

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-220-16  
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 Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
FJR3.6V5FAB0	219 (3.6)	Air Injection - Pump Three-Way Catalyst with Closed Loop (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 Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.41	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.32	3.4	0.5

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 2nd day of July, 1984.



K. D. Drachand, Chief  
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Jaguar Cars Executive Order No \_\_\_\_\_  
Engine Family FJR3.6V5FABO Evaporative Family XJFI  
Engine CID (Liters) 219 (3.6)

ABBREVIATIONS

Ignition System

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

Fuel System

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

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

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 XJ-S 3.6  
Jaguar XJ-SC 3.6

DRIVE SYSTEM: Front engine, rear wheel drive.

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Fuel System

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

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AIP-Air Injection-Pump  
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MY 1985

Engine Family

FJR3.6V5FABO

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1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Jaguar Cars E.O.#A-220-16

Engine Family FJR3.6V5FABO CID(liter) - Type 219 (3.6)-L6

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

CID 219 LITRES 3.6 HP 135KW @ 5000 RPM TORQUE 289 NM @ 4000 RPM

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
3.6SMFC-84	Jaguar XJ-S 3.6 Test wt. 3875	M5	CA, VA, E1	EFI	-	EAC 6847
	Jaguar XJ-SC 3.6 Test wt. 3875  HP 8.6 w/AC	M5	Lucas (41922) DAC 3103	Lucas (83939) DAC 2817		

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