State of California
Air Resources Board

EXECUTIVE ORDER A-17-25
Relating to Certification of New Motor Vehicles

AMERICAN MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That American Motors Corporation exhaust emission control systems for 1977 model-year light duty trucks are certified for the engine family described below:

Engine Family: I-TC
Engine: 232 CID and 258 CID
Exhaust Emissions Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models: 232 CID with 3-Speed Automatic Transmission:

DJ-5D (1/4 Ton Post Office Truck)

258 CID with 3-Speed Automatic Transmission:

Jeep CJ-7,
FJ-8B (1/2 Ton Post Office Truck).

258 CID with 3-Speed Manual Transmission

Jeep CJ-5,
Jeep CJ-7.

258 CID with 4-Speed Manual Transmission

Jeep CJ-7

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
I-TC	0.5	9	2.0

BE IT FURTHER RESOLVED: That this certification is contingent upon American Motors Corporation affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon American Motors Corporation listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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 17 day of September, 1976.

G. C. Hass

G. C. Hass, Chief
Division of Vehicle Emissions Control

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer American Motors Corp. Executive Order No. A-17-25 Page 1 of 3

Engine Family I-TC Engine (CID) 232 Engine Code LAC-3ST-1

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type EI, C,V Mfgr. Part Number	Fuel System Type 1-1V Mfgr. Part Number	EGR System : Backpressure Sensitive. Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
DJ-5D (1/4 Ton Post Office Truck)	A/T3 (3.07 rear axle)	3000	3229719 when is Prestolite IDJ-4002F or 3230401 (All W/O TCSA)	Carter 7158	Eaton G-61353 I-30,000	(1) 10° ± 2° BTDC @ 500 RPM in "drive" with vacuum disconnected (2) 25 RPM Lean drop in "drive" (3) 550 RPM ± 100 RPM in "drive"

Comments

Date of Issue July 26, 1976
12 May, 1977, Running Change No. 77-16C

Abbreviations

Distributor
C-Centrifugal Advance
-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection

TCSA - Transmission Controlled Spark Advance
OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TR-Thermal Reactor
TWC-Three Way Catalyst
λ-Air Fuel Ratio Sensor

*Service
I-Inspect, repair/replace as needed

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer American Motors Corporation Executive Order No. A-17-25 Page 2 of 3

Engine Family I-TC Engine (CID) 258 Engine Code KAC-3STP,KMC-3ST

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: EI, C,V Mfgr. Part Number	Fuel System Type: 1-1V Mfgr. Part Number	EGR System: Backpressure Sensitive. Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
FJ-8B(½ Ton Post Office Truck)	A/T3 (3.73 rear axle)	4000	3229719 which is Prestolite IDJ-4002F or 3230 (W/TCSA)	Carter 7158	Eaton G-61373 I-30,000	(1) 8° + 2° BTDC @ 500 RPM in "drive" with vacuum disconnected (2) 25 RPM Lean drop in "drive" (3) 550 RPM + 100 RPM in "drive"
CJ-5 Jeep	M/T3 (3.54 or 4.09 rear axle)	3500	(W/O TCSA)	Carter 7154		(1) 6° + 2° BTDC @ 500 RPM with vacuum disconnected (2) 50 RPM Lean Drop (3) 850 RPM + 100 RPM
CJ-7 Jeep	M/T3 M/T4 (3.54 or 4.09 rear axle)					

Comments: M/T3 Shift Points: 15 - 25 mph
M/T4 Shift Points: 15-25-40 mph

Date of Issue: 16 September 1976
12 May, 1977, Running Change No. 77-16C

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection

TCSA-Transmission Controlled Spark Advance
OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TR-Thermal Reactor
TWC-Three Way Catalyst
λ-Air Fuel Ratio Sensor

*Service
I-Inspect, repair/replace as needed

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer American Motors Corporation Executive Order No. A-17-25 Page 3 of 3

Engine Family I-TC Engine (CID) 258 Engine Code KAC-3ST - 1, & KAC-3ST

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: EI, C,V, TCSA Mfgr. Part Number	Fuel System Type: I-TV Mfgr. Part Number	EGR System: Backpressure Sensitive Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CJ-7 Jeep	A/T3 (4.09 rear axle ONLY)	3500	3229719, which is Prestolite IDJ-4002F or 3230481	Carter 7153	Eaton G-61665 I-30,000	(1) 8°+2° BTDC @ 500 RPM in "drive" with vacuum disconnected (2) 25 RPM Lean drop in "drive" (3) 700 RPM + 100 RPM in "drive"
	A/T3 (3.54 rear axle ONLY)				Eaton G-61373 I-30,000	

Comments

Date of Issue: 16 September 1976
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I-Inspect, repair/replace as needed