State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-376
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 1987 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light duty trucks:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
H3G2.5T5TPGX	151	(2.5)	Exhaust Gas Recirculation Three-Way Catalyst Oxygen Sensor (Electronic Fuel Injection)

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

The following are the emission standards for this engine family:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
0-3999	0.39	9.0	1.0
4000-5999	0.50	9.0	1.0

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

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.29	2.8	0.7
4000-5999	0.15	3.5	0.9

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for 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 listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) 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 regulations (Title 13, California Administrative Code, 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 1st day of August, 1986.

K. D. Drachand, Chief
Mobile Source Division

17-H3G2.5T5TPGX-1A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: General Motors Corporation

Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX

Evaporative Family: 7BO-3A

Engine Liters (CID) - Type: 2.5 (151) - I-4

ABBREVIATIONS:

Ignition System
- CA-Centrifugal Advance
- EEC-Electronic Engine Control
- EI-Electronic Ignition
- ESAC-Electronic Spark Advance Control
- VA-Vacuum Advance
- VR-Vacuum Retard
- ECU-Electronic Control Unit

Fuel System
- [illegible]I, CL, DID, DIP, EFI, MFI
- nV-nVenturi Carburetor

GM Abbreviations
- A/C-Air Conditioning
- FC-Forward Control
- HD-Heavy Duty
- CID-Cubic Inch Displacement
- TBI-Throttle Body Injection
- RWD-Rear Wheel Drive
- 4x2-Two Wheel Drive
- 4x4-Four Wheel Drive
- 6x4-Four Wheel Drive

Exhaust Emission Cont System
- AIP-Air Injection Pump
- AIV-Air Injection Valve
- CL-Closed Loop
- EGR-Exhaust Gas Recirculation
- EM-Engine Modification
- OC-Oxidation Catalyst System
- SPL-Smoke Puff Limiter or Throttle Delay
- TOC-Trap Oxidizer, Continual
- TOP-Trap Oxidizer, Periodical
- TR-Thermal Reactor
- TWC-Three-Way Catalyst System

Special Features
- CCV-Combustion Chamber Valve
- CFI-Central Fuel Injection
- DID-Diesel Injection-Direct
- DIP-Diesel Injection-Prechamber
- EFI-Electronic Fuel Injection
- IC-Intercooler/Aftercooler
- MFI-Mechanical Fuel Injection
- TC-Turbocharger

Engine: Front (all Vehicles)

Drive: See Chassis Type (Page 2), all 4x2 vehicles are RWD.

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17-H3G2.5T5TPGX-2A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: General Motors Corporation
Engine Family: H3G2.5T5TPGX
Engine Liters (CID) - Type: 2.5 (151) - I-4

Executive Order No.: A-6-376
Evaporative Family: 7BO-3A

VEHICLE MODELS:

C C 1 0 7 0 3 + E 6 3 (EXAMPLE)

Digit 1
Selling Division

C-Chevrolet
T-GMC Truck

Digit 2
Chassis Type

C-Conventional 4x2
G-Forward Control 4x2 (Body Frame Integral)
K-Conventional 4x4
M-Forward Control 4x2 (Body Frame Integral)
Forward Control 4x2 (Conventional)
R-Conventional 4x2
S-S10/15 4x2
T-S10/15 4x4
V-Conventional 4x4

Digit 3
Series/GVWR Range

1-3400 to 7300 lbs
2-6400 to 8600 lbs
3-7400 to 14500 lbs

Digits 4 & 5
CA Dimension/Model Type

05-Blazer/Jimmy, Step-Van/Value Van
06-S10/15
07-42"/Pickup, Chassis-Cab
08-FC or Motor Home Chassis, Step-Van/Value Van
09-56"/Suburban, Chassis-Cab, Pickup
10-60" FC Chassis, Chevy Van/Vandura, Sportvan/Rally, Chassis-Cab, Step-Van/Value Van
11-Motor Home Chassis
13-Chevy Van/Vandura, Sportvan/Rally, Cutaway Van/Vandura Special, Hi-Cube Van/Magnavan
14-84"/FC or Motor Home, Chassis, Chassis-Cab, Step-Van/Value Van
16-Cutaway Van/Vandura Special, Hi-Cube Van/Magnavan
18-Motor Home Chassis

Digits 6 & 7
Cab or Body Style

03-Conventional Cab (S10/15, C-K, R-V Models)
-Cutaway Van/Vandura Special, Hi-Cube Van/Magnavan (G Models)
05-Chevy Van/Vandura
06-Suburban/Sportvan/Rally with Panel Rear Doors
16-Blazer/Jimmy
32-Motor Home Chassis
42-Forward Control Chassis, Step-Van/Value Van
43-Bonus Cab, Crew Cab
53-Extended Cab (S10/15 Models)

Digits 8, 9 & 10
Body Ordering Code

ZW9-Base Body
C6P-HD Chassis; 8600 lb GVWR
C7C-HD Chassis; 10500 lb GVWR
C7E-HD Chassis; 11000 lb GVWR
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 82" Wide)
E36-Hi-Cube Van/Magnavan (10'Aluminum)
E37-Utility Box (Aluminum)
E38-Hi-Cube Van/Magnavan (12' Steel)
E39-Hi-Cube Van/Magnavan (12' Aluminum)
E62-Stepside/Fenderside Pickup
E63-Fleetwide/Wideside Pickup

ISSUED: 06-26-86 REV. NO.: 001
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0095S/10S

17-H3G2.5T5TPGX-3A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
9	CS10603+E63	A-3	3000	16067041	17087134	17087252	25056885
	CS10803+E63		3125				
	CS10653+E63						
	CS10516		3375				
10	CS10603+E63	A-3	3000	16067041	17087134	17087252	25056885
	CS10803+E63		3125				
	CS10653+E63						
	CS10516		3500				
11	CS10603+E63	A-4	3000	16066371	17087134	17087252	25056885
	CS10803+E63		3125				
	CS10653+E63						
	CS10516		3375				
12	CS10603+E63	A-4	3000	16066371	17087134	17087252	25056885
	CS10803+E63		3125				
	CS10653+E63		3250				
	CS10516		3500				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 06-26-86 REV. NO.: 001
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17-H3G2.5T5TPGX-3.1A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
9A	CS10603+E63	A-3	3000	16067041	17087282	17087252	25056885
	CS10803+E63		3125				
	CS10653+E63						
	CS10516		3375				
10A	CS10603+E63	A-3	3000	16067041	17087282	17087252	25056885
	CS10803+E63		3125				
	CS10653+E63						
	CS10516		3500				
11A	CS10603+E63	A-4	3000	16070181	17087282	17087252	25056885
	CS10803+E63		3125				
	CS10653+E63						
	CS10516		3375				
12A	CS10603+E63	A-4	3000	16070181	17087282	17087252	25056885
	CS10803+E63		3125				
	CS10653+E63		3250				
	CS10516		3500				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001 REV. NO.: 002
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17-H3G2.5T5TPGX-4A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
13	CT10603+E63	A-4	3500	16066381	17087134	17087252	25056885
	CT10803+E63						
	CT10653+E63		3625				
	CT10516						
14	CT10603+E63	A-4	3500	16066381	17087134	17087252	25056885
	CT10803+E63		3625				
	CT10653+E63		3750				
	CT10516						
15	CM10905	A-4	3625	16069571	17087135	17087252	25056846
16	CM10905	A-4	3625	16069571	17087135	17087252	25056846
19	CS10603+E63	M4	3000	16066331	17087134	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3375				
	CT10603+E63						
	CT10803+E63						
	CT10653+E63		3500				
	CT10516		3625				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 06-26-86 REV. NO.: 001
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17-H3G2.5T5TPGX-4.1A

(For CARB Use Only)

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AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
13A	CT10603+E63	A-4	3500	16071411	17087282	17087252	25056885
	CT10803+E63						
	CT10653+E63		3625				
	CT10516						
14A	CT10603+E63	A-4	3500	16071411	17087282	17087252	25056885
	CT10803+E63		3625				
	CT10653+E63		3750				
	CT10516						
15A	CM10905	A-4	3625	16069571	17087283	17087252	25056846
16A	CM10905	A-4	3625	16069571	17087283	17087252	25056846
19A	CS10603+E63	M4	3000	16070141	17087282	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3375				
	CT10603+E63						
	CT10803+E63						
	CT10653+E63		3500				
	CT10516		3625				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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17-H3G2.5T5TPGX-5A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
20	CS10603+E63	M4	3000	16066331	17087134	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3375				
	CT10603+E63						
	CT10803+E63		3500				
	CT10653+E63						
	CT10516		3625				
	CM10905	M4	3500	16066321	17087135	17084743	25056846
24	CM10905	M4	3500	16066321	17087135	17084743	25056846
27	CS10603+E63	M5	3000	16066341	17087134	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3375				
	CT10603+E63						
	CT10803+E63						
	CT10653+E63		3500				
	CT10516		3625				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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17-H3G2.5T5TPGX-5.1A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
20A	CS10603+E63	M4	3000	16070141	17087282	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3375				
	CT10603+E63						
	CT10803+E63		3500				
	CT10653+E63						
	CT10516		3625				
2[illegible]	CM10905	M4	3500	16070131	17087283	17084743	25056846
24A	CM10905	M4	3500	16070131	17087283	17084743	25056846
27A	CS10603+E63	M5	3000	16070151	17087282	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3375				
	CT10603+E63						
	CT10803+E63						
	CT10653+E63		3500				
	CT10516		3625				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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17-H3G2.5T5TPGX-6A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
28	CS10603+E63	M5	3000	16066341	17087134	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3375				
	CT10603+E63		3500				
	CT10803+E63						
	CT10653+E63		3625				
	CT10516		3625				
29	CM10905	M5	3500	16066351	17087135	17084743	25056846
30	CM10905	M5	3500	16066351	17087135	17084743	25056846

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 06-26-86 REV. NO.: 001
002
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17-H3G2.5T5TPGX-6.1A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
28A	CS10603+E63	M5	3000	16070151	17087282	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3375				
	CT10603+E63		3500				
	CT10803+E63						
	CT10653+E63		3625				
	CT10516						
[illegible]A	CM10905	M5	3500	16070161	17087283	17084743	25056846
30A	CM10905	M5	3500	16070161	17087283	17084743	25056846

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001 REV. NO.: 002
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17-H3G2.5T5TPGX-6.1A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES ____ GAS X DIESEL ____

Manufacturer: General Motors Corporation Executive Order No.: A-6-376

Engine Family: H3G2.5T5TPGX Exhaust Emission Control System: EGR/TWC/CL (CFI)

Liter (CID): 2.5 (151) Engine Type: I-4

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
28A	CS10603+E63	M5	3000	16070151	17087282	17084743	25056885
	CS10803+E63						
	CS10653+E63		3125				
	CS10516		3500				
	CT10603+E63						
	CT10803+E63						
	CT10653+E63		3625				
	CT10516		3750				
29A	CM10905	M5	3500	16070161	17087283	17084743	25056846
30A	CM10905	M5	3500	16070161	17087283	17084743	25056846

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001 REV. NO.: 002

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