

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-86
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>
GAN360T2HLE1	360 (5.9)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst

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>
4000-5999	0.50	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>
4000-5999	0.32	6.9	0.9

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".

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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.).

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 27th day of March, 1985.



K. D. Drachand, Chief
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation Executive Order No. A-17-86
Engine Family GAM 360 T2 HL E1 Evaporative Family GT-360A-1P
Engine CID (Liters) 360 (5.9)

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:

15 = Grand Wagoneer 4WD
26 = J10 Pickup 4WD

DRIVE SYSTEM: Front ENGINE/ Front & Rear -WHEEL DRIVE

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETPassenger Cars___ Light-Duty Trucks X Medium-Duty Vehicles___ Gas X Diesel___Manufacturer American Motors Corporation Page 2Engine Family GAM 360 T2 HL E1 Engine Code _____ECS (Special Features) EGR + AIP + TWC (None) CID (Liter) Type 360 (5.9) V8

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans	Equiv. Test Weight	Ignition System CA, VA Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
1A2	15	A3	4750	3233174	5RHA2 8953002537	17075667 3240102	8953002632 8953002633
	26		4500				

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:

032185

5356G/2

ENGINE

FAMILY: GAM 360T2 HLE1

1984 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

MARCH 28, 1985

VEHMT368						FRONTAL AREA HORSEPOWER				TIRES SHOWN				ROADLOAD HP.			
						BIAS TIME		RADIAL TIME		Standard tire listed 1st		Optional tires also listed		COASTDOWN TIMES			
						NON		NON		PRESSURE		HP					
VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRAN	A/C	A/C	A/C	A/C	SIZE/MODEL	FR	RR	(sec)	AC HP	(sec)	no AC	
GRAND WAGONEER	4566	2871	4758	360	IAS HL					11P225/75R15 ARRIVA	28	28	13.72	14.8	15.86	13.5	
MODEL 19										12P235/75R15 VECTOR			12.98	15.4	13.48	14.8	
MODEL 19										13							
J-10 TRUCK	4228	1687	4588	360	IAS PT					11P225/75R15 ARRIVA	28	28	11.78	16.8	12.59	15.4	
MODEL 26										12P235/75R15 WRANGLER			12.14	17.6	12.87	16.2	
MODEL 26										13P235/75R15 VECTOR			11.86	19.3	11.78	16.9	