State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-220-22
Relating to Certification of New Motor Vehicles

JAGUAR 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 1988 model-year Jaguar Cars Limited exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JJR5.3V5FEB1	5.3	(326)	Air Injection-Pump Dual Warm-Up Three-Way Catalysts (Two) Dual Three-Way Catalysts (Two) Dual Heated Oxygen Sensors (Electronic Fuel Injection)

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

The following are the emission standards for this engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.41	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.14	0.8	0.2

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

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 Administrative Code, 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, 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 Administrative Code, Section 2035 et seq.) and with Health and Safety Code Section 43204.

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 31st day of March, 1987.

K. D. Drachand, Chief
Mobile Source Division

E.O. #A-220-22

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Jaguar Cars Ltd Engine Family JJR5.3V5FEB1

Evaporative Family XJFI Engine Type ~~4 stroke/60°~~ V12

Liters (CID) 5.3 (326)

Abbreviations

Ignition System

CA-Centrifugal Advance
El-Electronic Ignition
VA-Vacuum Advance

Exhaust Emissions Control System

AIP-Air Injection- Pump
CL-Closed Loop
TWC - Three-Way Catalyst System

Fuel System

CL, EFI, MPI

Special Features

EFI-Electronic Fuel Injection
MPI-Multi-point injection

MODEL : Jaguar XJ-S V12
Jaguar XJ-SC V12

Engine: Front x Mid. ____ Rear ____

Drive: FWD ____ RWD x 4WD Full Time ____ 4WD Part Time ____

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1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars x Light-Duty Trucks __ Medium-Duty Vehicles __ Gas x Diesel __

Manufacturer Jaguar Cars Ltd Engine Family JJR5.3V5FEB1

Liter (CID) 5.3 (326) Eng. Type ~~4 stroke/60° V12~~

Emission Control Sys. (Special Features) AIP: 2-TWC ~~CL~~ (2) (EFI), 2-WUTWC(2), 2-HOS

Engine Code	Vehicle Models (Dyno Hp)	Trans Type	Equiv. Test Weight	Ign.System (Distributor) Part No.	Fuel System (E.C.U.) Part No.	EGR Valve Part No.	Catalyst Part No.
5.3SFC-87	XJ-S V12 (8.1) XJ-SC V12 (8.1)	~~A3e~~ A-3	4250	CA; VA; El DAC 4329 or DAC 4379	EFI; MPI DAC 4118	not ~~fitted~~ USED	CBC 2072 CBC 2073 CBC 2074 and CBC 2075

.02.00 Test Horsepower

Model Name	ETW	Tyres	A/C	Frontal Area	Frontal Area HP*	Coastdown time	Coastdown HP
Jaguar XJ-S V12	4250	215/70VR15	x	20.8	11.6	16.68	8.3
Jaguar XJ-SC V12	4250	215/70VR15	x	20.8	11.6	16.68	8.3
Jaguar XJ6	4000	205/70VR15	x	22.4	12.4	16.44	8.2
Jaguar Vanden Plas	4250	205/70VR15	x	22.4	12.4	17.41	8.2

* including air conditioning.

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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