

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

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

AVR ENGINEERING BOARD  
 SUPPLEMENTARY INFORMATION  
 1973 Model Year  
 Light Duty Vehicles

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GENERAL MOTORS - Pontiac Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Engine Family	Inertia Weight	Turn-up Specifications			
						Idle RPM	Basic Idle RPM		
1/ 2/ 3/	350	2	M	201	4000 4500 5000	900 in Neutral	10° BTDC @ 600 RPM in Neutral	Preset at Factory	
							4000 4500 5000		12° BTDC
									650 in Drive
5/ 6/ 7/ 8/	400	2	A	4000 4500 5000 5500	4000 4500 5000 5500	650 in Drive	12° BTDC		
							4000 4500 5000 5500		650 in Drive

See Page 2 For Legend

M - Manual Transmission

A - Automatic Transmission

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

See other side for additional information.

AIR INJECTION CARD  
 GENERAL MOTORS PONTIAC DIVISION  
 1973 Model-Year  
 Light Duty Vehicles

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MEMORANDUM: GENERAL MOTORS - PONTIAC DIVISION

Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-Model	Distributor Make & No.	Type Adv.'s	Carburetor Make & No.	EMI # AIR +	ECR	Ignition Control System Swop.	Order
<u>1/</u> , <u>2/</u> , <u>3/</u>	350	2	M	Delco-Remy 1112202 1112236(ENG)	C-V	Rochester 7043071		ECR	Rochester	TSS TDS PLC
<u>1/</u> , <u>2/</u> , <u>4/</u>			A	Delco-Remy 1112201 1112234(ENG)		Rochester 7043063				
<u>2/</u> , <u>6/</u> , <u>7/</u> , <u>8/</u>	400	2	A	Delco-Remy 1112199 1112237(ENG)	C-V	Rochester 7043061 # 7043067 +	EMI # AIR +	ECR	Rochester	TSS TDS PLC
Model Legend:										
<u>1/</u> Firebird, Esprit, Firebird Formula, Ventura										
<u>2/</u> Lemans, Lemans, Lemans Luxury, Lemans Sport										
<u>3/</u> Lemans Wagon										
<u>4/</u> Lemans Wagon, Catalina										
<u>5/</u> Firebird, Esprit										
<u>6/</u> Lemans, Lemans Luxury, Lemans Sport, Grand Am										
<u>7/</u> Catalina, Bonneville, Lemans Wagon										
<u>8/</u> Safari										

# Applicable to Models 5/, 6/, Lemans Wagon  
 + Applicable to Models 8/, Catalina, Bonneville

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

M - Manual Transmission  
 A - Automatic Transmission  
 C - Centrifugal  
 V - Vacuum  
 VR - Vacuum retard

1973 GENERAL MOTOR  
CORPORATION  
1973 Models

GENERAL MOTORS - OLDSMOBILE DIVISION  
Medium Duty Vehicles

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Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Engine Family	Inertia Weight	Ratio	Basic Timing	Remarks
1/2/3/	350	4	M	301	4000 4500 5000	1100 in Neutral	8° BTDC	Preset at Factory
1/3/5/			A		4000 4500 5000	650 in Drive	12° BTDC @ 1100 RPM in Neutral #	
4/		2	A		5000	700 in Drive	12° BTDC 1100 RPM in Neutral	
1/6/			A		4000 4500	700 in Drive	14° BTDC @ 1100 RPM in Neutral	

See Page 4- For Legend \*\* Absence of PLC may be a violation of Vehicle Code Section 27156.

M - Manual Transmission # Vista Cruiser has basic timing of 10° BTDC

A - Automatic Transmission

See other side for additional information.

ALL RESOURCES SAID  
 SUPPLEMENTAL INFORMATION  
 1973 Model-Year  
 Light Duty Vehicles

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MANUFACTURER: GENERAL MOTORS - OLDSMOBILE DIVISION

Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Distributor Make & No.	Type Adv.#	Carburetor Make & No.	Emission Control System		
							Exhaust	NOx	Other
1/1, 2/1, Cutlass Supreme	350	4	M	Delco-Remy 1112222	C-V	Rochester 7043257 7043255 #	EM	EGR	TSS TDS PLC
3/1, Vista Cruiser			A	Delco-Remy 1112195 1112225 +		Rochester 7043250 7043256 *			
4/1		2	A	Delco-Remy 1112226		Rochester 7043152			
1/1, 2/1			A	Delco-Remy 1112226		Rochester 7043154			

Model Legend:

- 1/ Omega
- 2/ Cutlass, Cutlass S, Cutlass Supreme
- 3/ Cutlass, Cutlass S, Cutlass Supreme, Cutlass Salon
- 4/ Delta 88, Delta 88 Royale
- 5/ Cutlass Supreme, Vista Cruiser
- 6/ Cutlass, Cutlass S

M - Manual Transmission  
 A - Automatic Transmission  
 G - G-Force  
 V - V-Force  
 VR - Vacuum Retard

EM - Engine Modification  
 EGR - Exhaust Gas Recirculation  
 TSS - Temperature Sensing Switch  
 TDS - Throttle Body Switch  
 PLC - Plastic Fueler Caps on Valve  
 Mixture Screw

\* Applicable to Omega Only  
 + Applicable to Models 3/ with 3.2L and Vista Cruiser

1973 Buick Baby Vehicles  
 Buick Buick, Buick Buick  
 1973 Buick Buick

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GENERAL MOTORS - BUICK DIVISION

Model	Engine D.T.D. No. of Valves	Cylinder	Transmission	Engine Family	Vehicle Weight	Transmission Specifications		
						Idle RPM	Vehicle Family	
Century, Century Luxury, Regal, Open Sport	350	2 & 4	M	401	4500	800 in Neutral	4° BTDC @ 600 RPM in Neutral	Preset at Factory
						550 in Drive	4° BTDC @ 650 RPM in Drive	
Century, Century Luxury, Regal, LeSabre, LeSabre Custom, Centurion			A		4500 5000			

See Page 6 for Legend

M - Manual Transmission

A - Automatic Transmission

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

See other side for additional information.



