State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-180
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 1989 model-year Chrysler Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems (Special Features)
KCR2.5V5FCE9	2.5	(152)	Exhaust Gas Recirculation Three-Way Catalyst Heated Oxygen Sensor (Central Fuel Injection) (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:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.39	7.0	0.4

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.11	4.6	0.1

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 vehicle models listed 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 11th day of January, 1988.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-9-180

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Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR2.5V5FCE9

Evaporative Family KCRVB Engine Type SOHC 4

Liters (CID) 2.5 (152)

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, EPFI, MPFI, SFI,
DID, DIP, HOS, OS
nV-nVenturi Carburetor
VV-Variable Venturi Carburetor

Exhaust Emissions Control System

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

Special Features

CFI-Central Fuel Injection or Throttle Body Injection
EPFI-Electronic Port Fuel Injection
MPFI-Mechanical Port Fuel Injection
SFI-Sequential Fuel Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
TC-Turbocharger
SC-Supercharger
IC-Intercooler or Aftercooler
CCV-Combustion Chamber Valve
OBD-On-Board Diagnostics

VEHICLE MODELS:	CARLINE:
JCH21,JCP21	Chrysler LeBaron
HCH44,HCP44	Chrysler LeBaron GTS
JCH27,JCP27	Chrysler LeBaron Convertible
CDH41,CDP41	Dodge Dynasty
ADH41,ADP41	Dodge Spirit
KDH21,KDH41	Dodge Aries
EEH41,EEM41	Dodge 600
GVH24,GVL24	Dodge Daytona
HDH44,HDS24	Dodge Lancer
PDH24,PDH44	Dodge Shadow
[illegible]H27	Dodge Shadow Convertible
KPH21,KPH41	Plymouth Reliant

(continued)

Engine: Front X Mid. ____ Rear ____

Drive: FWD X RWD ____ 4WD Full Time ____ 4WD Part Time ____

ATTACHMENT TO SDS
PAGE 1, EXECUTIVE ORDER A-9-180

VEHICLE MODELS:	CARLINE:
EJH41,EJM41	Plymouth Caravelle
PPH24,PPH44	Plymouth Sundance
PPH27	Plymouth Sundance Convertible
APH41,APP41	Plymouth Acclaim

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

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR2.5V5FCE9

Liter (CID) 2.5 (152) Eng. Type SOHC 4

Emission Control Sys. (Special Features) TWC,HOS,EGR,(CFI-EL),(OBD)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst Part No.
A-1	KPH21,KDH21 KPH41,KDH41	A3	2875	5234062 5234064	4288297 4307297	4287175	4427030 4427072 4427172
	PPH24,PDH24 PPH44,PDH44 EJM41,EEM41 EJH41,EEH41		3000				
	PPH27,PDH27 GVL24,HDH44 HCH44,HCP44 HDS44,APH41 ADH41		3125				
	JCH21,JCP21 GVH24,APP41 ADP41		3250				
	JCH27,JCP27 CDH41,CDP41		3375				

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: 01-14-88: Correction of Errata.

030186

1989 CALIFORNIA 2.5L TBI PASSENGER CAR
TEST WEIGHT AND HORSEPOWER

MODELS	TRANS	TIRES	TIRE CODE	TEST WEIGHT (LBS.)	COASTDOWN H.P.
APH41	M5	P185/70R14	TJ1 TAD GDY	3125	8.1
	M5	P185/70R14	TJ1 TAD MIC	3125	8.1
	AUTO	P195/70R14	TJ1 TAD GDY	3250	8.1
	AUTO	P195/70R14	TJ1 TAD MIC	3250	8.1
ADH41	M5	P195/70R14	TKS TAD GDY	3125	7.0
	M5	P195/70R14	TKS TAD MIC	3125	7.0
	AUTO	P195/70R14	TKS TAD GDY	3250	7.0
	AUTO	P195/70R14	TKS TAD MIC	3250	7.0
APP41	M5	P195/70R14	TKS TAD GDY	3125	7.0
	M5	P195/70R14	TKS TAD MIC	3125	7.0
	AUTO	P195/70R14	TKS TAD GDY	3250	7.0
	AUTO	P195/70R14	TKS TAD MIC	3250	7.0
ADP41	M5, AUTO	P195/70R14	TKS TAD GDY	3250	7.0
	M5, AUTO	P195/70R14	TKS TAD MIC	3250	7.0
	M5, AUTO	P205/60R15	TPX TAD GDY	3250	6.3
	M5, AUTO	P205/60R15	TPX TAD MIC	3250	6.8

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1989 CALIFORNIA 2.5L TBI PASSENGER CAR
TEST WEIGHT AND HORSEPOWER

MODELS	TRANS	TIRES	TIRE CODE	TEST WEIGHT (LBS.)	COASTDOWN H.P.
CDH41, CDP41	AUTO	P195/75R14	TKL TAD GDY	3500	8.2
EEH41, EEM41	AUTO	P185/70R14	TJ2 TAD GDY	3000	8.6
EJH41, EJM41	AUTO	P185/70R14	TJ2 TAD MIC	3000	8.6
GVL24	M5, AUTO	P185/70R14	TJ1 TAD GDY	3125	7.0
	M5, AUTO	P185/70R14	TJ1 TAD MIC	3125	7.0
GVH24	M5, AUTO	P205/60R15	TPX TAD GDY	3125	6.2
	M5, AUTO	P205/60R15	TPX TAD MIC	3125	6.9
	M5, AUTO	P205/60R15	TPX TAD GDY	3250	6.2
	M5, AUTO	P205/60R15	TPX TAD MIC	3250	6.9
HCH44, HDH44	M5, AUTO	P195/70R14	TKS TAD GDY	3125	8.2
HCP44, HDS44	M5, AUTO	P195/70R14	TKS TAD MIC	3125	7.4
	M5, AUTO	P195/70R14	TKR TAD GDY	3125	6.7
	M5, AUTO	P195/70R14	TKR TAD MIC	3125	7.3
	M5, AUTO	P205/60R15	TPX TAD GDY	3125	6.6
	M5, AUTO	P205/60R15	TPX TAD MIC	3125	7.2

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1989 CALIFORNIA 2.5L TBI PASSENGER CAR
TEST WEIGHT AND HORSEPOWER

MODELS	TRANS	TIRES	TIRE CODE	TEST WEIGHT (LBS.)	COASTDOWN H.P.
JCH21	M5, AUTO	P195/70R14	TKS TAD GDY	3250	7.4
	M5, AUTO	P195/70R14	TKS TAD MIC	3250	6.6
	M5, AUTO	P195/70R14	TKT TAD GDY	3250	7.4
	M5, AUTO	P195/70R14	TKT TAD MIC	3250	6.6
	M5, AUTO	P205/60R15	TPX TAD GDY	3250	6.5
	M5, AUTO	P205/60R15	TPX TAD MIC	3250	6.1
	M5, AUTO	P205/55R16	TVK TAD GDY	3250	7.0
JCP21	AUTO	P195/70R14	TKS TAD GDY	3375	7.4
	AUTO	P195/70R14	TKS TAD MIC	3375	6.6
	AUTO	P195/70R14	TKT TAD GDY	3375	7.4
	AUTO	P195/70R14	TKT TAD MIC	3375	6.6
	AUTO	P205/60R15	TPX TAD GDY	3375	6.5
	AUTO	P205/60R15	TPX TAD MIC	3375	6.1
JCH27	M5, AUTO	P195/70R14	TKS TAD GDY	3375	8.4
	M5, AUTO	P195/70R14	TKS TAD MIC	3375	7.4
	M5, AUTO	P195/70R14	TKT TAD GDY	3375	8.4
	M5, AUTO	P195/70R14	TKT TAD MIC	3375	7.4
	M5, AUTO	P205/60R15	TPX TAD MIC	3375	7.7
	M5, AUTO	P205/60R15	TPX TAD GDY	3375	7.7
	M5, AUTO	P205/55R16	TVK TAD MIC	3375	8.8
JCP27	AUTO	P195/70R14	TKS TAD GDY	3375	8.4
	AUTO	P195/70R14	TKS TAD MIC	3375	7.4
	AUTO	P195/70R14	TKT TAD GDY	3375	8.4
	AUTO	P195/70R14	TKT TAD MIC	3375	7.4
	AUTO	P205/60R15	TPX TAD GDY	3375	7.7
	AUTO	P205/60R15	TPX TAD MIC	3375	7.7

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1989 CALIFORNIA 2.5L TBI PASSENGER CAR
TEST WEIGHT AND HORSEPOWER

MODELS	TRANS	TIRES	TIRE CODE	TEST WEIGHT (LBS.)	COASTDOWN H.P.
KDH21, KPH21	AUTO	P175/80R13	TEG TAD GDY	2875	8.4
KDH41, KPH41	AUTO	P175/80R13	TEG TAD MIC	2875	8.4
	AUTO	P185/70R14	TJ1 TAD GDY	2875	8.4
	AUTO	P185/70R14	TJ1 TAD MIC	2875	8.4
	AUTO	P185/70R14	TJ2 TAD GDY	2875	8.4
	AUTO	P185/70R14	TJ2 TAD MIC	2875	8.4

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1989 CALIFORNIA 2.5L TBI PASSENGER CAR
TEST WEIGHT AND HORSEPOWER

MODELS	TRANS	TIRES	TIRE CODE	TEST WEIGHT (LBS.)	COASTDOWN H.P.
PPH24	M5, AUTO	P185/70R14	TJ1 TAD GDY	3000	8.4
	M5, AUTO	P185/70R14	TJ1 TAD MIC	3000	8.4
	M5, AUTO	P185/70R14	TJV TAD GDY	3000	7.2
	M5, AUTO	P185/70R14	TJV TAD MIC	3000	8.0
PDH24	M5, AUTO	P185/70R14	TJ1 TAD GDY	3000	8.4
	M5, AUTO	P185/70R14	TJ1 TAD MIC	3000	8.4
	M5, AUTO	P185/70R14	TJV TAD GDY	3000	7.2
	M5, AUTO	P185/70R14	TJV TAD MIC	3000	8.0
	M5, AUTO	P195/60R15	TNK TAD GDY	3000	7.5
	M5, AUTO	P195/60R15	TNK TAD MIC	3000	7.5
PPH44	M5	P185/70R14	TJ1 TAD GDY	3000	8.4
	M5	P185/70R14	TJ1 TAD MIC	3000	8.4
	M5	P185/70R14	TJV TAD GDY	3000	7.2
	M5	P185/70R14	TJV TAD MIC	3000	8.0
	AUTO	P185/70R14	TJ1 TAD GDY	3125	8.4
	AUTO	P185/70R14	TJ1 TAD MIC	3125	8.4
	AUTO	P185/70R14	TJV TAD GDY	3125	7.2
	AUTO	P185/70R14	TJV TAD MIC	3125	8.0
PDH44	M5	P185/70R14	TJ1 TAD GDY	3000	8.4
	M5	P185/70R14	TJ1 TAD MIC	3000	8.4
	M5	P185/70R14	TJV TAD GDY	3000	7.2
	M5	P185/70R14	TJV TAD MIC	3000	8.0
	M5	P195/60R15	TNK TAD GDY	3000	7.5
	M5	P195/60R15	TNK TAD MIC	3000	7.5
	AUTO	P185/70R14	TJ1 TAD GDY	3125	8.4
	AUTO	P185/70R14	TJ1 TAD MIC	3125	8.4
	AUTO	P185/70R14	TJV TAD GDY	3125	7.2
	AUTO	P185/70R14	TJV TAD MIC	3125	8.0
	AUTO	P195/60R15	TNK TAD GDY	3125	7.4
	AUTO	P195/60R15	TNK TAD MIC	3125	7.4

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1989 CALIFORNIA 2.5L TBI PASSENGER CAR
TEST WEIGHT AND HORSEPOWER

MODELS	TRANS	TIRES	TIRE CODE	TEST WEIGHT (LBS.)	COASTDOWN H.P.
PPH27	M5	P185/70R14	TJ1 TAD GDY	3125	9.3
	M5	P185/70R14	TJ1 TAD MIC	3125	9.3
	M5	P185/70R14	TJV TAD GDY	3125	8.0
	M5	P185/70R14	TJV TAD MIC	3125	8.9
	AUTO	P185/70R14	TJ1 TAD GDY	3250	9.3
	AUTO	P185/70R14	TJ1 TAD MIC	3250	9.3
	AUTO	P185/70R14	TJV TAD GDY	3250	8.0
	AUTO	P185/70R14	TJV TAD MIC	3250	8.9
PDH27	M5, AUTO	P185/70R14	TJ1 TAD GDY	3125	9.3
	M5, AUTO	P185/70R14	TJ1 TAD MIC	3125	9.3
	M5, AUTO	P185/70R14	TJV TAD GDY	3125	8.0
	M5, AUTO	P185/70R14	TJV TAD MIC	3125	8.9
	M5, AUTO	P195/60R15	TNK TAD GDY	3125	8.2
	M5, AUTO	P195/60R15	TNK TAD MIC	3125	8.2

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