

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:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GCR5.2V2HCKO	318 (5.2)	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 emission standards for this engine family:

<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 this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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 21st day of May, 1985.



K. D. Drachand, Chief
Mobile Source Division

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
 n^v-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:

MFH41
 MFS41
 MGL41;MGP41
 MBL41

CARLINE

Chrysler Newport
 Chrysler Fifth Avenue
 Dodge Diplomat
 Plymouth Grand Fury

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

E.O. A-9-145, P 1A

1986		CHRYSLER CORPORATION		VEHICLE DESCRIPTIONS		CALIFORNIA													
ENGINE FAMILY	GC93-2V2HCK0	DISPLACEMENT	5.2L	EXHAUST CONTROL	STEM	AP	OX TWC CL EGR												
EVAPORATIVE CONTROL SYSTEM		CANISTER	CATALYST CODE	HCK	CURB WEIGHT														
ENGINE CODE	TYPE	AXLE	TIRES	TREAD	SALES	CODE (TYPE)	M/W	STD	MIN	MAX	ROAD LOAD	A/C	MP	DRIVE	AXLE TOTAL	TEST	WT	INERT.	VEHICLE MODEL
A-1	A3	2.24	P205/75R15	TPG	SBR	SBR	28.8	28.8	28.8	29.0	9.4	10.3	10.3	1586	3724	4000	4000	4000	MBL41
	LL	2.24	P205/75R15	TPG	SBR	SBR	28.8	28.8	28.8	29.0	9.4	10.3	10.3	1601	3738	4000	4000	4000	MGL41
		2.26	P205/75R15	TPG	SBR	SBR	29.0	29.0	29.0	29.0	9.4	10.3	10.3						
A-1	A3	\$2.26	P205/75R15	TPG	SBR	SBR	\$29.0	\$29.0	\$29.0	\$29.0	9.4	10.3	10.3	1581	3738	4000	4000	4000	MFH41
	LL	\$2.26	P205/75R15	TPG	SBR	SBR	\$29.0	\$29.0	\$29.0	\$29.0	9.4	10.3	10.3	1593	3743	4000	4000	4000	MGP41
		2.26	P205/75R15	TPG	SBR	SBR	29.0	29.0	29.0	29.0	9.4	10.3	10.3	1630	3809	4000	4000	4000	MFS41

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

 Passenger Cars Light-Duty Trucks Medium-Duty Vehicles Gas DieselManufacturer Chrysler CorporationPage 2Engine Family GCR5.2V2HCKOEngine Code A-1ECS (Special Features) AIP,TWC,CL,EGRCID (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 VAC. HOSE 4179836
*A-2							VECI 4288928 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).

1986 5.2 L CERTIFICATION

COMPONENT CODE

P/N

LAB. ID

115 VALVE - AIR SWITCHING RELIEF COMBINED 04227670 PRODUCTION

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

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