

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-167
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 1987 model-year Chrysler Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
HCR2.5V5FBE2	135/152 (2.2/2.5)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Central Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.15	3.0	0.1

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for 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 listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

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 16th day of December, 1985.


K. D. Drachand, Chief
Mobile Source Division

Manufacturer CHRYSLER CORPORATION Executive Order No. A-9-167
 Engine Family HCR2.5V5FBE2 Evaporative Family HCRVB
 Engine CID (Liters) 135/152(2.2/2.5)

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
 nV-nVenturi Carburetor
 V-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:

ETP41
 JCH21, JCP21, KCP41
 KCP45
 GCH24
 HCH44, HCP44
 JCP27
 JDH27
 KDL21, KDL41, KDM21, KDM41
 EEH41, EEM41
 KDM45
 GVH24
 HDH44, HDS44, JDH21, JDS21
 PDH24, PDH44, PDL24, PDL44
 KPL21, KPL41, KPM21, KPM41
 KPM45
 EJH41, EJM41
 PPH24, PPH44, PPL24, PPL44

CARLINE

Chrysler New Yorker
 Chrysler LeBaron
 Chrysler Town and Country Wagon
 Chrysler Laser
 Chrysler LeBaron GTS
 Chrysler LeBaron Convertible
 Dodge Lancer Convertible
 Dodge Aries
 Dodge 600
 Dodge Aries Wagon
 Dodge Daytona
 Dodge Lancer
 Dodge Shadow
 Plymouth Reliant
 Plymouth Reliant Wagon
 Plymouth Caravelle
 Plymouth Sundance

DRIVE SYSTEM: FRONT (E-W) Engine/ Front -Wheel Drive

1987 CALIFORNIA 2.2L-TBI PASSENGER CARPage 1ATEST WEIGHT AND HORSEPOWER

<u>MODELS</u>	<u>TRANS.</u>	<u>TIRES</u>	<u>TIRE CODE</u>	<u>TEST WEIGHT (LBS.)</u>	<u>COASTDOWN H.P.</u>
KPL21, KDL21 KPL41, KDL41	M5	P175/80R13 (SBR)	TEG,H	2750	8.0
		P185/70HR14 (SBR)	TJE	2750	7.4
	Auto	P175/80R13 (SBR)	TEG,H	2875	8.0
		P185/70HR14 (SBR)	TJE	2875	7.4
KPM21, KDM21 KPM41, KDM41	M5, Auto	P175/80R13 (SBR)	TEG,H	2875	8.0
		P185/70R14 (SBR)	TJA,T	2875	8.0
		P185/70HR14 (SBR)	TJE	2875	7.4
KPM45, KDM45	Auto	P175/80R13 (SBR)	TEG,H	3000	7.7
		P185/70R14 (SBR)	TJA,T	3000	7.7
	M5	P175/80R13 (SBR)	TEG,H	2875	7.7
		P185/70R14 (SBR)	TJA,T	2875	7.7
PPL24, PDL24 PPL44, PDL44	M5, Auto	P165/80R13 (SBR)	TDC	2875	7.8
PH24, PDH24 PPH44, PDH44	M5, Auto	P185/70R14 (SBR)	TJA	2875	7.8
		P205/50VR15 (SBR)	TPH	2875	6.9
<u>MODELS</u>	<u>TRANS.</u>	<u>TIRES</u>	<u>TIRE CODE</u>	<u>TEST WEIGHT (LBS.)</u>	<u>COASTDOWN H.P.</u>
KCP41	Auto	P185/70R14 (SBR)	TJA,T	3000	8.9
EEH41, EJH41 EEM41, EJM41	Auto	P185/70R14 (SBR)	TJT	3000	8.7
HDH44	M5, Auto	P185/70R14 (SBR)	TJA,T	3000	7.6
		P195/70R14 (SBR)	TKJ	3000	7.1
		P205/60HR15 (SBR)	TPR	3000	7.0
HCP44	M5, Auto	P185/70R14 (SBR)	TJA,T	3125	7.6
		P195/70R14 (SBR)	TKJ	3125	7.1
		P205/60HR15 (SBR)	TPR	3125	7.0
HDS44	M5, Auto	P195/70R14 (SBR)	TKJ	3125	7.1
HCH44	M5, Auto	P185/70R14 (SBR)	TJA,T	3000	7.6
		P205/60HR15 (SBR)	TPR	3000	7.0

1987 CALIFORNIA 2.5L PASSENGER CARTEST WEIGHT AND HORSEPOWERPage 18

<u>MODELS</u>	<u>TRANS.</u>	<u>TIRES</u>	<u>TIRE CODE</u>	<u>TEST WEIGHT (LBS.)</u>	<u>COASTDOWN H.P.</u>
KPM21, KDM21	Auto	P185/70R14 (SBR)	TJA,T	2875	8.0
KPM41, KDM41		175/80R13 (SBR)	TEG,H	2875	8.0
KPL41, KDL41		P185/70HR14 (SBR)	TJE	2875	7.4
KPM45, KDM45	Auto	P185/70R14 (SBR)	TJA,T	3000	7.7
		P175/80R13 (SBR)	TEG,H	3000	7.7
KCP45	Auto	P185/70R14 (SBR)	TJA,T	3125	8.5
KCP41	Auto	P185/70R14 (SBR)	TJA,T	3000	8.9
HCH44, HDH44	Auto, M5	P185/70R14 (SBR)	TJA,T	3125	7.6
		P205/60HR15 (SBR)	TPR	3125	7.0
<u>MODELS</u>	<u>TRANS.</u>	<u>TIRES</u>	<u>TIRE CODE</u>	<u>TEST WEIGHT (LBS.)</u>	<u>COASTDOWN H.P.</u>
HCP44	Auto, M5	P185/70R14 (SBR)	TJA,T	3125	7.6
		P205/60HR15 (SBR)	TPR	3125	7.0
HDS44	Auto, M5	P195/70R14 (SBR)	TKJ	3125	7.1
EEH41, EJH41	Auto	P185/70R14 (SBR)	TJT	3000	8.7
EEM41, EJM41					
ETP41	Auto	P185/75R14 (SBR)	TJU	3125A	8.8
GVH24, GCH24	Auto, M5	P185/70R14 (SBR)	TJA	3125	6.6
JDH21, JCH21	M5, Auto	P185/75R14 (SBR)	TJP	3125	6.7
JCP21, JDS21		P205/60HR15 (SBR)	TPR	3125	6.3
JDH27, JCP27		P195/70R14 (SBR)	TKR	3125A	5.9

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A -9-167

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

Manufacturer CHRYSLER CORPORATION

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Engine Family HCR2.5V5FBE2

Engine Code M-2

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

CID (Liter)-Type 135(2.2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label Ident.
				POWER MODULE Part No.	THROTTLE BODY Part No.	Part No.	Part No.
M-2 M-5+	PPL24,PDL24, (KPM21,KDM21)++ KDL41,KPL41,	M5	2750	5226765	4275622 4288294 4307294 4307622	4287808 4287812*	VECI 4405143*** VAC. HOSE 4405706
	PPH24,PDH24 PPH44,PDH44, (KPM45,KDM45)++ KPM41,KDM41, PPL44,PDL44**		2875				
	HDH44,HCH44, KDM45,KPM45		3000				
	HDS44,HCP44++		3125				
	(KPL21,KDL21)++		2625				

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 - 12/03/85

Revised - 03/07/86: Running Change 44C, dated 03/01/86. (Release optional cooling system thermostat & EGR valve.)

**Revised - 09/27/86: Running Change 116c, dated 09/22/86. Production test weight update.

***Revised - 10/23/86: Correction of errata.

+Revised - 11/03/86: R.C. 111C dated 10/24/86. Logic module calibration change.

071080 +Revised - 01/15/87: R.C. 131C. Production vehicle test weight update.

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A -9-167

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

Manufacturer CHRYSLER CORPORATION

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Engine Family HCR2.5V5FBE2

Engine Code M-3

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

CID (Liter)-

Type 152(2.5)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System POWER MODULE Part No.	Fuel System THROTTLE BODY Part No.	EGR Valve Part No.	Label Ident. Part No.
M-3	GCH24	M5	3000	5226765	4275623	4287808	VECI
M-6***	JDH21, JCH21, JCP21, JDS21, JDH27, JCP27, HDH44, HCH44, HCP44, HDS44, GVH24		3125		4288295 4307295 4307623	4287812*	4405144** VAC. HOSE 4405706

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 - 12/03/85
 Revised - 03/07/86: Running Change 44C, dated 03/01/86. (Release optional cooling system thermostat & EGR valve.)
 **Revised - 10/08/86: Correction of Errata
 ***Revised - 11/03/86: Running Change 111C dated 10/26/86. Logic module calibration change.

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER CORPORATION Page 4

Engine Family HCR2.5V5FBE2 Engine Code A-2

ECS (Special Features) (EFI), EGR, TWC, CL CID (Liter)-Type 135(2.2)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System	Fuel System	EGR Valve	Label Ident.
				POWER MODULE Part No.	THROTTLE BODY Part No.	Part No.	Part No.
A-2	KPL21, KDL21 (KPL41, KDL41)+	A3	2750	5226765	4275622 4288294 4307294 4307622	4287807 4287811*	VECI
A-5***	PPL24, PDL24, PPH24, PDH24, PPL44, PDL44, PPH44, PDH44, KPM21, KDM21, KPM41, KDM41		2875				4405143**
	EJM41, EEM41, EJH41, EEH41, KCP41, KPM45, KDM45		3000				VAC. HOSE 4405706
	HDH44, HCH44, HCP44, HDS44		3125				

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 - 12/03/85

Revised - 03/07/86: Running Change 44C, dated 03/01/86. (Release optional cooling system thermostat & EGR valve.)

**Revised - 10/23/86: Correction of errata.

***Revised - 11/03/86: Running Change 111C dated 10/24/86. Logic module calibration change.

+Revised - 01/14/87: R.C. 131C. Production vehicle test weight update.

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-9-167

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

Manufacturer CHRYSLER CORPORATION

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Engine Family HCR2.5V5FBE2

Engine Code A-3

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

CID (Liter)-
Type

152(2.5)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equip. Test Weight	Ign. System POWER MODULE Part No.	Fuel System THROTTLE BODY Part No.	EGR Valve Part No.	Label Ident. Part No.				
A-3	KPM21, KDM21	A3	2875	5226765	4275623	4287807	VECI				
A-4**	(KPM41, KDM41)+++		3000					4288295	4287811*	4405144+	
A-6++	EJM41, EEM41, EJH41, EEH41, KPL41, KDL41,							4307295			VAC. HOSE
	KCP41, KPM45, KDM45							4307623			4405706
	JDH21, JCH21, JCP21, JDS21, GVH24, GCH24, HDH44, HCH44, HCP44, HDS44, KCP45+++							3125			
	JDH27, JCP27, ETP41+++							3250			
	KPH21, KDH21***							2875			
	KPH41, KDH41, *** KPH45, KDH45		3000								

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.

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Date of Issue - 12/03/85

*Revised - 03/07/86: Running Change 44C dated 03/01/86. (Release optional cooling system thermostat & EGR valve.)

**Revised - 03/19/86: Running Change 47C dated 03/12/86. (Revise torque converter lock up calibration in the logic module.)

***Revised - 10/01/86: Running Change 91C dated 09/25/86. (Addition of models)

D71080+Revised - 10/23/86: Correction of errata.

++Revised - 11/03/86: Running Change 111C dated 10/24/86. Logic module calibration change.

+++Revised - 01/15/87: R.C. 131C. Production vehicle test weight update.

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-9-167

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

Manufacturer CHRYSLER CORPORATION

Page 5

Engine Family HCR2.5V5FBE2

Engine Code A-3

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

CID (Liter)-Type 152(2.5)-SOHC4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System POWER MODULE Part No.	Fuel System THROTTLE BODY Part No.	EGR Valve Part No.	Label Ident. Part No.
A-3	KPM21, KDM21 (KPM41, KDM41)+++	A3	2875	5226765	4275623	4287807	VECI
A-4**	EJM41, EEM41,		3000		4288295	4287811*	4405144+
A-6++	EJH41, EEH41, KPL41, KDL41,				4307295		VAC. HOSE
	KCP41, KPM45, KDM45				4307623		4405706
	JDH21, JCH21, JDS 21, GVH24, GCH24, HDH44, HCH44, HCP44, HDS44, KCP45+++		3125				
	JDH27, JCP27, ETP41+++ JCP21		3250				
	KPH21, KDH21***		2875				
	KPH41, KDH41, *** KPH45, KDH45		3000				

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.

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Revised - 03/07/86: Running Change 44C dated 03/01/86. (Release optional cooling system thermostat & EGR valve.)

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***Revised - 10/01/86: Running Change 91C dated 09/25/86. (Addition of models)

071080+Revised - 10/23/86: Correction of errata.

++Revised - 11/03/86: Running Change 111C dated 10/24/86. Logic module calibration change.

+++Revised - 01/15/87: R.C. 131C. Production vehicle test weight update.