State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-571-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 1993 model General Motors Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: P1G3.4W8XGZX Displacement: 3.1 Liters (191 Cubic Inches)
3.4 Liters (208 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation
Three Way Catalytic Converter
Oxygen Sensor
Multiport Fuel Injection (3.1-Liter Engines)
Sequential Multiport Fuel Injection (3.4-Liter Engines)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.39	7.0	0.4

The certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.31	4.6	0.2

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the 50,000-mile non-methane hydrocarbons and carbon monoxide standards based on its projected total sales of 1993 model California-certified passenger cars and light-duty trucks.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "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, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 "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 regulations (Title 13, California Code of Regulations, Section 2035 et seq.).

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 23rd day of June, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

E.O. #A-6-571A

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 - Cutlass Ciera, Cutlass Cruiser, Century, Century Wagon
B - Caprice, Custom Cruiser, Roadmaster Wagon, Coachbuilder Wagon, Roadmaster, Caprice Wagon
C - Ninety-Eight, Park Avenue, DeVille, Fleetwood, Commercial Chassis, Coachbuilder Special
D - Brougham, Limousine, Funeral Coach/Hearse
E - Toronado, Riviera, Eldorado, Trofeo
F - Camaro, Firebird, Trans Am
H - Bonneville, Eighty-Eight, LeSabre
J - Cavalier, Sunbird, Cavalier Wagon
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

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

ISSUED: 04-30-92 (ML-PP287) REVISED:

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E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: PBO-1L

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-MFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
68	1WL27	A	3500	16149011	17090077,	25104596
	1WL69		3625		17091144,	
	1WN27				17091147	
	1WN69					
	2WJ37		3500			
	2WP37		3625			
	2WJ19					
	2WH19					
	2WT19		3750			
	3WH47		3500			
	3WH69		3625			
	3WR47					
	3WR69		3750			
	3WT67		4000			
	4WB57		3500			
	4WD57					
	4WD19		3625			
	4WB19					
68A				16190311		

ISSUED: 04-20-92 REVISED: ML-PR135
(ML-PP287)

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E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: PBO-1L

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-MFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
72	1LV37	A	3250	16176221,	17090077,	25104588,
	1LW37			16176241,	17091144,	25128819,
	1LZ37			16176261	17091147	25104590,
	1LT69		3250			25104592,
	1JC37		3000			25104600
	1JC69		3125			
	1JC35					
	1JF37					
	2JB37		3000			
	2JB67		3250			
	1JC67					
	1JF67					
	2JB69		3125			
	2JC69					
	2JD37					
	2JC37		3000			
72A				16190151,		
				16190131,		
				16190251		

ISSUED: 04-20-92 REVISED: ML-PR038, PR135
(ML-PP287)

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E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS_X_ LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: PBO-1L

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD_X_ RWD___ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-MFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
74	1LV37	M	3250	16169841	17090077,	25104588,
	1LW37				17091144,	25128819,
	1LZ37				17091147	25104590,
	1JC37		3000			25104592,
	1JC69					
	1JF37		3125			25104600
	2JB37					
	2JB67		3250			
	1JC67					
	1JF67					
	2JB69		3000			
	2JC69					
	2JD37		3125			
	2JC37		3000			
74A				16181451		
74B				16193211		

ISSUED: 06-30-92 (ML-PR038) REVISED: ML-PR087, PR135

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E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.4 (191) EVAP FAMILY: PBO-1L

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD___ RWD X 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-SFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
95	1FP87 2FS87 1FP67	A	3625 3750	16139781, 16186951, 16190521	17090077, 17091144, 17091147	25131046
95C				16194271		
95D				16197831		
95E				16198881		

SUED: 04-30-92 (ML-PP287) REVISED: ML-PR095, PR121, PR144, PR156, PR162

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E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: PBO-1L

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-MFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
74	1LV37	M	3250	16169841	17090077,	25104588,
	1LW37				17091144,	25128819,
	1LZ37				17091147	25104590,
	1JC37		3000			25104592,
	1JC69					
	1JF37		3125			25104600
	2JB37					
	2JB67		3250			
	1JC67					
	1JF67					
	2JB69		3000			
	2JC69					
	2JD37		3125			
	2JC37		3000			
74A				16181451		

ISSUED: 06-30-92 REVISED: ML-PR087
(ML-PR038)

(FOR CARB USE ONLY)

E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.4 (191) EVAP FAMILY: PBO-1L

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD___ RWD X 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-SFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
95	1FP87 2FS87 1FP67	A	3625 3750	16139781, 16186951, 16190521	17090077, 17091144, 17091147	25131046

ISSUED: 04-30-92 (ML-PP287) REVISED: ML-PR095, PR121