

File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-355
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 1997 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: VCR15018G1EK Displacement: 2.5 Liters (150 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 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>
0-3750	50,000	0.25	3.4	0.4	10.0
	100,000	0.31	4.2	0.6	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>
0-3750	50,000	0.12	1.2	0.3	2.8
	100,000	0.15	1.4	0.4	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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

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 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 27th day of June 1996.



R. E. Summerfield
Assistant Division Chief
Mobile Source Division

1997 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: VCR15018G1EK Evap Fam: VCR1049AYPON
 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 _____
 Evap Std: 50K X Useful Life with R/L _____ In-Use Exh Std: Full In Use X Alt In Use _____
 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 _____ 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 _____
 Hybrid: Type A _____ B _____ C _____, APU Cycle (e.g., Otto, Diesel, Turbine) _____
 Engine Configuration: I-4 Displacement: _____ / 2.5 Liters _____ / 150 Cubic Inches
 Valves per Cylinder: 2 Rated HP: _____ 125 & 120 @ 5400 & 5400 RPM
 Engine: Front X Mid _____ Rear _____ Drive: FWD _____ RWD X 4WD-FT _____ 4WD-PT X
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC, HO2S(2), 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 (ECH/PCH) Part No.	EGR System Part No.	Catalyst Converter Part No.
CM-100 (CA)	XJTL72	M5	3375	S E E A T T A C H E D	56041268	None	52101221
	XJTL74						
	XJL72		3500				
CM-400 (CA)	XJL74		3625				
	TJL77		3375		56041305		52018933
CA-400 (CA)	FJL77	A3	3500		56041309		

Date Issued: 04-12-96

Revisions: _____

VEHICLE MODELS/CARLINE

Engine Family: VCR15018G1EK
Evaporative Family: VCR1049AYPON
Exhaust Control System: TWC, HO2S(2), OBD II, SFI
Evap. Control System: Canister
Engine Displacement: 2.5L

Carline	Model Code
Jeep® Cherokee 4WD	XJL72, XJL74
Jeep® Cherokee 2WD	XJTL72, XJTL74
Jeep® Wrangler 4WD	TJL77

REPORT DATE: 04-12-96

ATTACHMENT TO SDS PAGE 1A
OF EXECUTIVE ORDER A-9-355

1997
VCR15018G1EK

Chrysler Corporation
Family Tire Usage

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A C	MKT GVW TYPE LVM	TIRE DESCRIPTION USE YR COD MFG OPT	COAST DOWN *DYNO TIME HP	TIRE PRES F R	COLD CO ELECTRIC DYNO COEFFICIENTS (LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)								
								TARGET A	B	C	SET A	B	C			
TJJL77	EPE	DDQ	4B	N 4360	C 3375	STD 97 TMS TZA	10.98	14.9	33	33						
						OPT 97 TMS TZA VKO	11.38	14.2	33	33						
						OPT 97 TMW TZA	10.98	14.9	33	33						
						OPT 97 TMW TZA VKO	11.38	14.2	33	33						
						OPT 97 TPN TZA	10.98	14.9	33	33						
						OPT 97 TPN TZA VKO	11.38	14.2	33	33						
						OPT 97 TRN TZA	10.68	14.9	33	33						
						OPT 97 TRN TZA VKO	11.06	14.3	33	33						
TJJL77	EPE	DGD	4A	N 4360	C 3500	STD 97 TMS TZA	10.40	15.1	33	33						
						OPT 97 TMS TZA VKO	10.74	14.4	33	33						
						OPT 97 TMW TZA	10.40	15.1	33	33						
						OPT 97 TMW TZA VKO	10.74	14.4	33	33						
						OPT 97 TPN TZA	10.40	15.1	33	33						
						OPT 97 TPN TZA VKO	10.74	14.4	33	33						
						OPT 97 TRN TZA	10.14	15.1	33	33	55.98		0.04901	49.38	-1.5094	0.06195
						OPT 97 TRN TZA VKO	10.46	14.5	33	33						
XJJL72	EPE	DDQ	4W	Y 4850	C 3500	STD 97 TM6 TZA	11.63	14.0	33	33						
						OPT 97 TRL TZA	11.20	13.6	33	33						
XJJL74	EPE	DDQ	4W	Y 4900	C 3625	STD 97 TM6 TZA	11.99	14.0	33	33						
						OPT 97 TRL TZA	11.55	13.6	33	33	59.39		0.03687	37.58	-0.4847	0.0377
XJTL72	EPE	DDQ	RW	Y 4550	C 3375	STD 97 TM6 TZA	12.51	12.9	33	33						
						OPT 97 TRL TZA	12.03	12.6	33	33						
XJTL74	EPE	DDQ	RW	Y 4600	C 3375	STD 97 TM6 TZA	12.51	12.9	33	33						
						OPT 97 TRL TZA	12.03	12.6	33	33						

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REPORT DATE: 04-12-96

1997 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer: Chrysler Corporation Exh Eng Fam: VCR15018G1EK Evap Fam: VCR1090AYPON
 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
 Evap Std: 50K X Useful Life with R/L In-Use Exh Std: Full In Use X Alt In Use
 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 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
 Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine)
 Engine Configuration: I-4 Displacement: / 2.5 Liters / 150 Cubic Inches
 Valves per Cylinder: 2 Rated HP: 120 @ 5200 RPM
 Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC, HO2S(2), 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.
CM-500 (CA)	AN1L61 AN1L62	M5	3625	S E E A T T A C H E D	56040022 56040129	None	52021069

Date Issued: 04-12-96

Revisions: _____

VEHICLE MODELS/CARLINE

Engine Family: VCR15018G1EK
Evaporative Family: VCR1090AYPON
Exhaust Control System: TWC, HO2S(2), OBD-II, SFI
Evap. Control System: Canister
Engine Displacement: 2.5L

Carline	Model Code
Dodge Dakota Pickup 2WD	AN1L61, AN1L62

REPORT DATE: 04-12-96

ATTACHMENT TO SDS PAGE 2A
 OF EXECUTIVE ORDER A-9-355

1997
 VCR15018G1EK

Chrysler Corporation
 Family Tire Usage

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A C	MKT GVW	TYPE	LVW	TIRE DESCRIPTION USE YR COD MFG OPT	COAST		TIRE		COLD CO ELECTRIC DYNO COEFFICIENTS							
								DOWN TIME	*DYNO HP	PRES P	R	TARGET A	B	C	SET A	B	C		
-----													(LINE 1 IS 20 DEG COEFFS, LINE 2 IS 50 DEG WHEN NEEDED)			-----			
AN1L61	EPE	DDQ	RA	Y	4480	C	3625	STD 97 TMD TZA	13.41	12.9	35	35							
								OPT 97 TME TZA	13.41	12.9	35	35							
								OPT 97 TPF TZA	13.20	13.6	35	35							
								OPT 97 TS1 TZA	12.41	13.9	35	35							
								OPT 97 TSH TZA	12.11	13.8	35	35							
AN1L62	EPE	DDQ	RA	Y	4570	C	3625	STD 97 TMD TZA	13.41	12.9	35	35							
								OPT 97 TME TZA	13.41	12.9	35	35							
								OPT 97 TPF TZA	13.20	13.6	35	35							
								OPT 97 TS1 TZA	12.41	13.9	35	35							
								OPT 97 TSH TZA	12.11	13.8	35	35							

REPORT DATE: 04-12-96