

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-586  
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: P1G5.7W8XEKO Displacement: 5.7 Liters (350 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Secondary Air Injection
- Exhaust Gas Recirculation
- Dual Three Way Catalytic Converters
- Dual Oxygen Sensors
- Multiport 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:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.39	7.0	0.7

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

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.39	3.5	0.3

BE IT FURTHER RESOLVED: That the listed vehicle 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 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 vehicle manufacturer is certifying to the 50,000-mile non-methane hydrocarbons and carbon monoxide standards based on its projected total sales of 1993 model California-certified passenger cars and light-duty trucks.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "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, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 regulations (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 6th day of August, 1992.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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 - Cutlass Ciera, Cutlass Cruiser, Century, Century Wagon
- B - Caprice, Roadmaster Wagon, Coachbuilder Wagon, Roadmaster, Caprice Wagon
- C - Ninety-Eight, Park Avenue, DeVille, Sixty Special, Commercial Chassis, Coachbuilder Special
- D - Fleetwood, Limousine, Funeral Coach/Hearse
- E - Toronado, Riviera, Eldorado, Trofeo
- F - Camaro, Firebird, Trans Am
- H - Bonneville, Eighty-Eight, LeSabre
- J - Cavalier, Sunbird, Cavalier Wagon
- 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

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       | 57 - 2Dr 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: 07-13-92  
(ML-PP416)

REVISED:

17-P1G5.7W8XEKO-1  
(1993)

(FOR CARB USE ONLY)

E.O. #A-6-586

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P1G5.7W8XEKO

PASSENGER CARS X LIGHT DUTY TRUCKS      MEDIUM DUTY VEHICLES     

FUEL TYPE: GAS STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V8 LITER (CID): 5.7 EVAP FAMILY: PBO-1U

ENGINE: FRONT X MID      REAR      DRIVE: FWD      RWD X 4WD-FT      4WD-PT     

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/2-TWC/2-02S/MFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
11	1FP87 2FV87 1FP67	A4	3750 3875	16139161	17092160	10164187
12	1FP87 2FV87 1FP67		3750 3875	16140071		
13	1FP87 2FV87		3750	16140081		

ISSUED: 07-13-92  
(ML-PP416)

REVISED:

17-P1G5.7W8XEKO-2  
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P1G5.7W8XEKO

PASSENGER CARS X

LIGHT DUTY TRUCKS     

MEDIUM DUTY VEHICLES     

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V8

LITER (CID): 5.7

EVAP FAMILY: PBO-1U

ENGINE: FRONT X MID      REAR     

DRIVE: FWD      RWD X 4WD-FT      4WD-PT     

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/2-TWC/2-02S/MFI

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11	1FP87 2FV87 1FP67	A4	3750  3875	16139161	17092160	10164187
11A				16189621		10230431
12	1FP87 2FV87 1FP67		3750  3875	16140071		10164187
12A				16189631		10230431
13	1FP87 2FV87		3750	16140081		10164187
13A				16189641		10230431

ISSUED: 07-13-92  
(ML-PP416)

REVISED: ML-PR103

17-P1G5.7W8XEKO-2  
(1993)