

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-16L  
Relating to Approval of New Motor Vehicles

AMERICAN MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 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 1976 model-year for light-duty trucks are approved for the engine family described below:

- Engine Family: I-TC
- Engine: 258 CID
- Transmission: 3 Speed Automatic, 3 Speed Manual or 4 Speed Manual
- Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

- Models: Jeep
- CJ-5
- CJ-7

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1976 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	0.7	6	1.7

BE IT FURTHER RESOLVED: That this Executive Order is conditional upon (1) providing the Air Resources Board with a list of all operating conditions, including malfunctions, which lead to catalyst overheating and the provisions taken to protect against damage caused thereby and such other vehicle information concerning safety as the Air Resources Board may reasonably request; and (2) upon request of the Air Resources Board, provide all purchasers of vehicles built and sold under this Executive Order with any information which is required to be given to purchasers of similar 1976 model-year vehicles manufactured under a subsequent Executive Order.

BE IT FURTHER RESOLVED: That this Executive Order is valid for a period of thirty calendar days from the date of execution.

Vehicles approved 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 30<sup>th</sup> day of July, 1975.

G. C. Hass by *A. M. [Signature]*  
G. C. Hass, Chief  
Division of Vehicle Emissions Control

AIR RESOURCES BOARD  
SUPPLEMENTAL INFORMATION  
1976 MODEL YEAR

PASSENGER CARS  LIGHT-DUTY TRUCKS

MANUFACTURER: American Motors Company EXECUTIVE ORDER NO. A-17-161 PAGE NO. 1

Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans.	Inertial Weight	Distributor		Fuel System		Emission Control System		Idle RPM	Basic Timing	Idle Mixture
					Mfr. Part No.	Type	Mfr. Part No.	Type	<input checked="" type="checkbox"/> OC <input type="checkbox"/> TR	<input type="checkbox"/> EGR			
I-TC	CJ-5 CJ-7	258	M/T3 M/T4	3000	EI, C,V	American 3227331 or Prestolite 1DJ-4002E	1-1V	Carter 7084	AI EGR OC	American 5353871 or General Motors 6498929	Rochester 17050471	6° BTDC + 2° @ 500 RPM in neutral vacuum Discon- nected	50 RPM Lean Drop in neutral
	CJ-7		A/T3					Carter 7085				8° BTDC +2° @ 500 RPM in Drive vacuum Discon- nected	25 RPM Lean Drop in Drive

Abbreviations:

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

- Exhaust Emission Control System  
AI - Air Injection  
EFI - Electronic Fuel Injection  
EGR - Exhaust Gas Recirculation  
EM - Engine Modifications  
CAI - Catalyst Air Injection

- EFE - Early Fuel Evaporation  
FI - Fuel Injection  
OC - Oxidation Catalyst  
RC - Reduction Catalyst  
TR - Thermal Reactor

- ESAC - Electronic Spark Advance Control  
PAI - Pulse Air Injection  
\*Service  
✓ No Service

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-16R  
Relating to Approval of New Motor Vehicles

AMERICAN MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 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 1976 model-year light duty trucks are approved for the engine family described below:

Engine Family: I-TC  
Engine: 258 CID  
Transmission: 3 Speed Automatic, 3 Speed Manual or 4 Speed Manual  
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models: Jeep  
CJ-5  
CJ-7

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1976 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	0.7	6	1.7

BE IT FURTHER RESOLVED: That, pending further evaluation of the applicant's general standards submission, this Executive Order extends the approval granted under Executive Order A-17-16L to the sale of vehicles with build dates no later than December 31, 1975.

BE IT FURTHER RESOLVED: That this Executive Order is issued subject to the following conditions:

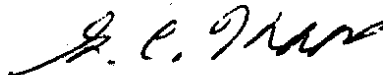
- (1) American Motors Corporation will submit a list of all operating conditions which may lead to catalyst overheating, the provisions taken to protect against damage caused thereby and such other vehicle information concerning safety as the Air Resources Board may reasonably request.

(2) American Motors Corporation agrees to provide all purchasers of vehicles built and sold under this Executive Order and Executive Order A-17-16L with any information which is required to be given to purchasers of similar 1976 model-year vehicles manufactured under a subsequent Executive Order.

Vehicles approved 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 22 day of August, 1975.



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

AIR RESOURCES BOARD  
SUPPLEMENTAL INFORMATION  
1976 MODEL YEAR

PASSENGER CARS  LIGHT-DUTY TRUCKS

MANUFACTURER: American Motors Company

Engine Family	Vehicle Models (If coded attachment)	Engine CID	Trans. Weight	Inertia	Distributor		Fuel System		Emission Control System		Idle RPM	Basic Timing	Idle Mixture
					Type	Mfgr. Part No.	Type	Mfgr. Part No.	OC <input checked="" type="checkbox"/>	TR <input type="checkbox"/>			
I-TC	CJ-5 CJ-7	258	M/T3 M/T4	3000	EI, C,V	American 3227331 or Prestolite IDJ-4002E	1-1V	Carter 7084	AI EGR OC	American 5353871 or General Motors 6498929	600 RPM +100 RPM in neutral	6° BTDC + 2° @ 500 RPM in neutral vacuum Discon- nected	50 RPM Lean Drop in neutral
	CJ-7		A/T3					Carter 7085			700 RPM +100 RPM in Drive	8° BTDC +2° @ 500 RPM in Drive vacuum Discon- nected	25 RPM Lean Drop in Drive

Abbreviations:

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

- Exhaust Emission Control System
- AI - Air Injection
- EFI - Electronic Fuel Injection
- EGR - Exhaust Gas Recirculation
- EM - Engine Modifications
- CAI - Catalyst Air Injection

- EFE - Early Fuel Evaporation
- FI - Fuel Injection
- OC - Oxidation Catalyst
- RC - Reduction Catalyst
- TR - Thermal Reactor

- ESAC - Electronic Spark Advance Control
- PAI - Pulse Air Injection
- \*Service
- No Service

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State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-16R-1  
Relating to Certification of New Motor Vehicles

AMERICAN MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 39018, 39600, 39601, 43101, and 43102 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 1976 model-year light-duty trucks are certified for the remainder of the model-year production for the engine family described below.

Engine Family: I-TC  
Engine: 232  
Transmission: 3-Speed Automatic  
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Model: Jeep

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

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1976 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	0.7	8	1.7

BE IT FURTHER RESOLVED: That this approval 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 approval 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.

AMERICAN MOTORS CORPORATION

EXECUTIVE ORDER A-17-16R-1

These vehicles are in addition to those previously approved for this engine family.

Vehicles approved 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 attachments.

Executed at El Monte, California, this 19 day of January, 1976.



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



AIR REPAIR BOARD  
SUPPLEMENTAL INFORMATION

1976 MODEL YEAR

PASSENGER CARS

LIGHT-DUTY TRUCKS

VEHICLES ADDED JANUARY 12, 1977

A-17-16K-1

PAGE NO. 1

MANUFACTURER: American Motors Company

EXECUTIVE ORDER NO.

Engine Family	Vehicle Models (If coded attachment)	Engine CID	Trans. Weight	Inertia Weight	Distributor		Fuel System		Emission Control System			Tune-up Specifications		
					Mfgr. Part No.	Type	Mfgr. Part No.	Type	<input checked="" type="checkbox"/> OC	<input type="checkbox"/> TR	Part No. Service*	EGR Part No. Service*	Idle RPM	Basic Timing
I-TC	CJ-5 CJ-7	258	M/T3 M/T4	3000	EI, C,V	American 3227331 or Prestolite IDJ-4002E	1-1V Carter 7084	AI EGR OC	American 5353871 or General Motors 6498929	Rochester 17050471	600 RPM +100 RPM in neutral	6° BTDC + 2° @ 500 RPM in neutral vacuum Discon- nected	50 RPM Lean Drop in neutral	
	CJ-7		A/T3				Carter 7085				700 RPM +100 RPM in Drive	8° BTDC +2° @ 500 RPM in Drive vacuum Discon- nected	25 RPM Lean Drop in Drive	
	1/4 TON POST OFFICE TRUCK	232					CARTER 7087							

Abbreviations:

- Centrifugal Advance
- Vacuum Advance
- Vacuum Retard
- High Energy Ignition
- Electronic Ignition

- Exhaust Emission Control System
- AI - Air Injection
- EFI - Electronic Fuel Injection
- EGR - Exhaust Gas Recirculation
- EM - Engine Modifications
- CAI - Catalyst Air Injection

- EFE - Early Fuel Evaporation
- FI - Fuel Injection
- OC - Oxidation Catalyst
- RC - Reduction Catalyst
- TR - Thermal Reactor

- ESAC - Electronic Spark Advance Control
- PAI - Pulse Air Injection
- \*Service
- ✓ No Service

**STAFF USE ONLY**  
**1976 MODEL YEAR**

PASSENGER CARS                               LIGHT-DUTY TRUCKS  
 CERTIFICATION APPLICATION CHECK-OFF SHEET

MANUFACTURER American Motors Corp.

1. Part I Submittal		1. Part II Submittal	
a. Date Received	<u>Feb 18, 1975</u>	a. Date Received	<u>June 17, 1975</u>
b. Date ARB Response	<u>                                </u>	2. Durability Test Data	<u>                                </u>
2. Authorized Signature	<u>AUS</u>	a. Durability Fleet Maint.	<u>AUS-GL</u>
3. Vehicle Description	<u>                                </u>	3. Emission Test Data	<u>                                </u>
4. Emission Control System Descr.	<u>AUS</u>	a. Emission Data Fleet Mnt.	<u>AUS</u>
5. Engine Parameters	<u>                                </u>	4. Confirm. Tests Lab- EPA	<u>AUS</u>
6. Ignition & Fuel System Descr.	<u>AUS</u>	5. Add't'l. 91 RON Statement	<u>AUS-GL</u>
7. Test Route, Equipment, and Fuel Description	<u>AUS</u>	6. Maint., Warr., & Train. Descr.	<u>AUS-GL</u>
8. Projected Calif. Sales Data	<u>                                </u>	7. Statement on General Stds.: Safety, Increase in Emissions	<u>AUS-GL</u>
9. Test Fleet Composition:		8. Statement on Mtg. All Req.	<u>AUS-GL</u>
a. Durability Fleet	<u>AUS-GL</u>	9. Statement that Test & Production Vehicles are Identical	<u>AUS-GL</u>
b. Emission Data Fleet	<u>AUS-GL</u>	10. Ignition & Fuel System Part No. & Calibration	<u>                                </u>
10. Carry-over Vehicles?		11. Aux. Em. Control Devices Part No. & Calibration	<u>                                </u>
1976 Fed.            1975 Fed.            1975 Calif.		12. Tune-up Specifications	<u>                                </u>
		13. EPA Certificate	<u>                                </u>

Engine Family	Emission Control System**	Engine Size CID	Vehicle I.D. Number	Projected Exhaust Emissions at 50,000 Miles (grams/mile)		
				HC	CO	NOx
<u>I-TC</u>	<u>EGR, AI, OC.</u>	<u>232</u>	<u>PO 76-2 (DJ5D-5500001)</u>	<u>0.9(0.9)*</u>	<u>9.0 (17)*</u>	<u>2.0(2.0)*</u>
				<u>0.6</u>	<u>8.2</u>	<u>1.7</u>

Executive Order No. A-17-16R-1    12 Jan 1976    Date    Fulfilled all requirements for approval: Yes / No

Application Processed by [Signature]    12 Jan 1976    Date    Reviewed by [Signature]    1/14/76    Date

\*-Emission Standards. (Numbers in parenthesis refer to light-duty trucks.)

\*\*-Abbreviations:

Exhaust Emission Control System

- |                                 |   |
|---------------------------------|---|
| AI - Air Injection              | ESAC - Electronic Spark Advance Control |
| CAI - Catalyst Air Injection    | FI - Fuel Injection                     |
| FE - Early Fuel Evaporation     | OC - Oxidation Catalyst                 |
| EFI - Electronic Fuel Injection | RC - Reduction Catalyst                 |
| EGR - Exhaust Gas Recirculation | TR - Thermal Reactor                    |
| EM - Engine Modifications       |   |

Marketing agreement with another manufacturer: name of manufacturer \_\_\_\_\_

Additional comments: \_\_\_\_\_