

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-459
Relating to Certification of New Motor Vehicles

DAIMLERCHRYSLER 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 2000 model-year DaimlerChrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: YCRXT0287231 Displacement: 4.7 Liters (287 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Dual Warm Up Oxidation Catalytic Converters
- Three Way Catalytic Converter
- Dual 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>Loaded Vehicle Weight (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	0.100	4.4	0.4	0.018	12.5
	100,000	0.130	5.5	0.5	0.023	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 2000 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

<u>Loaded Vehicle Weight (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	0.100	2.9	0.04	0.002	4.0
	100,000	0.108	3.8	0.1	0.002	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 fleet average NMOG exhaust mass emission 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."

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits 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 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.

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 16th day of July 1999.



for R. B. Summerfield, Chief
Mobile Source Operations Division

2000 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O.# A-9-459
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Manufacturer: DaimlerChrysler Exh Eng Fam: YCRXT0287231 Evap Fam: YCRXE0101G2H
 All Eng Codes in Eng Fam: CA 49S 50S AB965 ORVR: YES NO
 Exh Std: CA Tier-1 TLEV LEV ULEV SULEV US: EPA Tier-1 NLEV
 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 E85 Other(specify) _____
 Emis Test Fuel(s): Indo CBG CNG LPG M85 E85 Other(specify) _____
 Diesel: 13 CCR 2282 40 CFR 86.113-90 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 Equip R/L Test Proc: SHED Pt Source
 Engine Configuration: V-8 Displacement 4.7 Liters 287 Cubic Inches
 Valves per Cylinder: 2 Rated Horsepower: 235 @ 4800 RPM
 Engine: Front Rear Drive: FWD RWD 4WD-FT 4WD-PT
 Exhaust ECS (eg. EGR, MFI, TC, CAC): 2HO2S(2), 2WUOC, SFI, TWC
 (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.
NA-100	WJJH74 WJJP74	A4	4500	S E E	56044687AC	----	52101393 52101093AB
NA-200	WJTH74 WJTP74		4250	A T T A C H M E N T	56044668AC		

* Reflects ALVW Test Weights

Date Issued: 06/11/99

Revisions: _____

(49S = NLEV)

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER Engine Family: YCRXT0287231 Certificate #:
Evaporative Fam: YCRXE0101G2H

California
Sales

YES
YES
YES
YES

Model ID Car Line

WJTN74 Laredo 2WD
WJH74 Laredo 4WD
WJP74 Limited 2WD
WJJP74 Limited 4WD

Model Codes
XJ J L 74

| ---Body Style
| 72=2 door
| 74=4 door
| 77=open
| ----- Price Class
| -----
| Steering and Drive Line
| B=Right Hand Steering, 2 wd-rear
| U=Right Hand Steering, 4 wd
| J=Left Hand Steering, 4 wd
| T=Left Hand Steering, 2 wd-rear
| -----
| Car Line
| XJ=Cherokee
| TJ=Wrangler
| WJ=Grand Cherokee

Chrysler Corporation
Family Tire Usage

2000
YCRAT0287231

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG TRANS	A	MKT	LVM	ETM	C	GVM	Y	5400	C	4500	TIRE USE YR	DESCRIPTION	MFG	OPT	DHP	14.51	13.9	33	33	COAST	DOWN	*DYN	HP	PRES	TIRE	ALW	DOWN	ETM	TIME	HP	PRES	C	COLD CO ELECTRIC DYNO COEFFICIENTS			TIRE			
																																		SET A	SET B	SET C		ALW	DOWN	ETM
WJJP74	EVA	DG4	4A	Y	5400	C	4500	C	4500	C	4500	STD	00	IR7	TZA	DHP	14.51	13.9	33	33																0.03768				
												OPT	00	TRP	TZA	DHP	13.09	13.5	33	33																0.03425				
												OPT	00	TRY	TZA	DHP	14.51	13.9	33	33																0.03407				
												OPT	00	TR7	TZA	DHP	14.51	13.9	33	33																0.03097				
												OPT	00	TTB	TZA	DHP	13.90	13.0	33	33																0.03768				
												OPT	00	TTD	TZA	DHP	14.44	13.1	33	33																0.03425				
												OPT	00	TTT	TZA	DHP	12.86	14.5	33	33																0.03301				
												OPT	00	TTF	TZA	DHP	12.54	14.9	33	33																0.03535				
WJJP74	EVA	DG4	4B	Y	5400	C	4500	C	4500	C	4500	STD	00	IR7	TZA	DHF	14.56	13.0	33	33																	0.03214			
												OPT	00	TRP	TZA	DHF	13.16	12.6	33	33																	0.03730			
												OPT	00	TRY	TZA	DHF	14.56	13.0	33	33																	0.03391			
												OPT	00	TTB	TZA	DHF	13.95	12.1	33	33																	0.03628			
												OPT	00	TTD	TZA	DHF	14.50	12.2	33	33																	0.03298			
												OPT	00	TTT	TZA	DHF	12.91	13.9	33	33																	0.03407			
												OPT	00	TTF	TZA	DHF	12.57	14.4	33	33																	0.03097			
WJJP74	EVA	DG4	4A	Y	5400	C	4500	C	4500	C	4500	STD	00	TR7	TZA	DHP	14.51	13.9	33	33																		0.03730		
												OPT	00	TRP	TZA	DHP	13.09	13.5	33	33																		0.03628		
												OPT	00	TRY	TZA	DHP	14.51	13.9	33	33																		0.03298		
												OPT	00	TTB	TZA	DHP	13.90	13.0	33	33																		0.03425		
												OPT	00	TTD	TZA	DHP	14.44	13.1	33	33																		0.03407		
												OPT	00	TTT	TZA	DHP	12.86	14.5	33	33																		0.03097		
												OPT	00	TTF	TZA	DHP	12.54	14.9	33	33																		0.03768		
WJJP74	EVA	DG4	4B	Y	5400	C	4500	C	4500	C	4500	STD	00	TR7	TZA	DHF	14.56	13.0	33	33																			0.03425	

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

Chrysler Corporation
Family Tire Usage

2000
YCRX10287231

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

ALVM DOWN *DYNO PRES
ETM TIME HP F R

COLD CO ELECTRIC DYNO COEFFICIENTS
C SET A B C
(LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)

TIRE PRES
F R

COAST
DOWN *DYNO
TIME HP

TIRE DESCRIPTION
USE YR COO MFG OPT

A MKT LWJ
C GVM TYPE ETM

MODEL ENG TRANS

MODEL	ENG	TRANS	A	MKT	LWJ	TIRE DESCRIPTION	USE YR	COO	MFG	OPT	COAST DOWN	*DYNO TIME	HP	F	R	TARGET A	B	C	SET A	B	C	ALVM ETM	DOWN TIME	*DYNO HP	PRES F	R	ADJUSTED LOADED VEHICLE WGT
						OPT 00 TRP TZA	DHF				13.16	12.6	33	33	79.23												0.03407
						OPT 00 TRY TZA	DHF				14.56	13.0	33	33	72.03												0.03097
						OPT 00 TTB TZA	DHF				13.95	12.1	33	33	48.51												0.03768
						OPT 00 TTD TZA	DHF				14.50	12.2	33	33	53.36												0.03425
						OPT 00 TTE TZA	DHF				12.91	13.9	33	33	48.51												0.03631
						OPT 00 TTF TZA	DHF				12.57	14.4	33	33	58.43												0.03301
						STD 00 TR7 TZA					14.85	12.5	33	33	58.46												0.03535
						OPT 00 TRP TZA					13.42	12.2	33	33	60.46												0.03214
						OPT 00 TRY TZA					14.85	12.5	33	33	54.96												0.03730
						OPT 00 TTB TZA					14.08	11.8	33	33	73.92												0.03391
						OPT 00 TTD TZA					14.57	12.3	33	33	67.20												0.03628
						OPT 00 TTE TZA					13.16	13.2	33	33	80.76												0.03298
						OPT 00 TTF TZA					13.05	13.5	33	33	73.42												0.03262
						STD 00 TR7 TZA					14.85	12.5	33	33	54.71												0.02965
						OPT 00 TRP TZA					13.42	12.2	33	33	71.72												0.03213
						OPT 00 TRY TZA					14.85	12.5	33	33	65.20												0.02921
						OPT 00 TTB TZA					14.08	11.8	33	33	54.71												0.03262
						OPT 00 TTD TZA					14.57	12.3	33	33	49.74												0.02965
						OPT 00 TTE TZA					13.16	13.2	33	33	49.74												0.03454
						OPT 00 TTF TZA					13.05	13.5	33	33	63.10												0.03140
						STD 00 TR7 TZA					14.85	12.5	33	33	54.71												0.03143
						OPT 00 TRP TZA					13.42	12.2	33	33	49.74												0.02965
						OPT 00 TRY TZA					14.85	12.5	33	33	65.20												0.03213
						OPT 00 TTB TZA					14.08	11.8	33	33	54.71												0.02921
						OPT 00 TTD TZA					14.57	12.3	33	33	49.74												0.03262
						OPT 00 TTE TZA					13.16	13.2	33	33	63.10												0.02965
						OPT 00 TTF TZA					13.05	13.5	33	33	49.74												0.03457
						STD 00 TR7 TZA					14.85	12.5	33	33	63.06												0.03143
						OPT 00 TRP TZA					13.42	12.2	33	33	49.74												0.02965
						OPT 00 TRY TZA					14.85	12.5	33	33	65.20												0.03213
						OPT 00 TTB TZA					14.08	11.8	33	33	54.71												0.02921
						OPT 00 TTD TZA					14.57	12.3	33	33	49.74												0.03262
						OPT 00 TTE TZA					13.16	13.2	33	33	63.10												0.02965
						OPT 00 TTF TZA					13.05	13.5	33	33	49.74												0.03457
						STD 00 TR7 TZA					14.85	12.5	33	33	63.06												0.03143
						OPT 00 TRP TZA					13.42	12.2	33	33	49.74												0.02965
						OPT 00 TRY TZA					14.85	12.5	33	33	65.20												0.03213
						OPT 00 TTB TZA					14.08	11.8	33	33	54.71												0.02921
						OPT 00 TTD TZA					14.57	12.3	33	33	49.74												0.03262
						OPT 00 TTE TZA					13.16	13.2	33	33	63.10												0.02965
						OPT 00 TTF TZA					13.05	13.5	33	33	49.74												0.03457
						STD 00 TR7 TZA					14.85	12.5	33	33	63.06												0.03143

Chrysler Corporation
FAMILY TIRE DESCRIPTION

2000
YCRXT0287231

TIRE DESCRIPTION YR COD MFG OPT NAME	SIZE	CONSTRUCTION RPM COD TREAD MATERIAL	P L Y SW	SIDEWALL MATERIAL	P L Y	OVERLAY MATERIAL			TREAD DEPTH (IN.) P (IN.) L X Y 1/32
						L	Y	X	
00 TR7 TZA DHP WRANGLER ST	P225/75R16 (A/S)	711 SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	11	
00 TR7 TZA DHP WRANGLER ST	P225/75R16 (A/S)	711 SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	11	
00 TR7 TZA DHP WRANGLER S4	P225/75R16 (A/S)	711 SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	11	
00 TRP TZA DHP WRANGLER S4	225/75R16 (A/S)	707 SBR 2-Poly/2-Stl/2-Nylon	6	BSW Polyester	2	Nylon	1	13	
00 TRP TZA DHP WRANGLER S4	225/75R16 (A/S)	707 SBR 2-Poly/2-Stl/2-Nylon	6	BSW Polyester	2	Nylon	1	13	
00 TRP TZA DHP WRANGLER S4	225/75R16 (A/S)	707 SBR 2-Poly/2-Stl/2-Nylon	6	BSW Polyester	2	Nylon	1	13	
00 TRY TZA DHP WRANGLER ST	P225/75R16 (A/S)	711 SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	0	11	
00 TRY TZA DHP WRANGLER ST	P225/75R16 (A/S)	711 SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	0	11	
00 TRY TZA DHP WRANGLER ST	P225/75R16 (A/S)	711 SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	0	11	
00 TRB TZA DHP WRANGLER SR-A	P245/70R16 (A/T)	711 SBR 2-Polyester/2-Steel	4	OML Polyester	2	None	0	13	
00 TRB TZA DHP WRANGLER SR-A	P245/70R16 (A/T)	711 SBR 2-Polyester/2-Steel	4	OML Polyester	2	None	0	13	
00 TRB TZA DHP WRANGLER SR-A	P245/70R16 (A/T)	711 SBR 2-Polyester/2-Steel	4	OML Polyester	2	None	0	13	
00 TRD TZA DHP EAGLE LS	P245/70R16 (A/SP)	706 SBR 2-Polyester/2-Steel	4	BSW Polyester	2	None	0	13	
00 TRD TZA DHP EAGLE LS	P245/70R16 (A/SP)	706 SBR 2-Polyester/2-Steel	4	BSW Polyester	2	None	0	13	
00 TRD TZA DHP EAGLE LS	P245/70R16 (A/SP)	706 SBR 2-Polyester/2-Steel	4	BSW Polyester	2	None	0	13	
00 TTE TZA DHP WRANGLER HP	P245/70R16 (A/SP)	703 SBR 2-Poly/2-Stl/1-Nylon	5	BSW Polyester	2	Nylon	1	13	
00 TTE TZA DHP WRANGLER HP	P245/70R16 (A/SP)	703 SBR 2-Poly/2-Stl/1-Nylon	5	BSW Polyester	2	Nylon	1	13	
00 TTE TZA DHP WRANGLER HP	P245/70R16 (A/SP)	703 SBR 2-Poly/2-Stl/1-Nylon	5	BSW Polyester	2	Nylon	1	13	
00 TTF TZA DHP WRANGLER SR-A	P245/70R16 (A/T)	703 SBR 2-Poly/2-Stl/1-Nylon	5	OML Polyester	2	None	0	13	
00 TTF TZA DHP WRANGLER SR-A	P245/70R16 (A/T)	703 SBR 2-Poly/2-Stl/1-Nylon	5	OML Polyester	2	None	0	13	
00 TTF TZA DHP WRANGLER SR-A	P245/70R16 (A/T)	703 SBR 2-Poly/2-Stl/1-Nylon	5	OML Polyester	2	None	0	13	