 98 152 TZA WRANGLER R1 98 TUT TZA WRANGLER R1

TIRE DESCRIPTION YR COD MFG OPT NAME

TREAD DEPTH P (IN.) L X Y 1/32 V 1/32 0 13 0 13

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

/ 10. - THO6 - 401 /

Vehicle MFR: CHRYSLER

Engine family: WCRXA0360H32 Evaporative Fam: WCRXE0133G3H

Certificate #:

DN5L74 Model ID

Car Line

Dodge Durango 4WD SUV

YES

California Sales

1=4X2 5=4X4 Durango Price Class L=Covers all trim levels Model Codes DN 1 L 74

1st & 2nd digit: 74=4 Door