

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-175
Relating to Certification of New Motor Vehicles

CHRYSLER MOTORS 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 1988 model-year Chrysler Motors 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>
JCR2.2V5FAD7	135 (2.2)	Three-Way Catalyst Heated Oxygen Sensor (Electronic Fuel Injection) (Turbocharger) (On-Board Diagnostics)

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>
0.22	2.1	0.3

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 1988 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 the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, Section 1968) 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 10th day of March, 1987.



K. D. Drachand, Chief
Mobile Source Division

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR2.2V5FAD7
 Evaporative Family JCRVA Engine Type SOHC IN LINE 4
 Liters (CID) 2.2 (135)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
 ECU-Electronic Control Unit
 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

Exhaust Emissions Control System

AIP-Air Injection-Pump
 AIV-Air Injection-Valve
 DBC-Dual Bed Catalyst
 EGR-Exhaust Gas Recirculation
 EIC-Electronic Injection Control
 EM-Engine Modification
 OC-Oxidation Catalyst
 OS-Oxygen Sensor
 HOS-Heated Oxygen Sensor
 SPL-Smoke Puff Limiter or Throttle Delay
 TOC-Trap Oxidizer, Continual
 TOP-Trap Oxidizer, Periodical
 TWC-Three-Way Catalyst
 WUOC-Warm-Up Oxidation Catalyst
 WUTWC-Warm-Up Three-Way Catalyt

Special Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection or Throttle Body Injection
 DID-Diesel Injection-Direct
 DIP-Diesel Injection-Prechamber
 EFI-Electronic Fuel Injection
 IC-Intercooler or Aftercooler
 MFI-Mechanical Fuel Injection
 OBD-On-Board Diagnostics
 TC-Turbocharger

VEHICLE MODELS:

ETP41
 JCH21, JCP21, KCP41,
 JCH27, JCP27
 KCP45
 HCH44, HCP44
 EEH41, EEM41
 GVH24, GVP24
 HDH44, HDS44
 PDH24, PDH44
 EJH41, EJM41
 PH4, PPH44

CARLINE:

CHRYSLER NEW YORKER TURBO
 CHRYSLER LEBARON
 CHRYSLER TOWN & COUNTRY WAGON
 CHRYSLER LEBARON GTS
 DODGE 600
 DODGE DAYTONA
 DODGE LANCER
 DODGE SHADOW
 PLYMOUTH CARAVELLE
 PLYMOUTH SUNDANCE

Engine: Front XX Mid. _____ Rear _____
 Drive: FWD XX RWD _____ 4WD Full Time _____ 4WD Part Time _____

Passenger Cars X Light-Duty Trucks Medium-Duty Vehicles Gas X Diesel Page 2

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR2.2V5FAD7

Liter (CID) 2.2 (135) Eng. Type SOHC IN LINE 4

Emission Control Sys. (Special Features) TWC, HOS, (EFI), (TC)

Engine Code	Vehicle Models (If Coded see attachment) See Attachment For (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)	Fuel System THROTTLE BODY	EGR Valve	Catalys
				Part No.	Part No.	Part No.	Part No.
M-1	PPH24, PDH24, PPH44, PDH44	M5	3000	5233022 5233706*	4307617 4307632	NONE	4301682 4301725 4301734 4301735 4301736
	JCH21, GVH24, HDH44, HCH44, HDS44, HCP44		3125	5233988**			
	GVP24, JCP21, JCH27, JCP27		3250 +				
M-3	PDH24		3000				
M-4***	PPH24, PDH24, PPH44, PDH44		3000	5233900			
	JCH21, GVH24, HDH44, HCH44, HCP44, HDS44		3125				
	JCP27, GVP24, JCP21, JCH27		3250 +				
M-5***	PDH24		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.

Date of Issue _____

Revisions: *04-03-87: R.C. 14, Revise ECU calibration.
 **06-03-87: R.C. 31, Revise OBD Portion of the ECU.
 ***07-27-87: R.C. 23C, Revise ECU calibration.
 +02-12-88: R.C. 79C - Production weight update.

Passenger Cars Light-Duty Trucks _____ Medium-Duty Vehicles _____ Gas Diesel _____
 Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR2.2V5FAD7

Liter (CID) 2.2 (135) Eng. Type SOHC IN LINE 4
 Emission Control Sys. (Special Features) TWC, HOS, (EFI), (TC)

Engine Code	Vehicle Models (If Coded see attachment) See Attachment For (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System THROTTLE BODY Part No.	EGR Valve Part No.	Cataly Part No.
A-1	PPH24, PDH24, PPH44, PDH44, EJM41, EEM41, EJH41, (KPH45, KDH45)++EEH41	A3	3000+++	5233020 5233702* 5233984**	4307616 4307630	NONE	4301682 4301725 4301734 4301735 4301736
	JCH21, HCH44 GVH24, KCP41, HDH44, HDS44		3125+++				
	JCP21, JCH27, JCP27, ETP41, GVP24, HCP44, KCP45, (GVS24, GVX24)+		3250				
A-3***				5233896***			

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.

of Issue _____ Revisions: *04-03-87: R.C. 14, Revise ECU calibration.
 **06-03-87: R.C. 31, Revise OBD Portion of the ECU.
 ***06-12-87: R.C. 25C, Revise ECU's calibration.
 +07-13-87: R.C. 21C, Addition of Models.
 ++08-04-87: R.C. 47C, Addition of Models.
 +++02-12-88: R.C. 79C - Production weight update.

Passenger Cars X Light-Duty Trucks Medium-Duty Vehicles Gas X Diesel Page 4

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR2.2V5FAD7

Liter (CID) 2.2 (135) Eng. Type SOHC In Line 4

Emission Control Sys. (Special Features) TWC,HOS,(EFI),(TC)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Throttle Body Part No.	EGR Valve Part No.	Catalys Part No.
M-6	PPH24,PDH24, PPH44,PDH44		3000	5233254	4307617 4307632	NONE	4301682 4301725 4301734 4301735 4301736
M-8*	JCH21,GVH24 HDH44,HCH44, HCP44,HDS44		3125				
	GVP24,JCP21, JCH27,JCP27		3250+				
M-7 M-9*	PDH24		3000				
M-4 M-5*	PPH24,PDH24, PPH44,PDH44, EJM41,EEM41, EJH41,(KPH45, KDH45)++	A3	3000	5233252	4307616 4307630		
	JCH21,EEH41, GVH24,KCP41, HDH44		3125				
	JCP21,JCH27, JCP27,ETP41, GVP24,HCH44, HCP44,HDS44, KCP45,(GVS24, GVX24)+		3250				

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 09-24-87 Revisions: *09-25-87: R.C. #57C. Release 0° Overlap Camshaft.
 R.C. #53C. Revise ECU Calibration. +02-12-88: R.C. #79C. Production weight update.
 Raise Coolant Temp Point 10° for
 030186 Hot Spark Transfer.

ENGINE CODE	M-1	TRANS TYPE	OATG		TIRES		TIRE TREAD SALES CODE	(TYPE)	N/V STD MIN MAX	ROAD LOAD HP	A/C DRIVE HP	CURB WEIGHT TOTAL	TEST WT	INERT.	VEHICLE MODEL
			STD	MIN	MAX	STD									
		M5	2.51	2.51	2.51	P185/70R14	TJITAD6DY	SBR	36.1	7.9	8.7	1656	3000	3000	PPH24
			2.51	2.51	2.51	P185/70R14	TJITAD6DY	SBR	36.1	7.9	8.7	1667	3000	3000	PDH24
			2.51	2.51	2.51	P205/50VR15	TPHTAD6DY	SBR	38.0	7.4	8.1	1668	3000	3000	PPH44
									1679	2709	3000	3000	3000	3000	PDH44
		M5	2.51	2.51	2.51	P195/70R14	TKSTAD6DY	SBR	35.3	6.3	6.9	1772	3125	3000	JCH21
			2.51	2.51	2.51	P195/70R14	TKSTAD6DY	SBR	35.3	6.3	6.9	1772	3125	3000	JCH21
			2.51	2.51	2.51	P205/60HR15	TPXTAD6DY	SBR	35.4	5.8	6.3	1772	3125	3000	JCH21
		M5	2.51	2.51	2.51	P195/70R14	TKSTAD6DY	SBR	35.3	6.3	6.9	1786	3125	3000	JCP21
			2.51	2.51	2.51	P195/70R14	TKSTAD6DY	SBR	35.3	6.3	6.9	1786	3125	3000	JCP21
			2.51	2.51	2.51	P205/60HR15	TPXTAD6DY	SBR	35.4	5.7	6.2	1786	3125	3000	JCP21
		M5	2.51	2.51	2.51	P195/70R14	TKSTAD6DY	SBR	35.3	7.5	8.2	1778	3125	3000	JCH27
			2.51	2.51	2.51	P195/70R14	TKSTAD6DY	SBR	35.3	7.5	8.2	1785	3125	3000	JCP27
			2.51	2.51	2.51	P205/60HR15	TPXTAD6DY	SBR	35.4	6.6	7.3	1785	3125	3000	JCP27
		M5	2.51	2.51	2.51	P185/70R14	TJITAD6DY	SBR	36.1	6.3	6.9	1746	3125	3000	GVH24
			2.51	2.51	2.51	P195/70R14	TKRTAD6DY	SBR	35.3	5.6	6.2	1746	3125	3000	GVH24
			2.51	2.51	2.51	P185/70R14	TJITAD6DY	SBR	36.1	6.3	6.9	1746	3125	3000	GVH24
		M5	2.51	2.51	2.51	P205/60HR15	TPXTAD6DY	SBR	35.4	6.3	6.9	1796	3250	3000	GVP24
			2.51	2.51	2.51	P205/60HR15	TPXTAD6DY	SBR	35.4	6.3	6.9	1796	3250	3000	GVP24
			2.51	2.51	2.51	P205/60HR15	TPXTAD6DY	SBR	35.4	6.3	6.9	1796	3250	3000	GVP24
		M5	2.51	2.51	2.51	P185/70R14	TJITAD6DY	SBR	36.1	7.3	8.0	1748	3125	3000	HDH44
			2.51	2.51	2.51	P195/70R14	TKRTAD6DY	SBR	35.3	6.3	6.9	1762	3125	3000	HCH44
			2.51	2.51	2.51	P185/70R14	TJITAD6DY	SBR	36.1	7.3	8.0	1762	3125	3000	HCH44
		M5	2.51	2.51	2.51	P195/70R14	TKRTAD6DY	SBR	35.3	6.3	6.9	1754	3125	3000	HCP44
			2.51	2.51	2.51	P195/70R14	TKRTAD6DY	SBR	35.3	6.3	6.9	1754	3125	3000	HCP44
			2.51	2.51	2.51	P205/60HR15	TPXTAD6DY	SBR	35.4	6.3	6.9	1754	3125	3000	HCP44
		M5	2.51	2.51	2.51	P195/70R14	TKRTAD6DY	SBR	35.3	6.3	6.9	1777	3125	3000	HDS44
			2.51	2.51	2.51	P195/70R14	TKRTAD6DY	SBR	35.3	6.3	6.9	1777	3125	3000	HDS44
			2.51	2.51	2.51	\$P205/60VR15	TPETAD6DY	SBR	35.4	\$ 6.7	\$ 7.4	1777	3125	3000	HDS44

ISSUE DATE: 6/23/86
 REV 8/ 5/86 11/13/86
 9/16/86 1/16/87
 10/ 7/86 \$ 1/23/87
 10/27/86
 10/30/86

1981
 ENGINE FAMILY JCR2-2V5FAD7
 DISPLACEMENT 2.2L
 EXHAUST CONTROL SYSTEM 3CL MPI TUR
 EVAPORATIVE CONTROL SYSTEM CANISTER
 CATALYST CODE FAD

CHRYSLER CORPORATION
 VEHICLE DESCRIPTIONS
 CALIFORNIA

PROJECTED SALES
 EVAP FAMILY
 EVAP CODE
 JCRVA
 A

ENGINE CODE	TRANS CODE	QATG STD	TIRES STD	TIRE TREAD SALES CODE	N/V STD MIN MAX	ROAD LOAD HP	A/C HP	DRIVE AXLE TOTAL	TEST WT	INERT.	VEHICLE MODEL
M-3	M5	2.74	P205/50VR15	TPHTADGDY	41.5	7.4	8.1	1667	3000	3000	\$POH24
		2.74	P205/50VR15	TPHTADGDY	41.5	7.4	8.1				
		2.74	P205/50VR15	TPHTADGDY	41.5	7.4	8.1				

ISSUE DATE: 2/16/87
 REV \$ 2/20/87

ATTACHMENT TO PGS 2 & 3 - SDS E.O. A-9-175

10.-A 2301

ENGINE CODE	ENGINE TYPE	TRANS CODE	OATG		TIRES		TIRE TREAD SALES CODE	N/V STD MIN MAX	ROAD LOAD HP	A/C DRIVE HP	CURB WEIGHT TOTAL	TEST WT	INERT.	VEHICLE MODEL	JCRVA A
			STD MIN	MAX	STD MIN	MAX									
A-1	A3	AN	3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	7.9	8.7	1690	3000	3000	PPH24	\$ 249
			3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	7.9	8.7	1701	3000	3000	POH24	\$ 726
			3.02	3.02	P205/50VR15	P205/50VR15	TPHTAD6DY	45.8	7.4	8.1	1702	3000	3000	PPH44	\$ 208
											1713	3000A	3000	PDH44	\$ 609
A-1	A3	AN	3.02	3.02	P195/70R14	P195/70R14	TKSTAD6DY	42.4	6.3	6.9	1810	3125A	3000	JCH21	\$ 2490
			3.02	3.02	P195/70R14	P195/70R14	TKSTAD6DY	42.4	6.3	6.9	1824	3250	3000	JCP21	\$ 1738
			3.02	3.02	P205/60HR15	P205/60HR15	TPXTAD6DY	42.6	5.7	6.2					
A-1	A3	AN	3.02	3.02	P195/70R14	P195/70R14	TKSTAD6DY	42.4	7.5	8.2	1816	3250	3000	JCH27	\$ 598
			3.02	3.02	P195/70R14	P195/70R14	TKSTAD6DY	42.4	7.5	8.2	1823	3250	3000	JCP27	\$ 619
			3.02	3.02	P205/60HR15	P205/60HR15	TPXTAD6DY	42.6	6.6	7.3					
A-1	A3	AN	3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	7.9	8.7	1735	3000A	3000	EJM41	\$ 124
			3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	7.9	8.7	1738	3000A	3000	EEM41	\$ 23
			3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	7.9	8.7	1738	3000A	3000	EJH41	\$ 105
											1741	3125	3000	EEH41	\$ 105
A-1	A3	AN	3.02	3.02	P185/75R14	P185/75R14	TJUTAD6DY	42.1	8.0	8.8	1799	3250	3000	ETP41	\$ 1008
			3.02	3.02	P185/75R14	P185/75R14	TJUTAD6DY	42.1	8.0	8.8					
			3.02	3.02	P185/75R14	P185/75R14	TJUTAD6DY	42.1	8.0	8.8					
A-1	A3	AN	3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	6.3	6.9	1781	3125	3000	GVH24	\$ 413
			3.02	3.02	P195/70R14	P195/70R14	TKRTAD6DY	42.4	5.6	6.2					
			3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	6.3	6.9					
A-1	A3	AN	3.02	3.02	P205/60HR15	P205/60HR15	TPXTAD6DY	42.6	6.3	6.9	1831	3250	3000	GVP24	\$ 827
			3.02	3.02	P205/60HR15	P205/60HR15	TPXTAD6DY	42.6	6.3	6.9					
			3.02	3.02	P205/60HR15	P205/60HR15	TPXTAD6DY	42.6	6.3	6.9					
A-1	A3	AN	3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	8.1	8.9	1771	3125	3000	KCP41	\$ 540
			3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	8.1	8.9					
			3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	8.1	8.9					
A-1	A3	AN	3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	7.3	8.0	1782	3125	3000	HDH44	\$ 254
			3.02	3.02	P195/70R14	P195/70R14	TKRTAD6DY	42.4	6.3	6.9	1796	3250	3000	HCH44	\$ 886
			3.02	3.02	P185/70R14	P185/70R14	TJTTAD6DY	43.4	7.3	8.0					

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 REV 8/ 5/86 11/13/86
 9/16/86 \$ 1/16/87
 10/ 7/86
 10/14/86
 10/27/86

ENGINE CODE	TRANS TYPE CODE	OATG			TIRES			TIRE TREAD SALES CODE	CATALYST CODE	EXHAUST CONTROL SYSTEM	ROAD LOAD HP	CURB WEIGHT			TEST WT	INERT.	VEHICLE MODEL
		STD	MIN	MAX	STD	MIN	MAX					A/C HP	DRIVE AXLE	TOTAL			
A-1	A3 AN	3.02	3.02	3.02	P195/70R14	P195/70R14	P205/60HR15	TKRTADGDY	SBR	2.2L	6.3	6.9	1788	3250	3000	HCP44	1200
A-1	A3 AN	3.02	3.02	3.02	P195/70R14	P195/70R14	\$P205/60VR15	TKRTADGDY	SBR	2.2L	6.3	6.9	1811	3250	3000	HDS44	747
A-1	A3 AN	3.02	3.02	3.02	P185/70R14	P185/70R14	P185/70R14	TJTTADGDY	SBR	2.2L	7.7	8.5	1751	2897	3000	KCP45	227

ISSUE DATE: 10/14/86
 REV 10/27/86
 10/30/86
 11/13/86
 1/16/87
 \$ 1/23/87

ATTACHMENT TO PGS 2 & 3 - SDS E.O. A-9-175

10.-A 2310