State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-92
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 light-duty trucks and medium-duty vehicles:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
HAM258T2HEA2	258	(4.2)	Air Injection - Valve 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:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per mile	Nitrogen Oxides Grams per mile
0-3999	0.39	9.0	1.0
4000-5999	0.50	9.0	1.0

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

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.35	5.2	0.8
4000-5999	0.36	6.8	0.9

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 5th day of February, 1986.

K. D. Drachand, Chief
Mobile Source Division

Engine Family: HAM 258 T2 HE A2

1987 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

NOVEMBER 25, 1985

VEHICLE	VEHWT258 TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	A/C USAGE	TIRES SHOWN Standard tire listed 1st Optional tires also listed SIZE MODEL	PRESSURE FR	PRESSURE RR	(%) USAGE	ROADLOAD HP. & COASTDOWN TIMES (SEC.)	HP.
EAGLE 4WD 4-DOOR MODEL 35	3446	1453	3750	258	M5	YES	P195/75R15 VIVA	29	29	25%	13.19	12.6
							P195/75R15 ARRIVA			70%	13.30	12.8
							P215/65R15 G.T.			5%	12.10	13.4
	3395	1455				NO	P195/75R15 VIVA			31%	14.06	11.5
							P195/75R15 ARRIVA			68%	14.23	11.6
							P215/65R15 G.T.			1%	12.94	12.2
	3470	1460	3750	258	A3	YES	P195/75R15 VIVA	29	29	25%	13.27	12.7
							P195/75R15 ARRIVA			70%	12.79	12.5
							P215/65R15 G.T.			5%	11.84	13.6
	3419	1462				NO	P195/75R15 VIVA			31%	14.18	11.6
							P195/75R15 ARRIVA			68%	13.60	11.4
							P215/65R15 G.T.			1%	12.65	12.4
EAGLE 4WD WAGON MODEL 38	3489	1500	3750	258	M5	YES	P195/75R15 VIVA	30	30	25%	12.83	13.5
							P195/75R15 ARRIVA			70%	13.17	13.2
							P215/65R15 G.T.			5%	11.84	14.8
	3438	1502				NO	P195/75R15 VIVA			31%	13.75	12.3
							P195/75R15 ARRIVA			68%	14.15	12.0
							P215/65R15 G.T.			1%	12.75	12.7
	3517	1507	3875	258	A3	YES	P195/75R15 VIVA	30	30	25%	12.93	13.3
							P195/75R15 ARRIVA			70%	12.95	13.1
							P215/65R15 G.T.			5%	11.70	14.2
	3466	1509	3750			NO	P195/75R15 VIVA			31%	13.75	12.3
							P195/75R15 ARRIVA			68%	14.15	12.0
							P215/65R15 G.T.			1%	12.75	12.7
GRAND WAGONEER MODEL 15	4183	1950	4500	258	A3	YES	P225/75R15 ARRIVA	28	28	100%	13.63	14.6

Engine Family: HAM 258 T2 HE A2

1987 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

NOVEMBER 25, 1985

VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	A/C USAGE	TIRES SHOWN Standard tire listed 1st Optional tires also listed: SIZE MODEL	PRESSURE FR	PRESSURE RR	(%) USAGE	ROADLOAD HP. & COASTDOWN TIMES (SEC.)	HP.
J-10 TRUCK MODEL 26	3910	1577	4250	258	M4	YES	P225/75R15 ARRIVA	28	28	65%	11.75	16.5
							P235/75R15 WRANGLER			35%	11.67	17.2
						NO	P225/75R15 ARRIVA			70%	12.52	15.1
							P235/75R15 WRANGLER			30%	12.42	15.8
	3937	1597	4250	258	A3	YES	P225/75R15 ARRIVA	28	28	65%	11.15	16.7
							P235/75R15 WRANGLER			35%	11.58	17.4
						NO	P225/75R15 ARRIVA			70%	11.92	15.3
							P235/75R15 WRANGLER			30%	12.29	16.0
YJ MODEL 01	3302-S	1577	3625	258	M5	YES	P215/75R15 WRANGLER	30	30	45%	10.35	15.6
	3333-P	1613					P215/75R15 XMS1			30%	10.03	15.4
							P225/75R15 WRANGLER			25%	10.40	15.5
	3276-P	1610	3625	258	M5	NO	P215/75R15 WRANGLER	30	30	50%	11.03	14.2
							P215/75R15 XMS1			30%	10.74	14.0
							P225/75R15 WRANGLER			20%	11.11	14.1
	3245-S	1574	3500	258	M5	NO	P215/75R15 WRANGLER	30	30	50%	10.45	14.5
							P215/75R15 XMS1			30%	10.10	14.3
							P225/75R15 WRANGLER			20%	10.47	14.4
	3313-S	1581	3625	258	A3	YES	P215/75R15 WRANGLER	30	30	45%	9.97	16.3
	3344-P	1617					P215/75R15 XMS1			30%	9.62	15.8
							P225/75R15 WRANGLER			25%	9.90	16.2
	3256-S	1579	3500	258	A3	NO	P215/75R15 WRANGLER	30	30	50%	9.98	15.2
							P215/75R15 XMS1			30%	9.56	15.0
							P225/75R15 WRANGLER			20%	9.98	15.1
	3287-P	1614	3625	258	A3	NO	P215/75R15 WRANGLER	30	30	50%	10.40	14.9
							P215/75R15 XMS1			30%	10.05	14.7
							P225/75R15 WRANGLER			20%	10.48	14.8

S=STEEL FUEL TANK
P=PLASTIC FUEL TANK

E.O. #A -17-92

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars___ Light-Duty Trucks X Medium-Duty Vehicles___ Gas X Diesel___

Manufacturer American Motors Corporation Page 2

Engine Family HAM 258 T2 HE A2 Engine Code___

ECS (Special Features) CL+EGR+AIV+TWC (None) CID (Liter) Type 258 (4.2) I6

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans	Equiv. Test Weight	Ignition System CA, VA Part No.	Fuel System CL, 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
1A1	81	A3	3625		8933001707		TBD
1A2	26	A3	4250		8933001707	8933000889	
1A2	15	A3	4500				
1A3	38	A3	3875			8933000828	
1A3	35	A3	3750				
1M1	81	M5	3625			3240097	
1M2	15, 26	M4	4250	8933002353	8933001708	8933001951	
1M3	35, 38	M5	3750		8933001708	3239371	

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:

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation

Executive Order No. A-17-92

Engine Family HAM 258 T2 HE A2

Evaporative Family HT-258B-1P HT-258B-1S

Engine CID (Liters) 258 (4.2)

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 = Pickup Truck 4WD
- 38 = Eagle Wagon 4WD
- 81 = Wrangler 4WD

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