

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-540-B  
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 1992 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: N3G2.5T5TEG3 Displacement: 2.5 Liters (151 Cu. In.)

Exhaust Emission Control Systems and Special Features:

Three-Way Catalyst  
Oxygen Sensor  
Exhaust Gas Recirculation  
Throttle Body 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:

<u>Loaded Vehicle</u> <u>Weight(lbs.)</u>	<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0-3750	0.39	9.0	0.7

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

<u>Loaded Vehicle</u> <u>Weight(lbs.)</u>	<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0-3750	0.13	4.2	0.3

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Code of Regulations 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 vehicle manufacturer is certifying to the optional NOx standard based on actual sales of 1991 model-year California-certified light-duty trucks in the 0-3750 pound loaded vehicle weight class.

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 Code of Regulations, 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 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" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

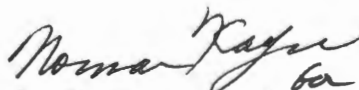
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 (California Health and Safety Code Section 43205).

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 27<sup>th</sup> day of February, 1991.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

(FOR CARB USE ONLY)

16.03.00.00

EXECUTIVE ORDER INFORMATION

ENGINE FAMILY..... N3G2.5T5TEG3

EVAPORATIVE FAMILY..... NBO-3A

CARLINES TO BE COVERED:

CARLINE NAME

CARLINE CODE

S10 P/U 2WD  
SONOMA P/U 2WD

55082  
80072

ISSUED:

16-N3G2.5T5TEG3-2

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

C = Chevrolet  
T = GMC  
H = Oldsmobile

Pattern B

1 = Chevrolet  
2 = Pontiac  
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, R, S, M = Conventional 4x2 Rear Wheel Drive  
G = Forward Control 4x2 Rear Wheel Drive  
K, V, T, L = Conventional 4x4 Four Wheel Drive, All Wheel Drive

Digit 3 = Series/GVWR

Pattern A

1 = 10,15,1500/3500-7300  
2 = 20,25,2500/6400-8600  
3 = 30,35,3500/7100-14500

Pattern B

Letter code designates trim level rather than series/GVWR.

Digits 4 & 5

Pattern A = Dimensional Grouping

05 = Blazer, Jimmy, Bravada  
06 = S/T Short Box  
07 = C/K Short Box  
08 = S/T Long Box & Cab-Chassis  
09 = C/K Long Box, R/V Suburban,  
M/L Short Body  
10 = G Short Wheelbase, M/L Long Body  
13 = G Long Wheelbase

Pattern B

05 = Cargo (APV)  
06 = Passenger (Lumina APV, Trans Sport, Silhouette)

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  
53 = Extended Cab

Pickup Body Codes (Optional, Used with Pattern A Only)

+E62 = Stepside, Fenderside  
+E63 = Fleetside, Wideside  
+ZW9 = Cab-Chassis

ISSUED: 01-29-91  
(ML-NP146)

REVISED:

17-N3G2.5T5TEG3-1  
(1992)

(FOR CARB USE ONLY)

E.O. #A-6-540-*B*

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: N3G2.5T5TEG3

PASSENGER CARS\_\_\_ LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES\_\_\_ FUEL TYPE: GAS

ENGINE TYPE: L4 LITER (CID): 2.5 (151) EVAP FAMILY: NB0-3A

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR/TWC/O2S/TBI

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

CERTIFICATION STANDARDS: 0.39 NMHC, 9.0 CO, 0.7 NOx RLHP: SEE ATTACHMENT I

ENG CODE	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.
1	S10603+E63 S10803+E63 S10653+E63	A4	3125  3250	16156681/AWRJ	17084743	25104939
2	S10603+E63 S10803+E63 S10653+E63		3125 3250			

ISSUED: 01-29-91  
(ML-NP146)

REVISED: ML-NP172

17-N3G2.5T5TEG3-2  
(1992)

**ATTACHMENT I**  
**TEST HORSEPOWER VALUES**  
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Body Style	Test Weight Classes	50mph Road Load Hp	without.AC Coast Dyno Down Hp Time	with..AC. Coast Dyno Down Hp Time	CD, CA or FA ..
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CHEVROLET S10 PICKUP 2WD (CS10603+E63,CS10653+E63,CS10803+E63)  
 GMC S15 PICKUP 2WD (TS10603+E63,TS10653+E63,TS10803+E63)

w/P(195or205)/75R14 w/auto trans	3125-3500	15.47	10.6 13.99	11.6 13.14	CA
w/P(195or205)/75R14 w/auto trans	0-3000	15.07	10.6 12.45	11.6 11.56	CA
w/P(195or205)/75R14 w/man. trans	3125-3500	14.25	10.6 15.19	11.6 14.15	CA
w/P(195or205)/75R14 w/man. trans	0-3000	13.85	10.6 13.44	11.6 12.50	CA
w/P215/65R15s	3500 Only	15.47	11.1 14.00	12.2 13.00	CA
w/P215/65R15s	0-3375	14.40	10.4 14.52	11.4 13.56	CA

CHEVROLET ASTRO (CM10905,CM11005,CM10906,CM11006)  
 GMC SAFARI (TM10905,TM11005,TM10906,TM11006)

w/(P195 & P205)/75R15 ALS	4000-4250	16.84	12.7 15.63	14.0 14.60	CD
w/(P195 & P205)/75R15 ALS	0-3875	15.49	12.0 15.46	13.3 14.39	CD
w/P245/60HR15 ALS	0-4250	19.38	13.1 13.60	14.4 12.72	CD