State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-187
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 passenger cars:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
KCR2.5V5FBE7	2.2/2.5 (135/152)	Exhaust Gas Recirculation Heated Oxygen Sensor Three-Way Catalyst (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:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.39	7.0	0.7

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.26	5.6	0.3

BE IT FURTHER RESOLVED: That the listed models 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 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 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 16th day of February, 1988.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-9-187

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer CHRYSLER MOTORS CORPORATION

Engine Family KCR2.5V5FBE7

Evaporative Family KCRVB

Engine Type SOHC 4

Liters (CID) 2.2 (135) & 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

Fuel System

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

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

VEHICLE MODELS:	CARLINE:
JCH21	Chrysler LeBaron
HCH44,HCP44	Chrysler LeBaron GTS
JCH27	Chrysler LeBaron Convertible
LZE44	Dodge Omni
ADH41,ADP41	Dodge Spirit
KDH21,KDH41	Dodge Aries
EEM41	Dodge 600
GVH24,GVL24	Dodge Daytona

(continued)

Engine: Front X Mid. ____ Rear ____

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

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ATTACHMENT TO SDS
PAGE 1, EXECUTIVE ORDER A-9-187

VEHICLE MODELS:	CARLINE:
HDH44,HDS44	Dodge Lancer
PDH24,PDH44, PDL24,PDL44	Dodge Shadow
PDH27	Dodge Shadow Convertible
KPH21,KPH41	Plymouth Reliant
LME44	Plymouth Horizon
EJM41	Plymouth Caravelle
PPH24,PPH44, PPL24,PPL44	Plymouth Sundance
PPH27	Plymouth Sundance Convertible
APH41,APP41	Plymouth Acclaim

E.O. # A-9-187

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR2.5V5FBE7

Liter (CID) 2.2 (135) & 2.5 (152) Eng. Type SOHC 4

Emission Control Sys. (Special Features) TWC,HOS,EGR,(CFI),(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 2.2L	LME44,LZE44	M5	2625	5234054	4288296	4287178	4427165
	KPH21,KDH21		2750		4307296		4427167
	PPL44,PDL44, PPL24,PDL24, KPH41,KDH41		2875				4427170
	PPH24,PDH24, PPH44,PDH44		3000				
	PPH27,PDH27, HDH44,HCH44		3125				

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:

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E.O. # A-9-187

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR2.5V5FBE7

Liter (CID) 2.2 (135) & 2.5 (152) Eng. Type SOHC 4

Emission Control Sys. (Special Features) TWC,HOS,EGR,(CFI),(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-2 2.5L	PPH24,PDH24, PPH44,PDH44	M5	3000	5234070	4288297 4307297	4287178	4427165 4427167 4427170
	PPH27,PDH27, GVL24,GVH24, HDH44,HCH44, HCP44,HDS44, *APH41,ADH41, APP41,ADP41		3125				
	JCH21		3250				
	JCH27		3375				

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: *02-24-88: Correction of Errata.

030186

E.O. # A-9-187

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR2.5V5FBE7

Liter (CID) 2.2 (135) & 2.5 (152) Eng. Type SOHC 4

Emission Control Sys. (Special Features) TWC,HOS,EGR,(CFI),(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.
A-1 2.2L	LME44,LZE44	A3	2750	5234050	4288296	4287176	4427165
	PPL24,PDL24, KPH21,KDH21, KPH41,KDH41		2875	4557520***	4307296		4427167 4427170
	PPH24,PDH24, PPL44,PDL44, PPH44,PDH44, EJM41,EEM41		3000				
	PPH27,PDH27, HDH44,HCH44, *APH41,ADH41		3125				
A-2** 2.2L				5234657 4557520***			

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: *02-24-88: Correction of Errata.
**06-06-88: R.C. 21C. Revise Cold Engine Fuel Delivery Calibration.
***11-09-89: FF15c. Revise ECU Calibration to eliminate spark knock.

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