State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-718
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 light-duty trucks:

Fuel Type: Gasoline

Engine Family: TGM2.218GFEK Displacement: 2.2 Liters (134 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:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
0-3750	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:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
0-3750	50,000	0.15	2.2	0.3	7.8
	100,000	0.21	3.0	0.4	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

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM2.218GFEK

JAP STD: 50K_X_ USEFUL LIFE WITH R/L___ EVAPORATIVE FAMILY: TGM1089AYMBB

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

VEH CLASS(ES): PC___ LDT1_X_ LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___

SINGLE CERT STD FOR MULTI-CLASS ENGINE FAMILY: NA

EXH CERT FUEL(S): INDO___ PH2_X_ DIESEL: 13 CCR 2282___ OR 40 CFR 86.113-90___
OR -94___ M85___ CNG___ LPG___ OTHER (SPECIFY)_____

FUEL TYPE(S): DEDICATED_X_ 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: I4 DISPLACEMENT: 2.2 LITERS 134 CUBIC INCHES

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

EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: TWC, EGR, O2S, HO2S, SFI

RLHP/DPA: SECTION 08.13.02.00

(LOC) ENG CODE (NW)	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	S10603+E62 S10603+E63	A	3375	16211853/BMZS	17096100	25152988
	S10803+E63 S10653+E62		3500			
	S10653+E63		3625			
2	S10603+E62 S10603+E63 S10803+E63		3375			
	S10653+E62 S10653+E63		3500			

CARLINE NAME	CARLINE CODE
S10 PICKUP 2WD	55082
SONOMA 2WD	80072

ISSUED: ML-TP053 REVISED:

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM2.218GFEK

EVAP STD: 50K_X_ USEFUL LIFE WITH R/L___ EVAPORATIVE FAMILY: TGM1089AYMBB

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

VEH CLASS(ES): PC___ LDT1_X_ LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___

SINGLE CERT STD FOR MULTI-CLASS ENGINE FAMILY: NA

EXH CERT FUEL(S): INDO___ PH2_X_ DIESEL: 13 CCR 2282___ OR 40 CFR 86.113-90___
OR -94___ M85___ CNG___ LPG___ OTHER (SPECIFY)_____

FUEL TYPE(S): DEDICATED_X_ 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: I4 DISPLACEMENT: 2.2 LITERS 134 CUBIC INCHES

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

EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: TWC, EGR, O2S, HO2S, SFI

RLHP/DPA: SECTION 08.13.02.00

(LOC) ENG CODE (NW)	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.
3	GS10603+E63 S10603+E63 S10603+E62 S10803+E63	M	3375	16218863/BPKR	17096100	25152988
4	S10603+E62 GS10603+E63 S10603+E62 S10803+E63		3250 3375			

CARLINE NAME	CARLINE CODE
S10 PICKUP 2WD	55082
SONOMA 2WD	80072
HOMBRE 2WD	82500

ISSUED: ML-TP053 REVISED:

E.O. #A-6-718

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM2.218GFEK

EVAP STD: 50K_X_ USEFUL LIFE WITH R/L___ EVAPORATIVE FAMILY: TGM1089AYMBB

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

VEH CLASS(ES): PC___ LDT1_X_ LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___

SINGLE CERT STD FOR MULTI-CLASS ENGINE FAMILY: NA

EXH CERT FUEL(S): INDO___ PH2_X_ DIESEL: 13 CCR 2282___ OR 40 CFR 86.113-90___ OR -94___ M85___ CNG___ LPG___ OTHER (SPECIFY)_____

FUEL TYPE(S): DEDICATED_X_ 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: I4 DISPLACEMENT: 2.2 LITERS 134 CUBIC INCHES

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

EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: TWC, EGR, O2S, HO2S, SFI

RLHP/DPA: SECTION 08.13.02.00

(LOC) ENG CODE (NW)	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.
5,6	S10653+E63 S10653+E63	M	3500	16211873/BMZU	17096100	25152988

CARLINE NAME	CARLINE CODE
S10 PICKUP 2WD	55082
SONOMA 2WD	80072

ISSUED: ML-TP053 REVISED:

17-TGM2.218GFEK-4

17-2218GF