

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.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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 25<sup>th</sup> 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  
 FH41;FP41  
 FM45;FH45

\* Chrysler Le Baron 2 Dr.  
 \* Chrysler Le Baron 2 Dr.  
 \* Chrysler Le Baron Wagon

GM22;GH22;GP22; \*\*GL22  
 GH41; GP41  
 GM45; GH45

\* Dodge Diplomat 2 Dr.  
 \* Dodge Diplomat 4 Dr.  
 \* 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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E.O. #A-9-89

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

Manufacturer Chrysler Corporation Page 3

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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E.O. #A-9-89

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

X Passenger Cars \_\_\_ Light-Duty Trucks \_\_\_ Medium-Duty Vehicles X Gas \_\_\_ Diesel

Manufacturer Chrysler Corporation Page 6

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)

F.O. 10-9-89  
 1981 AIR RESOURCES ACT SUPPLEMENTAL DATA SHEET

X Passenger Cars    Light-Duty Trucks    Medium-Duty Vehicles    X Gas    Diesel  
 Manufacturer Chrysler Corporation    Page 7  
 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 4105089	
	FM45,FH45,GM45, GH45,YS22,JL42, EH42,TH42,TP42		4250				
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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Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel

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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.

**1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**

E.O. #A -9-89

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

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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)



## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

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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	VECI 4227113 4227724
A-34*	EH42,JL42,TH42		4250			4104089 4105089	Vac. Hose 4227712
A-35	FM22;****FL22 GM22,GH22,GP22		3875	4145788 or 4145996**		4104127 4105127	VECI 4227113
	FH22,FP22,FH41, FM41,FP41,GH41, GP41,GM41,SH22, SP22,SS22,XH22, XS22;****GL22		4000			Vac. Hose 4227712	
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
A-38	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.

\*\* " 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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E.O. #A-9-89

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

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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	Fuel System	EGR Valve	Label Ident.
				ESA Part No.	4V Part No.	Part No.	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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