

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-537-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 passenger cars:

Engine Family: N2G4.9W8XTA7 Displacement: 4.9 Liters (297 Cu. In.)

Exhaust Emission Control Systems and Special Features:

Three-Way Catalyst  
Oxygen Sensor  
Exhaust Gas Recirculation  
Sequential Multipoint 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>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>
0.39	7.0	0.7

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

<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>
0.13	2.0	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 passenger cars.

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 6<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..... N2G4.9WBXTA7

EVAPORATIVE FAMILY..... NBO-2B

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
SEVILLE	10005
DEVILLE	10010
ELDORADO	10020

ISSUED: 01-10-91  
(ML-NP114)

16-N2G4.9WBXTA7-2

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
GASOLINE-FUELED PASSENGER CARS

VEHICLE MODELS: 1 J C 3 7 (EXAMPLE)

Digit 1 - Selling Division

- 1 - Chevrolet
- 2 - Pontiac
- 3 - Oldsmobile
- 4 - Buick
- 6 - Cadillac
- 8 - Saturn

Digit 2 - Body Designation

- A - 6000, Cutlass Ciera, Cutlass Cruiser, Century
- B - Caprice, Custom Cruiser, Roadmaster Wagon, Coachbuilder Wagon, Roadmaster
- C - Ninety-Eight, Touring, Park Avenue, DeVille, Fleetwood, Commercial Chassis
- D - Brougham
- E - Toronado, Riviera, Eldorado, Reatta, Trofeo
- F - Camaro, Firebird, Trans Am
- H - Bonneville, Eighty-Eight, LeSabre
- J - Cavalier, Sunbird
- K - Seville
- L - Corsica, Beretta
- N - Grand Am, Achieva, Skylark
- T - Lemans
- V - Allante
- W - Grand Prix, Regal, Cutlass Supreme, Lumina
- Y - Corvette
- Z - Saturn Coupe/Sedan

Digit 3 - Trim Level

B, C, D, E, F, G, H, J, K, M, N, L, P, R, S, T, U, V, W, X, Y, Z

Digits 4 & 5 - Body Style

- |                            |                            |
|----------------------------|----------------------------|
| 07 - 2Dr Sport Coupe       | 57 - 2Dr Hardtop Coupe     |
| 08 - 2Dr Hatchback Coupe   | 67 - 2Dr Convertible Coupe |
| 19 - 4Dr Sedan             | 68 - 4Dr Hatchback Sedan   |
| 27 - 2Dr (Notchback Coupe) | 69 - 4Dr (Notchback) Sedan |
| 35 - 4Dr Station Wagon     | 87 - 2Dr Hatchback Coupe   |
| 37 - 2Dr Hardtop Coupe     | 90 - Commercial Chassis    |
| 47 - 2Dr Hardtop Coupe     | 97 - 2Dr Hardtop Coupe     |

ISSUED: 01-10-91  
(ML-NP114)

REVISED:

17-N2G4.9W8XTA7-4  
(1992)

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: N2G4.9W8XTA7  
 PASSENGER CARS X LIGHT DUTY TRUCKS\_\_\_ MEDIUM DUTY VEHICLES\_\_\_ FUEL TYPE: GAS  
 ENGINE TYPE: V8 LITER (CID): 4.9 (297) EVAP FAMILY: NBO-2B  
 EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-SMPI  
 ENGINE: FRONT X MID\_\_\_ REAR\_\_\_ DRIVE: FWD X RWD\_\_\_ 4WD-FT\_\_\_ 4WD-PT\_\_\_  
 CERTIFICATION STANDARDS: 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.	TLC*
2,2A	6CG69 6CB69	A4	4000	16158766/AWYF	17091120	25130601	KDL
2B				16164826/AYFU			
2C				16169056/AZCW			
2D				16170536/AZPX			
4,4A	6EL57 6KS69 6KY69			16158696/AWXX	17091121	25128124	
4B				16164766/AYFM			
4C				16169006/AZCP			
5,5A	6CT69			16164066/AYBR	17091120	25130601	
5B				16164856/AYFY			
5C				16169076/AZCY			

\* Tune-up label codes are found in the upper left hand corner of the tune-up label. Vehicles with "KDL" on the label conform to 0.39 g/mi NMHC, 7.0 g/mi CO and 0.7 g/mi NOx.

ISSUED: 01-10-91  
(ML-NP114)

REVISED: ML-NR006, NR012, NR043, NP322, NR071

17-N2G4.9W8XTA7-5  
(1992)

## 1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: N2G4.9W8XTA7

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

ENGINE TYPE: V8 LITER (CID): 4.9 (297) EVAP FAMILY: NBO-2B

EMISSION CONTROL SYSTEM &amp; SPECIAL FEATURES: EGR-TWC-02S-SMPI

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

CERTIFICATION STANDARDS: 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.	TLC*
2,2A	6CG69 6CB69	A4	4000	16158766/AWYF	17091120	25120601	KDL
2B				16164826/AYFU			
2C				16169056/AZCW			
3,4A	6EL57 6KS69 6KY69			16158696/AWXX	17091121	25128124	
4B				16164766/AYFM			
5,5A	6CT69			16164066/AYBR	17091120	25120601	
5B				16164856/AYFY			

\* Tune-up label codes are found in the upper left hand corner of the tune-up label. Vehicles with "KDL" on the label conform to 0.39 g/mi NMHC, 7.0 g/mi CO and 0.7 g/mi NOx.

ISSUED: 01-10-91  
(ML-NP114)

REVISED: ML-NR006, NR012, NR043

17-N2G4.9W8XTA7-5  
(1992)

LAST UPDATED : 01/10/91

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DATE : 01/11/91

DYNAMOMETER HORSEPOWERS AND TIMES

1992 MODEL YEAR PASSENGER CARS

Body Style	Test Weight Classes	30mph Road Lead Mp	.w/o AC Factor..			.with AC Factor.			.....Highest Volume Tire..... (NOT OFFICIAL).....Tire	Drive Axle Tire Size	Belt Fabric Mfg	TPC Disc No. Code	Ltr No Flag
			.....Coast.....	Dyno Down	Upper	.....Coast.....	Dyno Down	Upper					

\*\*\*\*\* C BODY (FWD)(continued) \*\*\*\*\*

OLDSMOBILE TOURING SEDAN (3CV69)

Carline Codes: 29035

auto trans & ODY P225/60R16 AL2	0-4000	13.22	5.1	18.60	19.90	5.6	17.91	19.16	P225/60R16 AL2	STEEL	ODY 1089MS	S	005
LOWER TWC	3875		5.1	18.02	19.28	5.6	17.35	18.56					
LOWER TWC	3730		5.1	17.44	18.65	5.6	16.77	17.96					

BUICK PARK AVENUE SEDAN (4CVU69)

Carline Codes: 08040

auto trans & NIC P205/70R15 ALB	4000 Only	12.74	6.3	19.31	20.66	6.9	18.34	19.62	P205/70R15 ALB	STEEL	NIC 1072MS	R	003
auto trans & NIC P205/70R15 ALB	0-3875	12.61	6.3	18.99	20.31	6.9	17.96	19.21	P205/70R15 ALB	STEEL	NIC 1072MS	R	003
LOWER TWC	3730		6.3	18.38	19.66	6.9	17.38	18.59					
auto trans & ODY P205/60R16 AL2	4000 Only	14.19	6.0	17.33	18.54	6.6	16.63	17.79	P215/60R16 AL2	STEEL	ODY 1088MS	S	003
auto trans & ODY P215/60R16 AL2	0-3875	14.02	6.0	17.00	18.19	6.6	16.31	17.45	P215/60R16 AL2	STEEL	ODY 1088MS	S	003
LOWER TWC	3730		6.0	16.45	17.60	6.6	15.78	16.88					

CADILLAC COUPE DEVILLE (6CD47) & SEDAN DEVILLE (6CD69)  
 CADILLAC FLEETWOOD COUPE (6CB47) & FLEETWOOD SEDAN (6CB69)  
 CADILLAC FLEETWOOD SIXTY SPECIAL (6C069)

Carline Codes: 10010  
 10010  
 10010

auto trans & NIC P205/70R15 ALB	4250 Only	13.67	6.4	19.10	20.43	7.0	18.25	19.52	P205/70R15 ALB	STEEL	NIC 1072MS	R	003H
auto trans & NIC P205/70R15 ALB	4000 Only	13.41	6.3	18.34	19.62	6.9	17.52	18.74	P205/70R15 ALB	STEEL	NIC 1072MS	R	003H
auto trans & NIC P205/70R15 ALB	0-3875	13.31	6.3	17.91	19.16	6.9	17.10	18.29	P205/70R15 ALB	STEEL	NIC 1072MS	R	003H
LOWER TWC	3730		6.3	17.33	18.54	6.9	16.95	17.70					

LAST UPDATED : 01/10/91

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DATE : 01/11/91

DYNAMOMETER HORSEPOWERS AND TIMES

1992 MODEL YEAR PASSENGER CARS

Body Style	Test Weight Classes	30mph .w/o AC Factor..		.with AC Factor.			.....Highest Veloms Tire.....		.....(NOT OFFICIAL).....Tire						
		Road Load	Dyno	Down	Upper	Dyno	Down	Upper	Drive Axle	Belt	TPC	Disc	Ltr		
		Hp	Hp	Time	Limit	Hp	Time	Limit	Tire Size	Fabric	Wtg	No.	Code	No	Flag

\*\*\*\* C BODY (FWD)(continued) \*\*\*\*

CADILLAC SEDAN DEVILLE (6CD69) with RPO RIP (heavy duty chassis)

Carline Codes: 10010

auto trans & UNI P215/75R15 ALS 0-4000 13.31 6.9 18.48 19.77 7.1 17.62 18.85 P215/75R15 ALS STEEL UNI 1034MS S 003H

CADILLAC COMMERCIAL CHASSIS (6CT90)

Carline Codes: 93010

auto trans & MIC P205/70R15 ALS 0-4900 14.14 6.9 19.34 20.90 7.5 18.63 19.93 P205/70R15 ALS STEEL MIC 1072MS R 003H

\*\*\*\* D BODY (RWD) \*\*\*\*

CADILLAC BROUGHAM SEDAN (6DM69)

Carline Codes: 10025

auto trans & UNI P225/75R15 ALS 4500 Only 15.14 10.0 18.36 19.64 11.0 17.22 18.42 P225/75R15 ALS STEEL UNI 1033MS R 003B  
 auto trans & UNI P225/75R15 ALS 0-4290 14.97 10.0 17.96 18.78 11.0 16.46 17.61 P225/75R15 ALS STEEL UNI 1033MS R 003D  
 LOWER TMC 4000 10.0 16.93 17.68 11.0 15.49 16.57  
 LOWER TMC 3875 10.0 16.01 17.13 11.0 15.01 16.09

\*\*\*\* E BODY (FWD) \*\*\*\*

OLDSMOBILE TORONADO COUPE (3E257)

Carline Codes: 29040

A4 tran & GDY P215/65R15 95B AL2 0-3875 12.42 5.2 19.21 20.85 5.7 18.44 19.73 P215/65R15 AL2 STEEL GDY 1083MS R 003E  
 LOWER TMC 3750 5.2 18.99 19.89 5.7 17.85 19.09  
 LOWER TMC 3625 5.2 17.97 19.22 5.7 17.25 18.45  
 A4 tran & GDY P215/65R15 95U AL3 0-3875 13.50 5.0 17.67 18.90 5.5 17.04 18.23 P215/65R15 AL3 ST/WYL GDY 1042MS S 003E  
 LOWER TMC 3750 5.0 17.10 18.29 5.5 16.49 17.64  
 LOWER TMC 3625 5.0 16.93 17.68 5.5 15.94 17.05