State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-499
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 1991 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: M1G5.7V5XEA1 Displacement: 5.0 Liters (305 Cu. In.)

Exhaust Emission Control Systems (Special Features):

Three-Way Catalyst
Oxygen Sensor
Secondary Air Injection
Exhaust Gas Recirculation
Throttle Body Electronic Fuel Injection
On-Board Diagnostics

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)
0.20	2.7	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 also comply 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 (California 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 29th day of September, 1989.

K. D. Drachand, Chief
Mobile Source Division

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16.03.00.00

EXECUTIVE ORDER INFORMATION

ENGINE FAMILY..... M1G5.7V5XEA1

EVAPORATIVE FAMILY..... MBO-1P

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
LESABRE/ELECTRA WAGON	08035
CAPRICE	12040
CAPRICE WAGON	12045
CUSTOM CRUISER WAGON	29030
COACHBUILDER WAGON	78010

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E.O. # A-6-499

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

ISSUED: 07-10-89 REV. NO.:

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E.O. # A-6-499

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: M1G5.7V5XEA1

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

ENGINE TYPE: V8 LITER (CID): 5.0 (305) EVAP FAMILY: MBO-1P

EMISSION CONTROL SYSTEM: AIR-EGR-TWC-02S (TBI)

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD___ RWD X 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.
51,51A	1BL19 1BN19	A4	4250	16139531/ ASFA	17090156	25128067
51B				16155001/ AWFF		
51C				16159961/ AXCZ		
51D				16165951/ AYMK		
56	1BL35 3BP35 4BB90 4BR35		4750	16139561/ ASFD		
57	1BL35 3BP35 4BB90 4BR35			16159921/ AXCU		
57A				16165941/ AYMJ		

ISSUED: 07-10-89 REV. NO.: 003, 004, 005

TEST HORSEPOWER VALUES

Body Style	Test Weight Classes	50mph Road Load Hp	without AC Dyno Hp	without AC Coast Down Time	with AC Dyno Hp	with AC Coast Down Time	CD, CA or FA
***** A BODY (FWD & AWD) (continued) *****							
CHEVROLET CELEBRITY WAGON (1AW35) without RPO C51 (rear air deflector)							
PONTIAC 6000 WAGON (2A_35) without RPO C51 (rear air deflector)							
OLDSMOBILE CUTLASS CRUISER (3A_35) without RPO C51 (rear air deflector)							
BUICK CENTURY WAGON (4A_35) without RPO C51 (rear air deflector)							
man. trans & P195/70R14 ALS	3375-3500	11.82	6.7	18.28	7.4	17.29	CA
man. trans & P195/70R14 ALS	0-3250	11.56	6.7	17.38	7.4	16.42	CA
auto trans & P195/70R14 AL3	3375-3500	13.26	5.6	16.29	6.1	15.63	CA
auto trans & P195/70R14 AL3	0-3250	12.95	5.6	15.51	6.1	14.87	CA
man. trans & P195/70R14 AL3	3375-3500	12.76	5.6	16.93	6.1	16.21	CA
man. trans & P195/70R14 AL3	0-3250	12.45	5.6	16.14	6.1	15.45	CA
auto trans & P215/60R14 AL3	3375-3500	13.26	5.6	16.29	6.1	15.63	CA
auto trans & P215/60R14 AL3	0-3250	12.95	5.6	15.51	6.1	14.87	CA
man. trans & P215/60R14 AL3	3375-3500	12.76	5.6	16.93	6.1	16.21	CA
man. trans & P215/60R14 AL3	0-3250	12.45	5.6	16.14	6.1	15.45	CA
auto trans & P195/70R15 AL3	3375-3500	13.27	6.1	16.28	6.8	15.56	CA
auto trans & P195/70R15 AL3	0-3250	12.96	6.1	15.51	6.8	14.81	CA
man. trans & P195/70R15 AL3	3375-3500	12.77	6.1	16.92	6.8	16.14	CA
man. trans & P195/70R15 AL3	0-3250	12.46	6.1	16.13	6.8	15.38	CA
***** B BODY (RWD) *****							
CHEVROLET CAPRICE (1B_69) without SEO 9C1 (police package)							
w/(P205, P215 or P225)/75R15s	0-4250	13.59	8.8	19.29	9.7	18.10	CD
w/o police pkg & w/P225/70R15s	0-4250	15.38	8.9	16.99	9.8	16.03	CA
CHEVROLET CAPRICE (1B_69) with SEO 9C1 (police package)							
w/GDY (SEO R4Y) & P225/70HR15 HWY	0-4250	15.97	8.8	16.42	9.7	15.23	CA
w/GDY (SEO R4Y) & P225/70HR15 AL3	0-4250	14.86	7.3	17.64	8.0	16.85	CA
w/GEN (SEO R4Z) & P225/70HR15 AL3	0-4250	16.03	9.2	16.31	10.1	15.42	CA
CHEVROLET CAPRICE WAGON (1B_35) without SEO 9C1 (police package)							
PONTIAC SAFARI WAGON (2B_35) without SEO 9C1 (police package)							
w/P225/75R15 ALS	0-4500	14.13	8.7	19.73	9.6	18.58	CD

Case No.'s: R6BW1003
D6BW1003

Letter No. ML-MA006
Vehicle No. 4B368

GENERAL MOTORS ALTERNATE HORSEPOWER APPLICATION

The test vehicle used to determine an alternate dynamometer power absorber unit setting is described on the opposite page and is representative of General Motors' design intent of the following 1991 model year vehicles:

Carline (model):

CHEVROLET CAPRICE WAGON (1BN35) with SEO 9C1 (Police Package)
PONTIAC SAFARI WAGON (2BL35) with SEO 9C1 (Police Package)

Requested Coverage	Test Weight Classes	50 mph Roadload Hp	without AC Actual Dyno Hp	without AC Coast Down Time	with AC Actual Dyno Hp	with AC Coast Down Time
w/GDY (SEO R4Y) P225/70HR15 AL3	4750 Only	16.07	8.0	18.19	8.8	17.33
w/GEN (SEO R4Z) P225/70HR15 AL3	0-4750	17.52	8.6	16.69	9.5	15.91

Carline (model):

CHEVROLET CAPRICE WAGON (1BN35) without SEO 9C1 (Police Package)
PONTIAC SAFARI WAGON (2BL35) without SEO 9C1 (Police Package)

w/P225/75R15 ALS	4750 Only	14.50	8.9	20.17	9.8	19.00

GM Representative Roger V. Leonard Date 19 July 89