

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-441  
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: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: YCRXT0150120 Displacement: 2.5 Liters (150 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Three Way Catalytic Converter
- Heated Oxygen Sensors (two)
- Sequential Multiport Fuel Injection
- Warm Up Oxidation Catalytic Converter

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) TLEV 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	0.125	3.4	0.4	0.015	10.0
	100,000	0.156	4.2	0.6	0.018	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for NMOG reflect application of a 0.98 RAF for 2000 model-year TLEVs. The TLEV 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	0.070	2.8	0.1	0.001	3.9
	100,000	0.079	3.2	0.1	0.001	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer has elected to certify vehicle models listed on the attachment with load vehicle weight over 3750 pounds to the aforementioned emission standards that are applicable to 0-3750 pound loaded vehicle weight light-duty trucks.

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."

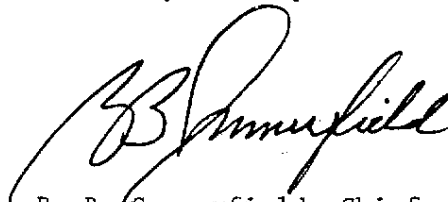
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned 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 6<sup>th</sup> day of July 1999.

A handwritten signature in black ink, appearing to read "R. B. Summerfield". The signature is written in a cursive, flowing style with a large initial "R".

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-9-44  
Page 1 of 1

Manufacturer: DaimlerChrysler Corp Exh Eng Fam: YCRXT0150120 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 X LEV ULEV SULEV US: EPA Tier-1 NLEV X  
 Veh Class(es): PC LDT1 X LDT2 X MDV1 MDV2 MDV3 MDV4 MDV5  
 Single Cert Std for Multi-Class Eng Fam: LDT1 (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) Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94  
 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 Equiv X R/L Test Proc: SHED Pt Source X  
 Engine Configuration: I-4 Displacement 2.5 Liters 150 Cubic Inches  
 Valves per Cylinder: 2 Rated Horsepower: 125 / 120 / 120 @ 5400 / 5400 / 5200 RPM  
 Engine: Front X Rear Drive: FWD RWD X 4WD-FT 4WD-PT X  
 Exhaust ECS (eg. EGR, MFI, TC, CAC): WUOC, TWC, H02S (2), ..., 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)	XJTL72 XJTL74	A3	3375	S E	56041666AC	None	52019480AG 52019480AH 52019435AB
NA-300 (CA, 49ST)	TJL77		3625	E A T	56041650AC		52101129AB 52019435AB
NM-100 (CA, 49ST)	XJTL72 XJTL74 ----- XJL72 ----- XJL74	M5	3375 ----- 3500 ----- 3625	T A C H M E N	56041662AC		52019480AG 52019480AH 52019435AB
NM-300 (CA, 49ST)	TJL77		3500	T	56041646AC		52101129AB 52019435AB
NM-500 (CA, 49ST)	AN1L61 ----- AN1L31		3750 ----- 4000		56040340AB		52103269AB 52103269AC 52021007AC

Remarks: 49ST = NLEV

Date Issued: 6/3/99

Revisions:

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: YCRXT0150120  
 Evaporative Fam: YCRXE0101G2S

Certificate #:

Model ID	Car Line	California Sales
AN1L31	Dakota Pickup 2WD	YES
AN1L61	Dakota Pickup 2WD	YES
XJTL72	SE 2WD	YES
XJTL74	SE 2WD	YES
TJL77	SE 4WD	YES
XJL72	SE 4WD	YES
XJL74	SE 4WD	YES

Model Codes  
 AN 1 L 31

1st digit: 2nd digit:  
 3=Club Cab 1=119" or 130.9" wb  
 6=Regular Cab 2=123.9" wb

Price Class

Model:

1=2 wheel drive  
 5=4 wheel drive

Body Code:

Dakota Pickup

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

2000  
YCRXT0150120

Chrysler Corporation  
Family Tire Usage

ATTACHMENT TO SDS PAGE 1  
OF EXECUTIVE ORDER A-9-441

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVW	TIRE DESCRIPTION	USE YR	COD	MFG	OPT	TIME	COAST		TIRE	COLD CO ELECTRIC DYNO COEFFICIENTS			TIRE					
												DOWN	*DYNO		ALVN	DOWN	*DYNO		ETW	TIME	HP	F	R
			C	GVW	TYPE	ETW	HP	F	R	HP	F	R	HP	F	R	HP	F	R	HP	F	R		
AN1L31	EPE	DDK	RA	Y	4900	C	4000	C	4000	STD	00	TMD	TZA	15.13	12.8	35	35	34.58	0.03619				
										OPT	00	TME	TZA	15.13	12.8	35	35	31.44	0.03290				
										OPT	00	TS1	TZA	12.86	14.3	35	35	31.44	0.03290				
										OPT	00	TS2	TZA	12.86	14.3	35	35	40.84	0.03756				
										STD	00	TMD	TZA	14.52	12.4	35	35	40.84	0.03756				
										OPT	00	TME	TZA	14.52	12.4	35	35	28.58	0.03290				
										OPT	00	TS1	TZA	12.36	13.8	35	35	31.44	0.03619				
										OPT	00	TS2	TZA	12.36	13.8	35	35	41.12	0.04132				
										STD	00	TPN	TZA	10.53	15.7	33	33	48.17	0.04401				
										STD	00	TPN	TZA	10.77	15.2	33	33	43.79	0.04001				
										OPT	00	TMW	TZA	10.49	15.9	33	33	44.01	0.04595				
										OPT	00	TMW	TZA	10.92	15.2	33	33	40.01	0.04177				
										OPT	00	TRN	TZA	10.36	16.0	33	33	36.27	0.04086				
										OPT	00	TRN	TZA	10.70	15.2	33	33	42.92	0.04137				
										STD	00	TPN	TZA	10.46	15.8	33	33	41.51	0.04551				
										STD	00	TPN	TZA	10.69	15.3	33	33	37.74	0.04148				
										OPT	00	TMW	TZA	10.43	16.0	33	33	55.25	0.04401				
										OPT	00	TRN	TZA	10.30	16.1	33	33	50.23	0.04001				
										OPT	00	TRN	TZA	10.63	15.3	33	33	52.27	0.04370				
										STD	00	TM6	TZA	11.66	13.7	33	33	47.52	0.03973				
										OPT	00	TRL	TZA	11.34	14.1	33	33	51.05	0.04595				
										OPT	00	TRN	TZA	10.30	16.1	33	33	46.41	0.04177				
										OPT	00	TRN	TZA	10.63	15.3	33	33	46.90	0.04495				
										STD	00	TM6	TZA	11.66	13.7	33	33	42.64	0.04086				
										OPT	00	TRN	TZA	10.30	16.1	33	33	49.34	0.04551				
										OPT	00	TRN	TZA	10.63	15.3	33	33	48.52	0.04563				
										STD	00	TM6	TZA	11.66	13.7	33	33	44.11	0.04148				
										OPT	00	TRL	TZA	11.34	14.1	33	33	47.66	0.03793				
										OPT	00	TRL	TZA	11.34	14.1	33	33	43.33	0.03439				
										STD	00	TM6	TZA	11.66	13.7	33	33	48.11	0.03930				
										OPT	00	TRL	TZA	11.34	14.1	33	33	43.74	0.03573				

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

/ 10. - TR01 - 400 /

Report Date: 06/03/99  
Time: 11:34:59

2000  
YCRXT0150120

Chrysler Corporation  
Family Tire Usage

ATTACHMENT TO SDS PAGE 1  
OF EXECUTIVE ORDER A-9-441

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVM	TIRE	DESCRIPTION	COAST	DOWN	*DYN	TIRE	PRE	HP	F	R	TARGET A	B	C	SET A	B	C	ALVM	DOWN	*DYN	TIRE	PRE	HP	F	R				
XJUL74	EPE	DDQ	4W	Y	4900	C	3625	C	12.01	13.7	33	33	33	33	48.47	0.03783	0.03439	0.03910	0.03573	0.03508	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206				
							STD 00 TM6 TZA																										
							OPT 00 TRL TZA																										
XJTL72	EPE	DDQ	RW	Y	4550	C	3375	C	12.70	11.9	33	33	33	33	38.28	0.03189	0.03508	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206				
							STD 00 TM6 TZA																										
							OPT 00 TRL TZA																										
XJTL72	EPE	DGD	RW	Y	4550	C	3375	C	12.18	12.0	33	33	33	33	44.02	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527			
							STD 00 TM6 TZA																										
							OPT 00 TRL TZA																										
XJTL74	EPE	DDQ	RW	Y	4600	C	3375	C	12.70	11.9	33	33	33	33	38.28	0.03189	0.03508	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527		
							STD 00 TRL TZA																										
							STD 00 TM6 TZA																										
XJTL74	EPE	DGD	RW	Y	4600	C	3375	C	12.18	12.0	33	33	33	33	44.02	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206	0.03189	0.03527	0.03206		
							STD 00 TRL TZA																										

\* - FOR DYN HP = 0.00  
REF TO FRONTAL AREA

/ 10 - TR01 - 401 /

Report Date: 06/03/99  
Time: 11:34:59