State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-768
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 1997 model-year General Motors Corporation year exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: VGM5.7JPG1GK Displacement: 5.7 Liters (350 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Exhaust Gas Recirculation
Dual Heated Oxygen Sensors (two)
Dual Three Way Catalytic Converters
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:

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
5751-8500	50,000	0.39	5.0	1.1	12.5
	120,000	0.56	7.3	1.53	n/a

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

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
5751-8500	50,000	0.19	2.9	0.4	4.5
	120,000	0.25	4.3	0.48	n/a

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.).

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.

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 May 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

LIGHT DUTY TRUCK MODEL NUMBER DEFINITION

(Includes California Medium Duty Trucks)

E.O. #A-6-768

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

Digit 1 = Marketing Division

Pattern A
C = Chevrolet
T = GMC
H = Oldsmobile
G = Isuzu

Pattern B
1 = Chevrolet
2 = Pontiac
3 = Oldsmobile

Note: Digit 1 is only used for Pattern A models on engine family pages or California Supplemental Data Sheets when necessary to discriminate by division model.

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
1 = 11,15,1500/3500-7300
2 = 21,25,2500/6400-8600
3 = 31,35,3500/7100-14500

Pattern B
Letter code designates trim level rather than series/GVWR.

Digits 4 & 5

Pattern A = Dimensional Grouping
05 = Utility: Tahoe (2Dr), Yukon (2Dr), Blazer, Jimmy, Bravada
06 = S/T Short Box
07 = C/K Short Box, Tahoe (4Dr), Yukon (4Dr)
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

Pattern B = Body Style
06 = Passenger (Venture, Trans Sport, Silhouette)
16 = Passenger (Venture, Trans Sport, Silhouette) Dual Sliding Doors

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

ISSUED: ML-VP060 REVISED:

(FOR CARB USE ONLY)

E.O. #A-6-768

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: VGM5.7JPG1GK EVAP FAMILY: VGM1098AYMBA

ALL ENGINE CODES IN ENGINE FAMILY: CA (X) 49S ( ) 50S ( ) AB965 ( )

EXH STD: CA TIER-1 (X) TLEV ( ) LEV ( ) ULEV ( ) ZEV ( ); U.S. EPA TIER-1 ( )

EVAP STD: 50K (X) USEFUL LIFE WITH R/L ( ); IN-USE EXH STD: FULL (X) ALTERNATIVE ( )

VEH CLASS(ES): PC ( ) LDT1 ( ) LDT2 ( ) MDV1 ( ) MDV2 ( ) MDV3 (X) MDV4 ( ) MDV5 ( )

SINGLE CERT STANDARD FOR MULTI-CLASS ENGINE FAMILY: NA

FUEL TYPE(S): DEDICATED (X) GASOLINE (X); EMISSION TEST FUEL(S): INDOLENE ( ) PHASE 2 (X)

SERVICE ACCUMULATION: STD AMA ( ) MFR ADP (X); NMOG TEST PROCEDURE: NA (X) EQUIV ( )

R/L TEST PROCEDURE: NA (X) PT SOURCE ( ); HYBRID TYPE: NA APU CYCLE: NA

ENGINE CONFIGURATION: I4 ( ) V6 ( ) V8 (X) DISPLACEMENT: 5.7 LITERS / 350 CU. IN.

VALVES / CYLINDER: 2 (X) 4 ( ) RATED HP: 255 @ 4600 RPM

ENGINE LOCATION: FRONT (X) DRIVE: FWD ( ) RWD (X) 4WD-FT ( ) 4WD-PT ( )

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

RLHP / DPA VALUES: SECTION 08.13.02.00

ENG CODE OC)	VEH MODELS (SEE PAGE 1)	TRANS (M5,A4,ETC.)	EQUIV. TEST WEIGHT	IGNITION (PCM/CALIB PART NO.)	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
(C) 51, 52	C10906 C20903+E63 C20753+E63	A4	6000	16213195 (BNHP)/ 16204228-ENG 16204025ZR-OPER 16204060(3.42), 16204079(3.73)-TRANS	17096309	25153032
51A, 52A				16213195 (BNHP)/ 16243345PC-OPER 16243432-ENG 16243558 (C/K20: 3.42), 16243560 (C10: 3.42, C/K20: 3.73), 16243561 (C10: 3.73)-TRANS		

CARLINE NAME	CARLINE CODE
C1500 SUBURBAN 2WD	55065
C1500 SUBURBAN 2WD	80055
C2500 PICKUP 2WD	55020
C2500 SIERRA 2WD	80015

'SSUED: ML-VP060 REVISED: ML-VR010

(FOR CARB USE ONLY)

E.O. #A-6-768

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

R: GENERAL MOTORS CORP. ENGINE FAMILY: VGM5.7JPG1GK EVAP FAMILY: VGM1098AYMBA

ENG CODE (LOC) (C)	VEH MODELS (SEE PAGE 1)	TRANS (M5,A4,ETC.)	EQUIV. TEST WEIGHT	IGNITION (PCM/CALIB PART NO.)	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
51B, 52B	C10906 C20903+E63 C20753+E63	A4	6000	16213195 (BNHP)/ 16243345P-OPER 16243432-ENG 16243558(C/K20:3.42), 16243560(C10:3.42, C/K20:3.73), 16243561(C10:3.73)-TRANS	17096309	25153032
51C, 52C				16256455PG-OPER 16256307-ENG		
55. 56	C20903+E63 C20753+E63	M5		16213195 (BNHP)/ 16204025ZR-OPER 16204174-ENG 16204115-TRANS		
55A. 56A				16213195 (BNHP)/ 16243345PC-OPER 16243431-ENG 16243566-TRANS		
55B. 56B				16213195 (BNHP)/ 16243345PF-OPER 16243431-ENG 16243566-TRANS		
55C, 56C				16256455PG-OPER 16256304-ENG		

CARLINE NAME	CARLINE CODE
C1500 SUBURBAN 2WD	55065
C1500 SUBURBAN 2WD	80055
C2500 PICKUP 2WD	55020
C2500 SIERRA 2WD	80015

ISSUED: ML-VR010 REVISED: ML-VR032, ML-VR098

(FOR CARB USE ONLY)

E.O. #A-6-768

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: VGM5.7JPG1GK EVAP FAMILY: VGM1098AYMBA

ALL ENGINE CODES IN ENGINE FAMILY: CA (X) 49S ( ) 50S ( ) AB965 ( )

EXH STD: CA TIER-1 (X) TLEV ( ) LEV ( ) ULEV ( ) ZEV ( ); U.S. EPA TIER-1 ( )

EVAP STD: 50K (X) USEFUL LIFE WITH R/L ( ); IN-USE EXH STD: FULL (X) ALTERNATIVE ( )

VEH CLASS(ES): PC ( ) LDT1 ( ) LDT2 ( ) MDV1 ( ) MDV2 ( ) MDV3 (X) MDV4 ( ) MDV5 ( )

SINGLE CERT STANDARD FOR MULTI-CLASS ENGINE FAMILY: NA

FUEL TYPE(S): DEDICATED (X) GASOLINE (X); EMISSION TEST FUEL(S): INDOLENE ( ) PHASE 2 (X)

SERVICE ACCUMULATION: STD AMA ( ) MFR ADP (X); NMOG TEST PROCEDURE: NA (X) EQUIV ( )

R/L TEST PROCEDURE: NA (X) PT SOURCE ( ); HYBRID TYPE: NA APU CYCLE: NA

ENGINE CONFIGURATION: I4 ( ) V6 ( ) V8 (X) DISPLACEMENT: 5.7 LITERS / 350 CU. IN.

VALVES / CYLINDER: 2 (X) 4 ( ) RATED HP: 255 @ 4600 RPM

ENGINE LOCATION: FRONT (X) DRIVE: FWD ( ) RWD ( ) 4WD-FT ( ) 4WD-PT (X)

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

RLHP / DPA VALUES: SECTION 08.13.02.00

ENG CODE (OC)	VEH MODELS (SEE PAGE 1)	TRANS (M5,A4,ETC.)	EQUIV. TEST WEIGHT	IGNITION (PCM/CALIB PART NO.)	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
(C) 51, 52	K10906 K10953+E63	A4	6500 6000	16213195 (BNHP)/ 16204225-ENG 16204025ZR-OPER 16204060(3.42), 16204079(3.73)-TRANS	17096309	25153032
51A, 52A				16213195 (BNHP)/ 16243345PC-OPER 16243432-ENG 16243558 (C/K20: 3.42), 16243560 (C10: 3.42, C/K20: 3.73), 16243561 (C10: 3.73)-TRANS		

CARLINE NAME	CARLINE CODE
K1500 SUBURBAN 4WD	55080
K1500 SUBURBAN 4WD	80070
K1500 PICKUP 4WD	55030
K1500 SIERRA 4WD	80020

ISSUED: ML-VP060 REVISED: ML-VR010

(FOR CARB USE ONLY)

E.O. #A-6-768

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

R: GENERAL MOTORS CORP. ENGINE FAMILY: VGM5.7JPG1GK EVAP FAMILY: VGM1098AYMBA

ENG CODE (LOC) (C)	VEH MODELS (SEE PAGE 1)	TRANS (M5,A4,ETC.)	EQUIV. TEST WEIGHT	IGNITION (PCM/CALIB PART NO.)	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
51B, 52B	K10906 K10953+E63	A4	6500 6000	16213195 (BNHP)/ 16243345PF-OPER 16243432-ENG 16243558(C/K20:3.42), 16243560(C10:3.42,C/K20:3.73), 16243561(C10:3.73)-TRANS	17096309	25153032
51C, 52C				16256455PG-OPER 16256307-ENG		
55, 56	K10953+E63	M5		16213195 (BNHP)/ 16204025ZR-OPER 16204174-ENG 16204115-TRANS		
55A, 56A				16213195 (BNHP)/ 16243345PC-OPER 16243431-ENG 16243566-TRANS		
55B, 56B				16213195 (BNHP)/ 16243345PF-OPER 16243431-ENG 16243566-TRANS		
55C, 56C				16256455PG-OPER 16256304-ENG		

CARLINE NAME	CARLINE CODE
K1500 SUBURBAN 4WD	55080
K1500 SUBURBAN 4WD	80070
K1500 PICKUP 4WD	55030
K1500 SIERRA 4WD	80020

ISSUED: ML-VR010 REVISED: ML-VR032, ML-VR098

(FOR CARB USE ONLY)

E.O. #A-6-768

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: VGM5.7JPG1GK EVAP FAMILY: VGM1098AYPBA

ALL ENGINE CODES IN ENGINE FAMILY: CA (X) 49S ( ) 50S ( ) AB965 ( )

EXH STD: CA TIER-1 (X) TLEV ( ) LEV ( ) ULEV ( ) ZEV ( ); U.S. EPA TIER-1 ( )

EVAP STD: 50K (X) USEFUL LIFE WITH R/L ( ); IN-USE EXH STD: FULL (X) ALTERNATIVE ( )

VEH CLASS(ES): PC ( ) LDT1 ( ) LDT2 ( ) MDV1 ( ) MDV2 ( ) MDV3 (X) MDV4 ( ) MDV5 ( )

SINGLE CERT STANDARD FOR MULTI-CLASS ENGINE FAMILY: NA

FUEL TYPE(S): DEDICATED (X) GASOLINE (X); EMISSION TEST FUEL(S): INDOLENE ( ) PHASE 2 (X)

SERVICE ACCUMULATION: STD AMA ( ) MFR ADP (X); NMOG TEST PROCEDURE: NA (X) EQUIV ( )

R/L TEST PROCEDURE: NA (X) PT SOURCE ( ); HYBRID TYPE: NA APU CYCLE: NA

ENGINE CONFIGURATION: I4 ( ) V6 ( ) V8 (X) DISPLACEMENT: 5.7 LITERS / 350 CU. IN.

VALVES / CYLINDER: 2 (X) 4 ( ) RATED HP: 255 @ 4600 RPM

ENGINE LOCATION: FRONT (X) DRIVE: FWD ( ) RWD ( ) 4WD-FT ( ) 4WD-PT (X)

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

RLHP / DPA VALUES: SECTION 08.13.02.00

ENG CODE (OC)	VEH MODELS (SEE PAGE 1)	TRANS (M5,A4,ETC.)	EQUIV. TEST WEIGHT	IGNITION (PCM/CALIB PART NO.)	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
(C) 51, 52	K10706	A4	6000	16213195 (BNHP)/ 16204228-ENG 16204025ZR-OPER 16204060(3.42), 16204079(3.73)-TRANS	17096309	25153032
51A, 52A				16213195 (BMHP)/ 16243345PC-OPER 16243432-ENG 16243558 (3.42), 16243560 (3.73)-TRANS		

CARLINE NAME	CARLINE CODE
K1500 TAHOE 4WD	55075
K1500 YUKON 4WD	80065

ISSUED: ML-VP060 REVISED: ML-VR010, ML-VR032

(FOR CARB USE ONLY)

E.O. #A-6-768

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

R: GENERAL MOTORS CORP. ENGINE FAMILY: VGM5.7JPG1GK EVAP FAMILY: VGM1098AYPBA

ENG CODE (LOC) (C)	VEH MODELS (SEE PAGE 1)	TRANS (M5,A4,ETC.)	EQUIV. TEST WEIGHT	IGNITION (PCM/CALIB PART NO.)	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
51B, 52B	K10706	A4	6000	16213195 (BNHP)/ 16243345PF-OPER 16243432-ENG 16243558(3.42), 16243560(3.73)-TRANS	17096309	25153032
51C, 52C				16256455PG-OPER 16256307-ENG		

CARLINE NAME	CARLINE CODE
500 TAHOE 4WD	55075
1500 YUKON 4WD	80065

ISSUED: ML-VR032 REVISED: ML-VR098

(FOR CARB USE ONLY)

E.O. #A-6-768

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MFR: GENERAL MOTORS CORP. ENGINE FAMILY: VGM5.7JPG1GK EVAP FAMILY: VGM1111AYMBA

ALL ENGINE CODES IN ENGINE FAMILY: CA (X) 49S ( ) 50S ( ) AB965 ( )

EXH STD: CA TIER-1 (X) TLEV ( ) LEV ( ) ULEV ( ) ZEV ( ); U.S. EPA TIER-1 ( )

EVAP STD: 50K (X) USEFUL LIFE WITH R/L ( ); IN-USE EXH STD: FULL (X) ALTERNATIVE ( )

VEH CLASS(ES): PC ( ) LDT1 ( ) LDT2 ( ) MDV1 ( ) MDV2 ( ) MDV3 (X) MDV4 ( ) MDV5 ( )

SINGLE CERT STANDARD FOR MULTI-CLASS ENGINE FAMILY: NA

FUEL TYPE(S): DEDICATED (X) GASOLINE (X); EMISSION TEST FUEL(S): INDOLENE ( ) PHASE 2 (X)

SERVICE ACCUMULATION: STD AMA ( ) MFR ADP (X); NMOG TEST PROCEDURE: NA (X) EQUIV ( )

R/L TEST PROCEDURE: NA (X) PT SOURCE ( ); HYBRID TYPE: NA APU CYCLE: NA

ENGINE CONFIGURATION: I4 ( ) V6 ( ) V8 (X) DISPLACEMENT: 5.7 LITERS / 350 CU. IN.

VALVES / CYLINDER: 2 (X) 4 ( ) RATED HP: 255 @ 4600 RPM

ENGINE LOCATION: FRONT (X) DRIVE: FWD ( ) RWD (X) 4WD-FT ( ) 4WD-PT ( )

EXHAUST EMISSION CONTROL SYSTEM: EGR, 2HO2S(2), 2TWC, 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 (PCM/CALIB PART NO.)	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
(C) 57, 58	G11405 G11406 G21405 G21705	A4	5000 5500 5250 5500	16213195 (BNHP)/ 16204129-ENG 16204025ZR-OPER 16204060(3.42), 16204079(3.73)-TRANS	17096309	25153032
57A, 58A				16213195 (BNHP)/ 16243345PC-OPER 16243433-ENG 16243560(3.42), 16243561(3.73)-TRANS		

CARLINE NAME	CARLINE CODE
G1500/2500 CHEVROLET EXPRESS 2WD	55040
G1500/2500 SAVANA 2WD	80030
G1500/2500 CHEVROLET VAN 2WD	55050
G1500/2500 SAVANA 2WD	80040

SUED: ML-VP060 REVISED: ML-VR010

(FOR CARB USE ONLY)

E.O. #A-6-768

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

GENERAL MOTORS CORP. ENGINE FAMILY: VGM5.7JPG1GK EVAP FAMILY: VGM1111AYMBA

ENG CODE (LOC) (C)	VEH MODELS (SEE PAGE 1)	TRANS (M5,A4,ETC.)	EQUIV. TEST WEIGHT	IGNITION (PCM/CALIB PART NO.)	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
57B, 58B	G11405	A4	5000	16213195 (BNHP)/	17096309	25153032
	G11406		5500	16243345PF-OPER		
	G21405		5250	16243433-ENG		
	G21705		5500	16243560(3.42), 16243561(3.73)-TRANS		
57C, 58C				16256455PG-OPER 16256312-ENG		

CARLINE NAME	CARLINE CODE
G1500/2500 CHEVROLET EXPRESS 2WD	55040
G1500/2500 SAVANA 2WD	80030
G1500/2500 CHEVROLET VAN 2WD	55050
G1500/2500 SAVANA 2WD	80040

ISSUED: ML-VR032 REVISED: ML-VR098