State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-142
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:

| Engine Family | Displacement Cubic Inches (Liters) | Exhaust Emission Control Systems (Special Features) |
|---|---|---|
| GCR2.2V2HDJX | 135 (2.2) | Air Injection - Pump<br>Exhaust Gas Recirculation<br>Three-Way Catalyst with Closed Loop |

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 |
|---|---|---|
| 0.22 | 4.2 | 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 14th day of March, 1985.

K. D. Drachand, Chief
Mobile Source Division

Manufacturer Chrysler Corporation Executive Order No. A-9-142

Engine Family GCR2.2V2HDJX Evaporative Family GCRVD

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
V-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: | CARLINE |
|---|---|
| LZE44;LZH44 | Dodge Omni |
| LZH24;LZP24 | Dodge Charger |
| LME44;LMH44 | Plymouth Horizon |
| LMH24;LMP24 | Plymouth Turismo |

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

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E.O. #A-9-142

# 1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Chrysler Corporation

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Engine Family GCR2.2V2HDJX

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

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

CID (Liter)-Type 135(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 | LME44;LZH44;<br>LZE44;LMH44; | M5 | 2625 | 05226455<br>5227616+ | 04288554<br>04324666** | 04287430<br>04300430 | VECI<br>4288990 |
| | LZH24;LMH24 | | 2750 | | | | VAC. HOSE<br>4307670 |
| M-2 | LMP24;LZP24;<br>LZE44 | | | 05226645<br>5227626+ | 04288537<br>04324668** | 04287402<br>04300402 | VECI<br>4288992<br>VAC. HOSE<br>4307670 |
| 1 | LME44;LZE44;<br>LMH44;LZH44 | A3 | 2625 | 05226451<br>5227614+ | 04288555<br>04324667** | 04287433<br>04300433 | VECI<br>4288990<br>VAC. HOSE<br>4307670<br>+4307685 |
| | LMH24;LZH24;<br>LMP24;LZP24 | | 2750 | | | | |
| A-2* | | | | | 04300035* | | |
| A-3*** | | | | | 04288495 | | |

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 - 03/01/85

*Revised - 03/27/85: (Running Change 2C dated 03/21/85. Rework 1984 surplus carburetors for use on new 1986 model vehicles.)

**Revised - 04/23/85: (Running Change 8C dated 04/17/85. Release optional carburetor assembly.)

+Revised - 05/13/85: (Running Change 10C dated 04/25/85. Add thermal bowl vent valve into the carburetor bowl vent line to the vapor canister.)

***Revised- 07/15/85: (Running Change 31C dated 07/10/85. Use of reworked 1984 surplus carburetors for 1986 production.)

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E.O. #A -9-142

# 1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER CORPORATION Page 3

Engine Family GCR2.2V2HDJX Engine Code All

ECS (Special Features) AIP,EGR,TWC,CL CID (Liter)-Type 135(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 4207695 |

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 - 08/09/85: Field Fix 9c dated 08/06/85. Addition of heated air delay valve.
+Revised - 01/08/87: Field Fix 33c dated 08/29/86. Reduce service parts complexity.

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

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family GCR2.2V2HDJX

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

Emission Control Sys. (Special Features) AIP,EGR,TWC,CL

| Engine Code | Vehicle Models (If Coded see attachment) (Dyno Hp) | Trans. Type | Equiv. Test Weight | Ign. System (ECU) ESA/EFC Part No. | Fuel System 2V Part No. | EGR Valve Part No. | Catalys Part No. |
|---|---|---|---|---|---|---|---|
| M-1 | LME44,LZH44, LZE44,LMH44 | M5 | 2625 | 5233524<br>5234242* | 4288554<br>4324666 | 4287430<br>4300430 | VECI 4288990 |
| | LZH24,LMH24 | | 2750 | 5233524* | | | VAC. HOS 4307670 |
| M-3 | LME44,LZH44, LZE44,LMH44 | | 2625 | | 5224690 | | VECI 4288990 |
| | LZH24,LMH24 | | 2750 | | | | VAC. HOS 4307685 |

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 February 16, 1987

Revisions:

Field Fix 44C. Revised engine starting procedure & ESA calibration.
*10-05-87: Field Fix 46C. Release for Service a New ESA/EFC to Reduce RFI.

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