

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-5-35  
Relating to Certification of New Motor Vehicles

JAGUAR CARS  
OF  
BRITISH LEYLAND (U.K.) LIMITED

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Jaguar Cars of British Leyland (U.K.) Limited exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: V12/50  
Engine: 326 CID  
Transmission: 3-speed automatic  
Exhaust Emission Control Systems: Air injection, electronic fuel injection, exhaust gas recirculation, oxidation catalyst.

Models: XJ12L  
XJ12C  
XJ-S

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

| <u>Engine Family</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|----------------------|--|---|---|
| V12/50               | 0.40                                   | 6.2                                       | 1.2                                       |

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 29 day of July, 1977.

*G. C. Hass*

G. C. Hass, Chief  
Vehicle Emissions Control Division

Manufacturer Jaguar Cars of British Leyland (U.K.) Limited Executive Order No. A-5-35 Page 1  
 Engine Family V12/50 Engine (CID) 326 Engine Code V12LFC-77/50  
 Emission Control System EFI, AI, EGR, OC +10%(A/C) Yes  No

| Vehicle Models<br>(If Coded see attachment) | Trans | Inertia Weight | Distributor<br>Type C,VR,<br>EI<br>Mfgr.<br>Part Number | Fuel System<br>Type EFI<br>Mfgr.<br>Part Number | EGR System<br>Part No.<br>Service* | Tune-Up Specification<br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed   |
|---|-------|----------------|---|---|------------------------------------|---|
| Jaguar<br>XJ12L<br>XJ12C<br>XJ-S            | A-3   | 4500           | Lucas<br>41591  | Lucas-<br>Bosch<br>ECU#<br>83477                | 73166<br><br>* I-<br>50,000 mi.    | (1) 4°+2° ATDC<br>@ 750 RPM<br>(2) 1-2% CO at idle<br>with air injection<br>interrupted. This<br>is accomplished<br>by removing the<br>rubber cap on the<br>diverter valve<br>diaphragm housing.<br>(3) 750 RPM in<br>neutral. Adjust<br>bypass screw on<br>idle air valve.<br><br>All settings with<br>transmission in<br>neutral and air<br>conditioner switched off. |
| Comments                                    |       |                |   |   |                                    |   |
| Date of Issue                               |       |                |   |   |                                    |   |

**Abbreviations**

- Distributor  
 C-Centrifugal Advance  
 V-Vacuum Advance  
 VR-Vacuum Retard  
 HEI-High Energy Ignition  
 EI-Electronic Ignition  
Fuel System  
 EFI, FI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

**Exhaust Emission Control System**

- AI-Air Injection  
 CAI-Catalyst Air Injection  
 EFI-Electronic Fuel Injection  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 EFE-Early Fuel Evaporation  
 ESAC-Electronic Spark Advance  
 Control  
 FI-Fuel Injection

- OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 RC-Reduction Catalyst  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst  
 λ-Air Fuel Ratio Sensor  
 \*Service  
 I-Inspect, repair/replace  
 as needed  
 R-Replace