

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER P-6-52
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 federally certified exhaust emission control systems are certified for sale in California as described below for gasoline-powered passenger cars:

Engine Family: N1G5.7VANTA9 Displacement: 5.0 Liters (305 Cu.In.)
5.7 Liters (350 Cu.In.)

Exhaust Emission Control Systems and Special Features:

- Three-Way Catalyst with Oxidation Catalyst
- Dual Three-Way Catalysts with Oxidation Catalysts
(engine codes 9 through 13, 16, 22 and 24, and their derivatives)
- Oxygen Sensor
- Secondary Air Injection
- Exhaust Gas Recirculation
- 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>
0.41	3.4	1.0

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>
0.25	2.1	0.9

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 "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided evidence of federal certification of vehicle models listed in the attachments which are not available as California-certified models.


BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate that the vehicle manufacturer has sufficient emissions credits for its estimated California sales of federally certified 1992 model-year vehicles using the "Guidelines for Certification of 1983 and Subsequent Model-Year Federally Certified Light-Duty Motor Vehicles for Sale in California" (Title 13, California Code of Regulations, Section 1960.5).

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 regulations (Title 13, California Code of Regulations, Section 2035 and 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 27th day of February, 1991.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY

OFFSET

CERTIFICATE INFORMATION

16.03.00.00

ENGINE FAMILY..... N1G5.7VANTA9

EVAPORATIVE FAMILY..... NBO-1A

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
CAMARO	12025
FIREBIRD/TRANS AM	33020

ISSUED: 02-11-91
(ML-NP170)

16-N1G5.7VANTA9-3

(FOR CARB USE ONLY)

E.O. #P-6-52

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: FEDERAL (AB965) 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.
41	1FP87 1FP67	A	3750 3875	16163061/AXXB	17090106	25100541
44				16163091/AXXF		
42	2FS87 2FW87 2FS67 2FW67		3750 3875	16163061/AXXB		
43				16163091/AXXF		
5A	1FP87 1FP67	M	3625 3750	16163071/AXXC		
6A	1FP87			16163271/AXYC		

ISSUED: 02-11-91
(ML-NP170)

REVISED:

17-N1G5.7VANTA9-2.1
(1992)

(FOR CARB USE ONLY)

E.O. #P-6-52

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: N80-1A

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: FEDERAL (AB965) 1.0 NOx RLHP: SEE ATTACHMENT I

<u>ENG CODE</u>	<u>VEH MODELS (SEE PAGE 1)</u>	<u>TRANS TYPE:</u> A-AUTO M-MAN	<u>EQUIV TEST WEIGHT</u>	<u>IGN SYSTEM (PCME/PROM) PART NO.</u>	<u>EGR SYSTEM PART NO.</u>	<u>CATALYST PART NO.</u>
7A	2FS87 2FW87 2FS67 2FW67	M	3750	16163071/AXXC	17090104	25100541
14A				16163081/AXXD		
8A	2FS87 2FW87			16163271/AXYC		
15A	1FP87 1FP67		3625 3750	16163081/AXXD		

ISSUED: 02-11-91
(ML-NP170)

REVISED:

17-N1G5.7VANTA9-2.2
(1992)

(FOR CARB USE ONLY)

E.O. #P-6-52

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-O2S-MPI

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

CERTIFICATION STANDARDS: FEDERAL (AB965) 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.
9A	1FP87 1FP67	M	3625	16163071/AXXC	17090104	25103415, 25103417
10A	1FP87			16163271/AXYC	17090105	
12A	2FS87 2FW87					
11A	2FS87 2FW87 2FS67 2FW67			16163071/AXXC	17090104	
13A				16163081/AXXD		
16A	1FP87 1FP67		3625 3750			

ISSUED: 02-11-91
(ML-NP170)

REVISED:

17-N1G5.7VANTA9-2.3
(1992)

(FOR CARB USE ONLY)

E.O. #P-6-52

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): 5.7 (350) EVAP FAMILY: NBO-1A

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR-EGR-TWC+OC-O2S-MPI

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

CERTIFICATION STANDARDS: FEDERAL (AB965) 1.0 NOx RLHP: SEE ATTACHMENT I

<u>ENG CODE</u>	<u>VEH MODELS (SEE PAGE 1)</u>	<u>TRANS TYPE:</u> A-AUTO M-MAN	<u>EQUIV TEST WEIGHT</u>	<u>IGN SYSTEM (PCME/PROM) PART NO.</u>	<u>EGR SYSTEM PART NO.</u>	<u>CATALYST PART NO.</u>
21	1FP87	A	3750	16150571/AUJP	17090107	25100541
23	2FS87 2FW87					
22	1FP87					25103415, 25103417
24	2FS87 2FW87					

ISSUED: 02-11-91
(ML-NP170)

REVISED:

17-N1G5.7VANTA9-2.4
(1992)

LAST UPDATED : 11/29/90

DATE : 11/30/90

DYNAMOMETER HORSEPOWERS AND TIMES

1992 MODEL YEAR PASSENGER CARS

Test	Weight	Classes	50mph Road Load	w/o AC Factor		with AC Factor		Drive Axle	TPC	Disc	Tire
				Dyno Down	Upper	Dyno Down	Upper	Time	Size	Mfg No.	Code
				Limit	Limit	Limit	Limit	Time			
Body Style											

***** 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 107B	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 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 (2FM67)

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 107B	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					

LAST UPDATED , 11/29/90

DATE : 11/30/90

DYNAMOMETER HORSEPOWERS AND TIMES

1992 MODEL YEAR PASSENGER CARS

Body Style	Test Weight Classes	50mph Road Load Hp	w/o AC Factor Dyno Hp	Coast Down Time	with AC Factor Dyno Hp	Coast Down Time	AC Factor	Upper Limit	Upper Limit	Drive Axle Tire Size	Drive Axle Tire Size	Highest Volume Tire (NOT OFFICIAL)	Belt Fabric Mfg No.	TPC Code	Disc Code	Lttr No	Flag
***** F BODY (RWD)(continued) *****																	
CHEVROLET CAMARO COUPE (1FP87)																	
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/NVL	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/NVL	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									

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

CHEVROLET CAMARO COUPE (1FP87)

Body Style	Test Weight Classes	50mph Road Load Hp	w/o AC Factor Dyno Hp	Coast Down Time	with AC Factor Dyno Hp	Coast Down Time	AC Factor	Upper Limit	Upper Limit	Drive Axle Tire Size	Drive Axle Tire Size	Highest Volume Tire (NOT OFFICIAL)	Belt Fabric Mfg No.	TPC Code	Disc Code	Lttr No	Flag
***** F BODY (RWD)(continued) *****																	
PONTIAC FIREBIRD (2FS87)																	
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/NVL	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/NVL	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)

Body Style	Test Weight Classes	50mph Road Load Hp	w/o AC Factor Dyno Hp	Coast Down Time	with AC Factor Dyno Hp	Coast Down Time	AC Factor	Upper Limit	Upper Limit	Drive Axle Tire Size	Drive Axle Tire Size	Highest Volume Tire (NOT OFFICIAL)	Belt Fabric Mfg No.	TPC Code	Disc Code	Lttr No	Flag
***** F BODY (RWD)(continued) *****																	
PONTIAC FIREBIRD (2FS87)																	
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

D Y N A M O M E T E R H O R S E P O W E R S A N D T I M E S

1992 MODEL YEAR PASSENGER CARS

Body Style	Test Weight Classes	50mph		w/o AC Factor		with AC Factor		Highest Volume Tire		Tire Disc Ltr	
		Road Load	Hp	Dyno Down	Upper Limit	Dyno Down	Upper Limit	Coast	Drive Axle		Bel
***** F BODY (RWD)(continued) *****											
PONTIAC TRANS AM (2FW87)											
G DY P245/50ZR16 HM4	3875 Only	12.93	7.0	18.59	19.89	7.7	17.64	18.87	P245/50ZR16 HM4	ST/NVL GDY 1078	003F
G DY P245/50ZR16 HM4	0-3750	12.87	7.0	18.09	19.35	7.7	17.17	18.37	P245/50ZR16 HM4	ST/NVL 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			

Carline Codes: 33020