

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-443  
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: YCRXT0242130 Displacement: 4.0 Liters (242 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:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
0-3750	50,000	0.075	3.4	0.2	0.015	10.0
	100,000	0.090	4.2	0.3	0.018	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:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
0-3750	50,000	0.065	1.0	0.1	0.001	4.3
	100,000	0.080	1.3	0.2	0.001	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 manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 16<sup>th</sup> 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-9-443  
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Manufacturer: DaimlerChrysler Corp Exh Eng Fam: YCRXT0242130 Evap Fam: YCRXE0101G2S  
 All Eng Codes in Eng Fam: CA X 49S X 50S      AB965      ORVR: YES      NO X  
 Exh Std: CA Tier-1      TLEV      LEV X ULEV      SULEV      US: EPA Tier-1      NLEV X  
 Veh Class(es): PC      LDT1 X 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 X Flex-Fuel      Dual-Fuel      Bi-Level      Gasoline X Diesel       
                   CNG      LNG      LPG      M85      E85      Other(specify)       
 Exh. Emis Test Fuel(s): Indo      CBG X 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 X  
 Service Accum: Std AMA      Mod AMA      Mfr ADP X Other(specify)       
 NMOG Test Procedure: N/A      Std      Equip X R/L Test Proc: SHED      Pt Source X  
 Engine Configuration: I-6 Displacement 4.0 Liters 242 Cubic Inches  
 Valves per Cylinder: 2 Rated Horsepower: 190 @ 4600 RPM  
 Engine: Front X Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT X  
 Exhaust ECS (eg. EGR, MFI, TC, CAC): 2WUOC, TWC, 2H02S (2), C... SFI  
 (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 (CA, 49ST)	XJTH72	A4	3625	S E E	56041635AC	None	52101116AC 52101053AB						
	XJTH74												
	XJTL72												
	XJTL74												
	XJTP74												
	XJTS74												
-----													
	XJBL74		3750	A T T A C H M E N T									
	XJL74												
NM-100 (CA, 49ST)	XJTL72	M5	3500		M E N T	56041668AC							
	XJTH72												
	XJTH74												
	XJTL74												
	-----												
				XJH72						3750			
	XJL72												

Remarks: 49ST = NLEV

Date Issued: 6/3/99

Revisions:

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER      Engine Family: YCRXI0242130      Certificate #:  
Evaporative Fam: YCRXE0101G2\$

Model ID	Car Line	California Sales
XJJP74	Classic 2WD	YES
XJTS74	Limited 2WD	YES
XJTL72	SE 2WD	YES
XJIL74	SE 2WD	YES
XJBL74	SE 2WD RHD	YES
XJLL72	SE 4WD	YES
XJH72	Sport 2WD	YES
XJTH74	Sport 2WD	YES
XJH72	Sport 4WD	YES

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

ATTACHMENT TO SDS PAGE 1  
OF EXECUTIVE ORDER A-9-443

Chrysler Corporation  
Family Tire Usage

2000  
YCRXT0242130

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVW	TIRE DESCRIPTION	COAST	DOWN	TIME	HP	PRES	TIRE	COLD CO ELECTRIC DYNO COEFFICIENTS			ALVM	DOWN	TIRE
													SET A	SET B	SET C			
XJBL74	ERH	DGS	RW	Y	4600	C	3750	C	3750	13.70	12.2	33	33	42.30	0.03508			
														38.45	0.03189			
														44.77	0.03527			
XJH72	ERH	DDD	4A	Y	4850	C	3750	C	3750	11.93	14.4	33	33	40.70	0.03206			
														50.96	0.03930			
														46.33	0.03573			
														66.57	0.03793			
XJL72	ERH	DDD	4A	Y	4850	C	3750	C	3750	12.27	14.0	33	33	60.52	0.03448			
														45.89	0.03439			
														46.33	0.03573			
XJL72	ERH	DGS	4W	Y	4850	C	3750	C	3750	11.93	14.4	33	33	45.89	0.03439			
														46.33	0.03573			
XJH72	ERH	DDD	RA	Y	4550	C	3625	C	3625	13.12	12.7	33	33	39.21	0.03206			
														52.81	0.03527			
XJH72	ERH	DGS	RW	Y	4550	C	3625	C	3625	13.12	12.7	33	33	48.01	0.03234			
														43.13	0.03527			
XJH74	ERH	DDD	RA	Y	4600	C	3625	C	3625	12.24	12.0	33	33	39.21	0.03206			
														52.81	0.03557			
XJH74	ERH	DGS	RP	Y	4600	C	3625	C	3625	12.79	12.3	33	33	48.01	0.03234			
														47.60	0.03488			
XJH74	ERH	DGS	RW	Y	4600	C	3625	C	3625	13.12	12.7	33	33	41.27	0.03171			
														43.13	0.03527			
XJL72	ERH	DDD	RA	Y	4550	C	3500	C	3500	12.24	12.0	33	33	39.21	0.03206			
														52.81	0.03557			
XJL72	ERH	DGS	RW	Y	4550	C	3625	C	3625	12.95	12.2	33	33	48.01	0.03234			
														40.63	0.03508			
														36.94	0.03189			
XJL72	ERH	DGS	RW	Y	4550	C	3625	C	3625	13.39	12.2	33	33	40.76	0.03206			
														37.05	0.03189			
XJH74	ERH	DDD	RA	Y	4600	C	3625	C	3625	13.12	12.7	33	33	43.13	0.03527			
														40.76	0.03508			
														37.05	0.03189			
														40.76	0.03508			
														37.05	0.03189			

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

/ 10. - TP03 - 400 /

Report Date: 06/03/99  
Time: 11:36:04

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVW	TIRE	DESCRIPTION	USE	YR	COD	MFG	OPT	COAST	DOWN	*DYN	HP	F	R	TIRE	PRES	F	R	ALVM	DOWN	*DYN	HP	F	R	TIRE	PRES	COLD CO ELECTRIC DYN COEFFICIENTS			COLD CO ELECTRIC DYN COEFFICIENTS			COLD CO ELECTRIC DYN COEFFICIENTS												
																															ETW	ETW	ETW	SET	A	B	C	SET	A	B	C	SET	A	B	C	LINE 1	IS	20	DEG
XJTL74	ERH	DGS	RW	Y	4600	C	3625	STD	00	TM6	TZA	OPT	00	TRL	TZA	13.12	12.7	33	33	33	43.13	39.21	40.76	37.05	0.03206	0.03508	0.03189	0.03527	0.03206	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234
XJTP74	ERH	DGS	RW	Y	4600	C	3625	STD	00	TRQ	TZA	OPT	00	TRL	TZA	13.12	12.7	33	33	33	43.13	39.21	40.76	37.05	0.03206	0.03508	0.03189	0.03527	0.03206	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234
XJTS74	ERH	DGS	RW	Y	4600	C	3625	STD	00	TRQ	TZA	OPT	00	TRR	TZA	12.24	12.0	33	33	33	48.01	48.01	51.26	46.60	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234

\* - For DYN HP - 0.00  
Ref TO FRONTAL AREA