

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-537-A
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	0.4

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>
0.16	2.5	0.2

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.

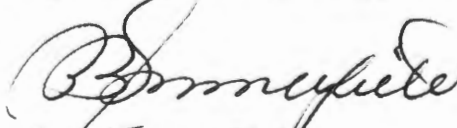
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 6th 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-N2G4.9WBXTA7-1
(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: 0.4 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*
1,1A	6CB47 6CD47 6CD69 6CB69	A4	3875 4000	16158736/AWYB	17091120	25130601	KDM
1B				16164796/AYFR			
1C				16169036/AZCT			
3,3A	6EL57 6KS69 6KY69		4000	16146326/ATSD	17091121	25128124	
3B				16164746/AYFK			
3C				16168996/AZCN			

* Tune-up label codes are found in the upper left hand corner of the tune-up label. Vehicles with "KDM" on the label conform to 0.39 g/mi NMHC, 7.0 g/mi CO and 0.4 g/mi NOx.

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

REVISED: ML-NR006, NR012, NP322, NR063, NR071

17-N2G4.9W8XTA7-2
(1992)

DYNAMOMETER HORSEPOWERS AND TIMES

1992 MODEL YEAR PASSENGER CARS

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

***** 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	003
LOWER TWC	3875		5.1	18.02	19.28	5.6	17.33	18.56						
LOWER TWC	3750		5.1	17.44	18.65	5.6	16.79	17.96						

BUICK PARK AVENUE SEDAN (4CV69)

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	3750			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	3750			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	18.29	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	3750			6.3	17.33	18.54	6.9	16.59	17.70						

DYNAMOMETER HORSEPOWERS AND TIMES

1992 MODEL YEAR PASSENGER CARS

Body Style	Test Height Classes	30mph .w/o AC Factor..		.with AC Factor.	Highest Volume Tire.....	(NOT OFFICIAL).....Tire							
		Lead	Dyno	Down	Upper	Dyno	Down	Upper	Drive Axle	Bolt	TPC	Disc	Ltr		
		Hp	Hp	Time	Limit	Hp	Time	Limit	Tire Size	Fabric	Mfg	No.	Code	No	Flag
***** C BODY (FWD)(continued) *****															
CADILLAC SEDAN DEVILLE (4CD49) with RPD RIP (heavy duty chassis)										Carline Codes: 10010					
auto trans & UNI P215/75R15 ALS	0-4000	13.31	4.5	18.48	19.77	7.1	17.62	18.85	P215/75R15 ALS	STEEL	UNI	1034WB	S	003H	
CADILLAC COMMERCIAL CHASSIS (4CZ90)										Carline Codes: 53010					
auto trans & NIC P205/70R15 ALS	0-4900	14.14	4.9	19.54	20.90	7.5	18.63	19.93	P205/70R15 ALS	STEEL	NIC	1072WB	R	003H	
***** D BODY (RWD) *****															
CADILLAC BROUGHAM SEDAN (4DM49)										Carline Codes: 10025					
auto trans & UNI P225/75R15 ALS	4900 Only	15.14	10.0	18.36	19.64	11.0	17.22	18.42	P225/75R15 ALS	STEEL	UNI	1033WB	R	003B	
auto trans & UNI P225/75R15 ALS	0-4290	14.77	10.0	17.36	18.78	11.0	16.46	17.61	P225/75R15 ALS	STEEL	UNI	1035WB	R	003D	
LOWER TWC	4000		10.0	16.53	17.68	11.0	15.49	16.57							
LOWER TWC	3875		10.0	16.01	17.15	11.0	15.01	16.05							
***** 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	20.95	5.7	18.44	19.73	P215/65R15 AL2	STEEL	GDY	1083WB	R	003E	
LOWER TWC	3750		5.2	18.59	19.89	5.7	17.85	19.09							
LOWER TWC	3625		5.2	17.97	19.22	5.7	17.25	18.49							
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	1042WB	S	003E	
LOWER TWC	3750		5.0	17.10	18.29	5.5	16.49	17.64							
LOWER TWC	3625		5.0	16.53	17.68	5.5	15.94	17.05							