

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-321
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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1985 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
F2G2.5T5TPG9	151 (2.5)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Central Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.41	9.0	1.0
4000-5999	0.50	9.0	1.0

The following are the certification emission values for the above engine family:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.34	3.3	0.5
4000-5999	0.35	2.8	0.3

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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".

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 the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided 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 31st day of July, 1984.


K. D. Drachand, Chief
Mobile Source Division

1985 ATR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE FUELED TRUCKS
 Manufacturer: General Motors Corporation Executive Order Number A-6-321 Page 1
 Exhaust Family F2G2.5T5TP69 Evaporative Families 5A0-9
 Note: Chevrolet models listed; GMC Truck Div. has complete line of matching models, not listed. For GMC models, read T instead of C as digit one of model code.

TRUCK MODEL IDENTIFICATION CODE - See Note
 Example: CC10703

Digit 1=Division
 C=Chevrolet
 T=GMC Truck

Digit 2=Chassis Type
 C,S=Conventional 4 x 2
 K,T=Conventional 4 x 4
 (Four Wheel Drive)
 G=Forward Control 4 x 2
 (Body-Frame Integral)
 M=Van 4x2

Digit 3=Series/GVWR/Payload
 1=10/3425-7000/1000-1625
 2=20/6400-8600
 3=30/7100-14500

Digits 6&7=Cab or Body Style
 03=Conventional Cab
 05=Chevy Van/Vandura
 06=Suburban or Sportvan/
 Rally
 16=Blazer/Jimmy
 53=Extended Cab

BODY CODES

nv	= n	Venturi	Carburetor
E37	=	Utility	Body
E62	=	Stepside/Fenderside	Pickup
E63	=	Fleetside/Wideside	Pickup
ZM9	=	Chassis	Cab

ISSUED: 07-03-84 REVISIONS:

DATA

Eng. Code	CID	A/C	Electronic Control Module Part #	Fuel System Mfg: Part #	TBI System Mfg: Part #	EGR Valve System Part #	Trans. Type
1	151	W/WO	16041302	17085065	17085065	17084743	M-4
2	151	W/WO	16041312	17085065	17085065	17084743	M-4
4	151	W/WO	16046392	17085065	17085065	17084743	M-4
5	151	W/WO	16041342	17085065	17085065	17084743	M-4
6	151	W/WO	16041352	17085065	17085065	17084743	M-5
7	151	W/WO	16046402	17085065	17085065	17084743	M-5
8	151	W/WO	16046352	17085062	17085062	17084743	M-5
9	151	W/WO	16046362	17085062	17085062	17084743	M-5
10	151	W/WO	16039012	17085065	17085065	17084743	M-4

ABBREVIATIONS

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE FUELED TRUCKS
 Manufacturer: General Motors Corporation Executive Order Number A-6-321 Page 2
 Exhaust Family F2G2, 5T5TPG9 Evaporative Families 5A0-9
 Note: Chevrolet models listed; GMC Truck Div. has complete line of matching models, not listed. For GMC models, read T instead of C as digit one of model code.

TRUCK MODEL IDENTIFICATION CODE - See Note
 Example: CC10703

Digit 1=Division
 C=Chevrolet
 T=GMC Truck

Digit 2=Chassis Type
 C, S=Conventional 4 x 4
 K, J=Conventional 4 x 4
 (Four Wheel Drive)
 G=Forward Control 4 x 2
 (Body-Frame Integral)
 M=Van 4x2

Digit 3=Series/GVWR/Payload
 1=10/3425-7000/1000-1625
 2=20/6400-8600
 3=30/7100-14500

Digit 4=Dimension (Inches)
 05=30 to 35
 06=36 to 41
 07=42 to 47
 08=48 to 53
 09=54 to 59
 10=60 to 65
 11=66 to 71
 13=78 to 83

Digits 6&7=Cab or Body Style
 03=Conventional Cab
 05=Chevy Van/Vandura
 06=Suburban or Sportvan/
 Rally
 16=Blazer/Jimmy
 53=Extended Cab

DATA
 Eng. CID A/C Electronic Fuel System EGR
 Code Control Module Part # Type: TBI Mfg: Roch. Valve Part # Trans. Type

11	151	W/WO	16041392	17085062	17084743	M-4
12	151	W/WO	16041412	17085065	17084743	A-4
12A	151	W/WO	16050862	17085065	17084743	A-4
13	151	W/WO	16041422	17085065	17084743	A-4
13A	151	W/WO	16050872	17085065	17084743	A-4
14	151	W/WO	16049392	17085062	17084743	A-4
14A	151	W/WO	16041432	17085065	17084743	A-4
14A	151	W/WO	16050852	17085062	17084743	A-4
14B	151	W/WO	16051252	17085062	17084743	A-4
15	151	W/WO	16050882	17085065	17084743	A-4
15	151	W/WO	16046382	17085062	17084743	A-4
15A	151	W/WO	16041442	17085065	17084743	A-4
15A	151	W/WO	16050852	17085062	17084743	A-4
15B	151	W/WO	16051242	17085062	17084743	A-4
18	151	W/WO	16050892	17085065	17084743	M-4
18	151	W/WO	16041472	17085065	17084743	M-4
19	151	W/WO	16041402	17085062	17084743	M-4

BODY CODES

E37=Utility Body
 E62=Stepside/Fenderside Pickup
 E63=Fleetside/Wideside Pickup
 ZW9=Chassis Cab

ABBREVIATIONS

nv = n Venturi Carburetor
 A/C = Air Conditioning
 CID = Cubic Inches Displacement
 EGR = Exhaust Gas Recirculation
 AIP = Air Injection Pump

CT 1 05
 K 1 33
 1 1 5

ISSUED: 07-31-84

REVISIONS: Corrected ECM part number in engine code 14. Engine codes 14A and 15A added by RC 52-164 on 10-19-84. Engine codes 12A, 13A, 14B and 15B added by RC 52-187 on 12-06-84.

0708P/17P

AIR RESOURCES BOARD 1985 SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE-FUELED TRUCKS

Manufacturer General Motors Corporation Executive Order No. A-6-321 Page 3

(X) Light Duty Trucks () Medium Duty Vehicles Engine Family F2G2.5T5TPG9

Engine (CID) 151 Exhaust Emission Control System EGR/TWC/CL/TBI

See Page 1 for:

Model Code	Body Code	Test Weight	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	
																					Equiv.
CS10603	E63	3000	1	M-4	P7H	2	M-4	P7H	6	M-5	P7H	7	M-5	P7H							
CS10603	E63	3125	12	A-4	P7H	12A	A-4	P7H	13	A-4	P7H	13A	A-4	P7H							
CS10803	E63	3125	1	M-4	P7H	2	M-4	P7H	6	M-5	P7H	7	M-5	P7H							
CS10653	E63	3250	12	A-4	P7H	12A	A-4	P7H	13	A-4	P7H	13A	A-4	P7H							
CS10653	E63	3250	1	M-4	P7H	2	M-4	P7H	6	M-5	P7H	7	M-5	P7H							
CT10603	E63	3375	12	A-4	P7H	12A	A-4	P7H	13	A-4	P7H	13A	A-4	P7H							
CT10603	E63	3375	4	M-4	P7H	5	M-4	P7H	8	M-5	P7H	9	M-5	P7H							
CT10803	E63	3375	14	A-4	P7H	14B	A-4	P7H	15	A-4	P7H	15B	A-4	P7H							
CT10803	E63	3375	4	M-4	P7H	5	M-4	P7H	8	M-5	P7H	9	M-5	P7H							
CT10803	E63	3500	14	A-4	P7H	14B	A-4	P7H	15	A-4	P7H	15B	A-4	P7H							

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.

ISSUED: 07-03-84

REVISED: Engine codes 12A, 13A, 14B and 15B added by RC 52-187 on 12-06-84.

0708P/17P

AIR RESOURCES BOARD 1985 SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE-FUELED TRUCKS

Manufacturer General Motors Corporation Executive Order No. A-6-321 Page 4

(X) Light Duty Trucks () Medium Duty Vehicles Engine Family F2G2.5T5TPG9

Engine (CID) 151 Exhaust Emission Control System EGR/TWC/CL/TBI

See Page 1 for:

Model Code	Body Code	Equiv. Test Weight	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label
CT10653	E63	3625	4	M-4	P7H	5	M-4	P7H	8	M-5	P7H	9	M-5	P7H
			14	A-4	P7H	14B	A-4	P7H	15	A-4	P7H	15B	A-4	P7H
CS10516		3375 *	4	M-4	P7H	5	M-4	P7H	9	M-5	P7H			
CS10516		3500	12	A-4	P7H	12A	A-4	P7H	13	A-4	P7H	13A	A-4	P7H
CT10516		3625	4	M-4	P7H	5	M-4	P7H	8	M-5	P7H	9	M-5	P7H
			14	A-4	P7H	14B	A-4	P7H	15	A-4	P7H	15B	A-4	P7H
CS10803	ZW9	3875 *	18	M-4	P7H									
CMI0905		3375	8	M-5	P8M	9	M-5	P8M	10	M-4	P8M	11	M-4	P8M
			19	M-4	P8M									
CMI0905		3500	14	A-4	P8M	14A	A-4	P8M	14B	A-4	P8M	15	A-4	P8M
			15A	A-4	P8M	15B	A-4	P8M						
CMI0906		3750	8	M-5	P8M	9	M-5	P8M	11	M-4	P8M	15	A-4	P8M
			15A	A-4	P8M	15B	M-4	P8M	19	M-4	P8M			

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.

ISSUED: 07-31-84 REVISED: Engine codes 14A and 15A added by RC 52-164 on 10-19-84. Engine codes 12A, 13A, 14B and 15B added by RC 52-187 on 12-06-84.

TRUCK MODEL IDENTIFICATION CODE - See Note
 Example: CC10703

Digit 1=Division	Digit 2=Chassis Type	Eng. Code	CID	A/C	Electronic Control Module	Fuel System	TBI	EGR System	Trans. Type
C=Chevrolet	C, S=Conventional 4 x 2								
T=GMC Truck	K, T=Conventional 4 x 4 (Four Wheel Drive)								
	G=Forward Control 4 x 2 (Body-Frame Integral)								
	M=Van 4x2								
	Digits 4&5=Cab to Rear Axle Dimension (Inches)								

Digit 3=Series/GWR/Payload									
1=10/3425-7000/1000-1625	05=30 to 35	11	151	W/WO	16041392	17085062	17084743	M-4	
2=20/6400-8600	06=36 to 41	12	151	W/WO	16041412	17085065	17084743	A-4	
3=30/7100-14500	07=42 to 47	12A	151	W/WO	16050862	17085065	17084743	A-4	
	08=48 to 53	13	151	W/WO	16041422	17085065	17084743	A-4	
	09=54 to 59	13A	151	W/WO	16050872	17085065	17084743	A-4	
	10=60 to 65	14	151	W/WO	16049392	17085062	17084743	A-4	
	11=66 to 71								
	13=78 to 83								

Digits 6&7=Cab or Body Style	nv = n	Venturi	Carburetor	A/C =	Air Conditioning	CID =	Cubic Inches Displacement	EGR =	Exhaust Gas Recirculation	AIP =	Air Injection Pump
03=Conventional Cab	15A	151	W/WO	16050852	17085062	17084743	A-4				
05=Chevy Van/Vandura	15B	151	W/WO	16051242	17085062	17084743	A-4				
06=Suburban or Sportvan/Rally											
16=Blazer/Jimmy	18	151	W/WO	16041472	17085065	17084743	M-4				
53=Extended Cab	19	151	W/WO	16041402	17085062	17084743	M-4				

BODY CODES

ISSUED: 07-31-84	REVISIONS: Corrected EGM part number in engine code 14. Engine codes 14A and 15A added by RC 52-164 on 10-19-84. Engine codes 12A, 13A, 14B and 15B added by RC 52-187 on 12-06-84.
F37=Utility Body	
E62=Stepside/Fenderside Pickup	
E63=Flteetside/Wideside Pickup	
ZW9=Chassis Cab	

ABBREVIATIONS

AIR RESOURCES BOARD 1985 SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE-FUELED TRUCKS

Manufacturer General Motors Corporation Executive Order No. A-6-321 Page 3

(X) Light Duty Trucks () Medium Duty Vehicles Engine Family F262.5T5TPG9

Engine (CID) 151 Exhaust Emission Control System EGR/TWC/CL/TBI

See Page 1 for:

Model Code	Body Code	Equiv. Test Weight	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label
CS10603	E63	3000	1	M-4	P7H	2	M-4	P7H	6	M-5	P7H	7	M-5	P7H
CS10603	E63	3125	12	A-4	P7H	12A	A-4	P7H	13	A-4	P7H	13A	A-4	P7H
CS10803	E63	3125	1	M-4	P7H	2	M-4	P7H	6	M-5	P7H	7	M-5	P7H
CS10653	E63	3250	12	A-4	P7H	12A	A-4	P7H	13	A-4	P7H	13A	A-4	P7H
CT10603	E63	3375	1	M-4	P7H	2	M-4	P7H	6	M-5	P7H	7	M-5	P7H
CT10803	E63	3375	12	A-4	P7H	12A	A-4	P7H	13	A-4	P7H	13A	A-4	P7H
CT10803	E63	3375	4	M-4	P7H	5	M-4	P7H	8	M-5	P7H	9	M-5	P7H
CT10803	E63	3500	4	M-4	P7H	5	M-4	P7H	8	M-5	P7H	9	M-5	P7H
CT10803	E63	3500	14	A-4	P7H	14B	A-4	P7H	15	A-4	P7H	15B	A-4	P7H

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.

ISSUED: 07-03-84

REVISED: Engine codes 12A, 13A, 14B and 15B added by RC 52-187 on 12-06-84.

0708P/17P

AIR RESOURCES BOARD 1985 SUPPLEMENTAL DATA SHEET - GM FORMAT - GASOLINE-FUELED TRUCKS

Manufacturer General Motors Corporation Executive Order No. A-6-321 Page 4

(X) Light Duty Trucks () Medium Duty Vehicles Engine Family F2G2.5T5TPG9

Engine (CID) 151 Exhaust Emission Control System EGR/TWC/CL/TBI

See Page 1 for:

Model Code	Body Code	Equiv. Test Weight	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label	Eng. Code	Trans.	Tune-Up Label
CT10653	E63	3625	4	M-4	P7H	5	M-4	P7H	8	M-5	P7H	9	M-5	P7H
			14	A-4	P7H	14B	A-4	P7H	15	A-4	P7H	15B	A-4	P7H
CS10516		3375	4	M-4	P7H	5	M-4	P7H	9	M-5	P7H	13A	A-4	P7H
CS10516		3500	12	A-4	P7H	12A	A-4	P7H	13	A-4	P7H	9	M-5	P7H
CT10516		3625	4	M-4	P7H	5	M-4	P7H	8	M-5	P7H	9	M-5	P7H
			14	A-4	P7H	14B	A-4	P7H	15	A-4	P7H	15B	A-4	P7H
CS10803	ZW9	3875	18	M-4	P7H									
CMI0905		3375	8	M-5	P8M	9	M-5	P8M	10	M-4	P8M	11	M-4	P8M
			19	M-4	P8M									
CMI0905		3500	14	A-4	P8M	14A	A-4	P8M	14B	A-4	P8M	15	A-4	P8M
			15A	A-4	P8M	15B	A-4	P8M						
CMI0906		3750	8	M-5	P8M	9	M-5	P8M	11	M-4	P8M	15	A-4	P8M
			15A	A-4	P8M	15B	M-4	P8M	19	M-4	P8M			

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.

ISSUED: 07-31-84
 REVISED: Engine codes 14A and 15A added by RC 52-164 on 10-19-84. Engine codes 12A, 13A, 14B and 15B added by RC 52-187 on 12-06-84.