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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-177
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That General Motors Corporation exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered light duty trucks.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
08K4AA	350	Air Injection Exhaust Gas Recirculation Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

<u>Engine Family</u>	<u>Inertia Weight Class</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
08K4AA	4000- 6000	0.31	7.4	1.2

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles except Motorcycles".

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" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

BE IT FURTHER RESOLVED: That General Motors Corporation has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 10th day of August, 1979.



K. D. Drachand, Acting Chief
Mobile Source Control Division

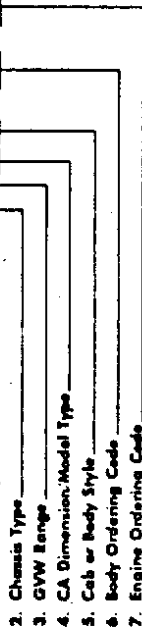
Manufacturer: GENERAL MOTORS CORPORATION

Executive Order No. A-6-177 Pg. 1

Engine (CID) 350 Exhaust Engine Family 08K4AA Evaporative Engine Families 0D4S-8

TRUCK MODEL IDENTIFICATION - Note 1.

1. C = Chevrolet; T = GMC Truck C C 10703 + E63 + LG9



- 2. Chassis Type**
 G—Forward Control 4 x 2 (Body-Frame Integrated)
 K—Conventional 4 x 4 (Four Wheel Drive)
 P—Forward Control 4 x 2 (Conventional)

- 3. GVW Range**
 1—4900 to 7300
 2—6400 to 8400
 3—9400 to 14,500
- 4. CA Dimension/Model Type**
 05—Blazer, Jimmy, Step-Van, Value Van
 07—42" Pickup, Chassis-Cab
 08—FC or Motor Home Chassis, Step-Van, Value Van
 09—56" Suburban, Chassis-Cab, Pickup Van, Vandura, Spornvan, Rally Wagon, Chassis-Cab, Step-Van, Value Van
 10—60" FC Chassis, Chevy Van, Vandura, Spornvan, Rally Wagon, Chassis-Cab, Step-Van, Value Van
 11—Motor Home Chassis
 13—Chevy Van, Vandura, Spornvan, Rally Wagon, Cutaway Van, Hi-Cube Van
 14—84"/FC or Motor Home Chassis, Chassis-Cab, Step-Van, Value Van
 16—Cutaway Van, Hi-Cube Van
 18—Motor Home Chassis

- 5. Cab or Body Style (C-K models)**
 03—Conventional Cab
 Curlew Van, Hi-Cube Van (G models)
 05—Cherry Van, Vandura
 06—Suburban/Spornvan, Panel Rear Door
 16—Blazer, Jimmy
 22—Motor Home Chassis
 42—Forward Control Chassis, Step-Van, Value Van
 43—6000 Cab Crew Cab

- 6. Body Code**
 2W—Base Body
 2S—Blazer, Jimmy w/White Top
 2S9—Blazer, Jimmy w/Black Top
 2S4—RV Cutaway Van
 E31—Hi-Cube Van (10' Steel 96" Wide)
 E32—Step-Van, Value Van (Steel)
 E33—Step-Van, Value Van (Aluminum)
 E34—Hi-Cube Van (10' Steel 87" Wide)
 E36—Hi-Cube Van (96" Wide 10' Aluminum)
 E38—Hi-Cube Van (12' Steel 96" Wide)
 E39—Hi-Cube Van (96" Wide 12' Aluminum)
 E53—Suburban (End Gate) Pickup
 E62—Stepside (Fender Side) Pickup
 E63—Stepside (Wide Side) Pickup
 E74—Rear Side Spornvan, Rally 31X

- 7. Engine Code**
 LD4—250 Six
 L25—295 Six
 LG9—302-2V8
 L59—350-4V8
 L64—400-4V8
 L78—434-4V8
 L98—350-DEE8

Eng. Code	Tune Up Label (s)	Air Cond.	Ign. Syst. EI, CA, VA DelcoRemy Distrib. Part No.	Fuel System 4V Rochester Carb. Part No.	EGR System. Valve Part No.	Trans. M=M-3. & M-4. A=A-3
37	LM	WO	1103339	17080506	17063335	A
38	LM	W	1103339	17080508	17063335	A

INDEX TO TUNE-UP LABELS - Supp. Data Sheet No. 3

Single Fuel Tank only LM

Note 1. Chevrolet models are listed. GMC Truck Div. has a complete line of matching models, not listed. For GMC models, read T instead of C as the first letter of the model code.

ABBREVIATIONS:

Ignition System

- CA - Centrifugal Advance
- EI - Electronic Ignition
- VA - Vacuum Advance
- nV - n Venturi Carburetor
- AI - Air Injection

Fuel System

- EGR - Exhaust Gas Recirculation
- OC - Oxidation Catalyst
- PAI - Pulse Air Injection

Exh. Emis.

Contr. Syst.

E.O. Bomb

AIR RESOURCES BOARD 1980 SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE-POWERED TRUCKS

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-177 Pg. 2

Light Duty Trucks Medium Duty Vehicles Engine Family 08K4AA

Engine (CID) 350 Exhaust Emission Control System AI / EGR/OC +10% (A/C) Yes No

Model Code	Body Code	Test Weight Class	Eng. Code	Transm.	Exhaust Emission Control System						Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	
					Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.							Eng. Code
CG11005		4250 4500	37 38	A A													
CG11305		4500 4750	37 38	A A													
CG11006		4750	37	A													

Comments: See page one for evaporative emission family identification and engine code descriptions. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and frontal area.

Date of issue: 081079.

Revisions: CG11006 with EC 37 was 4500 before letter ML-0C107, updated on 102780.

AIR RESOURCES BOARD 1980 SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE-POWERED TRUCKS

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-178 Pg. 3

Light Duty Trucks Medium Duty Vehicles Engine Family 08K4AA

Engine (CID) 350 Exhaust Emission Control System AI / EGR/OC +10% (A/C) Yes No

See Page 1 for:		Test Weight Class	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.		
Model Code	Body Code																	
CC10516		4750	17	A3														
		5000	1	M4														
CC10703		5500	13	M4														
		6000	31	A3														
	+E62+F44	4500	17	A3														
CC10903		4500	17	A3														
		4750	1	M4														
		5500	13	M4														
	+E62+F44	6000	31	A3														
CC10906		4750	17	A3														
		4750	17	A3														
	+E63+F44	5000	1	M4														
		5250	1	M4														
	+E55	5250	1	M4														

Comments: See page one for evaporative emission family identification and engine code descriptions. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and frontal area.

Date of issue: 081079. Revisions: Test Weight Classes updated (5 places) by RC 01-200 &/or Letter ML-0C107, on 102780.

AIR RESOURCES BOARD 1980 SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE-POWERED TRUCKS

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-178 Pg. 4

Light Duty Trucks Medium Duty Vehicles Engine Family 08K4AA

Engine (CID) 350 Exhaust Emission Control System AI / EGR/OC +10% (A/C) Yes No

See Page 1 for:		Test Weight Class	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	
Model Code	Body Code														
CC20903		5500	13	M4											
	+E62	6000	31	A3	32	A3	26	A3							
	+E63	5000	25	A3	7	M4	26	A3							
CC20906		5000			25	A3									
	+E55	5250	7	M4	34	A3									
	+E62	5500	33	A3	34	A3									
CK10703		4750	27	A3											
	+E62	5000	7	M4	27	A3	28	A3							
	+E63	5000	7	M4	7	M4	28	A3							
CK10903		5250	7	M4											
	+E62	5250	7	M4	28	A3	27	A3							
	+E63	5250	7	M4	27	A3	28	A3							
CK10516		5250	27	A3	28	A3	7	M4							
CK10906		5500	33	A3	34	A3									
		5500	33	A3											
	+E55	6000	34	A3											

Comments: See page one for evaporative emission family identification and engine code descriptions. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and frontal area.

Date of issue: 081079. Revisions: Test Weight Classes updated (7 places) by RC 01-200 &/or Letter ML-0C107, on 102780.

AIR RESOURCES BOARD 1980 SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE-POWERED TRUCKS

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-178 Pg. 5

Light Duty Trucks Medium Duty Vehicles Engine Family 08K4AA Engine (CID) 350/400 Exhaust Emission Control System AI / EGR/OC +10% (A/C) Yes No

Model Code	See Page 1 for:		Test Weight Class	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	Eng. Code	Transm.	
	Body Code															
CK20903	+E62		5500	35	A3											
	+E63		5500	35	A3											
CG21005			4500	17	A3			43	A3			44	A3			
CG21305			4750	17	A3			43	A3			44	A3			
CG21006			4750	17	A3			43	A3			43	A3			
			5000	18	A3			43	A3			43	A3			
CG21306			5250	18	A3			17	A3			43	A3			
	+E94		5250	17	A3			43	A3			43	A3			

Comments: See page one for evaporative emission family identification and engine code descriptions. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and frontal area.

Date of issue: 081079. Revisions: Test Weight Classes updated (4 places) by RC 01-200 &/or Letter ML-0C107, on 102780.

Manufacturer: General Motors Corporation

Executive Order No. A-6-177

Pg. 3

Issued: 081079

LM
5.7 LITER
08K4AA
0045-8

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION



CATALYST

TRANSMISSION	LOW ALTITUDE CERTIFICATION
AUTOMATIC	THINNING (BTC @ RPM)
F @ 500 (DR)	SPARK PLUG GAP (IN.)
B.045	IDLE SPEED SCREW (RPM) (SOLENOID INACTIVE)
500 (DR)	IDLE SPEED SOLENOID (RPM) (SOLENOID ACTIVE)
600 (DR)	FAST IDLE SPEED SCREW (RPM)
1400 (PI) OR (H)	

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.
MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN,
AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED.

1. DISTRIBUTOR: DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR.
2. IDLE SPEED SCREW: DISCONNECT ELECTRICAL LEAD FROM IDLE SOLENOID, IF EQUIPPED. ADJUST CAMBURETOR IDLE SPEED SCREW TO SPECIFIED SPEED. RECONNECT LEAD TO SOLENOID.
3. IDLE SPEED SOLENOID (IF EQUIPPED): DISCONNECT ELECTRICAL LEAD FROM AIR CONDITIONING COMPRESSOR AND TURN A/C SWITCH ON. OPEN THROTTLE MOMENTARILY TO ASSURE SOLENOID IS FULLY EXTENDED. ADJUST SOLENOID TO SPECIFIED SPEED. RECONNECT COMPRESSOR LEAD AND TURN A/C OFF.
4. FAST IDLE SPEED SCREW: WITH ENGINE OFF, PLACE THROTTLE ON HIGH STEP OF FAST IDLE CAM. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE. START ENGINE WITHOUT TOUCHING THROTTLE. ADJUST TO SPECIFIED SPEED. OPEN THROTTLE TO RELEASE FAST IDLE CAM. STOP ENGINE, UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE.

SOLENOID INACTIVE
SOLENOID ACTIVE

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