State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-8
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 1974 model year light-duty motor vehicles are approved for the engine families described below:

Engine Family: GM201-2 with Air Injection and Exhaust Gas Recirculation.

Engine: 350 CID and 400 CID with Automatic Transmission.

Pontiac Models: Ventura, Ventura Custom, Firebird, Esprit, Formula, LeMans, LeMans Sport, Lemans Safari, Luxury Lemans, Luxury Lemans Safari, Grand AM, Catalina, and Bonneville

Engine Family: GM201-4 with Engine Modification (CCS) and Exhaust Gas Recirculation.

Engine: 350 CID with Automatic Transmission.

Pontiac Models: Ventura, Ventura Custom, and GTO.

Engine Family: GM202 with Engine Modification (CCS) and Exhaust Gas Recirculation.

Engine: 400 CID or 455 CID with Automatic Transmission.

Pontiac Models: Formula, Trans AM, LeMans, LeMans Sport, LeMans Safari, Luxury Lemans, Luxury Lemans Safari, Grand AM, Grand Prix, Grand Prix SJ, Catalina, Bonneville, Grand Ville, Catalina Safari, Grand Safari and Stageway Coach.

Engine Family: GM401-2 with Air Injection and Exhaust Gas Recirculation.

Engine: 350 CID with Automatic Transmission.

Buick Models: Apollo Hatchback 4XB17, Apollo Coupe 4XB27, Apollo Sedan 4XB69,

Century 350 Coupe 4AD37, Century 350 Sedan 4AD29, Century 350/Gran Sport 4AD37/WF1, Century Luxus Coupe 4AH57, Century Luxus Sedan 4AH29, Regal Formal Coupe 4AJ57, Regal Sedan 4AJ29,

Century 350 2 Seat Wagon 4AF35, Century 350 3 Seat Wagon 4AF45, Century Luxus 2 Seat Wagon 4AK35, Century Luxus 3 Seat Wagon 4AK45,

LeSabre Coupe Hardtop 4BN57, LeSabre Sedan 4BN69, LeSabre Luxus Coupe Hardtop 4BP57, LeSabre Luxus Convertible 4BP67, LeSabre Luxus Hardtop 4BP39, LeSabre Luxus Sedan 4BP69, LeSabre Hardtop 4BN39.

Engine Family: GM401-4A with Air Injection and Exhaust Gas Recirculation.

Engine: 350 CID with Automatic Transmission.

Buick Models: Apollo Hatchback 4XB17, Apollo Coupe 4XB27, Apollo Sedan 4XB69,

Century 350 Coupe 4AD37, Century 350 Sedan 4AD29, Century 350/Gran Sport 4AD37/WF1, Century Luxus Coupe 4AH57, Century Luxus Sedan 4AH29, Regal Formal Coupe 4AJ57, Regal Sedan 4AJ29,

Century 350 2 Seat Wagon 4AF35, Century 350 3 Seat Wagon 4AF45, Century Luxus 2 Seat Wagon 4AK35, Century Luxus 3 Seat Wagon 4AK45,

LeSabre Coupe Hardtop 4BN57, LeSabre Hardtop 4BN39, LeSabre Sedan 4BN69, LeSabre Luxus Coupe Hardtop 4BP57, LeSabre Luxus Convertible 4BP67, LeSabre Luxus Hardtop 4BP39, LeSabre Luxus Sedan 4BP69

Engine Family: GM402-2 with Air Injection and Exhaust Gas Recirculation.

Engine: 455 CID with Automatic Transmission.

Buick Models: Century 350 Coupe 4AD37, Century 350 Sedan 4AD29, Century Luxus Coupe 4AH57, Century Luxus Sedan 4AH29, Regal Formal Coupe 4AJ57, Regal Sedan 4AJ29, Century 350 Gran Sport 455 Coupe 4AD37/WF3, Century 350 Gran Sport 455 Coupe 4AD37/WF4,

LeSabre Coupe Hardtop 4BN57, LeSabre Hardtop 4BN39, LeSabre Sedan 4BN69, LeSabre Luxus Coupe Hardtop 4BP57, LeSabre Luxus Convertible 4BP67, LeSabre Luxus Hardtop 4BP39, LeSabre Luxus Sedan 4BP69,

Estate Wagon 2 Seat 4BR35, Estate Wagon 3 Seat 4BR45,

Electra Coupe 225 Hardtop 4CT37, Electra 225 Hardtop 4CT39, Electra 225 Custom Coupe Hardtop 4CV37, Electra 225 Custom Hardtop 4CV39, Electra Limited Coupe 4CX37, Electra Limited Hardtop 4CX39,

Riviera Coupe Hardtop 4EY87, Riviera GS Coupe Hardtop 4EY87/Y49, Riviera GS Coupe Hardtop Stage I 4EY87/Y49/Y43,

Century 350 Wagon 2 Seat 4AF35, Century 350 Wagon 3 Seat 4AF45, Century Luxus Wagon 2 Seat 4AK35, Century Luxus Wagon 3 Seat 4AK45,

Engine Family: GM501 with Air Injection and Exhaust Gas Recirculation.

Engine: 472 CID and 500 CID with Automatic Transmission.

Cadillac Models: Calais Coupe, Calais Sedan, Coupe Deville, Sedan DeVille, Fleetwood 60 Brougham, Fleetwood 75 Sedan, Fleetwood 75 Limo, Eldorado Coupe, Eldorado Convertible.

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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
GM201-2	2.3	37	1.5
GM201-4	2.8	29	1.9
GM202	2.8	29	2.0
GM401-2	2.0	30	1.7
GM401-4A	3.1	35	1.8
GM402-4	2.5	27	1.9
GM501	3.1	33	1.6

According to the California Assembly-Line Test Procedure for 1974 Model Light-Duty Gasoline Powered Vehicles, these values shall be in effect during the first calendar quarter of model production and not to exceed 30 days thereafter. Not more than one month after the first and each succeeding calendar quarter of production, the exhaust emission shown on the window decal shall be the average quality audit values for the engine family of the previous calendar quarter of production.

Section B3 of the above procedure requires the manufacturer to submit to the Executive Officer before the start of the model-year, a list of the engine components and control systems affecting emissions to be functionally checked and the procedure for performing these checks.

In accordance with Section II 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 Air Resources Board 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 _____ day of August, 1973.

JOHN A. MAGA
Executive Officer

E. O.
1/22/74

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-8-A
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 paragraph 1 of page 3 in Executive Order A-6-8, dated August 29, 1973 is amended to read:

Engine Family: GM402-4 with Air Injection and Exhaust Gas Recirculation.

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 day of January, 1974.

WILLIAM SIMMONS
Executive Officer

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS CORPORATION - PONTIAC DIVISION

EXECUTIVE ORDER A-6-8

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
LeMans Sedan, LeMans Coupe, LeMans Luxury-Sedan, Lemans Luxury Coupe, LeMans Sport Coupe	350 & 400	2BBL	A-3	GM201-2	4500	625 in Drive	10°BTDC @ 625 in Drive	If greater than 0.3% CO reset to 0.2% CO (MAX)
Esprit, Formula, Firebird, Ventura, Ventura Custom	350				4000			
Catalina, Bonneville, LeMans Safari Luxury LeMans Safari, Grand AM	400				5000			
					4500			
Ventura, Ventura Custom GTO	350	4		GM201-4	4000			
LeMans, Lemans Luxury, Lemans Sport, Trans AM, Grand AM, Grand Prix	400 & 455			GM 202	4500			
Formula					4000			
Grand Prix SJ	455				4500			

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS CORPORATION - PONTIAC DIVISION

EXECUTIVE ORDER A-6-8

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
Lemans Sedan, Lemans Coupe, Lemans Luxury Sedan, LeMans Luxury Coupe, LeMans Sport Coupe, Firebird, Esprit, Formula, Ventura, Ventura Custom	350	2Bbl	A-3	Delco-Remy 1112804 1112234-EMC	C-V	Rochester 7044063	AIR	EGR 7048203	CAN	TCS
Catalina, Bonneville, LeMans Safari, Luxury LeMans Safari	400			Delco-Remy 1112833 1112834-EMC		Rochester 7044067				
Ventura, Ventura Custom, GTO	350	4		Delco-Remy 1112805 or 1112237 EMC		Rochester 7044568	EM	EGR 7041462		
LeMans, LeMans Luxury, LeMans Sport, Formula, Trans AM, Grand AM, Grand Prix	400			Delco-Remy 1112813 or 1112512 EMC		Rochester 7044266		EGR 7042847		
LeMans, LeMans Luxury, LeMans Sport, Formula	455			Delco-Remy 1112807 or 1112513 EMC		Rochester 7044262		EGR 7049878		

** EM - Engine Modification (CCS)
EGR - Exhaust Gas Recirculation (Dual Diaphragm Valve)
CAN - GM Evap. Control System with Charcoal Canister Storage.
TCS - Transmission Controlled Spark Advance

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

REVISED 1-15-74

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS CORPORATION - PONTIAC DIVISION

EXECUTIVE ORDER A-6-8

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
Catalina, Bonneville, Grand Ville	455	4	A-3	GM 202	5000	625 in Drive	10° BTDC @ 625 in Drive	If greater than 0.3% CO reset to 0.2% Max.
Catalina Safari, Grand Safari,					5500			
Stageway Coach					5500 +			

REVISED 1-15-74

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

ANUFACTURER: GENERAL MOTORS CORPORATION - PONTIAC DIVISION

EXECUTIVE ORDER A-6-8

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
Trans AM, Grand AM, Grand Prix	455	4	A-3	Delco Remy 1112807 or 1112513 EMC	C-V	Rochester 7044262	EM	EGR 7049878	CAN.	TCS
Grand Prix SJ				Delco Remy 1112810						
Catalina, Bonneville, Grandville, Catalina Safari, Grand Safari				Delco Remy 1112807 or 1112513 EMC		Rochester 7044262 or 7044560		EGR 7049878 or 7041462		
Stageway Coach										

** EM - Engine Modification (CCS)
EGR - Exhaust Gas Recirculation (Dual Diaphragm Valve)
CAN - GM Evap. Control System with Charcoal Canister Storage
TCS - Transmission Controlled Spark Advance

C - Centrifugal
V - Vacuum
VR - Vacuum retard

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS CORPORATION - BUICK DIVISION

EXECUTIVE ORDER A-6-8

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications: Idle RPM	Tune-up Specifications: Basic Timing	Tune-up Specifications: Idle CO or AFR
Apollo	350	2 or 4	A-3	GM401-2 or GM401-4A	4000	650 in Drive	4°BTDC @ 650 in Drive	If greater than 0.6% CO reset to 0.3% CO
Century 350, Century Luxus Regal					4500			
Century 350 Wagons, Century Luxus Wagons, LeSabre, Le Sabre Luxus					5000			
Century 350 Century Luxus Regal	455	4		GM402-4	4500		(10°BTDC for optional Nation-wide with 'A' body)	
LeSabre, LeSabre Luxus, Century 350, Century Luxus, Regal					5000			
Electra, Riviera,					5500			
Estate Wagon					5500 +			

REVISED 1-15-74

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS CORPORATION - BUICK DIVISION

EXECUTIVE ORDER A-6-8

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
Apollo, Century 350 Century Luxus, Regal, Century 350 Wagon, Century Luxus Wagon, LeSabre, LeSabre Luxus	350	2	A-3	Delco-Remy 1112541 or 1112802(HEI)*	C-V	Rochester 7044442, or 7044444	AIR	EGR 7041147 (Dual Diaph)	CAN	
Apollo, Century 350, Century Luxus, Regal, Century 350 Wagon, Century Luxus Wagon, LeSabre, LeSabre Luxus		4		Delco-Remy 1112541 or 1112802(HEI)*		Rochester 7044544 or 7044546		EGR 7041222 (Dual Diaph)		
Century 350 Century Luxus	455			Delco-Remy 1112542,1112803 (HEI)*, 1112521 (HEI)*		Rochester 7044242 or 7044240		EGR 17050767, 7041446		TCS (Engine 3 only)
LeSabre, LeSabre Luxus, Electra, Riviera, Estate Wagon				Delco-Remy 1112542 1112803(HEI)* 1112520 (HEI)*		Rochester 7044240		EGR 17050767 or 17050768		

*HEI - High Energy Ignition
** AIR - Air Injection Reactor System
EGR - Exhaust Gas Recirculation
CAN - GM Evap. Control System with Canister
TCS - Transmission Controlled Spark Advance

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

REVISED 1-15-74

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS CORPORATION - CADILLAC DIVISION

EXECUTIVE ORDER A-6-8

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
Calais DeVille	472	4	A3	GM501	5500	600 in Drive	10° BTDC @ 600 in Drive	if more than 0.5% CO or less than 0.3% CO reset to 0.4% CO
Fleetwood 60 Brougham Fleetwood 75 Sedan Fleetwood 75 Limo					5500 +			
Eldorado	500				5500			

REVISED 1-15-74

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

MANUFACTURER: GENERAL MOTORS CORPORATION - CADILLAC DIVISION EXECUTIVE ORDER A-6-8

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
Calais DeVille Fleetwood 60 Brougham Fleetwood 75 Sedan Fleetwood 75 Limo	472	4	A3	Delco-Remy 1112836 1112840***	C-V	Rochester 7044530	AIR	EGR 7042840	CAN	
Eldorado	500			Delco-Remy 1112838 1112842***		Rochester 7044532				

** AIR - Air Injection Reactor System
EGR - Exhaust Gas Recirculation - Exhaust Pressure Modulated.
CAN - GM Evap Control System with Canister.
***HEI - High Energy Ignition

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

REVISED 1-15-74