

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.

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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SUPERSEDED

Manufacturer Lotus Cars Ltd.      Executive Order No. A-37-5      Page 1

Engine Family 907      Engine (CID) 120.5      Engine Code M,P,N & AD

Emission 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
			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	(1) Basic Timing (2) Idle Mixture (3) Idle Speed  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
- Vacuum Advance
- 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

\*Service  
 I-Inspect, repair/replace as needed  
 R-Replace