

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER P-6-28
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 emission control systems are certified for sale in California as described below for gasoline-powered passenger cars:

Engine Family: L1G2.0V9T4B3 - Displacement: 2.0 Liters (122 Inches³)

Equipped with the following exhaust emission control systems:

- Exhaust Gas Recirculation
- Oxygen Sensor
- Three-Way Catalyst
- Turbocharger
- Multipoint Electronic Fuel Injection

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

The following are the emission standards for this engine family:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.41	3.4	1.0

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

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.33	2.7	0.4

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 15th day of February, 1989.



K. D. Drachand, Chief
Mobile Source Division

(FOR CARB USE ONLY)

E.O. # P-6-28

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	57-Dr Hardtop Coupe
08-2Dr Hatchback Coupe	67-2Dr Convertible Coupe
19-4Dr Sedan	68-4Dr Hatchback Sedan
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: 01-05-89

REV. NO.:

17-L1G2.0V9T4B3-1A
(1990)

(FOR CARB USE ONLY)

E.O. # P-6-28

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: L1G2.0V9T4B3

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

ENGINE TYPE: I4 LITER (CID): 2.0 (122) EVAP FAMILY: LBO-1J

EMISSION CONTROL SYSTEM: EGR/TWC/O2S (MPI, TC)

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

CERTIFICATION STANDARDS: NOx*- 1.0 DPA: SEE ATTACHMENT I

<u>ENG CODE</u>	<u>VEH MODELS (SEE PAGE 1A)</u>	<u>TRANS TYPE: A-AUTO M-MAN</u>	<u>EQUIV TEST WEIGHT</u>	<u>IGN SYSTEM (ECU/PROM) PART NO.</u>	<u>EGR SYSTEM PART NO.</u>	<u>CATALYST PART NO.</u>
11	2JU67 2JU37	A3	3125 3000	16082091/ AKDA	17087206	25127551
12	2JU67 2JU37	M5	3125 3000	16082101/ AKDB		

ISSUED: 01-05-89

REV. NO.:

17-L1G2.0V9T4B3-2A
(1990)

Attachment 1

TEST HORSEPOWER VALUES

Body Style	Test Weight Classes	50mph Road Load Hp	without.AC Coast Dyno Hp	Time	with..AC. Coast Dyno Hp	Time	CD, CA or FA
***** J BODY (FWD) (continued) *****							
CHEVROLET CAVALIER (1J 35,1J 67,1J 69)							
PONTIAC SUNBIRD (2J 35,2J 67,2J 69)							
BUICK SKYHAWK WAGON/SKYHAWK (3J 35/3J 69)							
w/man. trans & P185/80R13 ALS	0-3125	10.70	6.4	17.94	7.0	16.98	CA
w/auto trans & P185/80R13 ALS	0-3125	11.20	6.4	17.14	7.0	16.29	CA
w/man. trans & P195/70R14 ALS	0-3125	10.80	6.4	17.77	7.0	16.82	CA
w/auto trans & P195/70R14 ALS	0-3125	11.30	6.4	17.00	7.0	16.16	CA
w/man. trans & P195/70R14 AL2	0-3125	11.06	6.0	17.36	6.6	16.47	CA
w/auto trans & P195/70R14 AL2	0-3125	11.56	6.0	16.61	6.6	15.79	CA
CHEVROLET CAVALIER (1J 35,1J 67,1J 69)							
PONTIAC SUNBIRD (2J 35,2J 67,2J 69)							
BUICK SKYHAWK WAGON/SKYHAWK (3J 35/3J 69)							
w/man. trans & P215/60R14 AL3	0-3125	11.90	5.4	16.17	5.9	15.48	CA
w/auto trans & P215/60R14 AL3	0-3125	12.40	5.4	15.52	5.9	14.88	CA
***** K BODY (FWD) *****							
CADILLAC SEVILLE STS/SEVILLE (6KS19/6KS69)							
w/P205/70R15 ALS	3875 Only	11.77	6.2	20.32	6.8	19.37	CA
w/P205/70R15 ALS	0-3750	11.70	6.2	19.85	6.8	18.86	CA
w/P215/65R15 AL3	0-3875	14.41	5.6	16.56	6.2	15.94	CA
***** L BODY (FWD) *****							
CHEVROLET BERETTA (1LV37)							
w/man. trans & P195/70R14 AL2	0-3125	10.12	5.3	18.96	5.9	17.99	CA
w/auto trans & P195/70R14 AL2	0-3125	10.62	5.3	18.07	5.9	17.19	CA
w/man. trans & P205/60R15 AL3	0-3125	10.94	4.2	17.65	4.7	16.99	CA
w/auto trans & P205/60R15 AL3	0-3125	11.44	4.2	16.88	4.7	16.28	CA
w/man. trans & P205/55R16 AL3	0-3125	11.18	4.4	17.26	4.8	16.61	CA
w/auto trans & P205/55R16 AL3	0-3125	11.68	4.4	16.52	4.8	15.93	CA