

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-629
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: R1G5.7V8G0EA Displacement: 5.7 Liters (350 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Secondary Air Injection
- Exhaust Gas Recirculation
- Dual Three Way Catalytic Converters
- Dual Heated Oxygen Sensors
- Sequential 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	0.39	7.0	0.4

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	0.29	2.9	0.1

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 28th day of June, 1993.


R. B. Summerfield *for*
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

16.03.00.00

A-6-629

EXECUTIVE ORDER INFORMATION

ENGINE FAMILY R1G5.7V8G0EA

EVAPORATIVE FAMILY R1G1058AYMOB

CARLINES TO BE COVERED:

<u>CARLINE NAME</u>	<u>CARLINE CODE</u>
CHEVROLET CAPRICE SEDAN	12040
CHEVROLET CAPRICE WAGON	12045
BUICK ROADMASTER WAGON	08035
BUICK ROADMASTER SEDAN	08060
BUICK COACHBUILDER WAGON/HEARSE	78010
CADILLAC SEDAN	10025

ISSUED: 06-09-93
(ML-RP359)

REVISED:

16-R1G5.7V8G0EA-2
(1994)

16-57V8G

(1994)

A-6-629

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
4BB90	COACHBUILDER WAGON	COACHBUILDER WAGON	78010
4BB90+B9Q	COACHBUILDER HEARSE		78010
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

ISSUED: 12-18-92 REVISED: ML-RP318
(ML-RP071)

08.13.03.00-5
(1994)

(1994)

A-6-629

CADILLAC MODEL IDENTIFICATION

<u>MODEL</u>	<u>NAME</u>	<u>CAR LINE</u>	<u>CODE</u>
6DW69+V4U	LIMOUSINE	LIMOUSINE	10015
6DW69	FLEETWOOD SEDAN	FLEETWOOD	10025]
6DW69+B9Q	FUNERAL COACH/HEARSE	FUNERAL COACH/HEARSE	10035
6EL57	ELDORADO	ELDORADO	10020
6ET57	ELDORADO TOURING COUPE		10020
6KS69	SEVILLE	SEVILLE	10005
6KY69	SEVILLE TOURING SEDAN		10005
6KD69	SEDAN DEVILLE	DEVILLE/CONCOURS	10010
6KF69	CONCOURS		10010

ISSUED: 12-18-92 REVISED: ML-RP318
(ML-RP071)

08.13.03.00-6
(1994)

(1994)

A-6-629

CHEVROLET LIGHT DUTY VEHICLE MODEL IDENTIFICATION

<u>MODEL</u>	<u>NAME</u>	<u>CAR LINE</u>	<u>CODE</u>
1BL19	CAPRICE CLASSIC SEDAN	CAPRICE	12040
1BN19	CAPRICE CLASSIC LS SEDAN		12040
1BB90	COACHBUILDER WAGON	COACHBUILDER WAGON	55010
1BL35	CAPRICE CLASSIC STATION WAGON	CAPRICE WAGON	12045
1FP87	CAMARO COUPE	CAMARO	12025
1FP67	CAMARO CONVERTIBLE		12025
1JC37	CAVALIER RS COUPE	CAVALIER	12060
1JC69	CAVALIER RS SEDAN		12060
1JF37	CAVALIER Z24 COUPE		12060
1JC67	CAVALIER RS CONVERTIBLE		12060
1JF67	CAVALIER Z24 CONVERTIBLE		12060
1JC35	CAVALIER STATION WAGON		CAVALIER WAGON
1LD69	CORSICA SEDAN	CORSICA	12010
1LV37	BERETTA COUPE	BERETTA	12020
1LW37	BERETTA Z26 COUPE		12020
1WL27	LUMINA COUPE	LUMINA	12050
1WL69	LUMINA SEDAN		12050
1WN27	LUMINA EURO COUPE		12050
1WN69	LUMINA EURO SEDAN		12050
1WP27	LUMINA Z34 COUPE		12050
1YY07	CORVETTE HATCHBACK COUPE	CORVETTE	12055
1YY67	CORVETTE CONVERTIBLE		12055

ISSUED: 12-18-92 (ML-RP071) REVISED: ML-RP318

08.13.03.00-2 (1994)

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: R1G5.7V8G0EA

PASSENGER CARS X

LIGHT DUTY TRUCKS

MEDIUM DUTY VEHICLES

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V8

LITER (CID): 5.7 (350)

EVAP FAMILY: R1G1058AYPOB

ENGINE: FRONT X MID REAR

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

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/2TWC/2H02S/SFI/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.
11	4BN69 4BT69 6DW69 1BL35 4BR35	A4	4500 4750	16192571	17092172	25146037 25146038
11B				16200271		
11D				16202461		
13	1BL19 1BN19 1BB90 4BB90+B9Q 4BB90 1BL35 4BR35 4BN69 4BT69 6DW69		4500 4750 4500 4750	16192591		
13B				16200281		
13D				16202471		

ISSUED: 06-09-93
(ML-RP359)

REVISED: ML-RR046, RR071, RR078, RR099

17-R1G5.7V8G0EA-2
(1994)

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: R1G5.7V8G0EA

PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES

FUEL TYPE: GAS STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V8 LITER (CID): 5.7 (350) EVAP FAMILY: R1G1058AYP0B

ENGINE: FRONT X MID REAR DRIVE: FWD RWD X 4WD-FT 4WD-PT

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/2TWC/2H02S/SFI/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.
14	1BL19 1BN19 4BN69 4BT69 1BL35 4BR35 6DW69	A4	4500 4750	16192581	17092172	25146037, 25146038
14B				16200291		
14D				16200301 *1 16202481 *2		
11A	4BN69 4BT69 6DW69 1BL35 4BR35		4500 4750	16192571		25146483, 25146484, 25152589, 25152386
11C				16200271		
11E				16202461		

ISSUED: 11-10-93
(ML-RR099)

REVISED:

17-R1G5.7V8G0EA-2.1
(1994)

17-57V8G

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R1G5.7V8G0EA
 PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES
 FUEL TYPE: GAS STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA
 ENGINE CONFIG: V8 LITER (CID): 5.7 (350) EVAP FAMILY: R1G1058AYP0B
 ENGINE: FRONT X MID REAR DRIVE: FWD RWD X 4WD-FT 4WD-PT
 EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/2TWC/2H02S/SFI/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.
11F	4BN69 4BT69 6DW69 1BL35 4BR35	A4	4500 4750	16207191	17092172	25146037, 25146038
11G						25146483, 25146484, 25152589, 25152386
13F	1BL19 1BN19 1BB90 4BB90+B9Q 4BB90 1BL35 4BR35 4BN69 4BT69 6DW69		4500 4750 4500 4750	16207201		

13G

ISSUED: 02-15-94
(ML-RR125)

REVISED:

17-R1G5.7V8G0EA-2.2
(1994)

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: R1G5.7V8G0EA

PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES

FUEL TYPE: GAS STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V8 LITER (CID): 5.7 (350) EVAP FAMILY: R1G1058AYPOB

ENGINE: FRONT X MID REAR DRIVE: FWD RWD X 4WD-FT 4WD-PT

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/2TWC/2H02S/SFI/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.
13A	1BL19	A4	4500	16192591	17092172	25146483, 25146484, 25152589, 25152386
	1BN19					
	1BB90		4750			
	4BB90+B9Q					
	4BB90					
	1BL35		4500			
	4BR35					
	4BN69					
4BT69						
6DW69	4750					
13C				16200281		
13E				16202471		
14A	1BL19		4500	16192581		
	1BN19					
	4BN69					
	4BT69					
	1BL35		4750			
4BR35						
6DW69						
14C				16200291		
14E				16200301 *1		
				16202481 *2		

*1 3.42 Axle
*2 2.93 Axle

ISSUED: 06-09-93
(ML-RP359)

REVISED: ML-RR046, RR071, RR078, RR099

17-R1G5.7V8G0EA-3
(1994)

17-57V8G

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: R1G5.7V8G0EA

PASSENGER CARS X

LIGHT DUTY TRUCKS

MEDIUM DUTY VEHICLES

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V8

LITER (CID): 5.7 (350)

EVAP FAMILY: R1G1058AYPOB

ENGINE: FRONT X MID REAR

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

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/2TWC/2H02S/SFI/KS

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE:		EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.	
		A-AUTO	M-MAN					
14F	1BL19	A4		4500	16207131** 16207211**	17092172	25146037. 25146038	
	1BN19							
	4BN69							
	4BT69			4750				
	1BL35							
	4BR35							
6DW69								
14G							25146483. 25146484. 25152589. 25152386	
15B	1BL19			4500	16207151 *1 16207161 *2 26207221 *3	17092172	25146875. 25146876	
	1BN19							
15C							25146483. 25146484. 25152589. 25152386	

** w/2.93 axle

** w/3.42 axle

*1 Speed limited @ 147 mph

*2 Speed limited @ 130 mph

*3 Speed limited @ 154 mph

ISSUED: 02-14-94
(ML-RR125)

REVISED:

17-R1G5.7V8G0EA-3.2
(1994)

17-57V8G