State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-145
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) |
|---|---|---|---|
| GCR5.2V2HCKO | 318 | (5.2) | 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 | 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 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 28 day of May, 1985.

K. D. Drachand, Chief
Mobile Source Division

# 1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Chrysler Corporation

Executive Order No. A-9-145

Engine Family GCR5.2V2HCK0

Evaporative Family GCRVE

Engine CID (Liters) 318 (5.2)

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
[illegible]-nVenturi Carburetor
[illegible]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 |
|---|---|
| MFH41 | Chrysler Newport |
| MFS41 | Chrysler Fifth Avenue |
| MGL41;MGP41 | Dodge Diplomat |
| MBL41 | Plymouth Grand Fury |

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

120783

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1986 CHRYSLER CORPORATION VEHICLE DESCRIPTIONS CALIFORNIA

ENGINE FAMILY GCR5.2V2HCK0 DISPLACEMENT 5.2L EXHAUST CONTROL STEM AP OX TWC CL EGR

EVAPORATIVE CONTROL SYSTEM CANISTER CATALYST CODE HCK

| ENGINE CODE | TRANS TYPE CODE | AXLE STD MIN MAX | TIRES STD MIN MAX | TIRE TREAD SALES CODE | (TYPE) | N/V STD MIN MAX | ROAD LOAD HP | A/C HP | CURB WEIGHT DRIVE AXLE | TOTAL | TEST WT | INERT. | VEHICLE MODEL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A-1 | A3 | 2.24 | P205/75R15 | TPG | SBR | 28.8 | 9.4 | 10.3 | 1586 | 3724 | 4000 | 4000 | MBL41 |
| | LL | 2.24 | P205/75R15 | TPG | SBR | 28.8 | 9.4 | 10.3 | 1601 | 3738 | 4000 | 4000 | MGL41 |
| | | 2.26 | P205/75R15 | TPG | SBR | 29.0 | 9.4 | 10.3 | | | | | |
| A-1 | A3 | $2.26 | P205/75R15 | TPG | SBR | $29.0 | 9.4 | 10.3 | 1581 | 3738 | 4000 | 4000 | MFH41 |
| | LL | $2.26 | P205/75R15 | TPG | SBR | $29.0 | 9.4 | 10.3 | 1593 | 3743 | 4000 | 4000 | MGP41 |
| | | 2.26 | P205/75R15 | TPG | SBR | 29.0 | 9.4 | 10.3 | | | | | |
| | | | | | | | | | 1630 | 3809 | 4000 | 4000 | MFS41 |

E.O. #A-9-145

# 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 GCR5.2V2HCKO

Engine Code A-1

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

CID (Liter)-Type 318(5.2)-V/8

| 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 | MBL41;MGL41; MFH41;MGP41; MFS41 | A3 | 4000 | 04289913 | 04324647 | 04287659 | VECI 4288928<br>VAC. HOSE 4179836 |
| *A-2 | | | | | | | VECI 4288928<br>VAC. HOSE 4307674 |

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 - 05/08/85
*Revised - 05/24/85: Running Change 16C dated 05/21/85 (delete EGR delay valve).

071080

1986 5.2 L CERTIFICATION

| COMPONENT CODE | | P/N | LAB ID |
|---|---|---|---|
| 115 | VALVE - AIR SWITCHING RELIEF COMBINED | 04227670 | PRODUCTION |

RELIEF FUNCTION
RELIEF PRESSURE: NA PSI
AIR SWITCHING FUNCTION
FULLY SWITCHED BY VACUUM: NA " HG
VALVE SEAT LEAKAGE
WITH 5 PSI @ INLET PORT AND NA SCM3PM MAX.
DOWNSTREAM PORT BLOCKED

068 VALVE - DELAY / HEATED AIR 04201385 PRODUCTION

BLEEDS DOWN A 5 CU IN RESERVOIR
FROM 15 TO 5 "HG VACUUM IN: NA SECONDS

073 VALVE - DELAY / EGR 04167046 PRODUCTION

BLEEDS DOWN A 5 CU IN RESERVOIR
FROM 15 TO 5 "HG VACUUM IN: NA SECONDS

079 VALVE - EGR 04287659 PRODUCTION

| SIGNAL | FLOW RATE <#/HR> |
|---|---|
| 4 <"HG> | NA |
| 9.0 <"HG> | NA |

066 VALVE - POSITIVE CRANKCASE VENILATOR 03671076 PRODUCTION

AIR FLOW @ NA "HG VACUUM: NA CFM
@ NA "HG VACUUM: NA CFM
@ NA "HG VACUUM: NA CFM *

*PEAK FLOW

169 VALVE - VACUUM BLEED-OFF 04307796 180-1

VACUUM INPUT 17.5 HG FLOW 0 CCM
20.7 HG FLOW 3500 CCM