State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER P-6-31
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 federally-certified exhaust emission control systems are certified for sale in California as described below for gasoline-powered passenger cars:

Engine Family: L1G5.7V8GAN8 Displacement: 5.7 Liters (350 Cu.In.)

Exhaust Emission Control Systems:

Three-Way Catalyst
Oxygen Sensor
Secondary Air Injection
Sequential Multipoint 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)
0.41	3.4	1.0

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)
0.31	2.3	0.7

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 "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided evidence of federal certification of vehicle models listed in the attachments which are not available as California-certified models.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate that the vehicle manufacturer has sufficient emissions credits for its estimated California sales of federally-certified 1990 model-year vehicles using the "Guidelines for Certification of 1983 and Subsequent Model-Year Federally Certified Light-Duty Motor Vehicles For Sale in California" (Title 13, California Code of Regulations, Section 1960.5).

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 and 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 August, 1989.

K. D. Drachand, Chief
Mobile Source Division

CERTIFICATE INFORMATION

16.03.00.00

ENGINE FAMILY..... L1G5.7V8GAN8

EVAPORATIVE FAMILY..... LBOL-1B

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
CORVETTE	12055

(FOR CARB USE ONLY)

E.O. # P-6-31

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

Digit 2 - Body Designation

A-Celebrity, 6000, Cutlass Ciera, Cutlass Cruiser, Century
B-Caprice, Safari Wagon, Custom Cruiser, LeSabre/Electra Wagon, Coachbuilder Wagon
C-Ninety-Eight, Touring, Electra, DeVille, Fleetwood, Commercial Chassis
D-Brougham
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

B, C, D, E, F,
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-Dr Hardtop Coupe
67-2Dr Convertible Coupe
68-4Dr Hatchback Sedan
69-4Dr (Notchback) Sedan
87-2Dr Hatchback Coupe
90-Commercial Chassis
97-2Dr Hardtop Coupe

ISSUED: 06-19-89 REV. NO.:

(FOR CARB USE ONLY)

E.O. # P-6-31

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: L1G5.7V8GAN8

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

ENGINE TYPE: V8 (RPO: LT5) LITER (CID): 5.7 (350) EVAP FAMILY: LBOL-1B

EMISSION CONTROL SYSTEM: AIR-TWC-HO2S (SMPI)

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD___ RWD X 4WD-FT___ 4WD-PT___

CERTIFICATION STANDARDS: 1.0 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.
1	1YZ07	M6	3750	16125111/ ANHX	--	25127591* 25127592**
1A				16148441/ AUAA		

* Left exhaust
** Right exhaust

ISSUED: 06-19-89 REV. NO.: 001, 003

ATTACHMENT I

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
***** Y BODY (RWD) *****							
CHEVROLET CORVETTE (1YY07)							
auto trans & P275/40ZR17 HW4	3750 Only	12.54	6.0	18.53	6.6	17.76	CA
auto trans & P275/40ZR17 HW4	3625 Only	12.37	6.0	18.17	6.6	17.40	CA
man. trans & P275/40ZR17 HW4	3750 Only	12.54	5.9	18.53	6.5	17.76	CA
man. trans & P275/40ZR17 HW4	3625 Only	12.37	5.9	18.17	6.5	17.40	CA
w/P275/40ZR17 HW4	3500 Only	12.20	5.4	17.80	6.0	17.04	CA
w/P275/40ZR17 HW4	3375 Only	12.02	5.4	17.43	6.0	16.68	CA
CHEVROLET CORVETTE (1YY67) - CONVERTIBLE							
w/P275/40ZR17 HW4	3750 Only	13.09	6.1	17.75	6.7	17.26	CA
w/P275/40ZR17 HW4	3625 Only	12.88	6.1	17.45	6.7	16.67	CA
w/P275/40ZR17 HW4	3500 Only	12.73	6.1	17.06	6.7	16.28	CA
CHEVROLET CORVETTE (1~~Z~~Y07)							
(P275/40&P315/35)ZR17 front&rear	0-3750	13.01	6.2	17.86	6.7	17.14	CA
***** C TRUCK (2WD) *****							
CHEVROLET C1500 PICKUP (CC10703+E62,CC10703+E63,CC10753+E63, CC10903+E63,CC10953+E63) GMC C1500 SIERRA (TC10703+E62,TC10703+E63,TC10753+E63, TC10903+E63,TC10953+E63)							
All	5250 Only	17.48	13.0	18.55	14.3	17.28	CD
All	4750-5000	17.43	13.0	17.74	14.3	16.53	CD
w/(P195,P205 or P225)/75R15	0-4500	17.23	12.8	16.17	14.1	15.09	CD
w/P235/75R15	0-4500	17.30	12.8	16.11	14.1	15.08	CA
w/P275/60HR15 AL3	4750-5250	19.05	12.2	16.93	13.4	15.91	CD
w/P275/60HR15 AL3	0-4500	18.66	11.5	14.85	12.6	13.99	CD
CHEVROLET C2500 PICKUP (CC20753+E63,CC20903+E63,CC20953+E63) GMC C2500 SIERRA (TC20753+E63,TC20903+E63,TC20953+E63)							
All	5500 Only	20.41	14.0	16.70	15.4	15.59	CD
All	0-5250	19.11	13.6	17.06	15.0	15.94	CD