

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-704
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: TGM1.9VJGFEK Displacement: 1.9 Liters (116 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Exhaust Gas Recirculation
- Three Way Catalytic Converter
- Oxygen Sensor
- Heated Oxygen Sensor
- 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:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
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:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.10	1.0	0.1	5.4
100,000	0.10	1.2	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 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 June 1995.



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, 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 | 37 - 2Dr Hardtop Coupe |
| 08 - 2Dr Hatchback Coupe | 47 - 2Dr Hardtop Coupe |
| 11 - 2Dr Notchback | 57 - 2Dr Hardtop Coupe |
| 15 - 2Dr Station Wagon | 67 - 2Dr Convertible Coupe |
| 19 - 4Dr Sedan | 68 - 4Dr Hatchback Sedan |
| 23 - 4Dr Aux. Seat Sedan | 69 - 4Dr (Notchback) Sedan |
| 27 - 2Dr (Notchback) Coupe | 77 - 2Dr Hatchback Coupe |
| 29 - 4Dr Sedan | 87 - 2Dr Hatchback Coupe |
| 35 - 4Dr Station Wagon | 90 - Commerical Chassis |

ISSUED: ML-TP064

REVISED:

17-TGM1.9VJGFEK-1

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM1.9VJGFEK EVAP. FAMILY: TGM1035AYPAA
 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_X MFR ADP___ ; NMOG TEST PROC: NA EQUIV___
 R/L TEST PROC: NA PT SOURCE___ ; HYBRID TYPE: NA APU CYCLE: NA
 ENGINE CONFIGURATION: I4_X V6___ V8___ DISPLACEMENT: 1.9 LITERS/ 116 CU. IN.
 VALVES/CYLINDER: 2___ 4_X RATED HP: 124 @ 5600 RPM
 ENGINE LOCATION: FRONT_X DRIVE: FWD_X RWD___ 4WD-FT___ 4WD-PT___
 EXHAUST EMISSION CONTROL SYSTEM: EGR, O2S, HO2S, SFI, TWC, KS
 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./CALIB	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
1A	8ZK69 8ZK35	A4	2750 2875	21007798/21007736	21006601	25146473
1B				21007798/21007788		
2A	8ZK69 8ZK35		2750 2875	21007798/21007736		
2B				21007798/21007788		
3A	8ZJ69 8ZJ35	M5	2750 2875	21007799/21007739		
3B				21007799/21007761		
4A	8ZJ69 8ZJ35		2750 2875	21007799/21007739		
4B				21007799/21007761		

CARLINE NAME	CARLINE CODE
SL2 SEDAN	37320
SW2 WAGON	37330

ISSUED: ML-TP064

REVISED: ML-TR007, ML-TR068

17-TGM1.9VJGFEK-2

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

FR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM1.9VJGF EK EVAP. FAMILY: TGM1035AYPAA

<u>ENG CODE (LOC)</u>	<u>VEH MODELS (SEE PAGE 1)</u>	<u>TRANS. (M5, A4 ETC.)</u>	<u>EQUIV. TEST WEIGHT</u>	<u>IGNITION (ECM/PCM) PART NO./CALIB</u>	<u>EGR SYSTEM PART NO.</u>	<u>CATALYTIC CONVERTER PART NO.</u>
1C	8ZK69 8ZK35	A4	2750	21007798/21008025	21006601	25146473
1D				21007798/21008048		
1E				21008156/21008144		
2C	8ZK69 8ZK35		2750 2875	21007798/21008025		
2D				21007798/21008048		
2E				21008156/21008144		
3C	8ZJ69 8ZJ35	M5	2750	21007799/21008028		
3D				21007799/21008051		
3E				21008155/21008147		
4C	8ZJ69 8ZJ35		2750 2875	21007799/21008028		
4D				21007799/21008051		
4E				21008155/21008147		

<u>CARLINE NAME</u>	<u>CARLINE CODE</u>
SL2 SEDAN	37320
SW2 WAGON	37330

ISSUED: ML-TR013

REVISED: ML-TR027, ML-TR068, ML-TR068A

17-TGM1.9VJGF EK-2.1

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

FR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM1.9VJGFEK EVAP. FAMILY: TGM1035AYPAA

<u>ENG CODE (LOC)</u>	<u>VEH MODELS (SEE PAGE 1)</u>	<u>TRANS. (M5, A4 ETC.)</u>	<u>EQUIV. TEST WEIGHT</u>	<u>IGNITION (ECM/PCM) PART NO./CALIB</u>	<u>EGR SYSTEM PART NO.</u>	<u>CATALYTIC CONVERTER PART NO.</u>
11A	8ZH27	A4	2750	21007798/21007736	21006601	25146473
11B				21007798/21007788		
11C				21007798/21008025		
11D				21007798/21008048		
11E				21008156/21008144		
12A	8ZH27			21007798/21007736		
12B				21007798/21007788		
12C				21007798/21008025		
12D				21007798/21008048		
12E				21008156/21008144		
13A	8ZG27	M5		21007799/21007739		
13B				21007799/21007761		
13C				21007799/21008028		
13D				21007799/21008051		
13E				21008155/21008147		
14A	8ZG27			21007799/21007739		
14B				21007799/21007761		
14C				21007799/21008028		
14D				21007799/21008051		
14E				21008155/21008147		

CARLINE NAME
SC2 COUPE

CARLINE CODE
37310

ISSUED: ML-TP064

REVISED: ML-TR007, ML-TR013, ML-TR027, ML-TR068, ML-TR068A

17-TGM1.9VJGFEK-3