

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-89
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 1986 model-year American Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GAM173T2F4C4	173 (2.8)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

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>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0-3999	0.39	9.0	1.0

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

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.25	7.2	0.8

BE IT FURTHER RESOLVED: That the listed models in the 0-3999 equivalent inertia weight class 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, provided, however, that for the listed vehicles in the 0-3999 equivalent inertia weight class, jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

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 3rd day of June, 1985 .


K. D. Drachand, Chief
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation Executive Order No. A-17-89
 Engine Family GAM 173 T2 F4 C4 Evaporative Family GT-173E-4S
 Engine CID (Liters) 173 (2.8)

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
 TOC - Trap Oxidizer Continual
 TOP - Trap Oxidizer Periodical
 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
 IC - Intercooler
 MFI - Mechanical Fuel Injection
 TC - Turbocharged

VEHICLE MODELS:

75 = Wagoneer 4WD
 77 = Cherokee 2-Dr 4WD
 78 = Cherokee 4-Dr 4WD
 73 = Cherokee 2-Dr 2WD
 74 = Cherokee 4-Dr 2WD

65 = Comanche Pickup 4WD
 66 = Comanche Pickup 2WD

DRIVE SYSTEM: Front ENGINE/ 2WD = Rear & 4-WHEEL DRIVE

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars ___ Light-Duty Trucks X Medium-Duty Vehicles ___ Gas X Diesel ___Manufacturer American Motors Corporation Page 2.1Engine Family GAM 173 T2 F4 C4 Engine Code _____ECS (Special Features) CL + EGR + AIP + TWC (None) CID (Liter) Type 173(2.8)V6

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans	Equiv. Test Weight	Ignition System ESAC Part No.	Fuel System CL 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
1A3	73, 74	A3-L	3375	8953002665 (16036481)	8953002231 (17085388)	8953002105 (17082733)	8953003564
	77, 66		3500				
	75, 78		3625				
	65		3750				
1A4	73		3250				
	74		3375				
	75, 77, 78, 66		3500				
	65		3625				
1M3	73, 74	M5	3375	8953002775 (16036471)	8953004303 (17086081)	8953001636 (17082734)	8953003563
	77, 66		3500				
	75, 78		3625				
	65		3750				
1M4	73		3250				

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:

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer American Motors Corporation Page 2.2

Engine Family GAM 173 T2 F4 C4 Engine Code _____

ECS (Special Features) CL + EGR + AIP + TWC (None) CID (Liter) Type 173(2.8)V6

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans	Equiv. Test Weight	Ignition System ESAC Part No.	Fuel System CL 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
1M4	74	M5	3375	8953002775 (16036471)	8953004303 (17086081)	8953001636 (17082734)	8953003563
	75, 77, 78, 66		3500				
	65		3625				

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:

Engine
Family: GAM 173 T2 F4 C4

1986 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER
APRIL 17, 1986

VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENB	TRAN	FRONTAL AREA HORSEPOWER				TIRES SHOWN				ROADLOAD HP. & COASTDOWN TIMES			
						BIAS TIRE		RADIAL TIRE		Standard tire listed 1st Optional tires also listed				ROADLOAD HP. & COASTDOWN TIMES			
						A/C	NON A/C	A/C	NON A/C	SIZE/MODEL	PRESSURE				(sec)	AC Hp	(sec)
IJ MODEL 75 4-DOOR 4WD	3222	1441	3588	2.8L	FB					1	P285/75R15 IA4	38	38			13.86	12.4
										2	P285/75R15 VECTOR					12.39	12.5
	(13287)	1458	3425	2.8L	FB					1	P285/75R15 IA4	38	38	12.56	13.4		
										2	P285/75R15 VECTOR			11.84	13.8		
	3233	1444	3588	2.8L	A3-L					1	P285/75R15 IA4	38	38			12.61	12.8
										2	P285/75R15 VECTOR					12.84	12.8
(13297)	1443	3425	2.8L	A3-L						1	P285/75R15 IA4	38	38	12.85	13.9		
										2	P285/75R15 VECTOR			11.62	14.8		

