

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17  
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;

IT IS ORDERED AND RESOLVED: That American Motors Corporation exhaust emission control systems for 1973-model light-duty motor vehicles are approved for the engine families described below:

<u>Engine Family</u>	<u>Engine Size (cubic inches)</u>	<u>Exhaust Emission Control System</u>	<u>Vehicle Models</u>
I	232	EM	Gremlin, Hornet, Javelin
		EM & EGR	Matador
	258	AIR & EGR	Matador Wagon
		EM	Gremlin, Hornet, Javelin
		EM & EGR	Matador, Ambassador
		AIR & EGR	Matador Wagon
II	304	AIR & EGR	Gremlin, Hornet, Javelin, Matador, Ambassador
III	360	AIR & EGR	Hornet, Javelin, Matador, Ambassador
	401	AIR & EGR	Javelin, Matador, Ambassador

Section 39152, Part I, Division 26 of the California Health and Safety Code requires that a decal be affixed to the side window which discloses the highest emissions from the certification fleet for that vehicle for which approval has been granted by the Board.

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The following are the recommended values to be listed on the decal:

<u>Engine Family</u>	<u>Hydrocarbons gms/mi</u>	<u>Carbon Monoxide gms/mi</u>	<u>Nitrogen Oxides gms/mi</u>
I	2.7	33	2.7
II	2.9	36	2.4
III	2.9	33	2.3

These values are in effect until January 30, 1973. After this date, the exhaust emissions for each vehicle determined by factory assembly-line tests in accordance with the "Assembly-Line Test Procedure for 1973 and Subsequent Model Light-Duty Vehicles" must be shown on a decal.

Section 3 of the above procedure requires the manufacturer to submit, before the start of a model-year, a list of the items to be functionally checked and the procedure, including instrumentation, for performing these checks.

In accordance with Section III E. of the California Exhaust Emission Standards and Test Procedures for 1973 through 1976 Models Gasoline-Powered Light-Duty Motor Vehicles, the manufacturer is required to inform the ARB of any production changes which will affect emissions.

Supplemental information sheets are attached to this order which include tune-up specifications and emission control system data.

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

Executed at Sacramento, California, this 28<sup>th</sup> day of August, 1972.

JOHN A. MAGA  
Executive Officer

AIR RESERVE CARD  
SUPPLEMENTAL INFORMATION  
1973 Model-Year  
Light Duty Vehicles

MANUFACTURER: AMERICAN MOTORS

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Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System					
							Exhaust	NOX	Evap.	Other		
Gremlin	232 258	1	M	Delco-Remy 1110497	C-V	Carter #6401(232) #6421(258)	EM		CC	TCS		
			A							SCS		
			304	M	Delco-Remy 1112179		Motorcraft # 3DM2	EM	EGR			TCS
				A								TSS
Hornet	232 258	1	M	Delco-Remy 1110497	C-V	Carter #6401(232) #6421(258)	EM		CC	TCS		
			A							TSS		
			304	A	Delco-Remy 1112214 #25506		Motorcraft # 3DA2	EM	EGR			SCS
				M								TSS
360	A	Delco-Remy 1112215 #25507		Motorcraft # 3RA2						SCS		
	M									TSS		

M - Manual Transmission  
A - Automatic Transmission

EM - Engine Modification  
AIR - Air Injection

\* C - Carburetor

EGR - Exhaust Gas Recirculation

TCS - Transmission Controlled Spark Advance

SCS - Speed Controlled Spark Advance

TSS - Temperature Sensing Switch

VK - Vacuum Return

AIR RESERVE BOARD  
SUPPLY MANUAL INFORMATION  
1973 Model-Year  
Light Duty Vehicles

EXECUTIVE ORDER A-17

Vehicle Model	Engine C.I.D. No. of Venturi	Carburetor	Transmission	Engine Family	Inertia Weight	Turn-up Specifications		Takes CO or ASE
						Idle RPM	Basic T/D	
Gremlin	232	1	M, A	I	3000	M-700 A-600	5° BTDC	1 - 1.5%
	258						3° BTDC	
	304	2		II		M-750 A-700	5° BTDC	0.5
Hornet	232	1	M, A	I	3000	M-700 A-600	5° BTDC	0.5
	258						3° BTDC	
	304	2		II	3500	M-750 A-700	5° BTDC	
	360	2	A	III				

M - Manual Transmission  
A - Automatic Transmission

See other side for additional information.

AIR RESERVE (AAR)  
 SUPPLEMENTAL INFORMATION  
 1973 Model-Year  
 Light Duty Vehicles

MANUFACTURER: AMERICAN MOTORS

EXECUTIVE ORDER A-17

Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Meter/Injector Make & No.	Type V.V.#	Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	HC	
Matador	232	1	M	Delco-Remy 1110497	C-V	Carter #64401 (232) #6421 (258)	EM**	EGR	CC	TSS
										TSS
	258	1	A	Delco-Remy 1112214 X25506	Motorcraft # 3DA2	Motorcraft # 3RA2	EM AIR	EGR		SCS
										TSS
360	2			Delco-Remy 1112215 X25507	Motorcraft # 3RA2	Motorcraft # 3RA2				SCS
										TSS
360	4				Motorcraft # 3FA4 # 3FA4P	Motorcraft # 3FA4 # 3FA4P				
401	4									

M-Manual Transmission  
 A-Automatic Transmission  
 \* C - General  
 V - Venturi  
 VR - Vacuum Return  
 EM - Engine Modifications  
 AIR - Air Injection  
 EGR - Exhaust Gas Recirculation  
 TCS - Transmission Controlled Spark Advance  
 SCS - Speed Controlled Spark Advance  
 TSS - Temperature Sensing Switch  
 \*\* Plus Air For Weapons Only

ALL RECORDS OWNED  
 SUPPLEMENTAL INFORMATION  
 1975 Model-Year  
 Light Duty Vehicles

EXECUTIVE ORDER A-17

Vehicle Model	Engine Cyl. P. No. of Valves	Cylinders	Transmission	Engine Family	Inertia Weight	Time-up Specifications		
						Idle RPM	Break Point	Idle CO. (ppm)
Matador	232	1	M, A	I	3500 4000*	M-700 A-600	5° BTDC	1 - 1.5%
						M-600 A-550**		
						M-600 A-550**		
258	1	1				M-700 A-600	3° BTDC	1 - 1.5
						M-600 A-550**		
						M-600 A-550**		
304	2	2	A	II	4000	M-750 A-700	5° BTDC	0.5
401	4	4		III	4000 4500*			

M - Manual Transmission  
 A - Automatic Transmission  
 \* Wagons Only  
 \*\* Automatic Sedans Only

See other side for additional information.

AIR RESOURCE CARD  
 SUPPLEMENTAL INFORMATION  
 1973 Model-Year  
 Light Duty Vehicles

MANUFACTURER: AMERICAN MOTORS

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Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System													
							Exhaust	NOx	Evap.	Other										
Ambassador	258	1	M	Delco-Remy 1110497	C-V	Carter # 6421	EM	EGR	CC	TCS										
										SCS										
										TSS										
										A	Delco-Remy 1112214 x25506	Motorcraft # 3DA2	EM	AIR	SCS					
																TSS				
																Other				
										Delco-Remy 1112215 x25507	Motorcraft # 3RA2	Motorcraft # 3TV4	Motorcraft # 3TAA4P	Motorcraft # 3TV4	SCS					
																TSS				
										401	4	4	A							

M - Manual Transmission  
 A - Automatic Transmission

EMI - Engine Modifications  
 AIR - Air Injection  
 EGR - Exhaust Gas Recirculation  
 TCS - Transmission Controlled Spark Advance  
 SCS - Speed Controlled Spark Advance  
 TSS - Temperature Sensing Switch

\* C - Carter  
 V - Vaco  
 VR - Vacuum Retard

AIR RESCUE BOARD  
 SUPPLEMENTAL INFORMATION  
 1973 Model-Year  
 Light Duty Vehicles

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MANUFACTURER: AMERICAN MOTORS

Vehicle Model	Engine C.I.D. No. of Venturi	Carburetor No. of Venturi	Trans- mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle Oil or Air
Ambassador	258	1	M, A	I	3500	M-600 A-550	3° BTDC	1 - 1.5%
						M-750 A-700	5° BTDC	0.5
	304	2	A	II	4000 4500*			
401	4		III					

M- Manual Transmission  
 A- Automatic Transmission

\* Ambassador Wagon

See other aids for additional information.





ARMY RESOURCES BOARD  
 SUPPLEMENTARY INFORMATION  
 1972 Model-Year  
 Light Duty Vehicle

MANUFACTURER: AMERICAN MOTORS

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Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Engine Family	Inertia Weight	Time-up Specifications			
						Idle RPM	Basic Timing	Idle CO or A/F	
Javelin	232 258	1	M,A	I	3000	M-700 A-600	5° 3°	BTDC BTDC	1-1.5%
	304	2		II	3500	M-750 A-700	5°	BTDC	0.5
360	2	A	III						
360	4	4	M,A						
401	4	4							

M - Manual Transmission  
 A - Automatic Transmission

See other side for additional information.