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.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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 25th day of June, 1980.

K. D. Drachand, Chief
Mobile Source Control Division

S. O. Bob

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

nufacturer 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***	*Plymouth Horizon 2 Door - TC3; TC3 Turismo
ML 44 ; ME 44**	*Plymouth Horizon 4 Door
ZL 24 ;ME 24***	*Dodge OMNI 2 Door - 024; DeTomaso 024
ZL 44 ; ZE 44**	*Dodge OMNI 4 Door
PL 21, PH 21, PP 21	*Plymouth Reliant 2 Door
PL 41, PH 41, PP 41	*Plymouth Reliant 4 Door
PL 45, PH 45, PP 45	*Plymouth Reliant Wagon
DL 21, DH 21, DP 21	*Dodge Aries 2 Door
DL 41, DH 41, DP 41	*Dodge Aries 4 Door
DL 45, DH 45, DP 45	*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.

E.O. #A-9-80

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

X Passenger Cars __ Light-Duty Trucks __ Medium-Duty Vehicles X 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 CA,VA,EI Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
A-2	ME, ZE 44** ML, ZL 44	A3	2625	EEC 5213143	4179143 4179142	4213560	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-3*	ME, ZE 44** ML, ZL 44		2625		4179162* 4179163*		
	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 -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.

051280

E.O. #A -9-80

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER Page 3

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-5**	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.

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.

051280

E.O. #A -9-80

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER Page 4

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-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.

051280

E.O. #A -9-80

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER Page 5

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.
M-2	ME, ZE 44* ML, ZL 44	M4	2500	EEC 5213138	4179141 4179140	4213552	VECI 4227109
	ML, ZL 24***		2625				Vac. Hose 4227704
	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* ML, ZL 44		2500		4179166 4179167		
	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.

051280

E.O. #A-9-80

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER Page 6

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 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[illegible]**	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

051280

E.O. #A-9-80

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 Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. 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.

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

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

051280