

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-2
Relating to Approval of New Motor Vehicles
General 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 General Motors Corporation exhaust emission control systems for 1973-model year light-duty motor vehicles are approved for the engine families described below:

Engine Family 201 with "AIR/EGR"

Engine Size - 350 and 400 CID

Pontiac Models:

Luxury Lemans	Ventura
Lemans Sport Coupe	Ventura Hatchback
Lemans Deluxe Safari	Ventura Custom
Lemans Safari	Ventura Sprint
Lemans	Firebird
Catalina	Esprit
	Formula

Engine Family 201 with "EM/EGR"

Engine Size - 400 CID

Pontiac Models:

Grand Am	Catalina Safari
Luxury Lemans	Ventura
Lemans Sport Coupe	Ventura Hatchback
Lemans Deluxe Safari	Ventura Custom
Lemans Safari	Ventura Sprint
Lemans	Firebird
Catalina	Esprit
Bonneville	Formula

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Engine Family 301 with "EM/EGR"

Engine Size - 350 CID

Oldsmobile Models:

Omega, Cutlass, Cutlass S, Cutlass Supreme,
Cutlass Salon, Cutlass Supreme Vista Cruiser
Delta 88, Delta 88 Royale.

Engine Family 401 with "AIR/EGR"

Engine Size - 350 CID

Buick Models:

Century, Century Luxus, Regal, Gran Sport 350,
LeSabre, LeSabre Custom, Centurian.

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.

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>
GM 201	3.1	39	3.0
GM 301	2.7	29	2.7
GM 401	2.9	28	2.8

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.

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General Motors Corporation

Supplemental information sheets are attached to this letter 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

THE JOURNAL OF
PHYSICAL CHEMISTRY

INTERNATIONAL SCIENCE & STATISTICAL DIVISION

REGULARITY ORDER A=6,2

Vehicle Model	Engine No. I.D. No.	Cylinders No. of Cylinders	Transmission Type	Trans- mission Type	Engine Power	Inertia Weight	Torque Specifications		Idle (N) of T.A.R.
							Idle RPM	Runge RPM	
$\frac{V}{2}$	350	2	M	201		4000 4500 5000	900 in Neutral	10° BTDC @ 600 RPM in Neutral	Preset at Factory
$\frac{V}{2}$			A			4000 4500 5000	650 in Drive	12° BTDC	
$\frac{V}{3}$	400	2	A			4000 4500 5000 5500	650 in Drive	12° BTDC	

Suo Page 2 for Legend

M - Manual Transmission
A - Automatic Transmission

Absence of PLC may be a violation of Vehicle
Code Section 2715.6

see contact info for additional information.

AMERICAN MOTORS CORPORATION
GENERAL MOTORS DIVISION
1973 Model-Year
Eight Duty Vehicles

MANUFACTURER: GENERAL MOTORS - PONTIAC DIVISION

EXCERPTIVE ORDER A-6-2

Model	Engine C.I.D.	Carburetor No. of Venturi	Torque Multiplier	Distributor Make & No.	Type Adv. #	Catalytic Converter Type & No.	Exhaust Control System		Outfit
							Exhaust Pipe	Exhaust Manif.	
1/ , 2/ , 3/	350	M	2	Delco-Remy 1112202 1112236(EMC)	C-V 7043071	AIR	SCR	Exhaust	TSS TDS PLC
1/ , 2/ , 4/			A	Delco-Remy 1112201 1112234(EMC)		Rosenthal 7043063			
5/ , 6/ , 7/ , 8/	400		2	Delco-Remy 1112199 1112237(EMC)	C-V 7043061 7043067 +	Rosenthal 7043061 7043067 +	EGR AIR +	Exhaust	TSS TDS PLC
Model Legend:									
1/	Tirebird, Esprit, Firebird Formula, Ventura								
2/	Lemans, Lemans, Lemans Luxury, Lemans Sport								
3/	Lemans Wagon, Catalina								
4/	Firebird, Esprit								
5/	Lemans, Lemans, Lemans Sport, Grand Am								
6/	Catalina, Bonneville, Lemans Wagon								
7/	Safari								
8/									

M = Manual Transmission
A = Automatic Transmission

C = Centralized
V = Vacuum

V2 = Vacuum retarded
M2 = Mixture Screw

Applicable to Models 5/ , 6/ , Lemans Wagon

Applicable to Models 8/ , Catalina, Bonneville

EM = Engine Modification
AIR = Air Injection
EGR = Exhaust Gas Recirculation
TSS = Temperature Sensing Switch
TDS = Time Delay Switch
PLC = Plastic Limiter Caps on Idle
Mixture Screw

AMERICAN MOTORS CORPORATION
GENERAL MOTORS DIVISION

1973 Vista-Victor

Automobile Division

EXECUTIVE ORDER A-6-2

VINYLATION NUMBER	ENGINE Cylinders C. I. D., No. of Cylinders	CARBURETOR No. of Vacuum Inches	REGULAR PENALTY	INTERMEDIATE WEIGHT	VEHICLE WEIGHT	TRANSMISSION TYPE	VEHICLE WEIGHT	TRANSMISSION TYPE	VEHICLE WEIGHT	TRANSMISSION TYPE	VEHICLE WEIGHT
4	350	4	M	301	4000 4500 5000	1200 in Neutral	6° BTDC	Preset at Factory			
5			A		4000 4500 5000	650 in Drive	12° BTDC @ 1100 RPM in Neutral #				
6			2	A	5000	700 in Drive	12° BTDC 1100 RPM in Neutral				
7				A		4000 4500	700 in Drive	14° BTDC @ 1100 RPM in Neutral			
8											
9											
10											

See Page 4- For Legend

M = Manual Transmission
A = Automatic Transmission

** Absence of PLC may be a violation of Vehicle Code Section 27156.

Vista Cruiser has basic timing of 10° BTDC

See other side for additional information.

AIR RESOURCES AND
SUPPLEMENTAL INFORMATION
1973 Model-Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS - OLDSMOBILE DIVISION

Model	Engine C.I.D.	Carburetor No. of Vehicle	Transmission	Distributor Make & No.	Type Adv. #	Carburetor Make & No.	Emission Control System	Exhaust	NOX	EGR	Canister	Catalytic Converter
<u>1/</u> , <u>2/</u> , Cutlass Supreme	350	4	M	Delco-Remy 1112222	C-V	Rochester 7043257 7043255 *	EM					
<u>3/</u> , Vista Cruiser		A		Delco-Remy 1112195 1112225 *		Rochester 7043250 7043256 *						
<u>4/</u>		2	A	Delco-Remy 1112226		Rochester 7043152						
<u>1/</u> , <u>2/</u>			A	Delco-Remy 1112226		Rochester 7043154						
Model Legend:												
<u>1/</u> Omega							EM					
<u>2/</u> Cutlass, Cutlass S, Cutlass Supreme							EGR					
<u>3/</u> Cutlass, Cutlass S, Cutlass Supreme, Cutlass Calais							TSS					
<u>4/</u> Delta 38, Delta 68 Royale							Temperature Sensing Switch					
<u>5/</u> Cutlass Supreme, Vista Cruiser							Tire Safety Switch					
<u>6/</u> Cutlass, Cutlass S							PCV					
Picture Source:												

W = General Preparation
A = Automatic Transmission

V = V-8
VR = V-6 with 4-barrel

EM = Emissions Modification

EGR = Exhaust Gas Recirculation

TSS = Temperature Sensing Switch

PCV = Positive Crankcase Ventilation

* Applicable to GM 305 Only

+ Applicable to Models 3/ with 3.2A engine
and Vista Cruiser

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See [Legend](#)

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Zur Geschichte der

An owner or operator of a motor vehicle who violates section 27156 of the Vehicle Code is guilty of a violation.

THE JOURNAL OF POLYMER SCIENCE

AMERICAN MOTORS
SUPPLEMENTAL INFORMATION
1973 Model Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS - BUICK DIVISION

EXECUTIVE ORDER A-6-2

Model	Cyl. C.I.H.	Carburetor No. of Venturi	Trans- mission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Exhaust Enhance-	Provenance Control System Emissions	Exempt Emissions
Century, Century LeMans, Regal, LeSabre, Electra Custom, Century	350	2 & 4	M	Delco-Kennedy 1112109	C-V	Rochester 7043143(2V) 7043245(4V)	AIR	EGR	Canister
						Rochester 7043142(2V) 7043244(4V)			TSS PLC

AIR = Air Injection
 EGR = Exhaust Gas Recirculation
 TSS = Transient State Sampling Switch
 PLC = Programmed Logic Control
 A = Active
 C = Canister
 T = TSS
 V = PLC

* C = Carburetor
 V = Variable Venturi