

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-533
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: N1G5.7VANTA9 Displacement: 5.0 Liters (305 Cu. In.)

Exhaust Emission Control Systems and Special Features:

- Three-Way Catalyst with Oxidation Catalyst
- Oxygen Sensor
- Secondary Air Injection
- 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>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>
0.17	2.1	0.4

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.

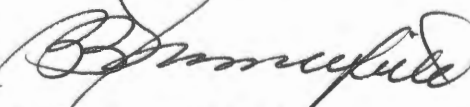
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 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..... N1G5.7VANTA9

EVAPORATIVE FAMILY..... NBO-1A

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
CAMARO	12025
FIREBIRD/TRANS AM	33020

ISSUED: 12-06-90
(ML-NP090)

16-N1G5.7VANTA9-2

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: 12-06-90
(ML-NP090)

REVISED:

17-N1G5.7VANTA9-1
(1992)

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: N1G5.7VANTA9

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS

ENGINE TYPE: V8 LITER (CID): 5.0 (305) EVAP FAMILY: NBO-1A

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR-EGR-TWC+OC-02S-MPI

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD___ RWD X 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.
51	1FP87 1FP67 2FS87 2FW87 2FS67 2FW67	A	3750	16127491/ANTS	17088125	25100541
51A				16161091/AXKS		
53	1FP87 1FP67 2FS87 2FW87 2FS67 2FW67	M	3625 3750	16132221/APTX		
53A				1616111/AXKU		

ISSUED: 12-06-90
(ML-NP090)

REVISED: ML-NR004

17-N1G5.7VANTA9-2
(1992)

LAST UPDATED : 11/29/90

DATE : 11/30/90

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.....				
		Road Load Hp	Dyno Hp	Coast Down Time	Coast Upper Limit	Dyno Down Time	Coast Upper Limit	Drive Axle Tire Size	Belt Fabric	(NOT OFFICIAL) TPC No.	Disc Code	Tire Ltr No	Flag	

***** F BODY (RWD) *****

CHEVROLET CAMARO CONVERTIBLE (1FP67)

Carline Codes: 12025

BFG P215/65R15 AL2	0-3875	12.01	6.9	19.89	21.28	7.6	18.81	20.12	P215/65R15	AL2	STEEL	BFG	1083MS	003F
LOWER TWC	3750		6.9	19.25	20.59	7.6	18.20	19.47						
LOWER TWC	3625		6.9	18.61	19.90	7.6	17.60	18.82						
LOWER TWC	3500		6.9	17.97	19.22	7.6	16.99	18.17						
GDY P245/50ZR16 HW4	0-3875	13.37	7.4	17.98	19.23	8.2	17.04	18.23	P245/50ZR16	HW4	ST/NYL	GDY	1078	003F
LOWER TWC	3750		7.4	17.40	18.61	8.2	16.49	17.64						
LOWER TWC	3625		7.4	16.02	17.99	8.2	15.94	17.05						
GDY P235/55R16 AL2	0-3875	12.32	7.1	19.38	20.73	7.8	18.33	19.61	P235/55R16	AL2	STEEL	GDY	1091MS	003F
LOWER TWC	3750		7.1	18.75	20.06	7.8	17.74	18.98						
LOWER TWC	3625		7.1	18.13	19.39	7.8	17.15	18.34						
LOWER TWC	3500		7.1	17.50	18.72	7.8	16.56	17.71						

PONTIAC FIREBIRD CONVERTIBLE (2FS67)

Carline Codes: 33020

BFG P215/65R15 AL2	0-3875	12.01	6.9	19.89	21.28	7.6	18.81	20.12	P215/65R15	AL2	STEEL	BFG	1083MS	003F
LOWER TWC	3750		6.9	19.25	20.59	7.6	18.20	19.47						
LOWER TWC	3625		6.9	18.61	19.90	7.6	17.60	18.82						
LOWER TWC	3500		6.9	17.97	19.22	7.6	16.99	18.17						

PONTIAC TRANS AM CONVERTIBLE (2FW67)

Carline Codes: 33020

GDY P245/50ZR16 HW4	0-3875	13.37	7.4	17.98	19.23	8.2	17.04	18.23	P245/50ZR16	HW4	ST/NYL	GDY	1078	003F
LOWER TWC	3750		7.4	17.40	18.61	8.2	16.49	17.64						
LOWER TWC	3625		7.4	16.82	17.99	8.2	15.94	17.05						
GDY P215/60R16 AL2	0-3875	12.90	7.3	18.52	19.81	8.0	17.53	18.75	P215/60R16	AL2	STEEL	GDY	1088MS	003F
LOWER TWC	3750		7.3	17.92	19.17	8.0	16.96	18.15						
LOWER TWC	3625		7.3	17.33	18.53	8.0	16.40	17.54						
LOWER TWC	3500		7.3	16.73	17.89	8.0	15.83	16.94						

ATTACHMENT I

DYNAMOMETER HORSEPOWERS AND TIMES

1992 MODEL YEAR PASSENGER CARS

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

***** F BODY (RWD)(continued) *****

CHEVROLET CAMARO COUPE (1FP87)

Carlisle Codes: 12025

BFG P215/65R15 AL2	3875 Only	11.57	6.6	20.64	22.08	7.2	19.54	20.90	P215/65R15	AL2	STEEL	BFG 1083MS	003F
BFG P215/65R15 AL2	3625-3750	11.39	6.6	20.30	21.72	7.2	19.19	20.53	P215/65R15	AL2	STEEL	BFG 1083MS	003F
LOWER TWC	3625		6.6	19.62	20.99	7.2	18.55	19.84					
BFG P215/65R15 AL2	0-3500	11.10	6.6	19.47	20.83	7.2	18.40	19.68	P215/65R15	AL2	STEEL	BFG 1083MS	003F
LOWER TWC	3375		6.6	18.77	20.08	7.2	17.74	18.98					
GDY P245/50ZR16 HW4	3875 Only	12.93	7.0	18.59	19.89	7.7	17.64	18.87	P245/50ZR16	HW4	ST/NYL	GDY 1078	003F
GDY P245/50ZR16 HW4	0-3750	12.87	7.0	18.09	19.35	7.7	17.17	18.37	P245/50ZR16	HW4	ST/NYL	GDY 1078	003F
LOWER TWC	3625		7.0	17.49	18.71	7.7	16.60	17.75					
LOWER TWC	3500		7.0	16.88	18.06	7.7	16.03	17.14					
LOWER TWC	3375		7.0	16.28	17.42	7.7	15.45	16.53					
GDY P235/55R16 AL2	3875 Only	11.89	6.7	20.09	21.49	7.3	19.02	20.35	P235/55R16	AL2	STEEL	GDY 1091MS	003F
GDY P235/55R16 AL2	0-3750	11.72	6.7	19.74	21.12	7.3	18.67	19.97	P235/55R16	AL2	STEEL	GDY 1091MS	003F
LOWER TWC	3625		6.7	19.08	20.41	7.3	18.05	19.31					

PONTIAC FIREBIRD (2FS87)

Carlisle Codes: 33020

BFG P215/65R15 AL2	3875 Only	11.57	6.6	20.64	22.08	7.2	19.54	20.90	P215/65R15	AL2	STEEL	BFG 1083MS	003F
BFG P215/65R15 AL2	3625-3750	11.39	6.6	20.30	21.72	7.2	19.19	20.53	P215/65R15	AL2	STEEL	BFG 1083MS	003F
LOWER TWC	3625		6.6	19.62	20.99	7.2	18.55	19.84					
BFG P215/65R15 AL2	0-3500	11.10	6.6	19.47	20.83	7.2	18.40	19.68	P215/65R15	AL2	STEEL	BFG 1083MS	003F
LOWER TWC	3375		6.6	18.77	20.08	7.2	17.74	18.98					

LAST UPDATED : 11/29/90

DATE : 11/30/90

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.....(NOT OFFICIAL).....Tire					
		Road Load	Coast	Coast	Dyno Down	Upper	Dyno Down	Upper	Drive Axle	Belt	TPC	Disc	Ltr
		Hp	Hp	Time	Limit	Hp	Time	Limit	Tire Size	Fabric	Mfg No.	Code	No Flaw

***** F BODY (RWD)(continued) *****

PONTIAC TRANS AM (2FW87)

Carline Codes: 33020

GDY P245/50ZR16 HW4	3875 Only	12.93	7.0	18.59	19.89	7.7	17.64	18.87	P245/50ZR16 HW4	ST/NYL	GDY 1078		003F
GDY P245/50ZR16 HW4	0-3750	12.87	7.0	18.09	19.35	7.7	17.17	18.37	P245/50ZR16 HW4	ST/NYL	GDY 1078		003F
LOWER TWC	3625		7.0	17.49	18.71	7.7	16.60	17.75					
LOWER TWC	3500		7.0	16.88	18.06	7.7	16.03	17.14					
LOWER TWC	3375		7.0	16.28	17.42	7.7	15.45	16.53					