

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-613  
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1994 model-year General Motors Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: R1G2.2V7GFEA Displacement: 2.2 Liters (134 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation  
Three Way Catalytic Converter  
Oxygen Sensor  
Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.25	3.4	0.4
100,000	0.31	4.2	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.11	2.8	0.2
100,000	0.13	3.5	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That on January 14, 1993, the Air Resources Board adopted the repeal of the currently-effective requirement that each manufacturer certify a minimum of 80 percent of its projected sales of 1994 model-year California-certified passenger cars and light-duty trucks to the phase-in standards for NMHC, or the more stringent standards in section 1960.1(g)(2) of Title 13, California Code of Regulations. If the repeal of such requirement does not become effective, the manufacturer shall submit a plan for compliance with the requirement; passenger cars and light-duty trucks not meeting such phase-in or more stringent standards shall be certified only to the extent allowed under the requirement.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2290).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 23<sup>rd</sup> day of June, 1993.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

(FOR CARB USE ONLY)

E.O. #A-6-613

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R1G2.2V7GFEA  
PASSENGER CARS X LIGHT DUTY TRUCKS     MEDIUM DUTY VEHICLES      
FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA  
ENGINE CONFIG: L4 LITER (CID): 2.2 (134) EVAP FAMILY: R1G1046AYMOC  
ENGINE: FRONT X MID     REAR     DRIVE: FWD X RWD     4WD-FT     4WD-PT      
EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, TWC, O2S, MFI, KS  
DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
35	3AJ69 3AG69 3AL69 3AJ35 4AH69 4AL69 4AG69 4AH35 4AG35	A3	3250  3375 3250  3375	16192643	17090076	25145485, 25161857
35A				16198193		
36	3AJ69 3AG69 3AL69 3AJ35 4AH69 4AL69 4AG69 4AH35 4AG35		3250  3375 3250  3375	16192643		
36A				16198193		

ISSUED: 04-06-93  
(ML-RP235)

REVISED: ML-RR038, RR084, RR142, RR147

17-R1G2.2V7GFEA-2  
(1994)

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: R1G2.2V7GFEA

PASSENGER CARS X

LIGHT DUTY TRUCKS     

MEDIUM DUTY VEHICLES     

FUEL TYPE: GAS

STANDARDS TYPE: TIER 1

VEHICLE TYPE: NA

ENGINE CONFIG: L4

LITER (CID): 2.2 (134)

EVAP FAMILY: R1G1046AYMOC

ENGINE: FRONT X MID      REAR     

DRIVE: FWD X RWD      4WD-FT      4WD-PT     

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, TWC, O2S, MFI,

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
11	1JC35	A3	3000	16179433	17090076	25145314
	1JC37		2875			
	1JC69		3000			
	1JC67		3125			
12	1JC35		3000			
	1JC37		2875			
	1JC69					
	1JC67		3000			
13	1LD69		3125	16192793		
	1LT69					
	1LV37					
	1LW37					
14	1LD69					
	1LT69					
	1LV37					
	1LW37					

ISSUED: 05-11-93  
(ML-RR014)

REVISED:

17-R1G2.2V7GFEA-2.1  
(1994)

(FOR CARB USE ONLY)

16.03.00.00

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EXECUTIVE ORDER INFORMATION

ENGINE FAMILY . . . . . R1G2.2V7GFEA

EVAPORATIVE FAMILY . . . . R1G1046AYMOC

CARLINES TO BE COVERED:

<u>CARLINE NAME</u>	<u>CARLINE CODE</u>
CENTURY	08020
CENTURY WAGON	08025
CUTLASS CIERA	29015
CUTLASS CRUISER	29020

ISSUED: 04-06-93  
(ML-RP235)

REVISED:

16-R1G2.2V7GFEA-2  
(1994)

(1994)

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BUICK MODEL IDENTIFICATION

<u>MODEL</u>	<u>NAME</u>	<u>CAR LINE</u>	<u>CODE</u>
4AG69	CENTURY SPECIAL SEDAN	CENTURY	08020
4AH69	CENTURY CUSTOM SEDAN		08020
4AL69	CENTURY LIMITED SEDAN		08020
4AG35	CENTURY SPECIAL WAGON	CENTURY WAGON	08025
4AH35	CENTURY CUSTOM WAGON		08025
4BN69	ROADMASTER SEDAN	ROADMASTER	08060
4BT69	ROADMASTER LIMITED SEDAN		08060
4BR35	ROADMASTER ESTATE WAGON	ROADMASTER WAGON	08035
4CU69	PARK AVENUE ULTRA SEDAN	PARK AVENUE	08040
4CW69	PARK AVENUE SEDAN		08040
4HP69	LESABRE CUSTOM SEDAN	LESABRE	08030
4HR69	LESABRE LIMITED SEDAN		08030
4NJ37	SKYLARK LIMITED COUPE	SKYLARK	08055
4NJ69	SKYLARK LIMITED SEDAN		08055
4NM37	SKYLARK GRAN SPORT COUPE		08055
4NM69	SKYLARK GRAN SPORT SEDAN		08055
4NV37	SKYLARK CUSTOM COUPE		08055
4NV69	SKYLARK CUSTOM SEDAN		08055
4WB19	REGAL CUSTOM SEDAN	REGAL	08022
4WB57	REGAL CUSTOM COUPE		08022
4WD19	REGAL LIMITED SEDAN		08022
4WF19	REGAL GRAN SPORT SEDAN		08022
4WF57	REGAL GRAN SPORT COUPE		08022

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OLDSMOBILE MODEL IDENTIFICATION

<u>MODEL</u>	<u>NAME</u>	<u>CAR LINE</u>	<u>CODE</u>
3AG69	CUTLASS CIERA S SEDAN	CUTLASS CIERA	29015
3AM69	CUTLASS CIERA SL SEDAN		29015
3AJ35	CUTLASS CRUISER S STATION WAGON	CUTLASS CRUISER	29020
3AM35	CUTLASS CRUISER SL STATION WAGON		29020
3CW69	NINETY EIGHT REGENCY ELITE SEDAN	NINETY EIGHT	29035
3CX69	NINETY EIGHT REGENCY SEDAN		29035
3HN69	EIGHTY EIGHT ROYALE SEDAN	EIGHTY EIGHT	29025
3HY69	EIGHTY EIGHT ROYALE LS SEDAN		29025
3NF37	ACHIEVA SC COUPE	ACHIEVA	29010
3NF69	ACHIEVA SL SEDAN		29010
3NL37	ACHIEVA COUPE		29010
3NL69	ACHIEVA SEDAN		29010
3WH47	CUTLASS SUPREME S COUPE	CUTLASS SUPREME	29055
3WH69	CUTLASS SUPREME S SEDAN		29055
3WT67	CUTLASS SUPREME CONVERTIBLE		29055

ISSUED: 12-18-92  
(ML-RP071)

08.13.03.00-4  
(1994)