

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 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-9-443
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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	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
XJTP74	Classic 2WD	YES
XJTS74	Limited 2WD	YES
XJTL72	SE 2WD	YES
XJTL74	SE 2WD	YES
XJBL74	SE 2WD RHD	YES
XJLL72	SE 4WD	YES
XJH72	Sport 2WD	YES
XJH74	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
MJ=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	PRES	C	ELECTRIC	DYN	COEFFICIENTS	SET	A	B	C	ALVM	DOWN	TIME	HP	PRES	TIRE	PRES	
																														USE
XJBL74	ERH	DGS	RW	Y	4600	C	3750	C	13.70	12.2	33	33	42.30	0.03508	0.03189	0.03527	0.03206	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930
XJH72	ERH	DDD	4A	Y	4850	C	3750	C	13.41	12.8	33	33	38.45	0.03189	0.03527	0.03206	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	
XJL72	ERH	DDD	4A	Y	4850	C	3750	C	11.93	14.4	33	33	40.70	0.03206	0.03527	0.03206	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	
XJL72	ERH	DDD	4A	Y	4850	C	3750	C	11.09	14.0	33	33	50.96	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	
XJL72	ERH	DDD	4A	Y	4850	C	3750	C	12.27	14.0	33	33	66.57	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783
XJL72	ERH	DGS	4W	Y	4850	C	3750	C	11.93	14.4	33	33	45.89	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930		
XJH72	ERH	DDD	RA	Y	4550	C	3625	C	13.12	12.7	33	33	46.33	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	
XJH72	ERH	DGS	RW	Y	4550	C	3625	C	12.24	12.0	33	33	45.89	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930		
XJH72	ERH	DGS	RW	Y	4550	C	3625	C	13.12	12.7	33	33	46.33	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	
XJH72	ERH	DDD	RA	Y	4600	C	3625	C	12.24	12.0	33	33	39.21	0.03206	0.03527	0.03206	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	0.03573	0.03448	0.03783	0.03930	
XJH72	ERH	DGS	RP	Y	4600	C	3625	C	13.12	12.7	33	33	48.01	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	
XJH72	ERH	DGS	RW	Y	4600	C	3625	C	12.24	12.0	33	33	48.01	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	
XJL72	ERH	DDD	RA	Y	4550	C	3500	C	12.24	12.0	33	33	52.81	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	0.03557	
XJL72	ERH	DGS	RW	Y	4550	C	3625	C	12.95	12.2	33	33	48.01	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	0.03234	
XJL72	ERH	DGS	RW	Y	4550	C	3625	C	12.68	12.7	33	33	39.10	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	0.03206	
XJL72	ERH	DDD	RA	Y	4600	C	3625	C	13.39	12.2	33	33	40.76	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	
XJL72	ERH	DDD	RA	Y	4600	C	3625	C	13.12	12.7	33	33	37.05	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	0.03189	
XJL72	ERH	DDD	RA	Y	4600	C	3625	C	13.39	12.2	33	33	40.76	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	0.03508	

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

2000
YCRXT0242130

Chrysler Corporation
Family Tire Usage

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

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVW	TIRE	DESCRIPTION	USE YR	COD	MFG	OPT	COAST	DOWN	TIME	HP	*DYN	PRES	TIRE	F	R	TARGET A	B	C	ELECTRIC	DYN	COEFFICIENTS	SET A	B	C	ALVM	DOWN	*DYN	TIRE	HP	F	R	ETW	TIME	HP	F	R														
																																										00	TRL	TZA	13.12	12.7	33	33	43.13	0.0327					
XJTL74	ERH	DGS	RW	Y	4600	C	3625	STD	00	TM6	TZA	13.39	12.2	33	33	37.05	0.03508	0.03189	0.03527	0.03206	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	46.60	52.81	48.01	51.26	46.60	52.81	48.01	0.03206	0.03508	0.03189	0.03527	0.03206	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	46.60	52.81	48.01	51.26	46.60	52.81	48.01
XJTP74	ERH	DGS	RW	Y	4600	C	3625	STD	00	TRQ	TZA	12.69	12.1	33	33	39.21	0.03206	0.03189	0.03527	0.03206	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	46.60	52.81	48.01	51.26	46.60	52.81	48.01	0.03206	0.03508	0.03189	0.03527	0.03206	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	46.60	52.81	48.01	51.26	46.60	52.81	48.01
XJTS74	ERH	DGS	RW	Y	4600	C	3625	STD	00	TRQ	TZA	12.69	12.1	33	33	39.21	0.03206	0.03189	0.03527	0.03206	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	46.60	52.81	48.01	51.26	46.60	52.81	48.01	0.03206	0.03508	0.03189	0.03527	0.03206	0.03108	0.03557	0.03234	0.03419	0.03108	0.03557	0.03234	0.03419	46.60	52.81	48.01	51.26	46.60	52.81	48.01

* - For DYN HP = 0.00
Ref TO FRONTAL AREA

/ 10. - TP03 - 401 /

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