

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-220-28
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 1990 model-year Jaguar Motors Limited exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LJR5.3V5FMF5 Displacement: 5.3 Liters (326 Inches³)
Exhaust emission control systems (Special Features):

- Dual Heated Oxygen Sensor
- Two-Dual Warm-Up Three-Way Catalysts
- Dual Three-Way Catalysts (Two)
- Secondary Air Injection
- Multi-point Electronic Fuel Injection
- On-Board Diagnostic System (Exempted)

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

The following are the exhaust emission standards for this engine family:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.41	7.0	0.4

The following are the certification exhaust emission values for this engine family:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.35	2.3	0.1

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 Code of Regulations, 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 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (California Health and Safety Code Section 43205).

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 8th day of November, 1989.



K. D. Drachand, Chief
Mobile Source Division

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1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer Jaguar Cars Ltd Engine Family LJR5.3V5FMF5Evaporative Family XJFI Engine Type V12Liters (CID) 5.3 (326)

Emission Control Sys.

AIR:2-WUTWC(2):2-TWC(2):2-HO2SEngine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Eng Code/ Cert	Veh Models	Trans Type: A-Auto	Equiv Test Weight	RLHP or DPA	Ign Sys (ECU/PROM) Part No	Fuel Sys (ECU/PROM) Part No	EGR Syst Part No	Catalyst Part No
5.3SFC -89	XJS V12	A			EI DAC 7485*	MPI DAC 6337	not fitted	Downpipes- CBC 7958 CBC 7959 Underfloor- CBC 8212 CBC 8213
	i) Coupe		4250	8.1				
	ii) Conver- tible		4500	8.0				

* Introduced by R/C 5.3-90/4

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Page 1

Manufacturer Jaguar Cars Ltd Engine Family LJR5.3V5FMF5

Evaporative Family XJFI Engine Type V12

Codes 27-87/1 77-89/1* Liters (CID) 5.3 (326)

Emission Control Sys. AIR:2-WUTWC(2):2-TWC(2):2-HO2S

Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Eng Code/ Cert	Veh Models	Trans Type: A-Auto	Equiv Test Weight	RLHP or DPA	Ign Sys (ECU/PROM) Part No	Fuel Sys (ECU/PROM) Part No	EGR Syst Part No	Catalyst Part No
5.3SFC -89	XJS V12	A			EI DAC 7485	MPI DAC 6337	not fitted	Downpipes- CBC 7958 CBC 7959 Underfloor- CBC 8212 CBC 8213
	i) Coupe		4250	8.1				
	ii) Convertible		4500	8.0				

* Introduced by R/C 5.3-90/6

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Manufacturer Jaguar Cars Ltd Engine Family LJRS.3V5FMP5

Evaporative Family XJFI Engine Type V12

Codes 27-87/2 77-89/2* Liters (CID) 5.3 (326)

Emission Control Sys. AIR:2-WUTWC(2):2-TWC(2):2-HO2S

Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT

Eng Code/ Cert	Veh Models	Trans Type: A-Auto	Equiv Test Weight	RLHP or DPA	Ign Sys (ECU/PROM) Part No	Fuel Sys (ECU/PROM) Part No	EGR Syst Part No	Catalyst Part No
5.3SFC -89	XJS V12	A			EI DAC 7485	MPI DAC 6337		
	i) Coupe		4250	8.1			not fitted	Downpipes- CBC 7958
	ii) Con- vertible		4500	8.0				CBC 7959 Underfloor- CBC 8212 CBC 8213

* Introduced by Field Fix 5.3-90/7