State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-620
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: R1G3.1V8GFEA Displacement: 3.1 Liters (191 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Heated Oxygen Sensor
Three Way Catalytic Converter
Exhaust Gas Recirculation
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:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.25 1.32	3.4 5.2	0.4
100,000	0.31	4.2	n/a

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

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.15	1.7	0.3
100,000	0.16	2.2	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 23rd day of June, 1993.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

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16.03.00.00

EXECUTIVE ORDER INFORMATION

ENGINE FAMILY R1G3.1V8GFEA

EVAPORATIVE FAMILY R1G1058AYM0A

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
LUMINA	12050
GRAND PRIX	33055
CUTLASS SUPREME	29055
REGL	08022
BERETTA	12020
CORSICA	12010
GRAND AM	33025
ACHIEVA	29010
CUTLASS CIERA	29015
CUTLASS CRUISER	29020
SKYLARK	08055
CENTURY	08020
CENTURY WAGON	08025

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BUICK MODEL IDENTIFICATION

MODEL	NAME	CAR LINE	CODE
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

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CHEVROLET LIGHT DUTY VEHICLE MODEL IDENTIFICATION

MODEL	NAME	CAR LINE	CODE
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	12065
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

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OLDSMOBILE MODEL IDENTIFICATION

MODEL	NAME	CAR LINE	CODE
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

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PONTIAC MODEL IDENTIFICATION

MODEL	NAME	CAR LINE	CODE
2FS87	FIREBIRD COUPE	FIREBIRD/FORMULA	33020
2FV87	FIREBIRD FORMULA		33020
2FS67	FIREBIRD CONVERTIBLE		33020
2FV67	FIREBIRD FORMULA CONVERTIBLE		33020
2HX69	BONNEVILLE SE SEDAN	BONNEVILLE	33045
2HY69	BONNEVILLE SSEI SEDAN		33045
2HZ69	BONNEVILLE SSE SEDAN		33045
2JB37	SUNBIRD LE COUPE	SUNBIRD	33060
2JB69	SUNBIRD LE SEDAN		33060
2JL37	SUNBIRD SE COUPE		33060
2JB67	SUNBIRD LE CONVERTIBLE		33060
2NE37	GRAND AM SE COUPE	GRAND AM	33025
2NE69	GRAND AM SE SEDAN		33025
2NW37	GRAND AM GT COUPE		33025
2NW69	GRAND AM GT SEDAN		33025
2WJ19	GRAND PRIX SE SEDAN	GRAND PRIX	33055
2WJ37	GRAND PRIX SE COUPE		33055
2WM19	GRAND PRIX SEDAN		33055
2WM37	GRAND PRIX COUPE		33055

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E.O. #A-6-620

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R1G3.1V8GFEA

PASSENGER CARS_X_ LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: R1G1058AYM0A

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD_X_ RWD___ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: SFI, EGR, TWC, KS, HO2S

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.
1	1WL27	A	3625	16183461,	17090077,	25144057,
	1WW27			16189381,	17091144,	25144086,
	1WL69			16161521,	17091147	10192654,
	1WN69			16196951		25145087,
	2WJ37					25131821,
	2WP37					25130428
	2WH19					
	3WH47					
	3WR47					
	3WH69					
	4WB57					
	4WD57					
	4WB19					
	4WD19					
	2WJ19		3750			
	3WR69					
	2WT19		3875			
	3WT67		4000			
1A				16203341		
1B				16208574		

ISSUED: 04-27-93 (ML-RP274) REVISED: ML-RR039, RR105, RR146

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E.O. #A-6-620

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R1G3.1V8GFEA

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: R1G1058AYM0A

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: SFI, EGR, TWC, KS, HO2S

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.
2	1WL27	A	3625	16161501,	17090077,	25144057,
	1WW27			16161511,	17091144,	25144086,
	1WL69			16196941	17091147	10192654,
	1WN69					25145087,
	2WJ37					25131821,
	2WP37					25130428
	2WH19					
	3WH47					
	3WR47					
	3WH69					
	4WB57					
	4WD57					
	4WB19					
	4WD19					
	2WJ19		3750			
	3WR69					
	2WT19		3875			

ISSUED: 04-27-93 (ML-RP274) REVISED: ML-RR039

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1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R1G3.1V8GFEA

PASSENGER CARS_X_ LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: R1G1058AYM0A

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD_X_ RWD___ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: SFI, EGR, TWC, KS, H02S

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.
4	1LD69 1LV37 1LW37 2NE37 2NW37 3NF37 3NL37 4NJ37 4NV37 4NM37	A	3250	16189361, 16189371, 16191243, 16196961	17090077, 17091144, 17091147	25144887, 25131240, 25144670, 10219956, 25144396
	2NE69 2NW69 3NF69 3NL69 4NJ69 4NM69 4NV69		3375			
4A				16202511 16202521		
4C				16206234 16203321		
4D				16208594 16208584		

ISSUED: 04-27-93 (ML-RP274) REVISED: ML-RR039, RR056, RR089, RP417, RR105, RR118, RR120, RR146

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E.O. #A-6-620

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R1G3.1V8GFEA

PASSENGER CARS_X_ LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: R1G1058AYM0A

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD_X_ RWD___ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: SFI, EGR, TWC, KS, H02S

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.
5	1LD69 1LV37 1LW37	A	3250	16203301	17090077, 17091144, 17091147	25144887, 25131240, 25144670, 10219956, 25144396
60	3AJ69 3AM69 3AG69 4AG69 4AH37 4AH69 4AL69		3375	16180934, 16179334		
	3AJ35 3AM35 4AL35 4AG35 4AH35		3500			
60A				16199404		
60B				16211624		

ISSUED: 04-27-93 (ML-RP274) REVISED: ML-RR039, RR056, RR085, RP417, RR120, RR146

17-R1G3.1V8GFEA-5 (1994)

17-31V8G