

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-122
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 1984 model-year Chrysler Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
ECR2.2T2HBM8	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>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.41	9.0	1.0

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

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.27	3.6	0.8

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 3rd day of November, 1983.



K. D. Drachand, Chief
Mobile Source Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer Chrysler Corporation Executive Order No. A-9-122
 Engine Family ECR2.2T2HEM8 Evaporative Family ECRTA
 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

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor
 VV-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
 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
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

VEHICLE MODELS:

ZH28;ZS28
 MH28;MS28

Carline

Dodge Rampage Pickup
 Plymouth Scamp Pickup

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

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Manufacturer Chrysler Corporation Executive Order No. A-9-122
 Engine Family ECR2.2T2HBM8 Evaporative Family ECRTQ
 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

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor
 VV-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
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Special Features

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

VEHICLE MODELS:

KE35;KS35 *cargo vans*
 KL36;KH36
 KP36) *passenger vans*
 HL36;HH36
 HP36

Carline

Caravan/Ram Van
 Plymouth Voyager

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A -9-122

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

Manufacturer Chrysler Corporation Page 2

Engine Family ECR2, 2T2HEM8 Engine Code M-1;M-2;A-1;A-2

ECS (Special Features) AIP, TWC, CL, EGR 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	MH28;ZH28	M5	2625	05226370	04288444	04275408 04287408 04300408	VECI 4288327
	MS28;ZS28		2750				VAC. HOSE 4307516
M-2	KE35	M4	3125	05226398	04288458	04275407 04287407 04300407	VECI 4288328
	KS35	M5	3250				VAC. HOSE 4307497
	KL36;HL36;KH36		3375				
	HH36;HP36;KP36		3500				
A-1	MH28;ZH28	A3	2750	05226372	04288445	04275426 04287426 04300426	VECI 4288327
	MS28;ZS28		VAC. HOSE 4307516				
A-2	KE35		3125	05226396	04288459	04275423 04287423 04300423	VECI 4288328
	KS35		3250				VAC. HOSE 4307497 *4268341

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 - 11/01/83

*Revised - 05/14/85: Field Fix 68TC, dated 05/03/85. (Add a thermal bowl vent valve into the carburetor bowl vent line to the vapor canister. Includes codes M-1, M-2 & A-1)

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

Manufacturer Chrysler Corporation

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Engine Family ECR2.2T2HEM8

Engine

Code A-4;M-4

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

CID (Liter)-

Type 134(2.2)-SOHC 4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equip. Test Weight	Ign. System ESA/EFC Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-4	KE35	A3	3125	5226576	4288459	4275423 4287423 4300423	VECI 4288328
	KS35		3250				VAC. HOSE 4307497 *4268341
M-4	KE35	M4	3125	5226578	4288458	4275407 4287407 4300407	
	KS35	M5	3250				
	KL36;HL36;KH36		3375				
	HH36;HP36;KP36		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 - 02/16/84 (Running Change 93TC dated 02/09/84. Revise ESA/EFC Unit.)

*Revised - 05/15/85: Field Fix 68TC, dated 05/03/85. (Add a thermal bowl vent valve into the carburetor bowl vent line to the vapor canister.)

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1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. #A-9-122

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

Manufacturer Chrysler Page 3

Engine Family ECR2.2T2HBM8 Engine Code M-3 & A-3

ECS (Special Features) AIP,TWC, CL,EGR CID (Liter)-Type 134(2.2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equip. Test Weight	Ign. System ESA/EFC Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
M-3	MH28;ZH28	M5	2625	05226510	4300034	04275407 04287407 04300407	VECI 4288327 VAC. HOSE 4307516 *4268341
	MS28;ZS28		2750				
A-3	MH28;ZH28 MS28;ZS28	A3	2750	05226502	4300035	04275426 04287426 04300426	

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 - 01/30/84: (R.C. 74TC, dated 01/24/84. Revise carburetor to vacuum operated secondary system, revise ESA/EFC units on all T-110 models and revise EGR valve on all manual transmission T-110 models.)

*Revised - 05/14/85: Field Fix 68TC, dated 05/03/85. (Add a thermal bowl vent valve into the carburetor bowl vent line to the vapor canister.)