State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-588
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 1993 model General Motors Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: P4G1.9W8JPD9 Displacement: 1.9 Liters (116 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter
Exhaust Gas Recirculation
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	0.39	7.0	0.4

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

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.25	2.0	0.1

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the 50,000-mile non-methane hydrocarbons and carbon monoxide standards based on its projected total sales of 1993 model California-certified passenger cars and light-duty trucks.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model year.

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" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) 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 regulations (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 30th day of April, 1992.

Norman Kaye for
R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

E.O. #A-6-588

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

VEHICLE MODELS: 1 J C 3 7 (EXAMPLE)

Digit 1 - Selling Division

1 - Chevrolet
2 - Pontiac
3 - Oldsmobile
4 - Buick
6 - Cadillac
8 - Saturn

Digit 2 - Body Designation

A - 6000, Cutlass Ciera, Cutlass Cruiser, Century
B - Caprice, Custom Cruiser, Roadmaster Wagon, Coachbuilder Wagon, Roadmaster
C - Ninety-Eight, Touring, Park Avenue, DeVille, Fleetwood, Commercial Chassis
D - Brougham
E - Toronado, Riviera, Eldorado, Trofeo
F - Camaro, Firebird, Trans Am
H - Bonneville, Eighty-Eight, LeSabre
J - Cavalier, Sunbird
K - Seville
L - Corsica, Beretta
N - Grand Am, Achieva, Skylark
T - Lemans
V - Allante
W - Grand Prix, Regal, Cutlass Supreme, Lumina
Y - Corvette
Z - Saturn Coupe/Sedan

Digit 3 - Trim Level

B, C, D, E, F, G, H, J, K, M, N, L, P, R, S, T, U, V, W, X, Y, Z

Digits 4 & 5 - Body Style

07 - 2Dr Sport Coupe
08 - 2Dr Hatchback Coupe
19 - 4Dr Sedan
27 - 2Dr (Notchback Coupe)
35 - 4Dr Station Wagon
37 - 2Dr Hardtop Coupe
47 - 2Dr Hardtop Coupe
57 - 2Dr Hardtop Coupe
67 - 2Dr Convertible Coupe
68 - 4Dr Hatchback Sedan
69 - 4Dr (Notchback) Sedan
87 - 2Dr Hatchback Coupe
90 - Commericial Chassis
97 - 2Dr Hardtop Coupe

ISSUED: 02-24-92
(ML-PP198)

REVISED:

17-P4G1.9W8JPD9-1
(1993)

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E.O. #A-6-588

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P4G1.9W8JPD9

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS

ENGINE CONFIG: I4 LITER (CID): 1.9 (116) EVAP FAMILY: PAO-4B

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

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

CERT STANDARDS: NMHC/CO/NOx: 0.39/7.0/0.4 (50K)

DPA & RLHP: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1	8ZH27 8ZK69 8ZK35	A4	2750	21021255/ECM 8516, TCM 8508	21006493	25143452 (MS 9307)
2	8ZH27 8ZK69 8ZK35		2875			
3	8ZG27 8ZJ69 8ZJ35	M5	2750	21021253/8512		
4	8ZG27 8ZJ69 8ZJ35					

ISSUED: 02-24-92 (ML-PP198) REVISED: ML-PR033

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E.O. #A-6-588

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P4G1.9W8JPD9

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS

ENGINE CONFIG: I4 LITER (CID): 1.9 (116) EVAP FAMILY: PAO-4B

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

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

CERT STANDARDS: NMHC/CO/NOx: 0.39/7.0/0.4 (50K)

DPA & RLHP: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1A	8ZH27 8ZK69 8ZK35 8ZM69	A4	2750	21022091/ECM 1232, TCM 1230	21006493	25143452 (MS 9307)
2A	8ZH27 8ZK69 8ZK35 8ZM69		2875			
3A	8ZG27 8ZJ69 8ZJ35 8ZL69	M5	2750	21022089/1472		
4A	8ZG27 8ZJ69 8ZJ35 8ZL69					

ISSUED: 06-10-92 (ML-PR020) REVISED: ML-PR033, PR080

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E.O. #A-6-588

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P4G1.9W8JPD9

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS

ENGINE CONFIG: I4 LITER (CID): 1.9 (116) EVAP FAMILY: PAO-4B

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

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

CERT STANDARDS: NMHC/CO/NOx: 0.39/7.0/0.4 (50K)

DPA & RLHP: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1B	8ZH27 8ZK69 8ZK35 8ZM69	A4	2750	21022247/ECM 3983, TCM 3297	21006493	25143452 (MS 9307)
2B	8ZH27 8ZK69 8ZK35 8ZM69		2875			
3B	8ZG27 8ZJ69 8ZJ35 8ZL69	M5	2750	21022245/3325		
4B	8ZG27 8ZJ69 8ZJ35 8ZL69					

ISSUED: 06-22-92 (ML-PR033) REVISED: ML-PR080

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E.O. #A-6-523

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P4G1.9W8JPD9

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS

ENGINE CONFIG: I4 LITER (CID): 1.9 (116) EVAP FAMILY: PA0-4B

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

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

CERT STANDARDS: NMHC/CO/NOx: 0.39/7.0/0.4 (50K)

DPA & RLHP: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1C	8ZH27 8ZK69 8ZK35 8ZM69	A4	2750	21022380/ECM 3983, TCM 8201	21006493	25143452 (MS 9307)
2C	8ZH27 8ZK69 8ZK35 8ZM69		2875			

ISSUED: 09-24-92 REVISED:
(ML-PR092)