

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-220-14  
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 1985 model-year Jaguar Cars Limited exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>                             |
|----------------------|---|--|
| FJR4.2V5FAA5         | 258 (4.2)                                     | Air Injection - Pump<br>Three-Way Catalyst with Closed Loop<br>(Electronic Fuel Injection) |

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.41                                   | 7.0                                       | 0.7                                       |

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

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.15                                   | 2.5                                       | 0.3                                       |

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of 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.

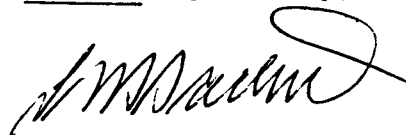
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 2<sup>nd</sup> day of July, 1984.



K. D. Drachand, Chief  
Mobile Source Division



MY 1985

Engine Family

FJR4.2V5FAA5

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1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Jaguar Cars Ltd Executive Order No A-220-14

Engine Family FJR4.2V5FAA5 Evaporative Family XJFI

Engine CID (Liters) 258 (4.2)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
EEC-Electronic Engine Control  
E1-Electronic Ignition  
ESAC-Electronic Spark Advance Control  
VA-Vacuum Advance  
VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump  
AIV-Air Injection-Valve  
CL-Closed Loop  
EGR-Exhaust Gas Recirculation  
EM-Engine Modification  
OC-Oxidation Catalyst System  
TR-Thermal Reactor  
TWC-Three Way Catalyst System

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
nV-nVenturi Carburettor  
VV-Variable Venturi

Special Features

CCV-Combustion Chamber Valve  
CFI-Central Fuel Injection  
DID-Diesel Injection-Direct  
DIP-Diesel Injection-Prechamber  
MFI-Mechanical Fuel Injection  
TC-Turbocharged

Model : Jaguar XJ6

Jaguar VDP

DRIVE SYSTEM: Front engine, rear wheel drive



MY 1985

Engine Family  
FJR4.2V5FAA5

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1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

X Passenger Cars - Light-Duty Trucks - Medium-Duty Vehicles X Gas - Diesel

Manufacturer Jaguar Cars Ltd E.O.#A-220-14

Engine Family FJR4.2V5FAA5 CID(liter) - Type 258(4.2)-L6

ECS (Special Features) AIP: TWC/CL: EFI

| Engine Code | Vehicle Models<br>(If Coded see attachment)                                 | Trans. | Ign. System                                    | Fuel System                             | EGR Valve | Label Ident. |
|-------------|---|--------|--|---|-----------|--------------|
|             |   |        | Part No.                                       | Part No.                                | Part No.  | Part No.     |
| 4.2SFC-84   | Jaguar XJ6<br>(ETW 4250)<br><br>Jaguar VDP<br>(ETW 4250)<br><br>HP 9.1 W/AC | A3     | CA, VA, E1<br><br>Lucas<br>(41912)<br>DAC 2992 | EFI<br><br>Lucas<br>(73207)<br>DAC 2806 | -         | EAC 6846     |

Comments : See page 1. For abbreviations and evaporative emission family identification.