

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-391  
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 light-duty trucks:

Fuel Type: Gasoline

Engine Family: WCRXT0360211 Displacement: 5.2 Liters (318 Cubic Inches)  
5.9 Liters (360 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Heated Oxygen Sensors (two)  
Dual Heated Oxygen Sensors (5.9-Liter AN 4x2 models only)  
Three Way Catalytic Converter  
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.16	2.6	0.2	5.8
	100,000	0.17	2.9	0.25	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 non-methane organic gas (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).

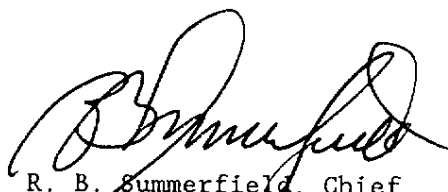
BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et 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 2nd day of July 1997.



R. B. Summerfield, Chief  
Mobile Source Operations Division

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

E.O. # A-9-391  
Page 1 of 2

Manufacturer: Chrysler Corporation Exh Eng Fam: WCRXT0360211 Evap Fam: WCRXE0101G2H  
 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   
 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  Other (specify) \_\_\_\_\_  
 Emis Test Fuel(s): Indo  CBG  CNG  LPG  M85  Other(specify) \_\_\_\_\_  
 Diesel: 13 CCR 2282  or 40 CFR 86.113-90  or 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 Proce: SHED  Pt Source   
 Engine Configuration: V-8 Displacement: 5.2/5.9 Liters 318/360 Cubic Inches  
 Valves per Cylinder: 2 Rated HP: 220/235 @ 4400/4000 RPM  
 Engine: Front  Mid  Rear  Drive: FWD  RWD  4WD-FT  4WD-PT   
 Exhaust ECS (eg., EGR, MFI, TC, CAC): HO2S(2) (5.2L AN/ZJ & 5.9L ZJ/AN 4X4), 2HO2S, HO2S(2)  
(5.9L AN 4X2), TWC, SFI, OBD II  
 (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.
CA-100 (CA)	AN1L61 AN1L62	A4	4000	S E E  A T T A C H M E N T	56046327AB	--	52103192AA
	AN1L31		4250				
CA-200 (CA)	AN1L61	A4	4000		56046333AB	--	52103364
	AN1L31		4500				
CA-300 (CA)	AN5L61	A4	4250		56046328AB	--	5210324AA
	AN5L31 AN5L62		4500				52103238AA
CA-400 (CA)	AN5L61	A4	4500	56046334AB	--	52103238AA	
	AN5L31		4750				

Date Issued: 05/22/97

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

TG02-SDS/98

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

Manufacturer: Chrysler Corporation Exh Eng Fam: WCRXT0360211 Evap Fam: WCRXF0101G2H

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.
CA-500 (CA)	ZJL74	A4	4250	S E E  A T T A C H M E N T	56041517AB	--	52019482AB
CA-600 (CA)	ZJL74		4500		56041538AC	--	
CA-700 (CA)	ZJL74		4250		56041518AB	--	
CM-100 (CA)	AN1L61 AN1L62	M5	4000		56046329AB	--	52103192AA
	AN1L31		4250			--	
CM-200 (CA)	AN5L61		4250			--	52103214AA
	AN5L62 AN5L31		4500			--	52103238AA

Date Issued: 05/22/97

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



LOADED VEHICLE WEIGHT

ADJUSTED LOADED VEHICLE WGT

MODEL	ENG	TRANS	A	MKT	LWM	TIRE DESCRIPTION	USE	YR	COD	MFG	OPT	COAST	DOMIN	*DYNO	TIRE	TIRE PRES	TARGET A	C	COLD CO	ELECTRIC	DYNO	COEFFICIENTS	SET A	B	C	ALWM	DOWN	COAST	TIRE										
			C	GW	TYPE	ETH						TIME	TIME	HP	F	R	(LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)					IS	IS	IS	50	DEG	WHEN	NEEDED)	ETW	TIME	HP	F	R						
AN5L61	ELF	DDC	4W	Y	5350	C	4250					13.03	15.0	35	35	70.06		0.04248	50.23	-1.6280	0.05737																		
							OPT 98 TWT TZA					13.69	14.3	35	35																								
							STD 98 TMD TZA					12.94	15.1	35	35																								
							OPT 98 TS1 TZA					12.94	15.1	35	35																								
							OPT 98 TS2 TZA					12.75	14.8	35	35																								
AN5L61	ELF	DGW	4W	Y	5350	C	4250					13.11	14.4	35	35																								
							STD 98 TMD TZA					12.42	15.2	35	35																								
							OPT 98 TS1 TZA					12.42	15.2	35	35																								
							OPT 98 TS2 TZA					12.24	15.0	35	35																								
AN5L61	EML	DGT	4W	Y	5480	C	4500					13.46	14.5	35	35																								
							STD 98 TMD TZA					12.76	15.3	35	35																								
							OPT 98 TS1 TZA					12.60	15.0	35	35																								
							OPT 98 TS2 TZA					12.76	15.3	35	35																								
AN5L62	ELF	DDC	4W	Y	5400	C	4250					12.60	15.0	35	35																								
							STD 98 TMD TZA					13.69	14.3	35	35																								
							OPT 98 TS1 TZA					12.94	15.1	35	35																								
							OPT 98 TS2 TZA					12.94	15.1	35	35																								
AN5L62	ELF	DGW	4W	Y	5400	C	4500					12.75	14.8	35	35																								
							STD 98 TMD TZA					13.81	14.5	35	35																								
							OPT 98 TS1 TZA					13.08	15.3	35	35																								
							OPT 98 TS2 TZA					13.08	15.3	35	35																								
ZJL74	ELF	DGW	4W	Y	5500	C	4250					12.90	15.0	35	35																								
							STD 98 TRT TZA					13.92	12.7	36	36																								
							OPT 98 TRD TZA					13.80	12.6	36	36																								
							OPT 98 TRH TZA					13.92	12.5	36	36																								
							OPT 98 TRL TZA					14.38	12.4	36	36																								
							OPT 98 TRP TZA					13.80	12.6	36	36																								
ZJL74	EML	DGT	4W	Y	5500	C	4500					13.46	12.6	36	36																								
							STD 98 TRD TZA					14.11	12.7	36	36																								
							OPT 98 TRP TZA					14.11	12.7	36	36																								
ZJL74	ELF	DGW	RW	Y	5200	C	4250					15.56	12.0	36	36																								
							STD 98 TRT TZA					15.18	11.7	36	36																								
							OPT 98 TRH TZA					15.20	12.1	36	36																								
							OPT 98 TRL TZA					15.43	12.4	36	36																								
							OPT 98 TRP TZA					15.18	11.7	36	36																								

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

TIRE DESCRIPTION YR COD MFG OPT NAME	SIZE	RPM	CONSTRUCTION COD TREAD MATERIAL	P L Y SH	SIDEWALL MATERIAL	P OVERLAY		TREAD DEPTH (IN.)	
						L Y	MATERIAL	P L	X Y
98 TMD TZA	P215/75R15	755	SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	0	10
98 THE TZA	P215/75R15	755	SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	10
98 TRD TZA	P225/70R16	730	SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	10
98 TRH TZA	P225/70R16	734	SBR 2-Steel/2-Polyester]	4	OML Polyester	2	None	0	10
98 TRL TZA	P225/75R15	734	SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	10
98 TRP TZA	P225/70R16	730	SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	0	13
98 TRT TZA	P225/75R15	735	SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	10
98 TS1 TZA	P235/75R15	719	SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	0	10
98 TS2 TZA	P235/75R15-XL	719	SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	0	13
98 TSH TZA	P235/70R15	746	SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	13
98 TUT TZA	31X10.5R15LT	684	SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	11
98 TYR TZA	P245/70R15	728	SBR 2-Steel/2-Polyester	4	OML Polyester	2	None	0	13

/ 10. - TG02 - 402 /

Report Date: 05/10/97  
Time: 15:35:34

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER  
 Engine Family: WCRXT0360211  
 Evaporative Fam: WCRXE0101G2H

Certificate #: Attachment to SDS Pg. 4 of 4  
 of Executive Order # A-9-391

Model ID	Car Line	California Sales
AN1L31	Dakota Pickup 2WD	YES
AN1L61	Dakota Pickup 2WD	YES
AN1L62	Dakota Pickup 2WD	YES
AN5L31	Dakota Pickup 4WD	YES
AN5L61	Dakota Pickup 4WD	YES
AN5L62	Dakota Pickup 4WD	YES
ZJTL74	Grand Cherokee 2WD	YES
ZJLL74	Grand Cherokee 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  
 ----- Trim Level  
 L=Covers all trim levels  
 ----- 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  
 YJ=Wrangler  
 ZJ=Grand Cherokee