State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-709
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: TGM3.1V8GFEK Displacement: 3.1 Liters (191 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation
Three Way Catalytic Converter
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 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	3.4	0.4	10.0
100,000	0.31	4.2	0.6	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	0.17	1.8	0.4	7.6
100,000	0.19	2.3	0.5	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 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 7 day of July 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

E.O. #A-6

AIR RESOURCES BOARD SUPPLEMENTAL
GASOLINE-FUELED PASSENGER

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-TP080 REVISED:

17-TGM3.1V8GFEK-1

17-31V8G

E.O. # A-6-709

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM3.1V8GFEK 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 X ALTERNATIVE___

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: 3.1 LITERS/ 191 CU. IN.

VALVES/CYLINDER: 2 X 4___ RATED HP: 160 @ 5200 RPM

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

EXHAUST EMISSION CONTROL SYSTEM: 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.
1,1M	1WL69 *1	A4/A	3625	16209020/16210254	17096154	24504613, 25144396
	1WN69		3750	16209020/16210244 *1		
	1WW27		3625			
	2WJ37					
	2WJ19		3750			
	3WH47		3625			
	3WH69		3750			
	4WB19		3625			
	4WB57					
1A,1N				16209020/16227954 16209020/16227944 *2		
1B,1P				16209020/16231964		
1C,1R				16209020/16238714		
1XB,1XP	4WD19		3750	16209020/16231944 *2		
1XC,1XR				16209020/16238714 *2		

CARLINE NAME	CARLINE CODE
LUMINA/MONTE CARLO	12050
GRAND PRIX	33055
CUTLASS SUPREME	29055
REGAL	08022

*1 FOR POLICE AND TAXI VEHICLE APPLICATION, ETW IS 3750
*2 FOR POLICE AND TAXI VEHICLE APPLICATIONS ONLY

ISSUED: ML-TP080 REVISED: ML-TR019, ML-TR034, ML-TP135, ML-TR055, ML-TR082, ML-TR087

17-TGM3.1V8GFEK-2

E.O. # A-6-709

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM3.1V8GFEK 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 X ALTERNATIVE___
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: 3.1 LITERS/ 191 CU. IN.
VALVES/CYLINDER: 2 X 4___ RATED HP: 160 @ 5200 RPM
ENGINE LOCATION: FRONT X DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___
EXHAUST EMISSION CONTROL SYSTEM: 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.
2.2M	1WL69 *1	A4/A	3750	16209020/16231944	17096154	24504613.
2A.2N				16209020/16238724		

25144396

CARLINE NAME	CARLINE CODE
LUMINA/MONTE CARLO	12050
GRAND PRIX	33055
CUTLASS SUPREME	29055
REGAL	08022

*1 FOR POLICE AND TAXI APPLICATIONS ONLY

ISSUED: ML-TR082 REVISED: ML-TR087

17-TGM3.1V8GFEK-2.1

17-31V8G

E.O. # A-6-709

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM3.1V8GFEK 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 X ALTERNATIVE__

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: 3.1 LITERS/ 191 CU. IN.

VALVES/CYLINDER: 2 X 4___ RATED HP: 155 @ 5200 RPM

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

EXHAUST EMISSION CONTROL SYSTEM: 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.
5,5M	1LD69 1LV37 1LW37	A4/C	3250	16209020/16210194	17096154	10243261, 25144396
5A,5N				16209020/16226514		
5B,5P				16209020/16231904		
5C,5R				16209020/16234444		
5D,5S				16209020/16238654		

CARLINE NAME	CARLINE CODE
CORSICA	12010
BERETTA	12020

ISSUED: ML-TP080 REVISED: ML-TR019, ML-TR034, ML-TR047, ML-TP135, ML-TR102

E.O. # A-6-709

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM3.1V8GFEK 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 X ALTERNATIVE___

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: 3.1 LITERS/ 191 CU. IN.

VALVES/CYLINDER: 2 X 4___ RATED HP: 160 @ 5200 RPM

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

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

RLHP/DPA VALUES: SECTION 08.13.02.00

ENG CODE (1 OC)	VEH MODELS (SEE PAGE 1)	TRANS. (M5,A4 ETC.)	EQUIV. TEST WEIGHT	PCM PART NO./CALIB	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
10, 10M	3AJ35 3AJ69 4AG35 4AG69	A4/C	3625 3375 3625 3375	16209020/16210154	17096154	24503701, 25144396
10A, 10N				16209020/16230154		
10B, 10P				16209020/16230054		
10C, 10R				16209020/16238624		

CARLINE NAME	CARLINE CODE
CIERA SL WAGON	29020
CIERA SL	29015
CENTURY WAGON	08025
CENTURY	08020

ISSUED: ML-TP080 REVISED: ML-TR019, ML-TR034, ML-TP135, ML-TR087

17-TGM3.1V8GFEK-4

E.O. # A-6-709

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM3.1V8GFEK EVAP. FAMILY: TGM1089AYMAA

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 X ALTERNATIVE___

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: 3.1 LITERS/ 191 CU. IN.

VALVES/CYLINDER: 2 X 4___ RATED HP: 155 @ 5200 RPM

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

EXHAUST EMISSION CONTROL SYSTEM: 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	IGNITION (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
4M	2NE37 2NW37 2NE69 2NW69 3NL37 3NL69 4NJ37 4NJ69	A4/C	3250 3375 3250	16210214/BMPP	17096154	10243261. 25144396
4A,4N				16227984/BRPT		
4B,4P				16230584/BSKP		

CARLINE NAME	CARLINE CODE
GRAND AM	33025
ACHIEVA	29010

ISSUED: ML-TP080 REVISED: ML-TR019, ML-TR034

17-TGM3.1V8GFEK-5

17-31V8G