

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-102  
Relating to Certification of New Motor Vehicles

AMERICAN 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 American Motors Corporation emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JAM2.5V6LAC5	2.5 (150)	Exhaust Gas Recirculation Three-Way Catalyst heated Oxygen Sensor (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>
0.09	1.7	0.2

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 vehicle models listed have been granted an exemption from compliance with the requirements of 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 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 26<sup>th</sup> day of June, 1987.

  
K. D. Drachand, Chief  
Mobile Source Division

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation Engine Family JAM 2.5 V5 LA C5  
 Evaporative Family JV-2.5J-1P Engine Type I4  
 Engine Liters (CID) 2.5 (150)

## 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 Catalyst

## VEHICLE MODELS:

55 = Premier 4-Door Sedan

Special Features

CCV - Combustion Chamber Valve  
 CFI - Central Fuel 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 - Turbocharged

ENGINE: FRONT X MID \_\_\_\_\_ REAR \_\_\_\_\_

DRIVE: FWD X RWD \_\_\_\_\_ 4WD FULL TIME \_\_\_\_\_ 4WD PART TIME \_\_\_\_\_

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETPassenger Cars X Light-Duty Trucks     Medium-Duty Vehicles     Gas X Diesel    Manufacturer American Motors Corporation Engine Family JAM 2.5 V5 LA C5Liter (CID) 2.5 (150) Engine Type I4Emission Control System  
(Special Features) EGR + HOS + TWC (CFI)

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans Type	Equiv. Test Weight	Ign. System/ECU ESAC, ECU Part No.	Fuel System CL, CFI Part No.	EGR Valve Part No.	Catalyst Part No.
5M1	55	M5	3250	8933004503 8933004581	8933002850	8933004085	25104419 25101213 950221
5M2	55		3125				
5A1	55	A4	3250	8933004502 8933004580	8933002849		
5A2	55		3125				
5A3	55		3250	8933004683			
5A4	55		3125				
5M3	55	M5	3250	8933004682	8933002850		
5M4	55		3125				

Comments: CODES 5A3, 4, 5M3, 4, ADDED BY RIC BB BU 2.5-03.

(See Page 1 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: \_\_\_\_\_

Engine  
Family: JAM 2.5 V5 LA C5

1988 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

April 29, 1987

VEHICLE	VEHWT2.5					TIRES SHOWN Standard tire listed 1st Optional tires also listed						ROADLOAD HORSEPOWER & COASTDOWN TIMES			
	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	SIZE MODEL		PRESSURE		(%)	A/C		NON A/C		
								FR	RR	USAGE	(SEC.)	HP.	(SEC.)	HP.	
PREMIER 55 4-DDDR	2900	1861	3250	2.5L	M5	P185/75R14	XA4	30	30	20%	16.71	6.4	17.58	5.8	
						P185/75R14	INVECTA			5%	17.34	6.6	18.24	6.0	
						P195/70R14	XA4			65%	17.49	6.3	18.51	5.7	
						P195/70R14	INVECTA			5%	16.99	6.7	17.85	6.1	
						P205/70R14	GT4			4%	15.27	5.8	15.78	5.3	
						P205/70R14	EPX			1%	15.68	5.5	16.29	5.0	
	2860	1815	3125			P185/75R14	XA4	30	30	30%			17.16	5.7	
						P185/75R14	INVECTA			5%			17.83	5.9	
						P195/70R14	XA4			55%			17.96	5.6	
						P195/70R14	INVECTA			5%			17.46	5.0	
						P205/70R14	GT4			4%			15.54	5.1	
						P205/70R14	EPX			1%			15.82	4.9	
	2904	1865	3250	2.5L	A4	P185/75R14	XA4	30	30	20%	15.81	6.0	16.47	5.5	
						P185/75R14	INVECTA			5%	16.29	6.2	16.96	5.6	
						P195/70R14	XA4			65%	16.98	5.9	17.67	5.4	
						P195/70R14	INVECTA			5%	15.93	6.4	16.71	5.8	
						P205/70R14	GT4			4%	14.28	5.5	14.78	5.0	
						P205/70R14	EPX			1%	14.84	5.1	15.34	4.6	
	2864	1819	3125			P185/75R14	XA4	30	30	30%			16.32	5.3	
						P185/75R14	INVECTA			5%			16.83	5.4	
						P195/70R14	XA4			55%			17.27	5.3	
						P195/70R14	INVECTA			5%			16.65	5.5	
						P205/70R14	GT4			4%			14.66	4.8	
						P205/70R14	EPX			1%			15.25	4.4	