State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-220-27
Relating to Certification of New Motor Vehicles

JAGUAR CARS LTD

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 Jaguar Motors Ltd exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LJR4.0V5FPK3 Displacement: 4.0 Liters (243 Inches^3)
Equipped with the following exhaust emission control systems:

Heated Oxygen Sensor
Warm Up Three Way Catalysts (2)
Three-Way Catalysts (2)
Exhaust Gas Recirculation
Secondary Air Injection
On-Board Diagnostic System

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the exhaust emission standards for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.39	7.0	0.4

The following are the certification exhaust emission values for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.25	2.2	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".

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 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 provisions (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 20th day of September, 1989.

K. D. Drachand, Chief
Mobile Source Division

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1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer Jaguar Cars Ltd Engine Family LJR4.0V5FPK3

Pass Cars X Lt-Duty Trucks ___ Med-Duty Vehicles ___ Gas X Diesel ___

Engine Type L6 Liter (CID) 4.0 (243) Evaporative Family XJFI

Emission Control Sys. (Use SAE Abbrv.) AIR:2-WUTWC:2-TWC:HO2S:EGR:OBD

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

Eng Code/ Cert	Veh Models	Trans Type: A-Auto	Equiv Test Weight	RLHP or DPA	Ign Sys (ECU/PROM) Part No	Fuel Sys (ECU/PROM) Part No	EGR Syst Part No	Catalyst Part No
4.0HFC -90	XJ6 Sovereign Vanden Plas Vanden Plas Majestic	A	4250	7.9	EI DBC 5702	MPI DBC 5702	EBC 2737	Downpipes-ACA Underfloor-ADA