State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-618
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: R1G2.3VHG1EA Displacement: 2.3 Liters (139 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
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:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.15	2.6	0.2
100,000	0.15	2.6	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 8th day of July, 1993.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

E.O. #A-6-618

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R1G2.3VHG1EA

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

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

ENGINE CONFIG: I4 LITER (CID): 2.3 (139) EVAP FAMILY: R1G1046AYM0Q

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

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: 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.
30,30A	2NE37	A4	3250	16182933	NA	25143634
	2NW37					
	3NF37 *1					
	3NL37					
	2NE69 *1					
	3NL69					
	3NF69		3375			
	2NW69					
40,40A, 40B	2NW37		3250	16192903		25143637
	2NW69					
	3NF37					
	3NF69		3375			

*1 GM elects to test at next higher ETW.

ISSUED: 07-12-93 (ML-RR051) REVISED: ML-RR058

(FOR CARB USE ONLY)

E.O. #A-6-618

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R1G2.3VHG1EA

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

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

ENGINE CONFIG: I4 LITER (CID): 2.3 (139) EVAP FAMILY: R1G1046AYM0Q

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

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: 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.
50,50A	2NW37 2NW69	M5	3250	16182983	NA	25143637
60,60A	3NF37 3NF69		3375	16182963		
70	1LW37		3250	16183003, 16192923		
70A,70B				16192923		
80,80B	3NL37			16187103		
90,90B	3NL37			16187113		

ISSUED: 06-21-93 (ML-RP381) REVISED: ML-RR051, RR058, RP405

(FOR CARB USE ONLY)

A-6-618

16.03.00.00

EXECUTIVE ORDER INFORMATION

ENGINE FAMILY R1G2.3VHG1EA

EVAPORATIVE FAMILY R1G1046AYM0Q

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
BERETTA	12020
ACHIEVA	29010
GRAND AM	33025

ISSUED: 06-21-93 (ML-RP381)

REVISED:

A-6-618

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

A-6-618

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

A-6-618

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