

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-220-10
Relating to Certification of New Motor Vehicles

JAGUAR CARS

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 1983 model-year Jaguar Cars 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>
DJR5.3V5FCAX	326 (5.3)	Air Injection - Pump Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year 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 this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.26	2.2	0.3

BE IT FURTHER RESOLVED: That the listed vehicle 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 18th day of October, 1982.


K. D. Drachand, Chief
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer JAGUAR CARS Executive Order No A-220-10
 Engine Family DJR5.3V5FCAX Evaporative Family XJFI
 Engine CID (Liters) 326 (5.3)

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

Vehicle Models : JAGUAR XJ-S

DRIVE SYSTEM: FRONT ENGINE/REAR WHEEL DRIVE

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DATE _____ GOVMT
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AMENDMENTS

No.	DATE	No.	DATE	No.	DATE
02-4	4.5.82.				



BL Cars
 Ltd

ENGINE FAMILY

DJR5.3V5FCAX

DATE OF ISSUE

1 November
 1981

1983 APPLICATION FOR
 CERTIFICATION (CALIF)

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

AM.
No:

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

Manufacturer JAGUAR CARS E.O.# A-220-10

Engine Family DJR5.3V5FCAX CID(liter) - Type 326 (5.3)V12

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

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System CA, VA, EI Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
53SFG82/2	Jaguar XJ-S	A3	Lucas (41879) DAC 2623	Lucas (83606) DAC 2597	NA	EAC 5096

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

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AMENDMENTS

No.	DATE	No.	DATE	No.	DATE
02-4	4.5.82				

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ENGINE FAMILY
DJR5.3V5FCAX

DATE OF ISSUE
1 November 1981

1983 APPLICATION FOR CERTIFICATION

10.00.00 Vehicle Description

Engine Family - DJR5.3V5FCAX Evaporative Emission Family - XJFI
 Exhaust Emission Control System - EFI:PMP:3CL Evaporative Emission Control System - CAN

Engine Code	5.3SFC-82/1
Evaporative Emission Code	12S-82/1
Catalyst Code	82/FC 12
Vehicle Model	XJ-S
Car Line	XJ (22010)
Body Style	2 door Coupe
Transmission Code	GM400-80
Kerb Weight	3950
Inertia Weight Class	4000
Equivalent Test Weight	4250
Gross Vehicle Weight	----
Frontal Area	20.3 + 0.48 sq. ft. ² .
Standard Axle Ratio	2.88
Maximum Optional Ratio	
Minimum Optional Ratio	
Standard Tyre Size and Type	215/70VR15
Maximum Tyre Size and Type	
Minimum Tyre Size and Type	
Standard N/V Ratio	37.0
Maximum N/V Ratio	
Minimum N/V Ratio	
Basic Drive Train Layout	Front engine, rear wheel drive
Dynamometer Power Absorber Setting	8.3
Front Area HP	11.6
A/C Factor Added	Yes
High Altitude Adjustments	Yes

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 BL Cars Ltd	ENGINE FAMILY	DATE OF ISSUE	1983 APPLICATION FOR CERTIFICATION
	DJR5.3V5FCAX	1 November 1981.	

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