

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:

<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-TC	0.5	9	2.0

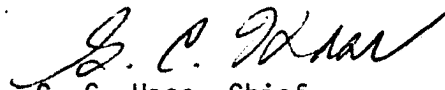
BE IT FURTHER RESOLVED: That this certification is contingent upon American Motors Corporation affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

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, 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 <u>3230401</u> (All w/o TCSA)	Carter 7158	Eaton G-61353 I-30,000	(1) 10° + 2° BTDC @ 500 RPM in "drive" with vacuum dis- connected (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

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) 80 + 20 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) 60 + 20 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

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 3230401	Carter 7153	Eaton G-61665 I-30,000	(1) 80+20 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
12 May, 1977, Running Change # 77-16C

Abbreviations

Distributor

- C-Centrifugal Advance
- I-Vacuum Advance
- VR-Vacuum Retard
- HEI-High Energy Ignition
- EI-Electronic Ignition
- Fuel System
- 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 Control

- 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