State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-456
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 exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
K3G4.3X5XEB9	4.3 (262)	Exhaust Gas Recirculation Three-Way Catalyst Oxygen Sensor (Central Fuel Injection) (On-Board Diagnostics)

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

The following are the emission standards for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0-3750	0.39	9.0	0.4
3751-5750	0.50	9.0	1.0

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

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0-3750	0.25	5.2	0.1
3751-5750	0.31	7.8	0.1

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 also comply with 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.

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

This executive order hereby rescinds executive order A-6-443 issued March 9, 1988.

Executed at El Monte, California this 22nd day of July, 1988.

K. D. Drachand, Chief
Mobile Source Division

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(For CARB Use Only)

(1989)

SUPPLEMENTAL DATA AND CERTIFICATION REVIEW SHEETS

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17-K3G4.3X5XEB9-4A	06-15-88	Certification Review Sheet

NOTES:

(1) See page one for abbreviations and family information.

(2) Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment.

(3) If two test weights are listed, the lower weight will be used for testing.

(4) Letter derivative codes are the same as corresponding numeric codes except as indicated.

17-K3G4.3X5XEB9-3A

(For CARB Use Only)

(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS___ LIGHT DUTY TRUCKS_X_ MEDIUM DUTY VEHICLES___ GAS_X_ DIESEL___

Liters (CID): 4.3 (262) Type: V6 Executive Order No. A-6-456

ENG CODE	VEH MODELS	TRANS TYPE	ETW	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (CFI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
21	T10603+E63	A4	3750	16125551	17089018	17088109	25101432,
	T10803+E63		3875				25104269
	T10653+E63		4000				
	T10516						
22	S10516		3750				
	T10603+E63		3875				
	T10803+E63						
	T10653+E63		4000				
	T10516						
	S10603+E63		3375	16129851			
	S10803+E63						
	S10653+E63		3500				
	S10516		3625				
24	S10603+E63		3375				
	S10803+E63						
	S10653+E63		3500				

ISSUED: 06-15-88 REV. NO.: 002

PW014-4

17-K3G4.3X5XEB9-3.1A

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(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS___ LIGHT DUTY TRUCKS_X_ MEDIUM DUTY VEHICLES___ GAS_X_ DIESEL___

Liters (CID): 4.3 (262) Type: V6 Executive Order No. A-6-456

NOx Standard: 1.0 (g/mi)

ENG CODE	VEH MODELS	TRANS TYPE	ETW	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (CFI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
21	T10603+E63	A4	3750	16125551	17089018	17088109	25101432,
	T10803+E63		3875				25104269
	T10653+E63		4000				
	T10516						
22	S10516 (with AC)		3750				
	T10603+E63		3875				
	T10803+E63						
	T10653+E63		4000				
	T10516						

ISSUED: 001 REV. NO.: 001 (ML KPZ86)

0261V

17-K3G4.3X5XEB9-3.2A

(For CARB Use Only)

(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS___ LIGHT DUTY TRUCKS_X_ MEDIUM DUTY VEHICLES___ GAS_X_ DIESEL___

Liters (CID): 4.3 (262) Type: V6 Executive Order No. A-6-456

NOx Standard: 0.4 (g/mi)

ENG CODE	VEH MODELS	TRANS TYPE	ETW	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (CFI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
23	S10603+E63		3375	16129851	17089018	17088109	25101432, 25104269
	S10803+E63						
	S10653+E63		3500				
	S10516 (without AC)		3625				
24	S10603+E63		3375				
	S10803+E63						
	S10653+E63		3500				

ISSUED: 001 REV. NO.: 002

PW014-4