

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-80  
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>
BCR2.2V2HU8	134 (2.2)	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>
BCR2.2V2HUB	0.38	6.6	0.6

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 except Motorcycles".

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 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 June, 1980.

  
K. D. Drachand, Chief  
Mobile Source Control Division

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Manufacturer Chrysler Executive Order No. A-9-80 Page 1

Engine Family BCR2.2V2HU8 Evaporative Family BCRKH

ABBREVIATIONS Engine CID (Liters) 134 (2.2)

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

Car Line

ML 24 ; ME 24\*\*\*  
ML 44 ; ME 44\*\*

\*Plymouth Horizon 2 Door - TC3; TC3 Turismo  
\*Plymouth Horizon 4 Door

ZL 24 ; ME 24\*\*\*  
ZL 44 ; ZE 44\*\*

\*Dodge OMNI 2 Door - 024; DeTomaso 024  
\*Dodge OMNI 4 Door

PL 21, PH 21, PP 21  
PL 41, PH 41, PP 41  
PL 45, PH 45, PP 45

\*Plymouth Reliant 2 Door  
\*Plymouth Reliant 4 Door  
\*Plymouth Reliant Wagon

DL 21, DH 21, DP 21  
DL 41, DH 41, DP 41  
DL 45, DH 45, DP 45

\*Dodge Aries 2 Door  
\*Dodge Aries 4 Door  
\*Dodge Aries Wagon

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

\*\*Revised 10-10-80: RC #76C (10-03-80) Add models  
\*\*\*Revised- 02/06/81(RC#121C;12/17/80)Add'n of models.

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

Manufacturer CHRYSLER Page 2

Engine Family BCR2,2V2HU8 Engine Code -

ECS (Special Features) TWC,CL,AIP,EGR CID (Liters)-Type 134 (2.2)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System	Fuel System	EGR Valve	Label Ident.
				CA,VA,EI Part No.	2V Part No.	Part No.	Part No.
A-2	ME, ZE 44** ML, ZL 44	A3	2625	EEC 5213143	4179143 4179142	4213560	VECI 4227109  Vac. Hose 4227704
	PL, PH, PP 21 DL, DH, DP 21 PL, PH, PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24** ML, ZL 24		2750				
	PH, PP 45 DH, DP 45		2875				
	ME, ZE 44** ML, ZL 44		2625				
A-3*	PL, PH, PP 21 DL, DH, DP 21 PL, PH, PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24** ML, ZL 24		2750		4179162* 4179163*		
	PH, PP 45 DH, DP 45		2875				
	ME, ZE 44** ML, ZL 44		2625				
	PL, PH, PP 21 DL, DH, DP 21 PL, PH, PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24** ML, ZL 24		2750				

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.

Date of Issue -06/20/80

\*Revised -07/07/80(RC#8: )Add sec. choke blde., etc.

\*\* " -02/06/81(RC#121C:12/17/80) Add'n of models.

" -01/06/81(RC#125:12/18/80) Correct's; Test wt. revisions.

## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER

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Engine Family BCR2.2V2HU8

Engine Code -

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

CID (Liters)-Type 134 (2.2)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System CA, VA, EI Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-4*	ME, ZE 44 *** ML, ZL 44	A3	2625	EEC 5213143	4179162 4179163	4213553 *	VECI 4227109
	PL, PH, PP 21 DL, DH, DP 21 PL, PH, PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24 *** ML, ZL 24		2750				Vac. Hose 4227704
	PH, PP 45 DH, DP 45		2875				
A-4**	ME, ZE 44 *** ML, ZL 44	A3	2625	EEC 5213143	4179162 4179163	4213553 **	
	PL, PH PP 21 DL, DH, DP 21 PL, PH PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24 *** ML, ZL 24		2750				
	PH, PP 45 DH, DP 45		2875				

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.

Date of Issue -06/20/80

\*Revised -10/10/80(RC#75C:10/06/80) Revise EGR calib.

\*\* " -11/20/80(RC#96C:11/04/80) " " "

\*\* " -01/06/81(RC#125:12/18/80) Correct'ns; Test wt. revisions.

\*\* " -02/06/81(RC#121C:12/17/80) Add'n of models.

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## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

 Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     DieselManufacturer CHRYSLERPage 4Engine Family BCR2.2V2HU8Engine Code -ECS (Special Features) TWC, CL, AIP, EGRCID (Liters)-Type 134 (2.2)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System CA, VA, EI Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-6**	ME, ZE 44*** ML, ZL 44	A3	2625	EEC	4179162 4179163	4213554*	VECI 4227109
	PL, PH, PP 21 DL, DH, DP 21 PL, PH, PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24*** ML, ZL 24		2750				Vac. Hose 4227704
	PH, PP 45 DH, DP 45		2875				

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.

Date of Issue -11/20/80

\*Revised -11/20/80(RC#96C:11/04/80) Revise EGR Calib.

\*\* " -11/28/80(RC#73C:11/12/80) Revise ESA?EFC Calib.

" -01/06/81(RC#125:12/18/80) Corrections; Revision of test wts.

\* " -02/06/81(RC#121C:12/17/80) Add'n of models.

## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER

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Engine Family BCR2.2V2HU8

Engine Code -

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

CID (Liters)-Type 134 (2.2)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System	Fuel System	EGR Valve	Label Ident.
				CA, VA, EI	2V		
				Part No.	Part No.	Part No.	Part No.
M-2	ME, ZE 44*	M4	2500	EEC 5213138	4179141 4179140	4213552	VECI 4227109
	ML, ZL 44						
	ML, ZL 24***		2625				
	PL, PH, PP 21 DL, DH, DP 21 PL, PH 41 DL, DH 41 PP, DP 41 PL, DL 45		2750				
	PH, DH 45 PP, DP 45		2875				
M-3**	ME, ZE 44*		2500		4179166 4179167		
	ML, ZL 44						
	ML, ZL 24***		2625				
	PL, PH, PP 21 DL, DH, DP 21 PL, DP 41 DL, DH 41 PP, DP 41 PL, DL 45		2750				
	PH, DH 45 PP, DP 45		2875				

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.

Date of Issue -06/20/80

\*Revised -10/10/80(RC#76C:10/03/80) Add'n of models.

\*\* " -09/29/80(RC#17C:09/19/80) Add sec'y choke blade, etc.

\* " -12/24/80(RC#91C:11/04/80) Incr. test wt. for trim add'n.

\*\* " -01/06/81(RC#125:12/18/80) Corrections; Incr. in test wts.

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## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER Page 6Engine Family BCR2.2V2HU8 Engine Code -ECS (Special Features) TWC, CL, AIP, EGR CID (Liters)-Type 134 (2.2)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
A-7****	ME, ZE 44** ML, ZL 44		2625		4179188 4179187		VECI 4227109
	PL, PH, PP 21 DL, DH, DP 21 PL, PH, PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24** ML, ZL 24		2750				Vac. Hose 4227704
	PH, PP 45 DH, DP 45		2875				
A-7****	ME, ZE 44*** ML, ZL 44		2625			4213554**	
	PL, PH, PP 21 DL, DH, DP 21 PL, PH, PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24*** ML, ZL 24		2750				
	PH, PP 45 DH, DP 45		2875				

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 - 06/20/80

\*Revised - 10/10/80 (RC#75C:10/06/80) Revise EGR calib.

\*\* " - 11/20/80 (RC#96C:11/04/80) " " "

" - 01/06/81 (RC#125:12/18/80) Corrections; Test wt. revisions.

\*\*\* " - 02/06/81 (RC#121C:12/17/80) Add'n of models

\*\*\*\* " - 04/08/81 (RC#142C:03/24/81) Vac. kick adjustment

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**1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**

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

Manufacturer                     CHRYSLER                     Page                     7                    

Engine Family                     BCR2.2V2HU8                     Engine Code                     -                    

ECS (Special Features)                     TWC, CL, AIP, EGR                     CID (Liters)-Type                     134 (2.2)                    

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class	Ign. System	Fuel System	EGR Valve	Label Ident.
				Part No.	Part No.	Part No.	Part No.
A-9****	ME, ZE 44*** ML, ZL 44	A3	2625	EEC	4179188 4179187	4213554*	VECI 4117109
	PL, PH, PP 21 DL, DH, DP 21 PL, PH, PP 41 DL, DH, DP 41 PL, DL 45 ME, ZE 24*** ML, ZL 24		2750				Vac. Hose 4227704
	PH, PP 45 DH, DP 45		2875				

**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.

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  - " - 01/06/81(RC#125:12/18/80) Corrections; Revision of test wts.
  - \*\*\* " - 02/06/81(RC#121C:12/17/80) Add'n of models.
  - \*\*\*\* " - 04/08/81(RC#142C:03/24/81) Vac. kick adjustment

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