

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-43  
Relating to Certification of New Motor Vehicles

AMERICAN MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 American Motors Corporation exhaust emission control systems are certified as described below for 1979 model-year gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
I-C	258	Exhaust Gas Recirculation Air Injection Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
I-C	0.23	5.7	1.5


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 except Motorcycles".

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.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 9 day of August, 1978.



G. C. Hass, Chief  
Vehicle Emissions Control Division

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Engine Family I-C Engine (CID) 258

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
EI-Electronic Ignition  
ESAC  
VA-Vacuum Advance  
VR-Vacuum Retard

Fuel System

EFI, MFI  
nV-nVenturi Carburetor  
VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection  
CCAV-Comb. Chamber Air Valve  
EFI-Electronic Fuel Injection  
EGR-Exhaust Gas Recirculation  
EM-Engine Modification

ESAC-Electronic Spark Advance  
Control

MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst  
PAI-Pulse Air Injection  
TC-Turbo Charged  
TR-Thermal Reactor  
TWC-Three Way Catalyst  
(Feedback Control)  
WOC-Warm-up Oxidation  
Catalyst

Vehicle Model

Concord Sedan  
Concord Wagon  
Spirit Sedan  
Pacer Sedan  
Spirit Coupe  
Pacer Wagon

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E.O. #A 17-43

Passenger Cars       Light-Duty Trucks       Medium-Duty Vehicles

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Engine Family I-C Engine (CID) 258 Engine Code KAC-3C-1

Emission Control System EGR, AI, OC, WOC + 10% (A/C) Yes  No

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. Control Parameters EI, CA, VA	Fuel System Type: 1-1V	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
KAC-3C-1	Concord Sedan Concord Wagon Spirit Sedan Pacer Sedan Spirit Coupe Pacer Wagon	A-3	3500	Motorcraft D8FE- 12127-EA AM Part No. 3232434	Carter 7318  AM Part No. SF3233878	G-61393  AM Part No. 3230261	1) 8 + 20 BTDC @ 700 RPM (D). Disconnect dist. vacuum hose and plug.  2) 25 RPM lean drop.  3) 700 + 100 RPM in drive  Make adjustments with engine at normal operating temperature, air cleaner on, air conditioning off.

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class: See AMC 1979 Vol. 1, Sec. 10, Pg. 34 for HP settings.

\*Axle ratio is that of medium duty certification vehicle.

Date of Issue -

Pacer Wagon added per running change No. 79-1