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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-220-44 Relating to Certification of New Motor Vehicles

JAGUAR CARS, LTD. _

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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Jaguar Cars, Ltd. exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: TJC4.0VJGKGK <u>Displacement</u>: 4.0 Liters (243 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Warm Up Three-Way Catalytic Converters Dual Three Way Catalytic Converters Dual Heated Oxygen Sensors (two) Exhaust Gas Recirculation Secondary Air Injection Sequential Multiport Fuel Injection

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

The certification exhaust emission standards for this engine family in grams per mile are:

Miles	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides	<u>Monoxide (20°F)</u>
50,000	0.25	3.4	0.4	10.0
100 ,0 00	0.31		0.6	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides	<u>Monoxide (20°F)</u>
50,000	0.18	0.8	0.3	7.6
100,000	0.24	1.0	0.4	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards. BE IT FURTHER RESOLVED: That the vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", pursuant to provisions in the said standards and test procedures applicable to small-volume manufacturers.

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 (Title 13, California Code of Regulations, Section 2035 et seq.).

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 $\frac{\partial \mathcal{M}}{\partial day}$ of October 1995.

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R. B. Summerfield Assistant Division Chief Mobile Source Division

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17.00.00.00 cont'd E.O. # <u>A-220-44</u> Page <u>1</u> of <u>1</u>								
.06.01.01 1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS & MEDIUM-DUTY VEHICLES								
Manufacturer: Jaguar Cars Ltd Exh Eng Fam: TJC4.0VJGKGK Evap Fam: TJC1142AYMA0								
Exh Std: CA Tier-1 X TLEV LEV ULEV ZEV ; US EPA Tier-1 X								
Evap Std: 50K X Useful Life with R/L _								
In-Use Exh Std: Full In-Use X Alt In-Use _								
Veh Class(es): PC X LDT1 _ LDT2 _ MDV1 _ MDV2 _ MDV3 _ MDV4 _ MDV5 _								
Single Cert Std for Muti-Class Eng Fam: <u>N/A</u>								
Fuel Type(s): Dedicated X Flex-Fuel Dual-Fuel Bi-Fuel Gasoline X Diesel M85 CNG LNG LPG Other								
Emission Test Fuel(s): Ind X Ph2 M85 CNG LPG Other Diesel: 13 CRR 2282 40CFR86.113-90 40CFR86.113-94								
Service Accum: Std AMA X Mod AMA Mfr ADP Other								
NMOG Test Procedure: N/A X Std _ Equiv _ R/L Test Proc: SHED _ Pt Source _								
Hybrid: Type A _ B _ C _, APU Cycle								
Engine Configuration: L6 Displacement: 4.0 Liters 243 Cubic Inches								
Valves per Cylinder: <u>4</u> Rated HP: XJ6- <u>245 @ 4800</u> RPM XJS- <u>237 @ 4700</u> RPM								
Engine: Front X Mid _ Rear _ Drive: FWD _ RWD X 4WD-FT _ 4WD-PT _								
Exhaust ECS: AIR:EGR:2H02S(2):2WUTWC:2TWC:SFI								
Engine Vehicle Trans ETW DPA ECM EGR Catalyst								
Code Models A-Auto (ICM) System Part No. M-Man Part No Part No								
4.0HFC XJ6 A 4250 7.0 LNA1410VB LHE1550AA D/P:NCC U/F:NDB								
(50ST)								
4. ONFC Vanden Plas A 4500 7.0 LNA1410VB LHE1550AA D/P:NCC								
-96 U/F:NDB								
(50ST)								