State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-72
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 1984 model-year American Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
EAM1.4V5FJD5	85	(1.4)	Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.39	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.23	3.5	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 1960.15 of Title 13, California Administrative Code which includes repair or replacement of 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 Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 22nd day of June, 1983.

K. D. Drachand, Chief
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation

Executive Order No. A-17-72

Engine Family EAM 1.4 V5 FJ D5

Evaporative Family EV-1.4D-2S

Engine CID (Liters) 85 (1.4)

ABBREVIATIONS:

Ignition System
- CA - Centrifugal Advance
- EEC - Electronic Engine Control
- EI - Electronic Ignition
- ESAC - Electronic Spark Advance Control
- VA - Vacuum Advance
- VR - Vacuum Retard

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
- TR - Thermal Reactor
- TWC - Three-Way Catalyst System

Fuel System
- CFI, CL, DID, DIP, EFI, MFI
- nV - nVenturi Carburetor
- VV - Variable Venturi

Special Features
- CCV - Combustion Chamber Valve
- CFI - Central Fuel Injection
- DID - Diesel Injection-Direct
- DIP - Diesel Injection-Prechamber
- EFI - Electronic Fuel Injection
- MFI - Mechanical Fuel Injection
- TC - Turbocharged

VEHICLE MODELS:

Alliance 95 4-Door Sedan
96 2-Door Sedan

Encore 93 3-Door Hatchback
99 5-Door Hatchback

DRIVE SYSTEM: Front ENGINE/ Front -WHEEL DRIVE

E.O. No. A-17-72

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer American Motors Corporation Page 2

Engine Family EAM 1.4 V5 FJ D5 Engine Code --

ECS (Special Features) CL, TWC (EFI) CID (Liter) Type 85(1.4)I4

Engine Code	Vehicle Models (If Coded See Attachment)	Trans	Equiv. Test Weight	Ignition System ESAC Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident. Part No.
1A1	93, 95, 99	A3	2500	7700 708 688	7700 723 329	None	8933 002 026
	96	A3	2375				
1A2	93, 95, 96	A3	2375				
	99	A3	2500				
1M1	93, 95, 96	M4	2375				
	99	M4	2500				
	95, 96	M5	2375				
	93, 99	M5	2500				
1M2	93, 95, 99	M4	2375				
	96	M4	2250				
	93, 95, 96, 99	M5	2375				

Comments: _____

(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.)

Note: Add 10% to dyno test HP for air conditioning usage.

Date of Issue:

E.O. No. A-17-72

STAFF USE ONLY
1984 MODEL YEAR CERTIFICATION REVIEW SHEET
EXHAUST/EVAPORATIVE SYSTEM AND FILL PIPE SPECIFICATION COMPLIANCE

Manufacturer AMERICAN MOTORS CORPORATION Engine Family EAM 1.4 VS FJD5

P/C X LDT___ MDV___ Gas X Diesel___ LPG ___ Eng. Code: Calif. X 49S___ 50S___

CID 85 Liters 1.4 Rated HP 58 @ 4200 RPM Rated Torque 75 @ 2500 RPM

Type Cert.: 50K X 100K___ Evaporative Family EV-1.4D-2S Engine Type I4

Exhaust Control System (Special Features) CL, TWC (EFI)

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1 Authorized Representative	01.02.00.00-1	10 Projected Sales	Eng. Fam. Pg. 1010-3
2 Fuel, Test Equipment, Procedures and Route	Sections 03,04,05	11 Veh. Description	Eng. Fam. Pg. 1010-1
3 Warranty Statement and Parts List	17.02.00.00	12 Test Veh. Info.	Dur. / Emis.
4 Maint: Cert/Req'd/Recm'd	Eng. Fam. Pg. 1706-1	C/O MY or C/A EF	C/O / C/O Evap.
5 Tune-Up Labels/Vacuum Hose Diag.	Eng. Fam. Pg. 1707-1	Zero Mile Books	Attached with Request for Executive Order.
6 Evap. Control System	Eng. Fam. Pg. 0900	Vehicle Logs	
7 Engine Parameters	Eng. Fam. Pg. 1002-1	Maint. Logs and Engr. Eval.	
8 Fuel/Ignition Systems	Eng. Fam. Pg. 1003	13 Evap. Bench Test Procedure	13.02.00.00-1
9 Exhaust Control System	Eng. Fam. Pg. 1003-1		

STATEMENTS:

1 Gen. Std., Incr. in Em., Safety, Mtg All Req'ments	See Cover Letter	1 Fill Pipe Specs.	17.04.03.00-1
2 Prod. Veh. Same as Test Veh.	17.03.01.00-1	2 Altitude A/F Requirement	Eng. Fam. Pg. 1700-1.1
3 Suitability for 91 RON Fuel	17.01.00.00-1	3 Carb. Tamperproof Requirement	Eng. Fam. Pg. 1003-1
4 Label Durability	Eng. Fam. Pg. 1707-1	4 Ck for DF, Outlier, Line Xing	Eng. Fam. Pg. 1712-1
5 Driveability	17.03.01.00-1	5 EPA Certificate	N/A
6 Fill Pipe Access Zone	17.04.01.00-1	6 Opt. 75K-Mi. Recall	
7 Fill Pipe Performance	17.04.01.00-1	7 Alcohol Compatible	
		8 Prem. Unleaded Fuel	03.00.00.01-2
		9 Cert. Preview Prog.	Eng. Fam. Pg. 1702-1

PROJECTED EMISSIONS (1)

	Veh. ID	Code (Displ)	Trans	Axle Ratio	ETW	RLHP	MPG City/Hwy	Test Loc.	NM HC	CO	NOx	Hwy NOx	50K Evap	50K Part
	D39-38E	IA1 (85)	A3	3.56	2375	7.4	29.0/36.3	AMC	0.23	2.4	0.22	0.03	N/A	N/A
	D39-34E	IM1 (85)	M5	3.87	2375	7.2	33.9/47.6	EPA	0.18	3.5	0.29	0.04	N/A	N/A
(2)	SP39-63B	–	–	–	–	–	– –	–	–	–	–	–	1.3	–
	(1) The emis. data vehicle(s) above comply with stds of								0.39	7.0	0.7	0.93	2.0	N/A
	and includes deterioration factors of								1.387	1.245	1.404	1.404	0.0	N/A

Evaporative DF is the average of Vehicle DF None and Bench DF -0.09 .

Remarks: (2) Vehicle SP39-63B is carryover from 1983 model year for Evaporative 4K test results only (83 Engine/Evap. family DAM1.4VSFGD5/DV-1.4D-2S)

Application Processed By Z Newton Date 6/15/83 Reviewed By R J Cunny Date 6-21-3

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