

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-138
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 1985 model-year Chrysler Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks and medium-duty vehicles:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
FCR5.2T2HBNT	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 certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
4000-5999	0.50	9.0	1.0

The following are the certification emission values for the above engine family:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
4000-5999	0.45	8.1	0.9

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of 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 Executive Officer has been provided 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 31 day of May, 1984.


K. D. Drachand, Chief
Mobile Source Division

Manufacturer Chrysler Corporation Executive Order No. A-9-138
 Engine Family ECR5_2T2HBN1 Evaporative Family ECRLL & ECRTK
 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
 Venturi Carburetor
 VV-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:

B150;B250;B350
 D100;D150;D250
 AD150;AW150

CARLINE

Dodge Van/Wagon
 Dodge Pickup
 Dodge Ramcharger

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

E.O. #A-9-138

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Chrysler Corporation Page 2
 Engine Family FCR5.2T2HBNI Engine Code M-1;A-1
 ECS (Special Features) AIP,EGR,TWC,CL CID (Liter)-Type 318(5.2)-V8

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.
M-1	D100;D150; B150;B250	M40D	4000	04289637A 04289637B	04306454 04306468*	04287673	VECI 4288874 VAC. HOSE 4307470
			4250				
	B150;B250		4500				
			4750				
	D100;D150	M4	4250				
A-1	D250;W100; W150	A-3	4500				
	W100;W150		4750				
	D100;D150		4000				
	B150;B250; D100;D150		4250				
	B150;B250; W100;W150; AD150;AW150		4500				
B150;B250; W100;W150; AW150	4750						
B250		5000					

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 - 04-25-84

*Revised - 07/20/84: (Running Change 22TC dated 07/13/84. Release optional carburetor.)

E.O. #A -9-138

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Chrysler Corporation Page 3

Engine Family ECR5.2T2HBN2 Engine Code A-2

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label Ident.
				ESA/EFC Part No.	2V Part No.	Part No.	Part No.
A-2	B350;D250; AD150	A3	4500	*4289637A 4289637B	*4306454 4306468**	*4287684	VECI 4288874
	B350		4750				
			5000				VAC. HOSE 4307470

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 - 04-25-84
 06-06-84 (Part #'s omitted on original issue.)
 **Revised - 07-20-84: (Running Change 22TC dated 07/13/84. Release optional carburetor.)

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Chrysler Corporation Page 4

Engine Family FCR5.2T2HBN1 Engine Code M-1;A-1

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

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.				
M-2	D100;D150; B150;B250	M40D	4000 4250	4289845	04306454 04306468	04287673	VECI 4288874				
	B150;B250		4500 4750					M4	4250	4500	VAC. HOSE 4307470
	D100;D150		4250								
	D250;W100; W150	4500									
	W100;W150	4750									
	A-3	D100;D150	A-3				4000	4250	4500	4750	5000
B150;B250; D100;D150		4250									
B150;B250; W100;W150; AD150;AW150		4500									
B150;B250; W100;W150; AW150		4750									
B250		5000									

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 - 09/05/84 (R.C. #13TC dated 08/22/84. Revise ESA/EFC and Coolant Vacuum Switch Calibrations.)

E.O. #A -9-138

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Chrysler Corporation Page 5

Engine Family FCR5.2T2HBN2 Engine Code A-2

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label Ident.
				ESA/EFC Part No.	2V Part No.	Part No.	Part No.
A-4	B350;D250; AD150	A3	4500	4289845	4306454 4306468	4287684	VECI 4288874
	B350		4750				VAC. HOSE 4307470
			5000				

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 - 09/05/84 (R.C. #13TC dated 08/22/84. Revise ESA/EFC and Coolant Vacuum Switch Calibrations.)

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER CORPORATION

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Engine Family FCR5.2T2HBN1

Engine Code A-6;A-7;A-8

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

CID (Liter)-Type 318(5.2)-V8

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System ESA/EFC Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
A-6	D100;D150	A-3	4000	04289977	04306454 04306468	04287673	VECI 4288874 VAC. HOSE 4179843
	B150;B250;D100; D150		4250				
	B150;B250;W100; W150;AD150;AW150		4500				
	B150;B250;W100; W150;AW150		4750				
	B250		5000				
A-8	B350;D250;AD150		4500			04287684	
	B350		4750				
	B350		5000				
A-7	B150;B250;W100; W150;AW150		4750			04287651	
	B250		5000				

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 - 01/16/85 (R.C. #45T dated 01/14/85. Revise ESA/EFC calibration & add 4 sec. EGR delay.)