

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
EI-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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AMENDMENTS

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



ENGINE FAMILY

DJR5.3V5FCAX

DATE OF ISSUE

1 November
19811983 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-220-10Engine Family DJR5.3V5FCAX CID(liter) - Type 326 (5.3)V12ECS (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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ENGINE FAMILY

DJR5.3V5FCAX

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19811983 APPLICATION
FOR CERTIFICATION

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10.00.00 Vehicle DescriptionAM.
No:

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

DJR5.3V5FCAX

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1981.1983 APPLICATION
FOR CERTIFICATION

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