State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-581-B
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: P1G4.9W8XTAX Displacement: 4.9 Liters (297 Cu. In.)

Exhaust Emission Control Systems and Special Features:

Three-Way Catalyst
Oxygen Sensor
Exhaust Gas Recirculation
Sequential Multipoint Electronic 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:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
0.39	7.0	0.7

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

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
0.16	2.3	0.4

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Code of Regulations which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard based on its latest total projected sales of 1992 model California-certified passenger cars and limited by its total actual sales of 1992 model California-certified passenger cars.

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 "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 (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 27th day of November, 1991.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

E.O. #A-6-581-B

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: 09-30-91 (ML-PP051)
REVISED: ML-PP058

17-P1G4.9W8XTAX-4
(1993)

(FOR CARB USE ONLY)

E.O. #A-6-581-B

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G4.9W8XTAX

PASSENGER CARS_X_ LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS

ENGINE CONFIG: V8 LITER (CID): 4.9 (297) RPM EVAP FAMILY: PBO-1U

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-O2S-SMPI

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

CERTIFICATION STANDARDS: 0.7 NOx 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.	TLC*
2	6CB69(1)	A4	4000	16164826/AYFU	17091120	25130601, 25145556	MDL
2A, 2B				16177506/BAZY			
2C				16172306/AZXK			
4	6EL57 6KY69			16164766/AYFM	17091121	25131658, 25145552	
4A				16177416/BAZM			
5	6CT69			16164856/AYFY	17091120	25130601, 25145556	
5A				16177466/BAZT			
5B				16172336/AZXN			

* Tune-up label codes are found in the upper left hand corner of the tune-up label. Vehicles with "MDL" on the label conform to 0.39 g/mi NMHC, 7.0 g/mi CO and 0.7 g/mi NOx.

(1) Model 6CG69 replaced by 6CB69 - RC P1-017. Under the authority of ACR, GM has elected to test model 6CB69 equipped with RPO option code Y45 at the next higher ETW (4250 lbs ETW) to demonstrate emission compliance.

ISSUED: 09-30-91 (ML-PP051) REVISED: ML-PR007, PP273, PR016, PR023, PR047, PR116, PP465

ATTACHMENT I

D Y N A M O M E T E R H O R S E P O W E R S A N D T I M E S

PASSENGER CARS

Body Style	Test Weight Classes	50mph Road Load Hp	.w/o AC Factor.. .....Coast..... Dyno Hp	Down Time	Upper Limit	.with AC Factor. .....Coast..... Dyno Hp	Down Time	Upper Limit	.....Highest Volume Tire..... .....(NOT OFFICIAL)..... Drive Axle Tire Size	Belt Fabric	Mfg	TPC No.
C BODY (FWD)												
CADILLAC COUPE DEVILLE (6CD47) & SEDAN DEVILLE (6CD69)												Carline Codes: 10010
CADILLAC FLEETWOOD COUPE (6CB47) & FLEETWOOD SEDAN (6CB69)												10010
CADILLAC FLEETWOOD SIXTY SPECIAL (6CG69)												10010
auto trans & MIC P205/70R15 ALS	4250 Only	13.67	6.4	19.10	20.43	7.0	18.25	19.52	P205/70R15 ALS	STEEL	MIC	1072MS
auto trans & MIC P205/70R15 ALS	4000 Only	13.41	6.3	18.34	19.62	6.9	17.52	18.74	P205/70R15 ALS	STEEL	MIC	1072MS
auto trans & MIC P205/70R15 ALS	0-3875	13.31	6.3	17.91	19.16	6.9	17.10	18.29	P205/70R15 ALS	STEEL	MIC	1072MS
LOWER TWC	3750		6.3	17.33	18.54	6.9	16.55	17.70				
CADILLAC DEVILLE TOURING SEDAN (6CT69)												Carline Codes: 10010
auto trans & GDY P215/60R16 AL2	0-4000	14.79	6.7	16.62	17.78	7.4	15.91	17.02	P215/60R16 AL2	STEEL	GDY	1088MS
E BODY (FWD)												
CADILLAC ELDORADO (6EL57)												Carline Codes: 10020
A4 tran & MIC P225/60R16 97S AL2	0-4000	13.68	6.0	18.08	19.34	6.6	17.32	18.53	P225/60R16 AL2	STEEL	MIC	1089MS
LOWER TWC	3875		6.0	17.51	18.74	6.6	16.78	17.95				
A4 tran & GDY P225/60R16 97H AL3	0-4000	14.69	6.2	16.76	17.93	6.8	16.09	17.21	P225/60R16. AL3	ST/NYL	GDY	1095MS
LOWER TWC	3875		6.2	16.24	17.37	6.8	15.59	16.67				
K BODY (FWD)												
CADILLAC SEVILLE SEDAN (6KS69)												Carline Codes: 10005
A4 tran & MIC P225/60R16 97S AL2	0-4000	13.68	6.0	18.08	19.34	6.6	17.32	18.53	P225/60R16 AL2	STEEL	MIC	1089MS
LOWER TWC	3875		6.0	17.51	18.74	6.6	16.78	17.95				
CADILLAC SEVILLE TOURING SEDAN (6KV69)												Carline Codes: 10005
A4 tran & GDY P225/60R16 97H AL3	0-4000	14.69	6.2	16.76	17.93	6.8	16.09	17.21	P225/60R16. AL3	ST/NYL	GDY	1095MS
LOWER TWC	3875		6.2	16.24	17.37	6.8	15.59	16.67				