

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-144  
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-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1986 model-year Chrysler 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>
GCR2.2V5FAB0	135	(2.2)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection) (Turbocharger)

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>
0.21	1.6	0.5

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 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

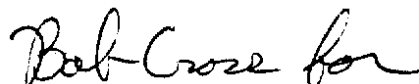
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That 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 5th day of April, 1985.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer CHRYSLER CORPORATION Executive Order No. A-9-144  
 Engine Family GCR2.2V5FABO Evaporative Family GCRVA  
 Engine CID (Liters) 135 (2.2)

## ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 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  
 Variable Venturi

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TOC-Trap Oxidizer Continuous  
 TOI-Trap Oxidizer Intermittent  
 TR-Thermal Reactor  
 TWC-Three-Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EFI-Electronic Fuel Injection  
 IC - Intercooler  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

VEHICLE MODELS:

ETP41  
 KCP22;KCP41  
 KCP45  
 KCP27  
 GCH24;GCP24  
 KCP49  
 HCH44;HCP44  
 LZE44  
 EEH41;EEM41;KVP22  
 KVP27  
 GVH24;GVS24  
 HDH44;HDS44  
 LZS24  
 EJH41;EJM41  
 KPM45  
 KDM45

CARLINE:

Chrysler New Yorker  
 Chrysler LeBaron  
 Chrysler Town & Country  
 Chrysler LeBaron Convertible  
 Chrysler Laser  
 Chrysler Limousine  
 Chrysler LeBaron GTS  
 Dodge Omni  
 Dodge 600  
 Dodge 600 Convertible  
 Dodge Daytona  
 Dodge Lancer  
 Dodge Charger  
 Plymouth Caravelle  
 Plymouth Reliant Wagon  
 Dodge Aries Wagon

DRIVE SYSTEM: FRONT (E-W) Engine/ FRONT -Wheel Drive

198 6 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-9-144

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

Manufacturer Chrysler Corporation

Page 2

Engine Family GCR2.2V5FABO

Engine Code M-1;A-1;A-2

ECS (Special Features) TWC,CL,EGR,(EFI),(TC)

CID (Liter)-  
Type 135(2.2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System Power Module Part No.	Fuel System Throttle Part No. Body	EGR Valve Part No.	Label Ident. Part No.
M-1	LZE44	M5	2750	5226766	04288277 04307251 04307255 04307257	*04287756	VECI 4288962 VAC. HOSE 4307652
M-2**	LZS24		2875				
	GVH24;GCH24; GCP24;GVS24; HDH44;HCH44; HCP44;HDS44		3125				
A-1 A-3**	EJM41;EEM41; EJH41;EEH41; KVP22;KCP22; KCP41	A3	3000				
	GVH24;GCH24; GVS24;KVP27; KCP27;HDH44; HCH44;HCP44; HDS44;KPM45;+ KDM45+		3125				
	ETP41;GCP24; KCP45		3250				
A-2 A-4**	KCP49		3500				

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.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 03/14/85

\*Revised - 04/12/85 (Correction of errata.)

Revised - 07/03/85 (Running Change 6c dated 06/12/85. Revise the logic module so that the amount of start fuel is reduced at high altitude, to reduce the spark advance for start to run transfer, and to enable purge at closed throttle.)

071080

+ Revised - 12/10/85 (Running Change 78C dated 12/04/85. Addition of models.)

## 1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER CORPORATION

Page 3

Engine Family GCR22V5FABO

Engine

Code M-3

ECS (Special Features) TWC, CL, EGR, (EFT)

CID (Liter)-

Type 135(2.2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label Ident.
				Power Module Part No.	Throttle Body No.	Part No.	Part No.
M-3	LZE44	M5	2750	5226766	04288277 04307251 04307255 04307257	04287756	VECI 4288962 VAC HOSE 4307652
	LZS24		2875				
	GVH24;GCH24; GCP24;GVS24; HDH44;HCH44; HCP44;HDS44		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.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 07/08/85: (RC#28c, dated 06/24/84. Revise logic module to increase the rich bias of the secondary ramp lean rate, to eliminate the spark advance "start to run" mode OSAC feature and to prevent the auto shut down relay from shutting-off fuel and spark during early stages of cranking on all vehicles with manual transmissions).

FILE

E.O. #A -9-144

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

X Passenger Cars \_\_\_ Light-Duty Trucks \_\_\_ Medium-Duty Vehicles X Gas \_\_\_ Diesel

Manufacturer CHRYSLER CORPORATION Page 4

Engine Family GCR2.2V5FABO Engine Code A-5 & A-6

ECS (Special Features) TWC,CL,EGR,(EFI),(TC) CID (Liter)-Type 135(2.2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System Power Module Part No.	Fuel System Throttle Body Part No.	EGR Valve Part No.	Label Ident. Part No.
A-5	EJM41;EEM41; EJH41;EEH41; KVP22;KCP22; KCP41	A3	3000	5226760	04288277 04307251 04307255 04307257	04287756	VECI 4288962
	GVH24;GCH24; GVS24;KVP27; KCP27;HDH44; HCH44;HCP44; HDS44		3125				VAC. HOSE 4307652
	ETP41;GCP24; KCP45		3250				
A-6	KCP49		3500				

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.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 10/07/85: R.C. #049C, dated 09/26/85. (Release logic module with revised spark advance and fuel enrichment calibrations, revised start to run calibrations and revised AIS rpm calibrations on all models.)

FILE

E.O. #A-9-144

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER CORPORATION Page 5

Engine Family GCR2.2V5FABO Engine Code M-4

ECS (Special Features) TWC,CL,EGR,(EFI) CID (Liter)-Type 135(2.2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label Ident.
				Power Module Part No.	Throttle Body Part No.	Part No.	Part No.
M-4	LZE44	M5	2750	5226766	04288277	04287756	VECI
	LZS24		2875		04307251		4288962
	GVH24;GCH24; GCP24;GVS24; HDH44;HCH44; HCP44;HDS44		3125		04307255 04307257		VAC. HOSE 4307652

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.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 10/07/85: R.C. #049C, dated 09/26/85. (Release logic module with revised spark advance and fuel enrichment calibrations, revised start to run calibrations and revised AIS rpm calibrations on all models.)

## 1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

X Passenger Cars \_\_\_ Light-Duty Trucks \_\_\_ Medium-Duty Vehicles X Gas \_\_\_ Diesel

Manufacturer Chrysler Corporation

Page 6

Engine Family GCR2.2V5FABO

Engine Code California

ECS (Special Features) TWC,CL,EGR,(EFI)

CID (Liter)-Type 135(2.2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
M-1 M-2 M-3 M-4  A-1 A-2 A-3 A-4 A-5 A-6							VAC. HOSE 4306844

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.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 11/14/85: Field Fix 14C, dated 08/26/85.