File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-710
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year General Motors Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: TGM3.4VJGFEK Displacement: 3.4 Liters (208 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation
Three Way Catalytic Converter
Heated Oxygen Sensors (Two)
Sequential Multiport Fuel Injection
Secondary Air Injection

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

The certification exhaust emission standards (in-use compliance standards in parentheses) for this engine family in grams per mile are:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (0.4)	10.0 (10.0)
100,000	0.31 (n/a)	4.2 (n/a)	0.6 (n/a)	n/a

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

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
50,000	0.10	0.9	0.2	9.1
100,000	0.10	0.9	0.3	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth 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 under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance as set forth 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 submitted alternative in-use compliance plan satisfies the requirement that a maximum of 20 percent of the manufacturer's projected sales of 1996 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) 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 1st day of August, 1995.

John Kowalski for

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

E.O. #A-6-710

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, Caprice Wagon, Roadmaster Wagon, Coachbuilder Wagon, Roadmaster
C - Ninety-Eight, Park Avenue
D - Fleetwood, Limousine, Funeral Coach/Hearse
E - Eldorado
F - Camaro, Firebird/Formula
G - Riviera, Aurora
H - Bonneville, Eighty-Eight, LeSabre
J - Cavalier, Sunfire
K - Seville
Ksp - Deville/Concours
L - Corsica, Beretta
N - Grand Am, Achieva, Skylark
W - Grand Prix, Regal, Cutlass Supreme, Lumina, Monte Carlo
Y - Corvette
Z - Saturn SC, SL, SW

Digit 3 - Trim Level

B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, T, U, V, W, X, Y, Z

Digits 4 & 5 - Body Style

07 - 2Dr Sport Coupe
08 - 2Dr Hatchback Coupe
11 - 2Dr Notchback
15 - 2Dr Station Wagon
19 - 4Dr Sedan
23 - 4Dr Aux. Seat Sedan
27 - 2Dr (Notchback) Coupe
29 - 4Dr Sedan
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
77 - 2Dr Hatchback Coupe
87 - 2Dr Hatchback Coupe
90 - Commerical Chassis

ISSUED: ML-TP089 REVISED:

17-TGM3.4VJGFEK-1

17-34VJG

E.O. # A-6-710

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

'FR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM3.4VJGFEK EVAP. FAMILY: TGM1058AYMAA

ALL ENGINE CODES IN ENGINE FAMILY: CA___ 49S___ 50S X AB965___

EXH STD: CA Tier-1 X TLEV___ LEV___ ULEV___ ZEV___ ; U.S. EPA Tier-1 X

EVAP STD: 50K X USEFUL LIFE WITH R/L___ ; IN-USE EXH STD: FULL___ ALTERNATIVE X

VEH CLASS(ES): PC X LDT1___ LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___

SINGLE CERT STD FOR MULTI-CLASS ENGINE FAMILY: NA

FUEL TYPE(S): DEDICATED X GASOLINE X ; EMISS TEST FUEL(S): INDO___ PHASE 2 X

SERVICE ACCUM: STD AMA___ MFR ADP X ; NMOG TEST PROC: NA EQUIV___

R/L TEST PROC: NA PT SOURCE___ ; HYBRID TYPE: NA APU CYCLE: NA

ENGINE CONFIGURATION: I4___ V6 X V8___ DISPLACEMENT: 3.4 LITERS/ 208 CU. IN.

VALVES/CYLINDER: 2___ 4 X RATED HP: 215 @ 5200 RPM

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

EXHAUST EMISSION CONTROL SYSTEM: AIR-EGR-TWC-HO2S(2)-SFI

RLHP/DPA VALUES: SECTION 08.13.02.00

ENG CODE (LOC)	VEH MODELS (SEE PAGE 1)	TRANS. (M5,A4 ETC.)	EQUIV. TEST WEIGHT	PCM PART NO./CALIB	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
1,11M	1WN69	A4/F32	3875	16209020/16210274	17096199	24503805,
	1WX27		3750	16209020/16228184		25162377
	2WJ19		3875			
	2WJ37		3750			
	3WH47					
	3WH69		3875			
11A,11N				16209020/16233384		
11B,11P				16209020/16236624		
11C,11R				16209020/16238884		
11D,11T				16209020/16240664		

CARLINE NAME	CARLINE CODE
CHEVROLET LUMINA/MONTE CARLO	12050
PONTIAC GRAND PRIX	29025
OLDSMOBILE CUTLASS SUPREME	29055

ISSUED: ML-TP089 REVISED: ML-TR030, ML-TP135, ML-TR065, ML-TR075, ML-TR084

17-TGM3.4VJGFEK-2