State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-466
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 1990 model-year General Motors Corporation emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: L1G2.2W5JFG7 Displacement: 2.2 Liters (134 Inches^3)

Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation
Oxygen Sensor
Three-Way Catalyst
Throttle Body Electronic Fuel Injection
On-Board Diagnostics (Exempted)

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

The following are the emission standards for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.39	7.0	0.4

The following are the certification emission values for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.21	3.0	0.2

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "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 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 have been granted an exemption from compliance with the requirements of 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 provisions (Health and Safety Code Section 43205).

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 1st day of March, 1989.

K. D. Drachand, Chief
Mobile Source Division

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SUPPLEMENTAL DATA AND CERTIFICATION REVIEW SHEETS

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NOTES:

(1) Please refer to manufacturer's HP lists (Attachment I) for correct dyno test HP settings based on model and equipment.

(2) If two test weights are listed, the lower weight will be used for testing.

(3) Letter derivative codes are the same as corresponding numeric codes except as indicated.

ISSUED: 01-12-89 REV. NO.:

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E.O. # A-6-466

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

VEHICLE MODELS: 1 J C 3 7 (EXAMPLE)

Digit 1 Selling Division	Digit 2 - Body Designation
1-Chevrolet	A-Celebrity, 6000, Cutlass Ciera, Cutlass Cruiser, Century
2-Pontiac	B-Caprice, Safari Wagon, Custom Cruiser, LeSabre/Electra Wagon, Coachbuilder Wagon
3-Oldsmobile	C-Ninety-Eight, Touring, Electra, DeVille, Fleetwood, Commercial Chassis
4-Buick	D-Brougham
6-Cadillac	E-Toronado, Riviera, Eldorado, Reatta
	F-Camaro, Firebird, Trans Am
	H-Bonneville, Eighty-Eight, LeSabre
	J-Cavalier, Sunbird, Skyhawk
	K-Seville
	L-Corsica, Beretta
	N-Grand Am, Cutlass Calais, Skylark
	T-Lemans
	V-Allante
	W-Grand Prix, Regal, Cutlass Supreme, Lumina
	Y-Corvette
	Z-Commercial Chassis

Digit 3 Trim Level	Digits 4 & 5 - Body Style	
B, C, D, E, F,	07-2Dr Sport Coupe	57-Dr Hardtop Coupe
H, J, K, M, N,	08-2Dr Hatchback Coupe	67-2Dr Convertible Coupe
L, P, R, S, T,	19-4Dr Sedan	68-4Dr Hatchback Sedan
U, V, W, X, Y, Z	27-2Dr (Notchback) Coupe	69-4Dr (Notchback) Sedan
	35-4Dr Station Wagon	87-2Dr Hatchback Coupe
	37-2Dr Hardtop Coupe	90-Commercial Chassis
	47-2Dr Hardtop Coupe	97-2Dr Hardtop Coupe

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E.O. # A-6-466

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: L1G2.2W5JFG7

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ GAS X DIESEL___

ENGINE TYPE: L4 (RPO: LM3) LITER (CID): 2.2 (134) EVAP FAMILY: LAO-1G

EMISSION CONTROL SYSTEM: EGR-TWC-O2S (TBI)

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

CERTIFICATION STANDARDS: 0.4 NOx DPA: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1A)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECU/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
51	4JS27 1JC37 1JC69 1JC35 4JS69 4JS35	M5	2750 2875	16120491/ AMXB, 16144741/ ATLC	17090076	25127553
51A				16147621/ ATXD		
52	1JC37 1JC69 4JS27 4JS69 4JS35 1JC35		2750 2875	16120491/ AMXB, 16144741/ ATLC		
52A				16147621/ ATXD		

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E.O. # A-6-466

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: L1G2.2W5JFG7

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ GAS X DIESEL___

ENGINE TYPE: L4 (RPO: LM3) LITER (CID): 2.2 (134) EVAP FAMILY: LAO-1G

EMISSION CONTROL SYSTEM: EGR-TWC-O2S (TBI)

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

CERTIFICATION STANDARDS: 0.4 NOx DPA: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1A)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECU/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
53	1LT69 1LT68 1LV37	M5	3000	16120531/ AMXH, 16144781/ ATLJ	17090076	25103078
53A				16147411/ ATWT		
54	1LT69 1LT68 1LV37			16120531/ AMXH, 16144781/ ATLJ		
54A				16147411/ ATWT		

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(FOR CARB USE ONLY)

E.O. # A-6-466

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: L1G2.2W5JFG7

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ GAS X DIESEL___

ENGINE TYPE: L4 (RPO: LM3) LITER (CID): 2.2 (134) EVAP FAMILY: LAO-1G

EMISSION CONTROL SYSTEM: EGR-TWC-O2S (TBI)

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

CERTIFICATION STANDARDS: 0.4 NOx DPA: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1A)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECU/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
61	1JC35 4JS35 1JC37 1JC69 4JS69 4JS27	A3	3000 2875 2750	16120471/ AMWZ, 16144721/ ATLA, 16150591 / AUJS	17090076	25127553
62	1JC35 4JS35 1JC37 4JS27 1JC69 4JS69		3000 2750 2875			
63	1LT69 1LT68 1LV37		3000 3125 3000	16120511/ AMXD, 16144761/ ATLF, 16150611 AUJU		25103078
64	1LT69 1LT68 1LV37					

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