State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-181
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 light-duty trucks:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
KCR3.9T5HFK7	3.9 (239)	Air Injection - Pump Three-Way Catalyst Heated Oxygen Sensor Exhaust Gas Recirculation (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:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0 - 3750	0.39	9.0	1.0
3751 - 5750	0.50	9.0	1.0

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

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0 - 3750	0.13	1.2	0.6
3751 - 5750	0.14	1.3	0.6

BE IT FURTHER RESOLVED: That the listed models in the 0-3750 lbs. loaded vehicle weight class are 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 vehicle manufacturer is certifing the listed models in the 0-3750 lbs. loaded vehicle weight class to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "in lieu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

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.) and (for the listed vehicle models in the 0-3750 lbs. loaded vehicle weight class) with the 2 year/24,000 mile warranty provisions of Health and Safety Code Section 43204.

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 18th day of January, 1988.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-9-181

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

ufacturer CHRYSLER MOTORS CORPORATION

Engine Family KCR3.9T5HFK7

Evaporative Family KCRTD

Engine Type OHV V/6

Liters (CID) 3.9 (239)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
ECU-Electronic Control Unit
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

el 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:	CARLINE:
D1E61,D1E62, D1L61,D1L62	DODGE D100/D150 PICKUP 2WD
D2L62	DODGE D250 PICKUP 2WD
B1E51,B1L51, B1L52,B2L52	DODGE B150/B250 WAGON 2WD
B1L11,B1L12,B1E11*, B2L11,B2L12,B1E12* B2L13	DODGE B150/B250 VAN 2WD
N1L31,N1L61, N1L62,N1S61	DODGE DAKOTA 2WD
N5L61,N5L62, 5S61	DODGE DAKOTA 4WD

Engine: Front X Mid. ____ Rear ____

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

E.O. # A-9-181

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR3.9T5HFK7

Liter (CID) 3.9 (239) Eng. Type OHV V/6

Emission Control Sys. (Special Features) AIP,EGR,TWC,HOS,(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 THROTTLE BODY Part No.	EGR Valve Part No.	Catalys Part No.
M-1	N1L31,N5L61	M5	4000	4379774	4307605	4287155	4218398
	N5L62,N5S61		4250		4458605		4218402
M-2	B1L11,B1L12,B1E11*		4250	4379764		4287152	4218410
	B2L11,B2L12,B1E12*						4218411
	B2L13		4500				4218499
	B1E51,B1L51, B1L52,B2L52		4750				4218631
M-3	D1E61,D1L61		3875	4379770			
	D1E62,D1L62		4000				
A-1	N1L61,N1L62, N1S61	A40D	3750	4379760		4287156	
	N1L31		4000				
	N5L61,N5L62, N5S61		4250				
	N1L61+		3625				

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: *02-15-88: R.C. 18TC - Addition of models.

030186

E.O. # A-9-181

19 89 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer CHRYSLER MOTORS CORPORATION Engine Family KCR3.9T5HFK7

Liter (CID) 3.9 (239) Eng. Type OHV V/6

Emission Control Sys. (Special Features) AIP,EGR,TWC,HOS,(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 THROTTLE BODY Part No.	EGR Valve Part No.	Catalys Part No.
A-2	D1E61,D1L61, D1E62,D1L62	A40D	4000	4379756	4307605 4458605	4287153	4218398 4218402 4218410 4218411 4218499 4218631
	B1L11,B1L12,B1E11* B2L11,B2L12,B1E12*		4250				
	B2L13		4500				
	B1E51,B1L51, B1L52,B2L52		4750				
A-3	D1L61	A-3	3875	4379754			
	D1E61,D1E62, D1L62		4000				
	B1L11,B1L12,B1E11* B2L11,B2L12,B1E12*		4250				
	B2L13,D2L62		4500				
	B1E51,B1L51, B1L52,B2L52		4750				

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: *02-15-88: R.C. 18TC - Addition of models.

030186

CHRYSLER MOTORS CORPORATION

1989 CALIFORNIA 3.9L MDV & LDT
KCR3.9T5HFK7 & KCR3.9T5HFM9 Families
Test Weight & H.P.

E.O. No. A-9-181

Model	Transmission	Test Wt.	Available Tires*	Tire Sales Code	Coastdown HP GDYR	Coastdown HP MICH
N1L31	M5,A40D	4000	P195/75R15	TNC	12.4	-
			P205/75R15	TPF,TPG	12.4	12.4
			P215/75R15	TME	12.4	-
			LT215/75R15D	TMK	-	11.7
N5L61	M5	4000	P195/75R15	TNC	14.3	-
N5L62		4000	P205/75R15	TPF,TPG	14.9	14.8
			P235/75R15XL	TSC	14.9	14.8
			P235/75R15XL	TSC,TSG,M&S	15.7	15.0
N5S61	M5,A40D	4250	P235/75R15XL	TSG,M&S	17.4	16.6
N1L61	A40D	3750	P195/75R15	TNC	12.4	-
N1S61	A40D,M5	3750	P205/75R15	TPF,TPG	12.4	12.5
N1L62	A40D,M5	3750	P215/75R15	TME	12.4	-
			LT215/75R15D	TMK	-	11.9
"5L61	A40D	4250	P195/75R15	TNC	14.5	-
			P205/75R15	TPF,TPG	15.1	14.9
			P235/75R15XL	TSC	15.1	14.9
			P235/75R15XL	TSC,TSG,M&S	15.7	15.1
N1L61	M5	3625	P195/75R15	TNC	12.4	-
			P205/75R15	TPF,TPG	12.4	12.5
			P215/75R15	TME	12.4	-
			LT215/75R15D	TMK	-	11.8
N1C61	M5,A40D	4500	LT215/75R15D	TMK	26.0	26.0
N1C62	M5,A40D	4500				

GDYR = Goodyear
MICH = Michelin
M&S = Mud & Snow
N1C = Cab Chassis

*Following tires are available for each model listed in column one.

ISSUE DATE: 11-17-87
REV:

1989 CALIFORNIA 3.9L MDV & LDT
KCR3.9T5HFK7 & KCR3.9T5HFM9 Families (cont'd.)
Test Weight & H.P.

E.O. No. A-9-181

Model	Transmission	Test Wt.	Available Tires*	Tire Sales Code	Coastdown HP GDYR	Coastdown HP MICH
D1E61	M5	3875	P195/75R15	TNC	15.3	-
D1L61	M5,A3	3875	P205/75R15	TPF,TPG	15.3	15.2
D1E62	M5,A40D,A3	4000	P235/75R15	TSC,TSD,TSF	15.3	15.2
D1L62	M5,A40D,A3	4000	P205/75R15	TPF,M&S	14.8	14.4
D1E61	A40D,A3	4000	P235/75R15XL	TSC,M&S	14.8	14.4
D1L61	A40D	4000				
D2L62	A3	4500	LT215/85R16C	TVF	16.4	15.9
			LT215/85R16D	TVG	16.4	15.9
			LT235/85R16E	TWV	16.4	15.9
			7.50x16D	TVB,TVC	17.2	-
			7.50x16D	TVB,TVC,M&S	17.2	-
			LT215/85R16D	TVD,M&S	16.1	15.9
			LT235/85R16E	TWM,M&S	16.1	16.4
B1L11	M5,A40D,A3	4250	P195/75R15	TNC	15.8	-
B2L11	M5,A40D,A3	4250	P205/75R15	TPF,TPG	15.8	15.0
B1L12	M5,A40D,A3	4250	P225/75R15	TRE,TRF	15.8	-
B2L12	M5,A40D,A3	4250	P235/75R15XL	TSC,TSD,TSF	15.8	15.0
B1E11	M5,A40D,A3	4250				
B1E12	M5,A40D,A3					
B2L13	M5	4500	P205/75R15	TPF,TPG	15.5	14.6
			P225/75R15	TRE,TRF	15.5	-
			P235/75R15XL	TSC,TSD,TSF	15.5	14.6
B1E51	M5,A40D,A3	4750	P205/75R15	TPF,TPG	17.0	16.1
B1L51	M5,A40D,A3	4750	P225/75R15	TRE,TRF	17.0	-
B1L52	M5,A40D,A3	4750	P235/75R15XL	TSC,TSD,TSF	17.0	16.1
B2L52	M5,A40D,A3	4750				
B2L13	A40D,A3	4500	P205/75R15	TPF,TPG	16.0	15.2
			P225/75R15	TRE,TRF	16.0	-
			P235/75R15XL	TSC,TSD,TSF	16.0	15.2

GDYR = Goodyear
MICH = Michelin
M&S = Mud & Snow

*Following tires are available for each model listed in column one.

ISSUE DATE: 11-17-87
REV: