

Kenny

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-173
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 1988 model-year Chrysler Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JCR2.2V5FBB7	135 (2.2)	Three-Way Catalyst Heated Oxygen Sensor (Electronic Fuel Injection) (Turbocharger) (Intercooler) (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:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.23	2.5	0.4

BE IT FURTHER RESOLVED: That the listed models were 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 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 listed vehicle models (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.).

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 10th day of March, 1987.



K. D. Drachand, Chief
Mobile Source Division

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR2.2V5FBB7
 Evaporative Family JCRVA Engine Type SOHC IN LINE 4
 Liters (CID) 2.2 (135)

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, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor

Exhaust Emissions Control System

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

Special Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection or Throttle Body Injection
 DID-Diesel Injection-Direct
 DIP-Diesel Injection-Prechamber
 EFI-Electronic Fuel Injection
 IC-Intercooler or Aftercooler
 MFI-Mechanical Fuel Injection
 OBD-On-Board Diagnostics
 TC-Turbocharger

VEHICLE MODELS:

GVS24, GVX24
 HDS44

CARLINE

DODGE DAYTONA
 DODGE LANCER

Engine: Front X Mid. _____ Rear _____
 Drive: FWD X RWD _____ 4WD Full Time _____ 4WD Part Time _____

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-9-173

Page 2

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

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR2.2V5FBB7

Liter (CID) 2.2 (135) Eng. Type SOHC IN LINE 4

Emission Control Sys. (Special Features) TWC, HOS, (EFI), (IC), (TC)

Engine Code	Vehicle Models (If Coded see attachment) See Attachment for (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.
M-1	GVS24, GVX24, HDS44	M5	3250	5233024 5233714* 5233908**	4307632	NONE	4301725
	GVH24*		3125*				
M-2***				5233994			
M-4+				5233256			

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 02-03-87

Revisions: 03-30-87: R.C. #12C dated 3-24-87. Addition of model.

***07-27-87: R.C. 34C, Revise ECU Calibration.

+11-03-87: R.C. 59C, Revise ECU Calibration & Release 0° Overlap Camshaft.

*04-03-87: R.C. 14, Revise ECU calibration.
**06-03-87: R.C. 31, Revise OBD Portion of the ECU.

Passenger Cars XX Light-Duty Trucks _____ Medium-Duty Vehicles _____ Gas XX Diesel _____

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR2.2V5FBB7

Liter (CID) 2.2 (135) Eng. Type SOHC IN LINE 4

Emission Control Sys. (Special Features) TWC,HOS,(EFI),(IC),(TC),(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.	Cataly Part No.
M-5	GVH24	M5	3125	5234340	4307632 4307617	NONE	4301725 4301682
M-6	GVS24,GVX24, HDS44		3250				

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 12-11-87 Revisions:

Running Change 77C. ECU Calibration
Revision.

ENGINE CODE	TRANS TYPE CODE	OATG			TIRES			TIRE			N/V			CURB WEIGHT			TEST WT	INERT.	VEHICLE MODEL
		STD	MIN	MAX	STD	MIN	MAX	TREAD	SALES CODE	(TYPE)	STD	MIN	MAX	ROAD LOAD	A/C HP	DRIVE AXLE			
M-1	M5	2.74	2.74	2.74	P225/50VR15	P205/55VR16	P225/50VR15	TFLTADGDY	SRR	40.0	38.5	40.0	6.7	7.4	1835	2945	3250	3000	GV524
		2.74	2.74	2.74	P205/55VR16	P225/50VR15	TVKTDGDY	SBR	38.5	38.5	38.5	6.3	6.9	1864	2989	3250	3000	GVX24	
		2.74	2.74	2.74	P205/55VR16	P225/50VR15	TVKTDGDY	SBR	38.5	38.5	38.5	6.3	6.9	1836	2967	3250	3000	8HDS44	

ISSUE DATE: 6/23/86
 REV 8/5/86
 9/30/86
 \$ 1/23/87

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