State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-185
Relating to Certification of New Motor Vehicles

CHRYSLER MOTORS 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-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1989 model-year Chrysler Motors Corporation emission control systems are certified as described below for gasoline-powered light-duty truck:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
KCR2.5T5FBH0	2.5 (152)	Three-Way Catalyst Exhaust Gas Recirculation Heated Oxygen Sensor (Central Fuel Injection) (On-Board Diagnostics)

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

The following are the emission standards for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0 - 3750	0.39	9.0	1.0
3751 - 5750	0.50	9.0	1.0

The following are the certification emission values for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0 - 3750	0.13	4.1	0.4
3751 - 5750	0.10	3.1	0.4

BE IT FURTHER RESOLVED: That the listed models (in the 0-3750 lbs. loaded vehicle weight class) are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifing (the listed models in the 0-3750 lbs. loaded vehicle weight class) to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "in lieu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, Section 1968) 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 regulations (Title 13, California Administrative Code, Section 2035 et seq.) and (for the listed vehicle models in the 0-3750 lbs. loaded vehicle weight class) with the 2 year/24,000 mile warranty provisions of Health and Safety Code Section 43204.

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 13th day of January, 1988.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-9-185

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR2.5T5FBHO

Evaporative Family KCRTF & KCRTA Engine Type SOHC 4

Liters (CID) 2.5 (152)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
ECU-Electronic Control Unit
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection - Pump
AIV-Air Injection - Valve
EGR-Exhaust Gas Recirculation
EIC-Electronic Injection Control (Diesel Only)
EM-Engine Modification
SPL-Smoke Puff Limiter or Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
DBC-Dual Bed Catalyst
OC-Oxidation Catalyst
TWC-Three-Way Catalyst
WUOC-Warm-Up Oxidation Catalyst
WUTWC-Warm-Up Three-Way Catalyst
OS-Oxygen Sensor
HOS-Heated Oxygen Sensor

Special Features

CFI-Central Fuel Injection or Throttle Body Injection
EPFI-Electronic Port Fuel Injection
MPFI-Mechanical Port Fuel Injection
SFI-Sequential Fuel Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
TC-Turbocharger
SC-Supercharger
IC-Intercooler or Aftercooler
CCV-Combustion Chamber Valve
OBD-On-Board Diagnostics

Fuel System

CFI, EPFI, MPFI, SFI,
DID, DIP, HOS, OS
nV-nVenturi Carburetor
VV-Variable Venturi Carburetor

VEHICLE MODELS:	CARLINE:
N1E61,N1L31, N1L61,N1L62	DODGE DAKOTA PICK UP
SKE12,SKE13	DODGE RAM VAN
SKH52,SKH53, SKL52,SKP52	DODGE CARAVAN
SHL52,SHP52, SHH52,SHH53	PLYMOUTH VOYAGER

Engine: Front X Mid. _____ Rear _____

Drive: FWD _____ RWD X 4WD Full Time _____ 4WD Part Time _____

E.O. # A-9-185

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars ____ Light-Duty Trucks X Medium-Duty Vehicles ____ Gas X Diesel ____

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR2.5T5FBHO

Liter (CID) 2.5 (152) Eng. Type SOHC 4

Emission Control Sys. (Special Features) TWC,EGR,CFI,HOS,(OBD)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System THROTTLE BODY Part No.	EGR Valve Part No.	Catalyst Part No.
M-1	SKE12	M5	3375	5234080	4307293 4307297	4287178	4218443 4218458 4427175
	SKE13,SHL52, SKL52,SHH52, SKH52		3500				
	SHP52,SKP52		3625				
	SHH53,SKH53		3750				
M-2	N1E61,N1L61		3250	4379740			
	N1L62		3375				
	N1L31		3625				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Date of Issue _____ Revisions:

030186

E.O. # A-9-185

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars ____ Light-Duty Trucks x Medium-Duty Vehicles ____ Gas x Diesel ____

ufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR2.5T5FBHO

Liter (CID) 2.5 (152) Eng. Type SOHC 4

Emission Control Sys. (Special Features) TWC,EGR,CFI,HOS,(OBD)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System THROTTLE BODY Part No.	EGR Valve Part No.	Catalys Part No.
A-1	SKE12	A3	3375	5234076	4307293 4307297	4287175	4218443 4218458 4427175
	SKE13,SHL52, SKL52		3500				
	SHH52,SKH52 SHP52,SKP52		3625				
	SHH53,SKH53		3750				
A-2	N1E61,N1L61, N1L62	A40D	3375	4379736			
	N1L31		3750				
*A-3				5234661			

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

D of Issue _____ Revisions: *06/28/88, RC 31TC. Increase cold engine fuel delivery. (ECU calibration change.)

030186

CHRYSLER MOTORS CORPORATION

E.O.# A-9-185

1989 CALIFORNIA 2.5L EFI (NON-TURBO) LIGHT DUTY TRUCK
KCR2.5T5FBHO Engine Family
Test Weight & H.P.

Model	Transmission	Test Wt.	Available Tires*	Tire Sales Code	Coastdown HP GDYR	Coastdown HP MICH
SKE12	M5 & A3	3375	P195/75R14	TKN	11.5	10.9
			P205/70R14	TLF,TLG	11.5	10.9
			P205/70R15	TPU	11.5	10.9
			LT195/75R14C	TKE	-	10.4
SKE13	M5 & A3	3500	LT195/75R15C	TND	10.6	10.6
SHL52	M5 & A3	3500	P195/75R14	TKN	10.9	10.7
SKL52	M5 & A3	3500	P205/70R14	TLF,TLG	10.9	10.7
SHH52	M5	3500	P195/75R15	TNE	10.9	-
SKH52	M5	3500	P205/70R15	TPU	10.9	10.7
SHP52	M5 & A3	3625				
SKP52	M5 & A3	3625				
SHH52	A3	3625				
SKH52	A3	3625				
SHH53	M5 & A3	3750	P195/70R14	TKN	10.9	10.6
SKH53	M5 & A3	3750	P205/70R14	TLF,TLG	10.9	10.6
			P195/75R15	TNE	10.9	-
			P205/70R15	TPU	10.9	10.6
N1L31	M5	3625	P195/75R15	TNC	11.3	-
	A40D	3750	P205/75R15	TPF,TPG	11.3	11.4
			P215/75R15	TME	11.3	-
			LT215/75R15D	TMK	-	10.8
N1E61	M5	3250	P195/75R15	TNC	11.1	-
N1L61	M5	3250	P205/75R15	TPF,TPG	11.1	11.1
			P215/75R15	TME	11.1	-
N1L62	M5	3375	P195/75R15	TNC	11.1	-
N1L61	A40D	3375	P205/75R15	TPF,TPG	11.1	11.2
N1L62	A40D	3375	P215/75R15	TME	11.1	-
N1E61	A40D	3375				

GDYR = Goodyear
MICH = Michelin

*Following tires are available for each model listed in column one.

ISSUE DATE: 10-21-87
REV: