State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-95
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 1987 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)
HAM2.0V5FGA1	105,120	(1.7, 2.0)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (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:

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 this engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.15	2.4	0.5

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 1981 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 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 13th day of May, 1986.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-17-95

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation

Engine Family HAM 2.0 V5 FG A1

Evaporative Family HV-2.0H-1S

Engine Type I4

Engine Liters (CID) 1.7 & 2.0 (105 & 120)

ABBREVIATIONS:

Ignition System
- CA - Centrifugal Advance
- EEC - Electronic Engine Control
- 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
- VV - Variable Venturi

VEHICLE MODELS:

- 93 - Alliance 3-Door
- 95 - Alliance 4-Door
- 96 - Alliance 2-Door
- - GTA 2-Door
- 97 - Alliance Convertible
- - GTA Convertible
- 99 - Alliance 5-Door

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
- SPL - Smoke Puff Limiter or Throttle Delay
- TOC - Trap Oxidizer Continual
- TOP - Trap Oxidizer Periodical
- TR - Thermal Reactor
- TWC - Three-Way Catalyst System

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
- TC - Turbocharged

ENGINE: FRONT X MID ____ REAR ____

DRIVE: FWD X RWD ____ 4WD FULL TIME ____ 4WD PART TIME ____

E.O. # A-17-95

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer American Motors Corporation Engine Family HAM 2.0 V5 FG A1

Liter (CID) 1.7 & 2.0 (105 & 120) Engine Type I4

Emission Control System
(Special Features) EGR + CL + TWC (CFI)

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans Type	Equiv. Test Weight	Ign. System/ECU ESAC Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Catalyst Part No.
5M1	96	M5	2500	8933002526	8933002526	8933002537	8933000022 8932001217
	97		2625				
5M2	96		2375				
	97		2625				
5M5	96		2375	8933002495	8933002495	8933003184	
	93,95,99		2500				
	97		2625				
5M6	93,95,96		2375				
	99		2500				
	97		2625				
5A5	96	A3	2375	8933002494	8933002494		
	93,95,99		2500				
	97		2625				

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.)

Date of Issue: _____ Revisions:

E.O. # A-17-95

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer American Motors Corporation Engine Family HAM 2.0 V5 FG A1

Liter (CID) 1.7 & 2.0 (105 & 120) Engine Type I4

Emission Control System
(Special Features) EGR + CL + TWC (CFI)

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans Type	Equiv. Test Weight	Ign. System/ECU ESAC Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Catalyst Part No.
5A6	93,95,96	A3	2375	8933002494	8933002494	8933003184	8933000022 8932001217
	99		2500				
	97		2625				

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.)

Date of Issue: _____ Revisions:

Engine Family: HAM 2.0 V5 FG A1

1987 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

APRIL 16, 1986

VEHWT1.7							TIRES SHOWN Standard tire listed 1st Optional tires also listed				ROADLOAD HP. & COASTDOWN TIMES	
VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	A/C USAGE	SIZE MODEL	PRESSURE FR	PRESSURE RR	(%) USAGE	(SEC.)	HP.
ALLIANCE 95 4-DOOR	2142	1322	2500	1.7L	M5	YES	P155/80R13 XA4	30	30	33%	13.28	7.3
							P155/80R13 CORSA			6%	13.25	7.6
							P175/70R13 XA4			35%	12.93	7.9
							P175/70R13 CORSA			25%	12.33	7.7
							P185/60R14 EAGLE GT	28	28	1%	10.87	8.5
	2087	1263	2375			NO	P155/80R13 XA4	30	30	43%	13.75	6.6
							P155/80R13 CORSA			6%	13.63	6.8
							P175/70R13 XA4			30%	13.18	7.2
							P175/70R13 CORSA			20%	12.64	7.0
							P185/60R14 EAGLE GT	28	28	1%	11.02	7.6
	2168	1348	2500	1.7L	A3	YES	P155/80R13 XA4	30	30	25%	13.13	7.6
							P155/80R13 CORSA			4%	13.07	7.8
							P175/70R13 XA4			45%	12.55	8.0
							P175/70R13 CORSA			25%	11.96	7.8
							P185/60R14 EAGLE GT	28	28	1%	10.33	8.6
	2113	1290	2375			NO	P155/80R13 XA4	30	30	33%	13.44	6.8
							P155/80R13 CORSA			6%	13.39	7.0
							P175/70R13 XA4			35%	12.90	7.3
							P175/70R13 CORSA			25%	12.13	7.1
							P185/60R14 EAGLE GT	28	28	1%	10.56	7.7

Engine Family: HAM 2.0 V5 FG A1

1987 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

APRIL 16, 1986

VEHWT1.7+2.0							TIRES SHOWN Standard tire listed 1st Optional tires also listed				ROADLOAD HP. & COASTDOWN TIMES	
VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	A/C USAGE	SIZE MODEL	PRESSURE FR	PRESSURE RR	(%) USAGE	(SEC.)	HP.
ALLIANCE 96 2-DOOR	2103	1309	2375	1.7L	M5	YES	P155/80R13 XA4	30	30	31%	13.07	7.3
							P155/80R13 CORSA			6%	12.92	7.5
							P175/70R13 XA4			35%	12.46	7.9
							P175/70R13 CORSA			25%	11.99	7.7
							P185/60R14 EAGLE GT	28	28	3%	10.45	8.4
	2048	1250	2375			NO	P155/80R13 XA4	30	30	41%	13.75	6.6
							P155/80R13 CORSA			6%	13.63	6.8
							P175/70R13 XA4			30%	13.18	7.2
							P175/70R13 CORSA			20%	12.64	7.0
							P185/60R14 EAGLE GT	28	28	3%	11.02	7.6
	2130	1335	2375	1.7L	A3	YES	P155/80R13 XA4	30	30	25%	12.74	7.5
							P155/80R13 CORSA			4%	12.67	7.7
							P175/70R13 XA4			44%	12.20	8.0
							P175/70R13 CORSA			25%	11.53	7.8
							P185/60R14 EAGLE GT	28	28	1%	10.04	8.5
	2075	1277	2375			NO	P155/80R13 XA4	30	30	33%	13.44	6.8
							P155/80R13 CORSA			6%	13.39	7.0
							P175/70R13 XA4			35%	12.90	7.3
							P175/70R13 CORSA			25%	12.13	7.1
							P185/60R14 EAGLE GT	28	28	1%	10.56	7.7
GTA 96 2-DOOR	2139	1312	2500	2.0L	M5	YES	P195/50R15 SPORT XGT	30	35	100%	11.06	8.0
	2087	1258	2375			NO	P195/50R15 SPORT XGT	30	35	100%	11.19	7.2

Engine Family: HAM 2.0 V5 FG A1

1987 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

APRIL 16, 1986

VEHWT1.7+2.0							TIRES SHOWN Standard tire listed 1st Optional tires also listed				ROADLOAD HP. & COASTDOWN TIMES	
VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	A/C USAGE	SIZE MODEL	PRESSURE FR	PRESSURE RR	(%) USAGE	(SEC.)	HP.
ALLIANCE 97 C'TIBLE	2328	1395	2625	1.7L	M5	YES	P155/80R13 XA4	30	30	10%	13.88	7.3
							P155/80R13 CORSA			2%	13.76	7.6
							P175/70R13 XA4			43%	13.53	7.9
							P175/70R13 CORSA			30%	12.94	7.7
							P185/60R14 EAGLE GT	28	28	15%	11.24	8.5
	2273	1337	2625			NO	P155/80R13 XA4	30	30	10%	14.61	6.6
							P155/80R13 CORSA			2%	14.51	6.9
							P175/70R13 XA4			43%	14.30	7.2
							P175/70R13 CORSA			30%	13.62	7.0
							P185/60R14 EAGLE GT	28	28	15%	11.84	7.7
	2355	1422	2625	1.7L	A3	YES	P155/80R13 XA4	30	30	5%	13.73	7.6
							P155/80R13 CORSA			1%	13.70	7.9
							P175/70R13 XA4			45%	13.20	8.0
							P175/70R13 CORSA			32%	12.52	7.8
							P185/60R14 EAGLE GT	28	28	17%	10.76	8.7
	2299	1363	2625			NO	P155/80R13 XA4	30	30	5%	14.50	6.9
							P155/80R13 CORSA			1%	14.48	7.2
							P175/70R13 XA4			45%	13.95	7.3
							P175/70R13 CORSA			32%	13.13	7.1
							P185/60R14 EAGLE GT	28	28	17%	11.30	7.9
GTA 97 C'TIBLE	2329	1396	2625	2.0L	M5	YES	P195/50R15 SPORT XGT	30	35	100%	11.49	8.1
	2282	1336				NO	P195/50R15 SPORT XGT	30	35	100%	12.09	7.4

Engine Family: HAM 2.0 V5 FG A1

1987 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

APRIL 16, 1986

VEHWT1.7							TIRES SHOWN Standard tire listed 1st Optional tires also listed				ROADLOAD HP. & COASTDOWN TIMES	
VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	A/C USAGE	SIZE MODEL	PRESSURE FR	PRESSURE RR	(%) USAGE	(SEC.)	HP.
ALLIANCE 93 3-DOOR	2153	1312	2500	1.7L	M5	YES	P155/80R13 XA4	30	30	25%	14.28	6.7
							P155/80R13 CORSA			5%	14.06	7.0
							P175/70R13 XA4			37%	13.78	7.2
							P175/70R13 CORSA			25%	13.19	6.9
							P185/60R14 EAGLE GT	28	28	8%	11.41	7.8
	2098	1254	2375			NO	P155/80R13 XA4	30	30	38%	14.60	6.1
							P155/80R13 CORSA			5%	14.43	6.4
							P175/70R13 XA4			29%	14.05	6.5
							P175/70R13 CORSA			20%	13.40	6.3
							P185/60R14 EAGLE GT	28	28	8%	11.59	7.1
	2180	1339	2500	1.7L	A3	YES	P155/80R13 XA4	30	30	25%	13.60	7.0
							P155/80R13 CORSA			5%	13.51	7.3
							P175/70R13 XA4			37%	13.17	7.3
							P175/70R13 CORSA			28%	12.41	7.2
							P185/60R14 EAGLE GT	28	28	5%	10.50	8.0
	2125	1280	2375			NO	P155/80R13 XA4	30	30	30%	13.91	6.3
							P155/80R13 CORSA			5%	13.84	6.5
							P175/70R13 XA4			35%	13.42	6.6
							P175/70R13 CORSA			25%	12.61	6.5
							P185/60R14 EAGLE GT	28	28	5%	10.75	7.3

Engine Family: HAM 2.0 V5 FG A1

1987 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

APRIL 16, 1986

VEHWT1.7							TIRES SHOWN Standard tire listed 1st Optional tires also listed				ROADLOAD HP. & COASTDOWN TIMES	
VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	A/C USAGE	SIZE MODEL	PRESSURE FR	PRESSURE RR	(%) USAGE	(SEC.)	HP.
ALLIANCE 99 5-DOOR	2195	1323	2500	1.7L	M5	YES	P155/80R13 XA4	30	30	26%	14.28	6.7
							P155/80R13 CORSA			6%	14.06	7.0
							P175/70R13 XA4			38%	13.78	7.2
							P175/70R13 CORSA			26%	13.19	6.9
							P185/60R14 EAGLE GT	28	28	4%	11.41	7.8
	2139	1265				NO	P155/80R13 XA4	30	30	39%	15.00	6.1
							P155/80R13 CORSA			6%	14.80	6.4
							P175/70R13 XA4			30%	14.49	6.5
							P175/70R13 CORSA			21%	13.83	6.3
							P185/60R14 EAGLE GT	28	28	4%	11.98	7.1
	2221	1350	2500	1.7L	A3	YES	P155/80R13 XA4	30	30	26%	13.60	7.0
							P155/80R13 CORSA			6%	13.51	7.3
							P175/70R13 XA4			38%	13.17	7.3
							P175/70R13 CORSA			29%	12.41	7.2
							P185/60R14 EAGLE GT	28	28	1%	10.50	8.0
	2166	1291				NO	P155/80R13 XA4	30	30	31%	14.31	6.4
							P155/80R13 CORSA			6%	14.24	6.6
							P175/70R13 XA4			36%	13.84	6.6
							P175/70R13 CORSA			26%	13.01	6.5
							P185/60R14 EAGLE GT	28	28	1%	11.00	7.3