

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-129  
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 1985 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>
FCR2.2V2HDJ9	134 (2.2)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<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 the above engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.23	4.4	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 1960.15 of Title 13, California Administrative Code which includes repair or replacement of 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 Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 30 day of May, 1984.

  
K. D. Drachand, Chief  
Mobile Source Division

Manufacturer Chrysler Corporation Executive Order No. A-9-129  
 Engine Family FCR2.2V2HDJ9 Evaporative Family FCRVA  
 Engine CID (Liters) 134 (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

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

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 V-Venturi Carburetor  
 VV-Variable Venturi

VEHICLE MODELS:

ZE44;ZH44  
 ZH24;ZP24  
 DH21;DL21;DM21;  
 DH41;DL41;DM41  
 DH45;DP45

ME44;MH44  
 MH24;MP24  
 PH21;PL21;PM21;  
 PH41;PL41;PM41  
 PH45;PP45

CARLINE

Dodge Omni  
 Dodge Charger  
 Dodge Aries

Dodge Aries Wagon

Plymouth Horizon  
 Plymouth Turismo  
 Plymouth Reliant

Plymouth Reliant Wagon

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

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

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Engine Family FCR2.2V2HJ9 Engine Code M-1;M-3;M-4

ECS (Special Features) AIP,EGR,TWC,CL CID (Liter)-Type 134(2.2)-SOHC 4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA/EFC Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
M-1	ME44; ZE44;MH44;ZH44	M5	2625	5226455B	04288537	04287430 04300430	VECI 4288814 VAC. HOSE 4307545
M-3	MH44;ZH44		2625	5226449A	04288537	04287405 04300405	VECI 4288850 VAC. HOSE 4307545
	MH24;ZH24;MP24; ZP24;ME44;ZE44		2750				
M-4	PL21;DL21;PM21; DM21; PL41;DL41;	M4	2750	5226455B		04287403 04300403	VECI 4288814 VAC. HOSE 4307545
	PH45;DH45;PP45; DP45;PH21;DH21; PM41;DM41;DH41		2875				
	PM21;DM21; MH24;ZH24	M5	2750				Vac. Hose 4307770* 4179645**
	PH45;DH45;PP45; DP45;PH21;DH21; PM41;DM41;PH41; DH41		2875				

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 - 05/14/84

Revised - 08/24/84 ( Running Change 38c , dated 08/17/84. Delete canister purge delay valve. Running change 38c is applicable to engine codes M-1; M-3; M-4.

Revised - 02/12/85 (Running Change 90c, dated 02/05/85. Revise test weights to reflect production.)

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\*\*Revised - 05/14/85: Field Fix 38C, dated 04/22/85. (Add a thermal bowl vent valve into the carburetor bowl vent line to the vapor canister. Includes

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

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Engine Family FCR2.2V2HJ9 Engine Code A-1:A-2

ECS (Special Features) AIP, EGR, TWC, CL CID (Liter)-Type 134 (2.2) -SOHC 4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA/EFC Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-1	ME44; ZE44; MH44; ZH44	A3	2625	5226451A 5226451B	04288538	04287433 04300433	VECI 4288814
	MH24; ZH24; MP24; ZP24		2750				VAC. HOSE 4307545 4307770* 4179645***
A-2	** (DM21; PL21; DL21; PM21); PH21; DH21; PM41; DM41; PH41; DH41		2875				
	PH45; DH45; PP45; DP45		3000				

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 - 05/14/84

Revised - 06/13/84 (PL41 & DL41 models put into correct test weight class.)  
\*Revised - 08/24/84 (Running Change 38c, dated 08/17/84. Delete canister purge delay valve.)

\*\*Revised - 02/12/85 (Running Change 90c, dated 02/05/85. Revise test weights to reflect production.)

071080 \*\*\*Revised - 05/14/85: Field Fix 38C, dated 04/22/85. (Add a thermal bowl vent valve into the carburetor bowl vent line to the vapor canister.)

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

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Engine Family FCR2.2V2HDJ9

Engine Code M-1;M-3;M-4

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

CID (Liter)-Type 134 (2.2) -SOHC 4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA/EFC Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
M-6	ME44; ZE44;MH44;ZH44	M5	2625	5226455B	04288554	04287430 04300430	VECI 4288814 VAC. HOSE 4307545
M-3	MH44;ZH44		2625	5226449A	04288537	04287405 04300405	VECI 4288850 VAC. HOSE 4307545
	MH24;ZH24;MP24; ZP24;ME44;ZE44		2750				
M-7	PL21;DL21;PM21; DM21;	M4	2750	5226455B	04288554	04287403 04300403	VECI 4288814 VAC. HOSE 4307545
	PH45;DH45;PP45; DP45;(PH21;DH21; PL41;DL41;PM41; DM41;PH41;DH41)*		2875				
	PM21;DM21 (MH24;ZH24)*	M5	2750				VAC. HOSE 4307770 4179645**
	PH45;DH45;PP45; DP45;(PH21;DH21; PM41;DM41;PH41; DH41)*		2875				

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 - 09/14/84: (R.C. 47c dated 08/24/84. Revise carburetor idle flow curve and PCV valve flow.)

\*Revised - 02/12/85: (R.C. 90c dated 02/05/85. Revise test weights to reflect production.)

\*\*Revised - 05/14/85: Field Fix 38C, dated 04/22/85. (Add a thermal bowl vent valve in the carburetor bowl vent line to the vapor canister. Includes codes M-6 & M-3.)

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Engine Family FCR2.2V2HDJ9 Engine Code A-1;A-2

ECS (Special Features) AIP,EGR,TWC,CL CID (Liter)-Type 134 (2.2) -SOHC 4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA/EFC Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-3	ME44;ZE44;MH44 ZH44	A3	2625	5226451A 5226451B	04288555	04287433 04300433	VECI 4288814
	MH24;ZH24;MP24; ZP24		2750				VAC. HOSE 4307545
A-4	(PL41;DL41)* PH21;DH21;PM41 DM41;PH41;DM41; (PL21;DL21;PM21; DM21)*		2875				4307770
	PH45;DH45;PP45; DP45		3000				4179645**

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.

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\*\*Revised - 05/14/85: Field Fix 38C, dated 04/22/85. (Add a thermal bowl vent valve in the carburetor bowl vent line to the vapor canister.)

**1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**

**E.O. #A-9-129**

☒ **Passenger Cars**    ☐ **Light-Duty Trucks**    ☐ **Medium-Duty Vehicles**    ☒ **Gas**    ☐ **Diesel**

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**Engine Family** FCR2.2V2HJDJ9

**Engine Code** A11

**ECS (Special Features)** AIP,EGR,TWC,CL

**CID (Liter)-Type** 134(2,2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA/EFC Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
All	All	All	All	All	All	All	VAC. HOSE 4275039
M-1,M-4, M-6,M-7	Plymouth Horizon, Turismo,Dodge Omni,Charger Models			5227616*			
				5233524**			
M-5				5227626*			
A-1,A-2, A-3,A-4				5227614*			
M-1 M-4 M-6	***			5233524 5234242			

**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** - 08/19/85: Field Fix 42c dated 06/19/85. Add heated air delay valve to all models.

\*Revised - 09/11/85: Field Fix 71C dated 09/05/86. ESA/EFC Service Parts Consolidation. All Other Listed Items Remain The Same.

\*\*Revised - 06/22/87: Field Fix 76C dated 06/15/87. ESA/EFC Revision, Start Procedure Revision and Addition of Vacuum Delay Valve in ESA/EFC Vacuum Line.

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\*\*\*Revised - 10/05/87: Field Fix 78C. Release for Service a New ESA/EFC to Reduce RFI.