State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-45
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 medium-duty vehicles.

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
III-TCD	360	Exhaust Gas Recirculation Oxidation Catalyst Air Injection

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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
III-TCD	0.8	12	2.3

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 10 day of August, 1978.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

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Engine Family III-TCD Engine (CID) 360

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
Cherokee
Wagoneer
J-10 Truck
J-20 Truck

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☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium-Duty Vehicles

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Engine Family III-TCD Engine (CID) 360

Engine Code RA-3AT-1, RA-3AT-2, RA-3AT-3

Emission Control System EGR, AI, OC + 10% (A/C) Yes X 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: 1-2V	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
RA-3AT-1	J-20 Truck	A-3	5000 (3.73) (3.54)	Motorcraft D8FE-12127-KA AM Part No. 3233174	Motorcraft 9RHA2 AM Part No. SF3233983	G70552 AM Part No. 3234967	(1) 8 ± 2° BTDC @ 600 RPM in drive. Disconnect vacuum hose and plug. Solenoid connected.
RA-3AT-2	Cherokee Wagoneer J-10 Truck		4500 (3.07) (3.54)			G61665 AM Part No. 3230846	(2) 20 RPM lean idle drop. (3) 600 ± 100 RPM in drive.
RA-3AT-3					Motorcraft 9RHA2J* AM Part No. SF 3236528*	G70158 AM Part No. 3233596	Idle speed and mixture adjustments must be made with the engine at operating temperature and air cleaner in place.
RA-3AT-4	J-20 Truck		5000 (3.73) (3.54)			G70552 AM Part No. 32334967	

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 - 8/10/78

Engine code RA-3AT-3 added per running change no. 79-17.

*Revised

Engine Code RA-3AT-4 added per running change No. 79-21.