

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-541  
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: N3G3.1T5XAT9 Displacement: 3.1 Liters (191 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 Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751-5750	0.50	9.0	1.0

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

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751-5750	0.20	3.5	0.1

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.

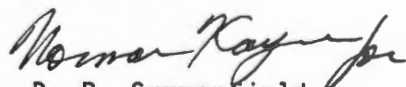
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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..... N3G3.1T5XAT9

EVAPORATIVE FAMILY..... NBO-3D

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
APV 2WD	55095
TRANS SPORT 2WD	89210
SILHOUETTE 2WD	92510

ISSUED: 02-07-91  
(ML-NP158)

16-N3G3.1T5XAT9-2

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: 02-07-91  
(ML-NP158)

REVISED:

17-N3G3.1T5XAT9-1  
(1992)

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: N3G3.1T5XAT9

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

ENGINE TYPE: V6 LITER (CID): 3.1 (191) EVAP FAMILY: NBO-3D

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

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

CERTIFICATION STANDARDS: .50 HC, 1.0 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.
2	1UM05 1UM06 2UM06 3UM06	A3	3750 4000	16142521/ASYK	17089009	25104033  (MS 481)
2A				16168721/AZAW		

ISSUED: 02-07-91  
(ML-NP158)

REVISED: ML-NR046

17-N3G3.1T5XAT9-2  
(1992)

# ATTACHMENT I

## DYNAMOMETER HORSEPOWERS AND TIMES

### 1992 MODEL YEAR LIGHT DUTY TRUCKS

Body Style	Test Weight Classes	50mph .w/o AC Factor..			.with AC Factor.			.....Highest Volume Tire.....				
		Road Load	Dyno Down	Upper	Dyno Down	Upper	(NOT OFFICIAL).....Tire					
		Hp	Hp	Time Limit	Hp	Time Limit	Drive Axle	Belt	TPC	Disc	Ltr	
		*****	*****	*****	*****	*****	Tire Size	Fabric Mfg	No.	Code	No	Flag

\*\*\*\*\* S TRUCK (AWD & 4WD)(continued) \*\*\*\*\*

CHEVROLET S10 PICKUP (CT10603+E63,CT10653+E63,CT10803+E63)  
 GMC SONOMA PICKUP (TT10603+E63,TT10653+E63,TT10803+E63)

Carlone Codes: 55037  
 80027

man. tran & UNI P235/75R15 OOR	4000 Only	18.36	12.0	13.44	14.38	13.2	12.62	13.50	P235/75R15	OOR STEEL	UNI 2306	028
man. tran & UNI P235/75R15 OOR	3875 Only	18.18	11.9	13.15	14.07	13.1	12.34	13.20	P235/75R15	OOR STEEL	UNI 2306	028
man. tran & UNI P235/75R15 OOR	0-3750	18.03	11.8	12.84	13.73	13.0	12.05	12.89	P235/75R15	OOR STEEL	UNI 2306	028
LOWER TWC	3625		11.8	12.41	13.28	13.0	11.65	12.46				

\*\*\*\*\* U VAN (FWD) \*\*\*\*\*

CHEVROLET APV CARGO (1UM05)

Carlone Codes: 55095

A3 tran & GEN P205/70R15 ALS	3750 Only	13.53	8.5	17.04	18.23	9.4	16.03	17.15	P205/70R15	ALS STEEL	GEN 1072MS	021
A3 tran & GEN P205/70R15 ALS	0-3625	13.51	8.5	16.50	17.65	9.4	15.53	16.61	P205/70R15	ALS STEEL	GEN 1072MS	021
LOWER TWC	3500		8.5	15.93	17.04	9.4	14.99	16.04				

CHEVROLET LUMINA APV (1UM06)  
 PONTIAC TRANS SPORT (2UM06)  
 OLDSMOBILE SILHOUETTE (3UM06)

Carlone Codes: 55095  
 89210  
 92510

A3 tran & GEN P205/70R15 ALS	4250 Only	13.93	8.8	18.72	20.03	9.8	17.62	18.85	P205/70R15	ALS STEEL	GEN 1072MS	021
A3 tran & GEN P205/70R15 ALS	0-4000	13.81	8.8	17.79	19.03	9.8	16.73	17.90	P205/70R15	ALS STEEL	GEN 1072MS	021
LOWER TWC	3875		8.8	17.23	18.44	9.6	16.21	17.34				
LOWER TWC	3750		8.8	16.68	17.84	9.6	15.68	16.78				
A3 tran & GEN P205/70R15 AL2	4250 Only	14.90	8.1	17.51	18.73	8.9	16.61	17.77	P205/70R15	AL2 STEEL	GEN 1098MS	021
A3 tran & GEN P205/70R15 AL2	0-4000	14.64	8.1	16.78	17.95	8.9	15.90	17.01	P205/70R15	AL2 STEEL	GEN 1098MS	021
LOWER TWC	3875		8.1	16.26	17.39	8.9	15.40	16.48				
LOWER TWC	3750		8.1	15.73	16.83	8.9	14.91	15.94				