State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER-A-9-89
Relating to Certification of New Motor Vehicles

CHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Chrysler Corporation exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered passenger cars.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
BCR5.2V4HC1	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 as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1981 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
BCR5.2V4HC1	0.12	4.4	0.7

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", as last amended June 26, 1980.

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 or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-9-4

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 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Chrysler Corporation has provided to the Executive Officer 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 25th day of July, 1980.

K. D. Drachand, Chief
Mobile Source Control Division

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Engine Family BCR5.2V4HC1 Evaporative Family BCRKF

ABBREVIATIONS Engine CID (Liters) 318 (5.2)

Ignition System
CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

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
DI-Diesel Injection
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

Fuel System
CFI, DI, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Vehicle Model	Carline
YS 22	* Imperial
FM22;FH22;FP22;**FL22	* Chrysler Le Baron 2 Dr.
FH41;FP41	* Chrysler Le Baron 2 Dr.
FM45;FH45	* Chrysler Le Baron Wagon
GM22;GH22;GP22;**GL22	* Dodge Diplomat 2 Dr.
GH41; GP41	* Dodge Diplomat 4 Dr.
GM45; GH45	* Dodge Diplomat Wagon
SH22; SP22; SS22	* Chrysler Cordoba
XH22; XS22	* Dodge Mirada
EH42	* Dodge St. Regis
JL42; JH42	* Plymouth Gran Fury
TH42	* Chrysler Newport
TP42	* Chrysler New Yorker

* Add 10% to dyno test Hp for air conditioning usage.
**Revised - 12-29-80:(RC#117C;12-12-80) Add'n of models.

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Engine Family BCR5.2V4HCL

Engine Code A-2; A-4; A-6; A-8

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

CID (Liter)-Type 318 (5.2)V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-2	FM22 GM22,GH22,GP22	A3	3875	4145788	Carburetor 4179145	4104127 4105127	VECI 4227113
	FH22,FP22,FH41, FM41,FP41,GH41, GP41,GM41,SH22. SP22,SS22,XH22, XS22		4000				Vac.Hose 4227712
A-4	JH42		4000			4104089	
	FM45,FH45,GM45, GH45,YS22,JL42, EH42,TH42,TP42		4250			4105089	
A-6	FH41,GH41		4000			4104127 4105127	
A-8	EH42,JL42,TH42		4250			4104089 4105089	

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 -7/24/80

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Engine Family BCR5.2V4HCL Engine Code

ECS (Special Features) AIP,EGR,TWC+OC,CL CID (Liter)-Type 318 (5.2)V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-9*	FM22 GM22,GH22,GP22	A3	3875	4145850*	Carburetor 4179145	4104127 4105127	VECI 4227113
	FH22,FP22,FH41, FM41,FP41,GH41, GP41,GM41,SH22. SP22,SS22,XH22, XS22		4000				Vac.Hose 4227712
A-10*	JH42		4000			4104089	
	FM45,FH45,GM45, GH45,YS22,JL42, EH42,TH42,TP42		4250			4105089	
A-11*	FH41,GH41		4000			4104127 4105127	
A-12*	EH42,JL42,TH42		4250			4104089 4105089	

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 -7/24/80
*Revised-10/4/80 (RC#37C; 8/28/80)

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Engine Family BCR5.2V4HCL Engine Code A-17,A-18,A-19,A-20

ECS (Special Features) AIP,EGR,TWC+OC,CL CID (Liter)-Type 318 (5.2)V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-17**	FM22;****FL22 GM22,GH22,GP22	A3	3875	4145788	Carburetor 4179180**	4104127 4105127	VECI 4227113
	FH22,FP22,FH41, FM41,FP41,GH41, GP41,GM41,SH22. SP22,SS22,XH22, XS22;****GL22		4000				Vac.Hose 4227712
A-18**	JH42		4000			4104089	
	FM45,FH45,GM45, GH45,YS22,JL42, EH42,TH42,TP42		4250			4105089	
A-19**	FH41,GH41		4000	4145788 or 4145911***		4104127 4105127	VECI 4227113 or 4227724***
A-23*****				4145946 4145947			
A-20**	EH42,JL42,TH42		4250	4145788 or 4145911***		4104089 4105089	Vac.Hose 4227712
A-24*****				4145946 4145947			

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 -7/24/80
**Revised- 9/11/80 (RC#50)
*** " -11-29-80: RC#78C (Move ESA to under dash for police configs only)
**** " -12-29-80:(RC#117C;12-12-80)Add'n of models.
***** " -01-08-81:(RC#112C;12-02-80)Modify ESA.

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Engine Family BCR5.2V4HCL

Engine Code -

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

CID (Liter)-Type 318 (5.2)V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-25**	FM22 GM22,GH22,GP22	A3	3875	4145788	Carburetor 4179180**	4104127 4105127	VECI 4227113
	FH22,FP22,FH41, FM41,FP41,GH41, GP41,GM41,SH22. SP22,SS22,XH22, XS22		4000				Vac.Hose 4227712
A-26**	JH42		4000			4104089	
	FM45,FH45,GM45, GH45,YS22,JL42, EH42,TH42,TP42		4250			4105089	
A-27**	FM41,GM41		4000			4104127 4105127	
A-28**	EH42,JL42,TH42		4250			4104089 4105089	

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 - E.O. issued 07/24/80
**Revised - 02/03/81:(RC#122C;12/22/80)Modify carb.-1-way bowl vent.

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Engine Family BCR5.2V4HCL Engine Code A-29;A-30;A-31;A-32

ECS (Special Features) AIP, EGR, TWC+OC, CL CID (Liters)-Type 318 (5.2)V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System ESA Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-29*	FM22; FL22 GM22,GH22,GP22	A3	3875	4145788 or 4145996**	Carburetor 4179180	4104127 4105127	VECI 4227113
	FH22,FP22,FH41, FM41,FP41,GH41, GP41,GM41,SH22, SP22,SS22,XH22, XS22; GL22		4000				Vac. Hose 4227712
A-30*	JH42		4000			4104089	
	FM45,FH45,GM45, GH45,YS22,JL42, EH42,TH42,TP42		4250			4105089	
A-31*	FH41,GH41		4000	4145788 or 4145911 or 4145998**		4104127 4105127	VECI 4227113 4227724
A-32*	EH42,JL42,TH42		4250			4104089 4105089	Vac. Hose 4227712

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.

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

Date of Issue - 7-24-80
* Revised: 4-16-81 (R.C. 145C 4-16-81) Deletion of EGR vacuum delay valve P.N. 4173433
** " 4-22-81 (Field Fix 5; 4-30-81)

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Engine Family BCR5.2V4HCL

Engine Code A-33;A-34;A-35;A-36; A-37;A-38

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

CID (Liters)-Type 318(5.2)V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System ESA Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-33*	FH41,GH41	A3	4000	4145788 or 4145911 or 4145998**	Carburetor 4179189***	4104127 4105127	VECI 4227113 4227724 Vac. Hose 4227712
A-34*	EH42,JL42,TH42		4250			4104089 4105089	
A-35	FM22;****FL22 GM22,GH22,GP22		3875	4145788 or 4145996**		4104127 4105127	VECI 4227113 Vac. Hose 4227712
	FH22,FP22,FH41, FM41,FP41,GH41, GP41,GM41,SH22, SP22,SS22,XH22, XS22;****GL22		4000				
A-36	JH42		4000			4104089	
	FM45,FH45,GM45, GH45,YS2,JL42, EH42,TH42,TP42		4250			4105089	
A-37	FH41,GH41		4000	4145998** 4145788 or 4145911 or 4145998**		4104127 4105127	VECI 4227113 4227724 Vac. Hose 4227712
A-38	EH42,JL42,TH42		4250			4104089 4105089	

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.

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

Date of Issue - 7-24-80
* Revised - 4-16-81 (R.C. 145C 4-16-81) Deletion of EGR vacuum delay valve P.N. 4173433.
** " 5-22-81 (Field Fix 5; 4-30-81)
*** " 5-27-81 (R.C. 146C 5-27-81) Carburetor Flow Curve Modification and addition of EGR Delay Valve.

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Engine Family BCR4.2V4HCL Engine Code A-39;A-40

ECS (Special Features) AIP,EGR,TWC+OC,CL CID (Liters)-Type 318(5.2)V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System ESA Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-39	FH41,GH41		4000	4145788 or 4145911 or 4145998*	Carburetor 4179189**	4104127 4105127	VECI 4227113 4227724
A-40	EH41,JL42,TH42		4250			4104089 4105089	Vac. Hose 4227712

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.

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

Date of Issue - 7-24-80
*Revised - 5-22-81 (Field Fix 5; 4-30-81)
**Revised - 5-27-81 (R.C. 146C; 5-27-81) Carburetor Flow Curve Modification and addition of EGR Delay Valve.

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