

File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-726
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 medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: TGM5.75PGFEK Displacement: 5.7 Liters (350 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Exhaust Gas Recirculation
- 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 for this engine family in grams per mile are:

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.32	4.4	0.7	12.5
	120,000	0.46	6.4	0.98	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)
3751-5750	50,000	0.18	2.6	0.2	6.4
	120,000	0.25	4.0	0.33	n/a

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 5 day of July 1995.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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

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-TP057

REVISED:

17-TGM5.75PGFEK-1

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: TGM5.75PGFEK

EVAP STD: 50K X USEFUL LIFE WITH R/L

EVAPORATIVE FAMILY: TGM1098AYPBA

EXH STD: TIER-0 TIER-1 X TLEV LEV ULEV ZEV ; EPA TIER-0 TIER-1 X

VEH CLASS(ES): PC LDT1 LDT2 MDV1 MDV2 X 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: V8 DISPLACEMENT: 5.7 LITERS 350 CUBIC INCHES

ENGINE: FRONT X MID REAR DRIVE: FWD RWD X 4WD-FT 4WD-PT

EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: EGR, 2HO2S(2), 2TWC, 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./CALIB	EGR SYSTEM PART NO.	CATALYST PART NO.
55, 56	C10706	A4	5500	16165180/ 16187659-ENG 16187780(3.08). 16187781(3.42). 16187812(3.73)-TRANS 16187577PB-OPER	17096188, 17096309	25153032
55A, 56A				16165180/ 16227429-ENG 16227574(3.08). 16227575(3.42). 16227576(3.73)-TRANS 16227245PF-OPER		
55B, 56B				16232292-ENG 16232915PG-OPER		
55C, 56C				16232372-ENG 16235505PH-OPER		
55D, 56D				16232372-ENG 16237015PJ-OPER		

CARLINE NAME
C1500 TAHOE 2WD
C1500 YUKON 2WD

CARLINE CODE
55022
80032

ISSUED: ML-TP057

REVISED: ML-TR016, ML-TR040, ML-TR053, ML-TR071

17-TGM5.75PGFEK-2

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORP. ENGINE FAMILY: TGM5.75PGFEK EVAP FAMILY: TGM1098AYMBA

<u>OC)</u> <u>ENG</u> <u>CODE</u> <u>(NW)</u>	<u>VEH MODELS</u> <u>(SEE PAGE 1)</u>	<u>TRANS TYPE:</u> <u>A-AUTO</u> <u>M-MAN</u>	<u>EQUIV.</u> <u>TEST</u> <u>WEIGHT</u>	<u>IGN SYSTEM</u> <u>(PCME/PROM)</u> <u>PART NO./CALIB</u>	<u>EGR</u> <u>SYSTEM</u> <u>PART NO.</u>	<u>CATALYST</u> <u>PART NO.</u>
52	C10703+E62 C10703+E63 C10903+E63 C10753+E62 C10753+E63 C10953+E63	A4	5250 5500	16165180/ 16187657-ENG 16187780(3.08). 16187781(3.42). 16187812(3.73)-TRANS 16187577PB-OPER	17096188. 17096309	25153032
52A				16165180/ 16227426-ENG 16227574(3.08). 16227575(3.42). 16227576(3.73)-TRANS 16227245PF-OPER		
52B				16232285-ENG 16232915PG-OPER		
52C				16232365-ENG 16235505PH-OPER		
52D				16232365-ENG 16237015-OPER		

<u>CARLINE NAME</u>	<u>CARLINE CODE</u>
C1500 PICKUP 2WD	55015
C1500 SIERRA 2WD	80010

ISSUED: ML-TR105

REVISED:

17-TGM5.75PGFEK-3.1

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: TGM5.75PGFEK

EVAP STD: 50K X USEFUL LIFE WITH R/L

EVAPORATIVE FAMILY: TGM1098AYMBA

EXH STD: TIER-0 TIER-1 X TLEV LEV ULEV ZEV ; EPA TIER-0 TIER-1 X

VEH CLASS(ES): PC LDT1 LDT2 MDV1 MDV2 X 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: V8 DISPLACEMENT: 5.7 LITERS 350 CUBIC INCHES

ENGINE: FRONT X MID REAR DRIVE: FWD RWD X 4WD-FT 4WD-PT

EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: EGR, 2HO2S(2), 2TWC, 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./CALIB	EGR SYSTEM PART NO.	CATALYST PART NO.
55	C10516	A4	5250	16165180/ 16187659-ENG 16187780(3.08). 16187781(3.42). 16187812(3.73)-TRANS 16187577PB-OPER	17096188, 17096309	25153032
56			5500			
55A			5250	16165180/ 16227429-ENG 16227574(3.08). 16227575(3.42). 16227576(3.73)-TRANS 16227245PF-OPER		
56A			5500			
55B			5250	16232292-ENG 16232915PG-OPER		
56B			5500			
55C			5250	16232372-ENG 16235505PH-OPER		
56C			5500			
55D, 56D				16232372-ENG 16237015PJ-OPER		

CARLINE NAME
C1500 TAHOE 2WD
C1500 YUKON 2WD

CARLINE CODE
55022
80032

ISSUED: ML-TP057

REVISED: ML-TR016, ML-TR040, ML-TR053, ML-TR071

17-TGM5.75PGFEK-4

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM5.75PGFEK
 EVAP STD: 50K X USEFUL LIFE WITH R/L____ EVAPORATIVE FAMILY: TGM1098AYMBA
 EXH STD: TIER-0____ TIER-1 X TLEV____ LEV____ ULEV____ ZEV____; EPA TIER-0____ TIER-1 X
 VEH CLASS(ES): PC____ LDT1____ LDT2____ MDV1____ MDV2 X 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: V8 DISPLACEMENT: 5.7 LITERS 350 CUBIC INCHES
 ENGINE: FRONT X MID____ REAR____ DRIVE: FWD____ RWD X 4WD-FT____ 4WD-PT____
 EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: EGR, 2HO2S(2), 2TWC, SFI
 RLHP/DPA: SECTION 08.13.02.00

(LOC) ENG CODE (CAL)	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.
	C10703+E62	M5	5000	16165180/BABC	17096188.	25153032
	C10703+E63			16187685-ENG	17096309	
	C10903+E63		5250	16187774-TRANS		
	C10753+E62			16187577PB-OPER		
	C10753+E63		5500			
79A				16227427-ENG		
				16227245-OPER		
79B				16232288-ENG		
				16232915-OPER		
80	C10703+E62		5000	16187685/ENG		
	C10703+E63			16187577PB-OPER		
	C10903+E63		5250			
	C10753+E62		5500			
	C10753+E63					
	C10953+E63					
80A				16227427-ENG		
				16227245-OPER		
80B				16232288-ENG		
				16232915-OPER		

CARLINE NAME	CARLINE CODE
1500 PICKUP 2WD	55015
500 SIERRA 2WD	80010

ISSUED: ML-TP057

REVISED: ML-TR016, ML-TR071, ML-TR105

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

FR: GENERAL MOTORS CORP. ENGINE FAMILY: TGM5.75PGFEK EVAP. FAMILY: TGM1098AYMBA

(LOC) ENG CODE (CAL)	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.
79C	C10703+E62 C10703+E63 C10903+E63 C10753+E62 C10753+E63 C10953+E63	M5	5000 5250 5500	16165180/BABC 16232368-ENG 16187774-TRANS 16235505-OPER	17096188. 17096309	25153032
79D				16232368-ENG 16237015-OPER		
80C	C10703+E62 C10703+E63 C10903+E63 C10753+E62 C10753+E63 C10953+E63		5000 5250 5500	16232368-ENG 16235505-OPER		
90D				16232368-ENG 16237015-OPER		

CARLINE NAME
C1500 PICKUP 2WD
C1500 SIERRA 2WD

CARLINE CODE
55015
80010

ISSUED: ML-TR016

REVISED: ML-TR040, ML-TR053, ML-TR071, ML-TR105

17-TGM5.75PGFEK-5.1

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORP.ENGINE FAMILY: TGM5.75PGFEKEVAP FAMILY: TGM1098AYMBA

(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.
53A	K10703+E62 K10703+E63 K10903+E63 K10753+E62(1) K10753+E62(2) K10753+E63(1) K10753+E63(2) K10953+E63	A4	5250 5500 6000	16165180/BABC 16227428-ENG 16227574(3.42). 16227575(3.73)-TRANS 16227245-OPER	17096188. 17096309	25153032
53B				16232289-ENG 16232915-OPER		
53C				16232369-ENG 16235505-OPER		
53D				16232369-ENG 16237015-OPER		
54A	K10703+E62 K10703+E63 K10903+E63 K10753+E62(1) K10753+E62(2) K10753+E63(1) K10753+E63(2) K10953+E63		5500 5250 5500 6000 5500 6000	16165180/BABC 16227428-ENG 16227574(3.42). 16227575(3.73)-TRANS 16227245-OPER		
54B				16232289-ENG 16232915-OPER		
54C				16232369-ENG 16235505-OPER		
54D				16232369-ENG 16237015-OPER		

<u>CARLINE NAME</u>
K1500 PICKUP 4WD
K1500 SIERRA 4WD

<u>CARLINE CODE</u>
55030
80020

(1) 6200 GVWR
(2) 6600 GVWR

ISSUED: ML-TR016

REVISED: ML-TR040, ML-TR053, ML-TR071, ML-TR105

17-TGM5.75PGFEK-6.1

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: TGM5.75PGFEK
 EVAP STD: 50K_X USEFUL LIFE WITH R/L___ EVAPORATIVE FAMILY: TGM1098AYMBA
 EXH STD: TIER-0___ TIER-1_X TLEV___ LEV___ ULEV___ ZEV___; EPA TIER-0___ TIER-1_X
 VEH CLASS(ES): PC___ LDT1___ LDT2___ MDV1___ MDV2_X 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: V8 DISPLACEMENT: 5.7 LITERS 350 CUBIC INCHES
 ENGINE: FRONT_X MID___ REAR___ DRIVE: FWD___ RWD___ 4WD-FT___ 4WD-PT_X
 EXHAUST EMISSION CONTROL SYSTEM & COMPONENTS: EGR, 2HO2S(2), 2TWC, 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./CALIB	EGR SYSTEM PART NO.	CATALYST PART NO.
5. 56	K10516	A4	5500	16165180/ 16187659-ENG 16187881(3.42), 16187812(3.73)-TRANS 16187577PB-OPER	17096188, 17096309	25153032
55A, 56A				16165180/ 16227429-ENG 16227574(3.42), 16227575(3.73)-TRANS 16227245PF-OPER		
55B, 56B				16232292-ENG 16232915PG-OPER		
55C, 56C				16232372-ENG 16235505PH-OPER		
55D, 56D				16232372-ENG 16237015PJ-OPER		

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

ISSUED: ML-TP057

REVISED: ML-TR016, ML-TR040, ML-TR053, ML-TR071

17-TGM5.75PGFEK-7

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORP. ENGINE FAMILY: TGM5.75PGFEK EVAP FAMILY: TGM1098AYMBA

(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.
75A	K10703+E62 K10703+E63 K10903+E63 K10753+E62(1) K10753+E62(2) K10753+E63(1) K10753+E63(2) K10953+E63	A4	5250 5500 6000	16165180/BABC 16227431-ENG 16187774-TRANS 16227245-OPER	17096188, 17096309	25153032
75B				16232298-ENG 16227591-TRANS 16232915-OPER		
75C				16232378-ENG 16235505-OPER		
75D				16232378-ENG 16237015-OPER		
5A	K10703+E62 K10703+E63 K10903+E63 K10753+E62(1) K10753+E62(2) K10753+E63(1) K10753+E63(2) K10953+E63		5250 5500 6000 5500 6000	16165180/BABC 16227431-ENG 16187774-TRANS 16227245-OPER		
768				16232298-ENG 16227591-TRANS 16232915-OPER		
76C				16232378-ENG 16235505-OPER		
76D				16232378-ENG 16237015-OPER		

<u>CARLINE NAME</u>	<u>CARLINE CODE</u>
K1500 PICKUP 4WD	55030
K1500 SIERRA 4WD	80020

(1) 6200 GVWR
(2) 6600 GVWR

ISSUED: ML-TR016

REVISED: ML-TR040, ML-TR053, ML-TR071, ML-TR105

17-TGM5.75PGFEK-8.1