

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-37-5
Relating to Certification of New Motor Vehicles

LOTUS CARS LIMITED

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Lotus Cars Ltd. exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 907
Engine: 120.5 CID
Transmission: 4 and 5-Speed Manual
Exhaust Emission Control Systems: Engine Modifications, Air Injection, Oxidation Catalyst

Models: Esprit
Elite
Eclat (Sprint)

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
907	.40	4.0	1.5

BE IT FURTHER RESOLVED: That this certification is contingent upon Lotus Cars Ltd. affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Lotus Cars Ltd. listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

LOTUS CARS LIMITED

EXECUTIVE ORDER A-37-5
(Page 2 of 2)

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

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 13 day of January, 1977.



G. C. Hass, Chief
Vehicle Emissions Control Division

SUPERSEDED

Passenger Cars Light-Duty TrucksManufacturer Lotus Cars Ltd.Executive Order No. A-37-5Page 1Engine Family 907Engine (CID) 120.5

Engine

Code M,P,N & ADEmission Control System EM, AI, OC+10%(A/C) Yes No

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor	Fuel System	EGR System	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
			Type: C,V Mfgr. Lucas Part Number	Type: 2-1V Mfgr Zenith Part Number	Part No. Service*	
Esprit	M5	2500	41634A	3807R 3807L	N/A	Settings to be checked with transmission in Neutral, and all engine ancillaries fitted. (1) 8° BTDC Static 0° TDC at idle retard operative. (2) 3.5-4.5% Hot, before catalyst, air off. (3) 950-1000 RPM
Elite*	M5	2750	41634A	3807R 3807L		
Eclat*	M5	2750	41634A	3807R 3807L		
Eclat*	M4	2750	41634A	3807R 3807L		
Comments						
Date of Issue						

Abbreviations

Distributor

C-Centrifugal Advance

V-Vacuum Advance

R-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

Fuel System

EFI, FI

nV-nVenturi Carburetor

VV-Variable Venturi

Exhaust Emission Control System

AI-Air Injection

CAI-Catalyst Air Injection

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance
Control

FI-Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TR-Thermal Reactor

TWC-Three Way Catalyst

λ-Air Fuel Ratio Sensor

*ServiceI-Inspect, repair/replace
as needed

R-Replace