Fuels

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-325-A
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 1996 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: TCR31828G1EL Displacement: 5.2 Liters (318 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Heated Oxygen Sensors (two)
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 (in-use compliance standards in parentheses) for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.32 (0.41)	4.4 (6.7)	0.7 (0.7)	12.5 (12.5)
	100,000	0.40 (n/a)	5.5 (n/a)	0.97 (n/a)	n/a

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

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.20	2.9	0.1	7.5
	100,000	0.22	3.3	0.13	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, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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 the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 20 percent of the manufacturer's projected sales of 1996 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced 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 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 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)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 20th day of May 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O. # A-9-325-A
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1996 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: TCR31828G1EL Evap Fam: TCR1098AYP1B
All Eng Codes in Eng Fam: CA X 49S ____ 50S ____ AB965 ____
Exh Std: CA Tier-1 X TLEV ____ LEV ____ ULEV ____ ZEV ____; US EPA Tier-1 X
Evap Std: 50K ____ Useful Life with R/L X In-Use Exh Std: Full In Use ___ Alt In Use X
Veh Class(es): PC ___ LDT1 ___ LDT2 X 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 ___ Other (specify) ____
Emis Test Fuel(s): Indo ___ Ph2 X CNG ___ LPG ___ M85 ___ Other(specify) ____
Diesel: 13 CCR 2282 ___ or 40 CFR 86.113-90 ___ or 40 CFR 86.113-94 ___
Service Accum: Std AMA ___ Mod AMA X Mfr ADP ___ Other (Specify) ____
NMOG Test Procedure: N/A X Std ___ Equiv ___ R/L Test Proce: SHED ___ Pt Source X
Hybrid: Type A ___ B ___ C ___, APU Cycle (e.g., Otto, Diesel, Turbine) Otto
Engine Configuration: V-8 Displacement: 5.2 Liters 318 Cubic Inches
Valves per Cylinder: 2 Rated HP: 220 @ 4400 RPM
Engine: Front X Mid ___ Rear ___ Drive: FWD ___ RWD ___ 4WD-FT ___ 4WD-PT X
Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC, SFI, HO2S(2), ~~OBD-II~~
(use abbreviations per SAE J1930 SEP91)

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-104 (CA)	ZJJL74	A4	4500	SEE ATTACHMENT	$56041369		52019482

Issued: 06/22/95
Revisions: REVISE ZJ MODELS TO STRICTER EVAP, ADD NEW PCM 04/15/96

TG02-SDS/96

MODELS COVERED BY CERTIFICATE

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for Executive Order A-9-325-A

Vehicle MFR: CHRYSLER

Engine Family: TCR31828G1EL
Evaporative Fam: TCR1098AYP1B

Certificate #:

Model ID	Car Line	California Sales
ZJJL74	Grand Cherokee 4WD	YES

Model Codes
XJ J L 74

- 74 — Body Style
  - 72=2 door
  - 74=4 door
  - 77=open
- L — Trim Level
  - L=Covers all trim levels
- J — 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
- XJ — Car Line
  - XJ=Cherokee
  - YJ=Wrangler
  - ZJ=Grand Cherokee

1996
TCR31828Q1EL

Chrysler Corporation
Family Tire Usage

Attachment to SDS Pg 1 of 2
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MODEL	ENG	TRANS	A/C	GVW	MKT TYPE	LVW	TIRE DESCRIPTION USE	YR	COD	MFG	OPT	LOADED VEHICLE WEIGHT: COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R	COLD CO ELECTRIC DYNO COEFFICIENTS (LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED): TARGET A	TARGET B	TARGET C	SET A	SET B	SET C	ADJUSTED LOADED VEHICLE WGT: ALVW	COAST DOWN TIME	*DYNO HP	TIRE PRES F	TIRE PRES R
AN1L31	ELF	8DC	RW Y	5210	C	4250	STD	96	TNC	TZA		15.06	13.9	30	35										
							OPT	96	TMD	TZA		15.06	13.9	30	35										
							OPT	96	TME	TZA		15.06	13.9	30	35										
							OPT	96	TMK	TZH		14.61	13.4	35	35				20.04	-0.3454	0.03921					
							OPT	96	TPF	TZA		15.06	13.9	30	35										
							OPT	96	TPF	TZH		14.59	13.1	30	35										
AN1L31	ELF	8QT	RW Y	5210	C	4250	STD	96	TMK	TZH		13.68	13.3	35	35										
							OPT	96	TMD	TZA		14.06	13.8	35	35										
							OPT	96	TME	TZA		14.06	13.8	35	35										
AN1L61	ELF	8DC	RW Y	4770	C	3875	STD	96	TNC	TZA		14.09	13.5	30	35										
							OPT	96	TMD	TZA		14.09	13.5	30	35										
							OPT	96	TME	TZA		14.09	13.5	30	35										
							OPT	96	TPF	TZA		14.09	13.5	30	35										
							OPT	96	TPF	TZH		14.10	12.8	30	35										
AN1L61	ELF	8QT	RW Y	4770	C	4000	STD	96	TNC	TZA		13.31	13.9	30	35										
							OPT	96	TMD	TZA		13.31	13.9	30	35										
							OPT	96	TME	TZA		13.31	13.9	30	35										
							OPT	96	TMK	TZH		12.96	13.4	30	35										
							OPT	96	TPF	TZA		13.31	13.9	30	35										
							OPT	96	TPF	TZH		13.23	13.0	30	35										
AN1L62	ELF	8DC	RW Y	4840	C	4000	STD	96	TNC	TZA		14.38	13.8	30	35										
							OPT	96	TMD	TZA		14.38	13.8	30	35										
							OPT	96	TME	TZA		14.38	13.8	30	35										
							OPT	96	TMK	TZH		13.98	13.3	30	35										
							OPT	96	TPF	TZA		14.38	13.8	30	35										
							OPT	96	TPF	TZH		14.31	13.0	30	35										
AN1L62	ELF	8QT	RW Y	4840	C	4000	STD	96	TNC	TZA		13.31	13.9	30	35										
							OPT	96	TMD	TZA		13.31	13.9	30	35										
							OPT	96	TME	TZA		13.31	13.9	30	35										
							OPT	96	TPF	TZA		13.31	13.9	30	35										
							OPT	96	TPF	TZH		13.23	13.0	30	35										
ZJJL74	ELF	8QW	4W Y	5500	C	4500	STD	96	TRT	TZA		13.70	13.1	36	36										
							OPT	96	TRD	TZA		13.57	13.8	36	36										
							OPT	96	TRH	TZA		13.41	13.4	36	36										
							OPT	96	TRM	TZA		14.20	13.0	36	36										
							OPT	96	TYR	TZA		13.60	13.4	36	36										

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

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Time: 07:42:04

1996
TCR31828Q1EL

Chrysler Corporation
FAMILY TIRE DESCRIPTION

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TIRE DESCRIPTION YR	COD	MFG	OPT	NAME		SIZE	RPM	CONSTRUCTION COD	TREAD MATERIAL	PLY	SW	SIDEWALL MATERIAL	PLY	OVERLAY MATERIAL	PLY	TREAD DEPTH (IN.) X 1/32
96	TMD	TZA		INVICTA-GL	(A/S)	P215/75R15	755	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None		10
96	TME	TZA		INVICTA-GL	(A/S)	P215/75R15	755	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None		10
96	TMK	TZH		XCH4	(A/S)	LT215/75R15-D	762	SBR	2-STEEL/2-POLYESTER	4	BSW	Polyester	2	None		11
96	TNC	TZA		INVICTA-G	(A/S)	P195/75R15	781	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None		10
96	TPF	TZA		INVICTA-GL	(A/S)	P205/75R15	770	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None		10
96	TPF	TZH		XW4		P205/75R15	770	SBR	2-Steel/1-Polyester	3	BSW	Polyester	1	None		10
96	TRD	TZA		WRANGLER HP	(H/S)	P225/70R16	730	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None		10
96	TRH	TZA		EAGLE-LS	(A/S)	P225/70R16	734	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None		10
96	TRN	TZA		WRANGLER	(A/T)	P225/75R15	733	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None		13
96	TRT	TZA		WRANGLER AP	(A/S)	P225/75R15	735	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None		10
96	TYR	TZA		WRANGLER OSA	(A/T)	P245/70R15	728	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None		13

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