State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-431-1
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 1989 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
K1G2.5V5TPG5	2.5 (151)	Exhaust Gas Recirculation Three-Way Catalyst Oxygen Sensor (Central Fuel Injection) On-Board Diagnostics (Exempted)

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

The following are the emission standards for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.41	7.0	0.4

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.27	2.8	0.3

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

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, 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 Administrative Code, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order supercedes Executive Order A-6-431 issued on February 16, 1988.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 17th day of November, 1988.

K. D. Drachand, Chief
Mobile Source Division

17-K1G2.5V5TPG5- 3A

(For CARB Use Only)

(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ GAS X DIESEL___

Liters (CID): 2.5 (151) Type: I4 Executive Order No. A-6-431 -1

NOx Std: 0.4

ENG CODE	VEH MODELS **	TRANS TYPE	ETW	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (CFI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.	TLC*
3	3NF27 3NT27	A3	2875	16082011	17088083	17084743	25101504	DAU
	4NJ27 4NM27 2NE27 3NF69 3NT69 2NE69		3000					
	4ND69 4NC69		3125					
3A				16125961				
5	2PE37		3000	16082031	17088084		25101512	DAP
6	2PE37							
7	2WP37 2WJ37 2WK37 3WH47 3WS47 4WJ57 4WB57 4WD57		3375	16056502	17089073		25102755	DAS

*TUNE UP LABEL CODES ARE FOUND IN THE UPPER LEFT HAND CORNER OF THE TUNE UP LABEL. VEHICLES CERTIFIED TO 0.4 gm/mi NOx STD. ARE EQUIPPED WITH LABELS SPECIFYING TLC'S OF EITHER "DAP", "DAS", OR "DAU". VEHICLES CERTIFIED TO 0.7 gm/mi NOx STD. ARE EQUIPPED WITH LABELS SPECIFYING A TLC "DAM"

ISSUED: 01-26-88 REV. NO.: 003
004

** 0179V/10V

NOTE: "A" MODEL (-A---) VEHICLES HAVE BEEN DELETED. SEE E/O NO. A-6-431-A

17-K1G2.5V5TPG5- 4A

(For CARB Use Only)

(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ GAS X DIESEL___

Liters (CID): 2.5 (151) Type: I4 Executive Order No. A-6-431 -1

NOx Std: 0.4

ENG CODE	** VEH MODELS	TRANS TYPE	ETW	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (CFI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.	TLC*
10	2NE27 3NF27 3NT27	M5	2875	16082021	17088083	17084743	25101504	DAU
	2NE69 3NF69 3NT69		3000					
10A				16125971				
12	2PE37			16082041	17088084		25101512	DAP
13	2PE37		2875					

*TUNE UP LABEL CODES ARE FOUND IN THE UPPER LEFT HAND CORNER OF THE TUNE UP LABEL. VEHICLES CERTIFIED TO 0.4 gm/mi NOx STD. ARE EQUIPPED WITH LABELS SPECIFYING TLC'S OF EITHER "DAP", "DAS", OR "DAU". VEHICLES CERTIFIED TO 0.7 gm/mi NOx STD. ARE EQUIPPED WITH LABELS SPECIFYING A TLC "DAM"

ISSUED: 01-26-88 REV. NO.: 002
003
004

0179V/10V

** NOTE: "A" MODELS (-A---) HAVE BEEN DELETED. SEE E/O NO. A-6-431-A