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:

Engine Family	Engine Size (cubic inches)	Exhaust Emission Control System	Vehicle Models
I	232	EM	Gremlin, Hornet, Javelin
		EM & EGR	Matador
		AIR & EGR	Matador Wagon
	258	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:

Engine Family	Hydrocarbons gms/mi	Carbon Monoxide gms/mi	Nitrogen Oxides gms/mi
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 28th day of August, 1972.

JOHN A. MAGA
Executive Officer

AIR RESOURCES BOARD
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 TSS
			A			#6400(232) #6422(258)				SCS TSS
	304	2	M	Delco-Remy 1112179		Motorcraft # 3DM2	EM AIR	EGR		TCS TSS
			A	Delco-Remy 1112214 x 25506		Motorcraft # 3DA2				SCS TSS
Hornet	232 258	1	M	Delco-Remy 1110497	C-V	Carter #6401(232) #6421(258)	EM		CC	TCS TSS
			A			#6400(232) #6422(258)				SCS TSS
	304	2	A	Delco-Remy 1112214 x25506		Motorcraft # 3DA2	EM AIR	EGR		SCS TSS
			M	Delco-Remy 1112179		Motorcraft # 3DM2				TCS TSS
	360	2	A	Delco-Remy 1112215 x25507		Motorcraft # 3RA2				SCS TSS

M - Manual Transmission
A - Automatic Transmission

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

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

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

M - Manual Transmission
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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
Matador	232 258	1	M	Delco-Remy 1110497	C-V	Carter #6401(232) #6421(258)	EM**	EGR	CC	TCS TSS
			A			#6400(232) #6422(258)				SCS TSS
	304	2		Delco-Remy 1112214 x25506		Motorcraft # 3DA2	EM AIR	EGR		SCS TSS
	360	2		Delco-Remy 1112215 x25507		Motorcraft # 3RA2				
	360	4				Motorcraft # 3TA4 # 3TA4P				
	401	4								

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** Plus Air For Wagons Only

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Matador	232	1	M,A	I	3500 4000 *	M-700 A-600 M-600 A-550** M-600 A-550*	5° BTDC	1 - 1.5% 1 - 1.5 0.5*
	258	1				M-700 A-600 M-600 A-550** M-600 A-550*	3° BTDC	1 - 1.5 1 - 1.5 0.5*
	304	2	A	II	4000	M-750 A-700	5° BTDC	0.5
	360	2,4		III				
	401	4			4000 4500*			

M - Manual Transmission
A - Automatic Transmission

* Wagons Only
** Automatic Sedans Only

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							Exhaust	NOx	Evap.	Other
Ambassador	258	1	M	Delco-Remy 1110497	C-V	Carter # 6421	EM	EGR	CC	TCS TSS
			A			Carter # 6422				SCS TSS
	304	2		Delco-Remy 1112214 x25506		Motorcraft # 3DA2	EM AIR			SCS TSS
	360	2		Delco-Remy 1112215 x25507		Motorcraft # 3RA2				
	360	4				Motorcraft # 3TA4 # 3TA4P				
	401	4				Motorcraft # 3TA4				

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						Idle RPM	Basic Timing	Idle CO or AFR
Ambassador	258	1	M,A	I	3500	M-600 A-550	3° BTDC	1 - 1.5%
	304	2	A	II	4000 4500*	M-750 A-700	5° BTDC	0.5
	360	2,4		III				
	401	4						

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* Ambassador Wagon

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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
Javelin	232 258	1	M	Delco-Remy 1110497	C-V	Carter #6401(232) #6421(258)	EM		CC	TCS TSS
			A			#6400(232) #6422(258)				SCS TSS
	304	2	M	Delco-Remy 1112179		Motorcraft # 3DM2	EM AIR	EGR		TCS TSS
			A	Delco-Remy 1112214 x25506		Motorcraft # 3DA2				SCS TSS
	360	2	A	Delco-Remy 1112215 x25507		Motorcraft # 3RA2				SCS TSS
	360	4	M	Delco-Remy 1112112		Motorcraft # 3TM4				TCS TSS
			A	Delco-Remy 1112215 x25507		Motorcraft # 3TA4 # 3TA4P				SCS TSS
	401	4	M	Delco-Remy 1112112		Motorcraft # 3TM				TSS
			A	Delco-Remy 1112215 x25507		Motorcraft #3TA4 #3TA4P				

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						Idle RPM	Basic Timing	Idle CO or AFR
Javelin	232 258	1	M,A	I	3000	M-700 A-600	5° BTDC 3° BTDC	1-1.5%
	304	2		II	3500	M-750 A-700	5° BTDC	0.5
	360	2	A	III				
	360	4	M,A					
	401	4						

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