

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-305-3
Relating to Certification of New Motor Vehicles

AMERICAN LIMOUSINE MANUFACTURING, INC.

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 American Limousine Manufacturing, Inc. exhaust emission control systems are certified as described below for passenger cars (limousines based on Ford Motor Company Lincoln Town Car):

Fuel Type: Gasoline

Engine Family: PZ64.6V5FDC3 Displacement: 4.6 Liters (280 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Exhaust Gas Recirculation
- Dual Three Way Catalytic Converters (Two)
- Dual Heated Oxygen Sensors
- Sequential Multiport Fuel Injection

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:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.39	7.0	0.7

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

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.20	2.8	0.4

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2290).

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Code of Regulations which includes recall liability up to 7 years or 75,000 miles for emission control components if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard for passenger cars with a loaded vehicle weight over 5,250 pounds (Title 13, California Code of Regulations, Section 1960.1.5(a)(1)(C)).

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the 50,000-mile hydrocarbon and carbon monoxide standards pursuant to Section 1960.1(e)(1)(B), Title 13, California Code of Regulations (passenger cars produced by a small-volume manufacturer).

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." for the aforementioned model year (Title 13, California Code of Regulations, Section 1968).

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 (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 1/29 day of January, 1993.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

Manufacturer American Limousine Manufacturing Engine Family PZ64.6V5FDC3

Passenger Car X (PC) Light-Duty Truck (T1/T2) Medium-Duty Vehicle (M1/M2/M3/M4/M5)

Stds Type: Tier 0 (Tier- 0/1, AB965, TLEV, LEV, ULEV) Veh. Type (FFV, HEV(type A/B/C)): N/A

Fuel Type: Unleaded Evaporative Family: HM

Engine Config. V8 Liter (CID) 4.6 (280)

Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) EGR/TWC/2HO2S/SFI
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Part No.
318SR10A	ALM Lincoln St. Tropez 68"	A4	5500	17.9	F3VF-12A650- ACB	FIAE- 9D475-AD	F3VC-5E21- AA
	ALM Lincoln St. Tropez 90"						

Certification Standards:

NMHC: 0.39
CO : 7.0
Nox : 0.7
Evap: 2.0

Idle HC/CO Standards
Idle HC 220ppm @ 2500rpm
100ppm @ idle
Idle CO 1.2% @ 2500rpm
1.0% @ idle

Engine Family: PZ64.6V5FDC3