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:

| Engine Family | Displacement Cubic Inches (Liters) | | Exhaust Emission Control Systems (Special Features) |
|---|---|---|---|
| FJR3.6V5FABO | 219 | (3.6) | Air Injection - Pump<br>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":

| 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 the above engine family:

| Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|
| 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
E1-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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Jaguar XJ-SC 3.6

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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 | M5 | CA, VA, E1 | EFI | - | EAC 6847 |
| | Test wt. 3875 | | | | | |
| | Jaguar XJ-SC 3.6 | M5 | Lucas (41922) | Lucas (83939) | | |
| | Test wt. 3875 | | DAC 3103 | DAC 2817 | | |
| | HP 8.6 w/AC | | | | | |

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