

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-37-23  
Relating to Certification of New Motor Vehicles

LOTUS CARS LIMITED

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 Lotus Cars Limited exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: PLT1.6V5FM10    Displacement: 1.6 Liters (97 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Warm Up Three-Way Catalytic Converter
- Three Way Catalytic Converter
- Heated Oxygen Sensor
- Multiport Fuel Injection
- Turbocharger
- Charged Air Cooler
- Exhaust Gas Recirculation

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>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.41	7.0	0.4

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

<u>Miles</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.19	1.8	0.2

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the 50,000-mile total hydrocarbons 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 "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 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, 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" (Title 13, California Code of Regulations, 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 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 regulations (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 24<sup>th</sup> day of September, 1992.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

PLT1.6V5FM10

50-State

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer: Lotus Cars Ltd

Engine Family: PLT1.6V5FM10

Passenger Car  (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)):    

Fuel Type: Gasoline

Evaporative Family: LT5

Engine Config. L4

Liter (CID) 1.6 (96.89)

Engine: Front  Mid.     Rear    

Drive: FWD  RWD     4WD-FT     4WD-PT    

Exhaust ECS & Special Features (incl. CARB, MFI, etc.)

WUTWC, TWC, H2OS, MFI, TC, CAC, EGR.

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.
California (50-State)	Lotus Elan	M5	2750	6.1	ECH L0900084	Valve 8944607470 8970286790	L0880071