State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-153
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 1987 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) |
|---|---|---|---|
| HCR2.2V5FAB1 | 135 | (2.2) | Exhaust Gas Recirculation<br>Three-Way Catalyst with Closed Loop<br>(Electronic Fuel Injection)<br>(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:

| 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 |
|---|---|---|
| 0.21 | 2.6 | 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 14th day of August, 1985.

K. D. Drachand, Chief
Mobile Source Division

# 1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Chrysler Corporation

Executive Order No. A-9-153

Engine Family HCR2.2V5FAB1

Evaporative Family HCRVA

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
n'-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: | CARLINE |
|---|---|
| ETP41 | Chrysler New Yorker |
| KCP41;JCH21;JCP21 | Chrysler LeBaron |
| JCP27 | Chrysler LeBaron Convertible |
| KCP45 | Chrysler Town and Country |
| GCX24;GCH24;GCP24 | Chrysler Laser |
| HCH44;HCP44 | Chrysler LeBaron GTS |
| JDH21;JDS21;HDH44; HDS44 | Dodge Lancer |
| JDH27 | Dodge Lancer Convertible |
| EEH41;EEM41 | Dodge 600 |
| GVH24;GVS24 | Dodge Daytona |
| PDH24;PDH44 | Dodge Shadow |
| EJM41;EJH41 | Plymouth Caravelle |
| PPH24;PPH44 | Plymouth Sundance |

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

120783

E.O. #A-9-153

# 1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER CORPORATION Page 2

Engine Family HCR2.2V5FAB1 Engine Code

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. |
|---|---|---|---|---|---|---|---|
| M-1<br>M-2* | PPH24;PDH24;<br>PPH44;PDH44 | M5 | 2875 | 05226766 | 04288277<br>04307251<br>04307255<br>04307257 | 04287756 | VECI<br>4300544<br><br>VAC. HOSE<br>4405718 |
| | JDH21;JCH21;<br>JCP21;JDS21;<br>JDH27;JCP27;<br>GVH24;GCH24;<br>GCP24;GVS24;<br>HDH44;HCH44;<br>HCP44;HDS44 | | 3125 | | | | |
| A-1<br>A-2* | PPH24;PDH24 | A3 | 2875 | | | | |
| | PPH44;PDH44;<br>EJM41;EEM41;<br>KCP41 | | 3000 | | | | |
| | JDH21;JCH21;<br>JCP21;JDS21;<br>JDH27;JCP27;<br>EJH41;EEH41;<br>GVH24;GCH24;<br>HDH44;HCH44;<br>HCP44;HDS44 | | 3125 | | | | |
| | ETP41;GCP24;<br>GVS24;GCX24;<br>KCP45 | | 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.

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

Date of Issue - 08/01/85

Revised - 11/02/85: Correction of errata.

*Revised - 12/02/85: R.C. 6C, dated 11/19/85. Revise logic module calibrations.

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E.O. #A-9-153

# 1987 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 HCR2.2V5FAB1 Engine Code Calif.

ECS (Special Features) TWC, CL, EGR, (EFI), (TC) CID (Liter)-Type 135(2.20) - 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. |
|---|---|---|---|---|---|---|---|
| M-2 | LZE44 | M5 | 2750 | 05226766 | 04288277<br>04307251<br>04307255<br>04307257 | 04287756 | VECI<br>4300544 |
| | LZS24 | | 2875 | | | | Vac. Hose<br>4405718 |

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 - 02/07/86: Running Change 16c dated 1/15/86. Addition of models.

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