

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-27  
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 and Executive Order G-45-1;

IT IS ORDERED AND RESOLVED: That General Motors Corporation exhaust emission control systems for 1975 model-year passenger cars are approved for the engine family described below:

Engine Family: 41S43/0  
Engine: 455 CID  
Transmission: 3-speed automatic  
Exhaust Emission Control Systems: Exhaust gas recirculation, early fuel evaporation, and oxidation catalyst.

Models: Buick

Estate Wagon 2-Seat  
Estate Wagon 3-Seat  
Electra 225 2-Door Hardtop  
Electra 225 4-Door Hardtop  
Electra Limited 2-Door Hardtop  
Electra Limited 4-Door Hardtop  
Riviera 2-Door Hardtop

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1975 model vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
41S43/0	0.9	7.3	1.9

Vehicles approved under this Executive Order must conform to all applicable California emission regulations.

GENERAL MOTORS CORPORATION

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

Executed at El Monte, California, this 21 day of August, 1974.



G. C. Hass, Chief  
Division of Vehicle  
Emissions Control

SUPERSEDED

**AIR RESONANCE BOARD**  
**SUPPLEMENTAL INFORMATION**  
 1975 MODEL YEAR  
 PASSENGER CARS  
 LIGHT DUTY TRUCKS  
 Revised: Sept. 16, 1974  
 Sept. 27, 1974  
 Oct. 18, 1974  
 Feb. 3, 1975

BUICK DIVISION OF GENERAL MOTORS CORP. EXECUTIVE ORDER NO. A-6-27 PAGE NO. 1

Engine Family	Vehicle Models (Refer to Attachment for code)	Engine CID	Trans.	Inertia Weight	Type	Distributor		Fuel System		Emission Control System			Tune-up Specifications	
						Mfg. Part No.	Mfg. Part No.	Type	Oxidizing Catalyst Part No. Service*	ECR Part No. Service*	Idle RPM	Basic Timing	Idle Mixture	
41S43/0	4BR35 4BF69+ (R.C.33)	455	A-3	5500+	HEI C,V (R.C. 146)	1112894 1112963 (R.C. 146)	4 bbl	7045548 7045541 (R.C. 5)	EGR OC EFE	6498369 No Service	7043438 No Service	600 (Drive)	12° BTDC @ 600 RPM (Drive)	Factory Preset
41S43/0	4BR45	455	A-3	5500+	HEI C,V (R.C. 146)	1112894 1112963 (R.C. 146)	4 bbl	7045548 7045541 (R.C. 5)	EGR OC EFE	6498369 No Service	7043438 No Service	600 (Drive)	12° BTDC @ 600 RPM (Drive)	Factory Preset
41S43/0	4CV37 4CV39 4CX37 4CX39	455	A-3	5500	HEI C,V (R.C. 146)	1112894 1112963 (R.C. 146)	4 bbl	7045548 7045541 (R.C. 5)	EGR OC EFE	6498369 No Service	7043438 No Service	600 (Drive)	12° BTDC @ 600 RPM (Drive)	Factory Preset

**ABBREVIATIONS:**  
**Distributor**  
 C - Centrifugal Advance  
 V - Vacuum Advance  
 VR - Vacuum Retard  
 HEI - High Energy Ignition  
**Exhaust Emission Control System**  
 AIR - Air Injection Reactor  
 EFI - Electronic Fuel Injection  
 EGR - Exhaust Gas Recirculation  
 OC - Oxidation Catalyst  
**Evaporative Control System**  
 CAN - Charcoal Canister Storage  
 \*Service  
 I - Inspect, repair/replace as needed  
 R - Replace

AIR RESOLUTIONS BOARD  
SUPPLEMENTAL INFORMATION  
1975 MODEL YEAR

Revised: Sept. 16, 1974  
Feb. 3, 1975

PASSENGER CARS       LIGHT DUTY TRUCKS

Buick DIVISION OF GENERAL MOTORS CORP. EXECUTIVE ORDER NO. A-6-27 PAGE NO. 2

Engine Family	Vehicle Models (Refer to Attachment for code)	Engine CID	Trans.	Inertia Weight	Distributor		Fuel System		Emission Control System			Tune-up Specifications		Idle Mixture
					Type	Mfr. Part No.	Type	Mfr. Part No.	Type	Oxidizing Catalyst Part No. Service*	ECR Part No. Service*	Idle RPM	Basic Timing	
41S43/0	4BN57	455	A-3	5000	HEI, C, V	1112894	4 bbl.	7045541	EGR	6498369	7043438	600 (Drive)	12° BTDC @ 600 RPM	Factory Preset
	4BN69	*				1112963			OC	No	No			
	4BP57	*							EFE	Service	Service			
	4BP69	*												
	4BP67	*												
	4BN39	*												
	4BP39	*												
	* (R. C. 5C)													

ABBREVIATIONS:

- Distributor
- C - Centrifugal Advance
  - V - Vacuum Advance
  - VR - Vacuum Retard
  - HEI - High Energy Ignition

- Exhaust Emission Control System
- AIR - Air Injection Reactor
  - EFI - Electronic Fuel Injection
  - EGR - Exhaust Gas Recirculation
  - OC - Oxidation Catalyst

- Evaporative Control System
- CAN - Charcoal Canister Storage
- Service\*
- I - Inspect, repair/replace as needed

ATTACHMENT I

SUPPLEMENTAL INFORMATION FORM

Executive Order No. A-6-27

Page No. 2

	<u>Model Name</u>	<u>Model Number</u>
Buick	Estate Wagon 2-Seat	4BR35
	Estate Wagon 3-Seat	4BR45
	Estate Wagon Limousine	4BR45
	Electra 225 2 Door Hardtop	4CV37
	Electra 225 4 Door Hardtop	4CV39
	Electra Limited 2 Door Hardtop	4CX37
	Electra Limited 4 Door Hardtop	4CX39
	Riviera 2 Door Hardtop	4EZ87
	LeSabre Hardtop	4BN39
	LeSabre Coupe Hardtop	4BN57
	LeSabre Sedan	4BN69
	LeSabre Custom Hardtop	4BP39
	LeSabre Custom Coupe Hardtop	4BP57
	LeSabre Custom Convertible	4BP67
	LeSabre Custom Sedan	4BP69
LeSabre 9 Passenger Limousine	4BP69+	

Revised 6/9/75