State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-717
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: TGM5.7V8GFGK Displacement: 5.7 Liters (350 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Secondary Air Injection
Exhaust Gas Recirculation (Automatic Transmission Only)
Dual Three Way Catalytic Converters
Dual Heated Oxygen Sensors (Two)
Sequential Multiport Fuel Injection

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

The certification exhaust emission standards (alternative 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 (n/a)	10.0 (n/a)
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	0.14	2.0	0.2	6.0
100,000	0.15	2.3	0.2	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 5th day of May, 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM5.7V8GFGK

EVAP STD: 50K_X_ USEFUL LIFE WITH R/L___ EVAPORATIVE FAMILY: TGM1058AYMAL

EXH STD: TIER-0___ TIER-1_X_ TLEV___ LEV___ ULEV___ ZEV___; EPA TIER-0___ TIER-1_X_

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

SINGLE CERT STD FOR MULTI-CLASS ENGINE FAMILY: NA

EXH CERT FUEL(S): INDO_X_ PH2___ DIESEL: 13 CCR 2282___ OR 40 CFR 86.113-90___
OR -94___ M85___ CNG___ LPG___ OTHER (SPECIFY)_____

FUEL TYPE(S): DEDICATED___ FLEX-FUEL___ DUAL-FUEL___ GASOLINE_X_ DIESEL___ M85___
CNG___ LNG___ LPG___ OTHER (SPECIFY)_____

HYBRID: TYPE A___ B___ C___ APU CYCLE (E.G., OTTO, DIESEL, TURBINE): NA

ENGINE CONFIGURATION: V8 DISPLACEMENT: 5.7 LITERS 350 CUBIC INCHES

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD___ RWD_X_ 4WD-FT___ 4WD-PT___

EXHAUST EMISSION CONT SYS & COMPONENTS: SFI/AIR/2TWC/2HO2S(2) - Manual
AIR/2TWC/SFI/EGR/2HO2S(2) - Automatic

RLHP/DPA: SECTION 08.13.02.00

(LOC) 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.
1	1YY07	A4	3625	16214621/BNNJ	17092172	25153077, 25153070
	1YY67		3750			
1A				16228051/BRST		
1B				16231501/BSTR		
2			3625	16214601/BNNF		
2A				16228031/BRSR		
2B				16229971/BSCX		
3		M6	3750	16214651/BNNM	NA	
3A				16228061/BRSU		
3B				16230041/BSDF		

CARLINE NAME	CARLINE CODE
CORVETTE	12055

ISSUED: ML-TP017 REVISED: ML-TR003, ML-TR006, ML-TR006A

(FOR CARB USE ONLY)

E.O. #A-6-717

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, Custom Cruiser, Roadmaster Wagon, Coachbuilder Wagon, Roadmaster
C - Ninety-Eight, Park Avenue
D - Fleetwood, Limousine, Hearse/Coachbuilder
E - Eldorado
F - Camaro, Firebird, Trans Am
G - Riviera, Aurora
H - Bonneville, Eighty-Eight, LeSabre
J - Cavalier, Sunfire
K - Seville
Ksp - Concours, Deville
L - Corsica, Beretta
N - Grand Am, Cutlass Calais, Skylark
W - Grand Prix, Regal, Cutlass Supreme, Lumina, Monte Carlo
Y - Corvette
Z - Saturn Coupe/Sedan

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
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 - Commercial Chassis
97 - 2Dr Hardtop Coupe

ISSUED: ML-TP017 REVISED:

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM5.7V8GFGK

EVAP STD: 50K_X_ USEFUL LIFE WITH R/L___ EVAPORATIVE FAMILY: TGM1070AYMAL

EXH STD: TIER-0___ TIER-1_X_ TLEV___ LEV___ ULEV___ ZEV___; EPA TIER-0___ TIER-1_X_

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

SINGLE CERT STD FOR MULTI-CLASS ENGINE FAMILY: NA

EXH CERT FUEL(S): INDO_X_ PH2___ DIESEL: 13 CCR 2282___ OR 40 CFR 86.113-90___
OR -94___ M85___ CNG___ LPG___ OTHER (SPECIFY)_____

FUEL TYPE(S): DEDICATED___ FLEX-FUEL___ DUAL-FUEL___ GASOLINE_X_ DIESEL___ M85___
CNG___ LNG___ LPG___ OTHER (SPECIFY)_____

HYBRID: TYPE A___ B___ C___ APU CYCLE (E.G., OTTO, DIESEL, TURBINE): NA

ENGINE CONFIGURATION: V8 DISPLACEMENT: 5.7 LITERS 350 CUBIC INCHES

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD___ RWD_X_ 4WD-FT___ 4WD-PT___

EXHAUST EMISSION CONT SYS & COMPONENTS: SFI/AIR/2TWC/2HO2S(2) - Manual
AIR/2TWC/SFI/EGR/2HO2S(2) - Automatic

RLHP/DPA: SECTION 08.13.02.00

(LOC) ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV. TEST WEIGHT	IGN SYSTEM (PCME/PROM) CALIB/PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1	1YY07	A4	3625	16214621/16233391	17092172	25153077, 25153070
	1YY67		3750			
1A				16228051/16233391		
1B				16230011/16233391		
2			3625	16214601/16233391		
2A				16228031/16233391		
2B				16229971/16233391		
3		M6	3750	16214651/16233391	NA	
3A				16228061/16233391		
3B				16230041/16233391		

CARLINE NAME	CARLINE CODE
CORVETTE	12055

ISSUED: ML-TR011 REVISED: ML-TP166

(FOR CARB USE ONLY)

E.O. #A-6-718

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
LIGHT DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Example, Pattern A: CC10703+E62
Example, Pattern B: 1UM05

Digit 1 = Marketing Division

Pattern A	Pattern B
C = Chevrolet	1 = Chevrolet
T = GMC	2 = Pontiac
H = Oldsmobile	3 = Oldsmobile
G = Isuzu	

Note: Digit 1 is not used for Pattern A models on engine family pages or California Supplemental Data Sheets.

Digit 2 = Chassis Type (all)

U = Conventional 4x2 Front Wheel Drive
C, S, M = Conventional 4x2 Rear Wheel Drive
G = Forward Control 4x2 Rear Wheel Drive
K, T, L = Conventional 4x4 Four Wheel Drive, All Wheel Drive

Digit 3 = Series/GVWR

Pattern A	Pattern B
1 = 11,15,1500/3500-7300	Letter code designates trim level rather than series/GVWR.
2 = 21,25,2500/6400-8600	
3 = 31,35,3500/7100-14500	

Digits 4 & 5

Pattern A = Dimensional Grouping	Pattern B
05 = Blazer, Jimmy, Bravada	05 = Cargo (APV)
06 = S/T Short Box	06 = Passenger (Lumina APV, Trans Sport, Silhouette)
07 = C/K Short Box	
08 = S/T Long Box & Cab-Chassis	
09 = C/K Long Box, Suburban,	
10 = M/L Long Body	
14 = G Short Wheelbase	
17 = G Long Wheelbase	

Digits 6 & 7 = Body/Cab Codes (Pattern A Only)

03 = Conventional Cab, Cab-Chassis
05 = Cargo Van
06 = Passenger Van, 4 Door Special Purpose Vehicle
16 = 2 Door Special Purpose Vehicle
43 = Crew Cab
53 = Extended Cab

Pickup Body Codes (Optional, Used with Pattern A Only)

+E62 = Stepside, Fenderside
+E63 = Fleetside, Wideside
+ZW9 = Cab-Chassis

ISSUED: ML-TP053 REVISED:

17-TGM2.218GFEK-1

17-2218GF