DENNIS' E/O BOOK

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-478
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 1990 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: L3G3.1X5XAT5 Displacement: 3.1 Liters (191 Inches^3)

Equipped With the Following Exhaust Emission Control Systems:

Exhaust Gas Recirculation
Oxygen Sensor
Three-way Catalyst
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:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
3750-5750	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)
3750-5750	0.15	2.1	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".

SUPERSEDED

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 Tune-Up Label Specifications" (Title 13, California Code of Regulations, 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 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 of 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 1st day of February, 1989.

K. D. Drachand, Chief
Mobile Source Division

SUPERSEDED

(FOR CARB USE ONLY)

E.O. # A-6-478

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: L3G3.1X5XAT5

PASSENGER CARS___ LIGHT DUTY TRUCKS_X_ MEDIUM DUTY VEHICLES___ GAS_X_ DIESEL___

ENGINE TYPE: V6 LITER (CID): 3.1 (191) EVAP FAMILY: LBO-3B

EMISSION CONTROL SYSTEM: EGR/TWC/O2S (OBD, TBI)

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

CERTIFICATION STANDARDS: .50 HC, 1.0 NOx DPA: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1A)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECU/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1	1UM05 1UM06 2UM06 3UM06	A3	3750 3875	16081261/ AKBL	17089009	25104033 (MS 481)
2	1UM05 1UM06 2UM06 3UM06		3750 3875			

SUPERSEDED

ISSUED: 12-19-88 REV. NO.: 001