

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-99  
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 1988 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 Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JAM258T2HEA6	4.2 (258)	Air Injection-Valve Dual Bed Catalyst Exhaust Gas Recirculation Oxygen Sensor

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>Loaded Vehicle Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0-3750	0.39	9.0	1.0
3751-5750	0.50	9.0	1.0

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

<u>Loaded Vehicle Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3750	0.19	3.1	0.7
3751-5750	0.27	3.3	0.8

BE IT FURTHER RESOLVED: That the listed models in the 0-3750 loaded vehicle 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 1988 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 the listed vehicle models have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) 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 24<sup>th</sup> day of March, 1987.



K. D. Drachand, Chief  
Mobile Source Division

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation Engine Family JAM 258 T2 HE A6  
Evaporative Family JT-258B-1P & JT-258B-1S Engine Type I-6  
Engine Liters (CID) 4.2 (258)

ABBREVIATIONS:

Ignition System

- CA - Centrifugal Advance
- ECU - Electronic Control Unit
- 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

Exhaust Emissions Control System

- AIP - Air Injection-Pump
- AIV - Air Injection-Valve
- DBC - Dual Bed Catalyst
- EGR - Exhaust Gas Recirculation
- EIC - Electronic Injection Control
- EM - Engine Modification
- OC - Oxidation Catalyst
- OS - Oxygen Sensor
- HOS - Heated Oxygen Sensor
- SPL - Smoke Puff Limiter or Throttle Delay
- TOC - Trap Oxidizer, Continual
- TOP - Trap Oxidizer, Periodical
- TWC - Three-Way Catalyst
- WUOC - Warm-Up Oxidation Catalyst
- WUTWC - Warm-Up Three-Way Catalyst

VEHICLE MODELS:

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

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
- OBD - On-Board Diagnostics
- TC - Turbocharged

*ISSUED: 032787*

ENGINE: FRONT X MID \_\_\_\_\_ REAR \_\_\_\_\_

DRIVE: FWD \_\_\_\_\_ RWD X 4WD FULL TIME \_\_\_\_\_ 4WD PART TIME X

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer American Motors Corporation Engine Family JAM 258 T2 HE A6

Liter (CID) 4.2 (258) Engine Type I-6

Emission Control System  
(Special Features) AIV + DBC + EGR + OS (None)

Engine Code	Vehicle Models (If Coded See Attachment) (Hp)	Trans Type	Equiv. Test Weight	Ign. System/ECU CA, VA Part No.	Fuel System CL, 2V Part No.	EGR Valve Part No.	Catalyst Part No.
1A1	81	A3	3625	8933002353 TAA	8933001707 ID. 8383	8933004383	8953001628 IQ25056383
1A3	38		3875			8933000828 ID.17083795	8933000626 IQ25056388
1M1	81	M5	3625		8933001708 ID. 8384	8933004383	8953001628 IQ25056383
1M2	26	M4	4250			8933001951 ID.17084835	5370123 IQ25056389

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: 032787

Revisions:

Engine  
Family: JAM 258 T2 HE A6

1988 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER  
MARCH 10, 1987

VEHICLE	VEHWT258					TIRES SHOWN Standard tire listed 1st Optional tires also listed					ROADLOAD HORSEPOWER & COASTDOWN TIMES			
	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	SIZE MODEL		PRESSURE FR RR		(%) USAGE	A/C (SEC.)	HP.	NON A/C (SEC.)	HP.
J-10 TRUCK MODEL 26	4001	1658	4250	258	M4	P225/75R15	ARRIVA	28	28	65%	11.75	16.5		
						P235/75R15	WRANGLER			35%	11.67	17.2		
	3950	1656				P225/75R15	ARRIVA	28	28	70%			12.52	15.1
						P235/75R15	WRANGLER			30%			12.42	15.8
YJ MODEL B1	3307-S	1595	3625	258	M5	P215/75R15	WRANGLER	30	30	45%	10.35	15.6		
	3335-P	1627				P215/75R15	XMS1			30%	10.03	15.4		
						P225/75R15	WRANGLER			25%	10.40	15.5		
	3282-P	1623				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
	3254-S	1591	3500			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
	3323-S	1681	3625	258	A3	P215/75R15	WRANGLER	30	30	45%	9.97	16.3		
3351-P	1633				P215/75R15	XMS1			30%	9.62	15.8			
					P225/75R15	WRANGLER			25%	9.90	16.2			
3266-S	1595					P215/75R15	WRANGLER	30	30	50%			10.40	14.9
3294-P	1627					P215/75R15	XMS1			30%			10.05	14.7
						P225/75R15	WRANGLER			20%			10.48	14.8
EAGLE 4WD WAGON MODEL 3B	3517	1490	3875	258	A3	P195/75R15	ARRIVA	30	30	100%	12.95	13.1	13.69	11.9
	3467	1493	3750			P195/75R15	ARRIVA	30	30	100%			14.15	12.8

S=STEEL FUEL TANK  
P=PLASTIC FUEL TANK

ISSUED: 132787