

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-332
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 Orders G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Chrysler Corporation exhaust emission control systems are certified as described below for medium-duty vehicles:

Emission Standard Category: Ultra-Low Emission Vehicle (ULEV)

Fuel Type: Compressed Natural Gas (CNG)

Engine Family: TCR5.258C7JK Displacement: 5.2 Liters (318 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way plus Oxidation Catalytic Converter
Heated Oxygen Sensor
Sequential Multiport Fuel Injection

Vehicle models, transmissions, and engine codes are listed on attachments.

The ULEV 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 Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
3751-5750	50,000	0.100	2.2	0.4	0.009
	120,000	0.143	3.2	0.5	0.013

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a reactivity adjustment factor (RAF) for CNG-fueled medium-duty ULEVs, and the addition of the product of the methane exhaust emission value and a RAF for methane emission of CNG-fueled medium-duty ULEVs.

BE IF FURTHER RESOLVED: That, as of the date of this order, the Air Resources Board has not proposed or adopted a RAF for medium-duty ULEVs operated on CNG, or a methane RAF for such vehicles. Based on available data and analysis, there is a strong likelihood that the initially adopted RAF for such vehicles will be less than 1.000, and the initially adopted methane RAF for such vehicles will be less than the numerical value of the maximum incremental reactivity of methane (0.0148). With the consent of the manufacturer, which has been provided, the applicable RAF and methane RAF for the listed engine family shall be treated for all purposes relating to this certification as:

Reactivity Adjustment Factor for NMOG Mass Emission: 1.000

Reactivity Adjustment Factor for Methane Mass Emission: 0.0148

The ULEV 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 Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
3751-5750	50,000	0.027	1.1	0.3	0.002
	120,000	0.035	1.3	0.4	0.002

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).

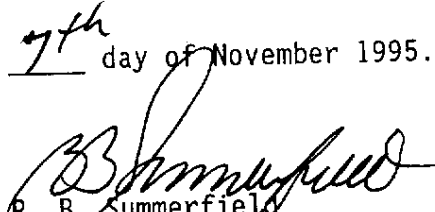
BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(5.1) ("Malfunction and Diagnostic System Requirements--1994 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 7th day of November 1995.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1996 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O. # A-9-332
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Manufacturer: Chrysler Corporation Exh Eng Fam: TCR5.258C7JK Evap Fam: TCR500QWYCBA
 1 Eng Codes in Eng Fam: CA 49S 50S X AB965
 Exh Std: CA Tier-1 TLEV LEV ULEV X ZEV ; US EPA Tier-1
 Evap Std: 50K N/A Useful Life with R/L In-Use Exh Std: Full In Use Alt In Use X
 Veh Class(es): PC LDT1 LDT2 MDV1 MDV2 X MDV3 X MDV4 MDV5
 Single Cert Std for Multi-Class Eng Fam: MDV2 (Specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
 Fuel Type(s): Dedicated X Flex-Fuel Dual-Fuel Bi-Level Gasoline Diesel
 CNG X LNG LPG M85 Other (specify)
 Emis Test Fuel(s): Indo Ph2 CNG X 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 Std Equip X R/L Test Proce: SHED Pt Source
 Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine)
 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 X 4WD-FT 4WD-PT
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC+OC, HO2S, OBD II, SFI
 (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-100 [†] (50ST)	AN1L62	A4	5250	S E E A T T A C H E D	56040109	--	52021071
	AB2L12		5500				
	AB2L13						
	AB2L52						
	BR1L62						
	AB2L53		6000				
FA-100 (50ST)	AN1L62		5250		56040109	--	52021071
	AB2L12		5500				
	AB2L13						
	AB2L52						
	BR1L62						
	AB2L53		6000			--	

† Test weights reflect ALVW.

Date Issued: 10/19/95

Revisions: _____

Chrysler Corporation
 Family Tire Usage

1996
 ICR5.258C7JK

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LW	TIRE DESCRIPTION	COAST	TIRE		COLD CO	ELECTRIC DYND COEFFICIENTS			ALVW	COAST	TIRE					
								DOWN	*DYNO		TARGET A	B	C			SET A	B	C	DOWN	*DYNO	F
ELN	DGT	RW	Y	6400	C	4750	USE YR	HP	F	R	1 IS	20 DEG	COEFFS.	LINE 2	IS	50 DEG	WHEN NEEDED)	HP	F	R	
AB2L12	ELN	DGT	RW	Y	6400	C	4750	STD 96	TSC	TZA	13.43	16.6	35	35	5500	14.90	15.8	35	35		
								OPT 96	TSD	TZH	13.72	16.0	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	13.43	18.6	35	35		14.90	15.8	35	35		
								OPT 96	TSD	TZH	13.72	16.0	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	13.43	18.6	35	35		14.90	15.8	35	35		
								OPT 96	TSF	TZH	13.72	16.0	35	35		15.28	15.4	35	35		
AB2L12	ELN	DGT	RW	Y	6400	F	4750	STD 96	TSC	TZA	13.43	16.6	35	35	5500	14.90	15.8	35	35		
								OPT 96	TSD	TZH	13.72	16.0	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	13.43	18.6	35	35		14.90	15.8	35	35		
								OPT 96	TSD	TZH	13.72	16.0	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	13.43	18.6	35	35		14.90	15.8	35	35		
								OPT 96	TSF	TZH	13.72	16.0	35	35		15.28	15.4	35	35		
AB2L13	ELN	DGT	RW	Y	6400	C	5250	STD 96	TSC	TZA	14.34	16.2	35	35	5500	14.90	15.8	35	35		
								OPT 96	TSD	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	14.34	16.2	35	35		14.90	15.8	35	35		
								OPT 96	TSD	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	14.34	16.2	35	35		14.90	15.8	35	35		
								OPT 96	TSF	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
AB2L13	ELN	DGT	RW	Y	6400	F	5250	STD 96	TSC	TZA	14.34	16.2	35	35	5500	14.90	15.8	35	35		
								OPT 96	TSD	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	14.34	16.2	35	35		14.90	15.8	35	35		
								OPT 96	TSD	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	14.34	16.2	35	35		14.90	15.8	35	35		
								OPT 96	TSF	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
AB2L52	ELN	DGT	RW	Y	6400	C	5250	STD 96	TSC	TZA	14.34	16.2	35	35	5500	14.90	15.8	35	35		
								OPT 96	TSD	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	14.34	16.2	35	35		14.90	15.8	35	35		
								OPT 96	TSD	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	14.34	16.2	35	35		14.90	15.8	35	35		
								OPT 96	TSF	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
AB2L52	ELN	DGT	RW	Y	6400	F	5250	STD 96	TSC	TZA	14.34	16.2	35	35	5500	14.90	15.8	35	35		
								OPT 96	TSD	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	14.34	16.2	35	35		14.90	15.8	35	35		
								OPT 96	TSD	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
								OPT 96	TSF	TZA	14.34	16.2	35	35		14.90	15.8	35	35		
								OPT 96	TSF	TZH	14.74	15.5	35	35		15.28	15.4	35	35		
AB2L53	ELN	DGT	RW	Y	6400	C	5500	STD 96	TSC	TZA	14.82	16.2	35	35	6000	15.86	15.4	35	35		
								OPT 96	TSD	TZH	15.27	15.5	35	35		16.29	14.9	35	35		
								OPT 96	TSF	TZA	14.82	16.2	35	35		15.86	15.4	35	35		
								OPT 96	TSD	TZH	15.27	15.5	35	35		16.29	14.9	35	35		
								OPT 96	TSF	TZA	14.82	16.2	35	35		15.86	15.4	35	35		
								OPT 96	TSF	TZH	15.27	15.5	35	35		16.29	14.9	35	35		
AB2L53	ELN	DGT	RW	Y	6400	F	5500	STD 96	TSC	TZA	14.82	16.2	35	35	6000	15.86	15.4	35	35		

Report Date: 09/14/95
 Time: 10:03:04

/ 10. - TK60 - 400 /

* - For DYNO HP = 0.00
 Ref to FRONTAL AREA

Chrysler Corporation.
 Family Tire Usage

1996
 FCR5.258C7JK

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	TIRE DESCRIPTION	COAST	TIRE			*DYNO	COLD CO ELECTRIC DYNO COEFFICIENTS			ALYW	COAST	TIRE									
							HP	F	R		DOWN	TARGET A	B			C	DOWN	*DYNO	PRES						
			C	GYW	TYPE	LVW	HP	F	R	HP	IS	20	DEG	COEFFS.	LINE	2	IS	50	DEG	WHEN	NEEDED	HP	F	R	
					OPT 96 TSC TZH	15.27	15.5	35	35						16.29	14.9	35	35							
					OPT 96 TSD TZA	14.82	16.2	35	35						15.88	15.4	35	35							
					OPT 96 TSD TZH	15.27	15.5	35	35						16.29	14.9	35	35							
					OPT 96 TSF TZA	14.82	16.2	35	35						15.88	15.4	35	35							
					OPT 96 TSF TZH	15.27	15.5	35	35						16.29	14.9	35	35							
					STD 96 TMK TZH	14.60	13.7	35	35						16.03	12.0	30	35							
AN1L62	ELN	DGT	RW	Y	6260	C	4500							5250											
AN1L62	ELN	DGT	RW	Y	6260	F	4500							5250											
BR1L62	ELN	DGT	RW	Y	6400	C	5250							5500											
					OPT 96 TYF TZA	15.14	16.0	35	35						15.67	15.5	35	35							
					OPT 96 TYG TZA	15.14	16.0	35	35						15.67	15.5	35	35							
					STD 96 TRY TZA	15.14	16.0	35	35						15.67	15.5	35	35							
BR1L62	ELN	DGT	RW	Y	6400	F	5250							5500											
					OPT 96 TYF TZA	15.14	16.0	35	35						15.67	15.5	35	35							
					OPT 96 TYG TZA	15.14	16.0	35	35						15.67	15.5	35	35							

Report Date: 09/14/95
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* - For DYNO HP = 0.00
 Ref To FRONTAL AREA

Chrysler Corporation
FAMILY TIRE DESCRIPTION

TIRE DESCRIPTION YR COD MFG OPT NAME	SIZE	CONSTRUCTION RPM COD TREAD MATERIAL	P		L		P		L		TREAD DEPTH P (IN.)
			Y	SW	Y	SW	Y	SW	Y	SW	
96 TMK TZH XCH4	LT215/75R15-D	752 SBR 2-STEEL/2-POLYESTER	4	BSW	4	BSW	2	None	2	None	11
96 TRY TZA WRANGLER AP	P225/75R16-XL	711 SBR 2-Steel/2-Polyester	4	BSW	4	BSW	2	None	2	None	11
96 TSC TZA INVICTA-GL	P235/75R15-XL	724 SBR 2-Steel/2-Polyester	4	BSW	4	BSW	2	Nylon	2	Nylon	10
96 TSC TZA XW4	P235/75R15-XL	720 SBR 2-Steel/2-Polyester	4	BSW	4	BSW	2	None	2	None	10
96 TSD TZA INVICTA-GL	P235/75R15-XL	724 SBR 2-Steel/2-Polyester	4	MSW	4	MSW	2	Nylon	2	Nylon	10
96 TSD TZA XW4	P235/75R15-XL	720 SBR 2-Steel/2-Polyester	4	MSW	4	MSW	2	None	2	None	10
96 TSF TZA INVICTA-GL	P235/75R15-XL	724 SBR 2-Steel/2-Polyester	4	OWL	4	OWL	2	Nylon	2	Nylon	10
96 TSF TZA XW4	P235/75R15-XL	720 SBR 2-Steel/2-Polyester	4	OWL	4	OWL	2	None	2	None	10
96 TYF TZA WRANGLER AP	P245/75R16	687 SBR 2-Steel/2-Polyester	4	BSW	4	BSW	2	None	2	None	12
96 TYG TZA WRANGLER AP	P245/75R16	687 SBR 2-Steel/2-Polyester	4	OWL	4	OWL	2	None	2	None	12

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MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER Engine Family: ICR5.258C7JK Certificate #: _____
 Evaporative Fam: ICR5000WYCBA

Model ID	Car Line	California Sales
AN1L62	Dakota Pickup 2WD	YES
BR1L62	Ram 1500 Pickup 2WD	YES
AB2L12	Ram Van 2500 2WD	YES
AB2L13	Ram Van 2500 2WD	YES
AB2L52	Ram Wagon 2500 2WD	YES
AB2L53	Ram Wagon 2500 2WD	YES

Model Codes	1st digit:	2nd digit:	Price Class	Model:	Body Code:
BR 2 L 62	3=Club Cab 6=Regular Cab	1=119" or 139" wb 2=135" or 155" wb 3=139" wb Chassis Cab 4=163" wb Chassis Cab	L=Covers all trim levels C=Chassis Cab	1=1500 2=2500 3=3500	Ram Pickup Ran Club Cab Ran Chassis Cab
AB 1 L 11	1=Van 5=Wagon	1=108.6" wb 2=127.6" wb 3=127.6" maxi wb	1=B1500 2=B2500 3=B3500	Vans Wagons	
AN 1 L 31	3=Club Cab 6=Regular Cab	1=119" or 130.9" wb 2=123.9" wb	1=2 wheel drive 5=4 wheel drive	Dakota Pickup	