

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-48-5
Relating to Certification of New Motor Vehicles

ROLLS-ROYCE MOTORS 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 Rolls-Royce Motors Limited exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 1C
Engine: 412 Cubic Inch
Transmission: Automatic, 3-Speed
Exhaust Emission Control Systems: Engine Modification, Air Injection, Exhaust Gas Recirculation, and Oxidation Catalyst

Models: Rolls-Royce
Silver Shadow 4-Door Sedan
Silver Shadow LWB Sedan
Corniche Coupe
Corniche Convertible
Camargue

Bentley
'T' Series 4-Door Sedan
'T' Series LWB Sedan
Corniche Coupe
Corniche Convertible

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 Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|----------------------|--|---|---|
| 1C | 0.17 | 1.6 | 1.1 |

BE IT FURTHER RESOLVED: That this certification is contingent upon Rolls-Royce Motors Limited affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Rolls-Royce Motors Limited listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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 28 day of January, 1977.


G. C. Hass, Chief
Vehicle Emissions Control Division

SUPERSEDED

Manufacturer ROLLS ROYCE MOTORS Executive Order No. 48-5 Page 1

Engine Family 1C Engine (CID) 412 Engine Code _____

Emission Control System EM, AI, EGR, OC +10%(A/C) Yes No

| Vehicle Models (If Coded see attachment) | Trans | Inertia Weight | Distributor Type C HEI Mfgr. Part Number | Fuel System Type 2-1V Mfgr. Part Number | EGR System Part No. Service* | Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed |
|--|-------|----------------|---|---|---|---|
| Rolls-Royce Silver Shadow 4-Door Sedan | Auto | 5500 | Joseph Lucas, Ltd. UE 40967 | S.U. Carburettor Co. Ltd. UE 40957 | 2 Valves Gen.Motors UE 40755 (GM P/N 7045068) | (1) 15° BTDC @ 1200 RPM W/Vacuum advance line disconnected |
| Silver Shadow LWB Sedan | | | | | | |
| Corniche Coupe | | | | | | |
| Corniche Convertible | | | | | | |
| Camargue | | | | | | |
| <u>Bentley</u> | | | | | | |
| 'T' Series 4-Door Sedan | | | | | | |
| 'T' Series LWB Sedan | | | | | | |
| Corniche Coupe | | | | | | |
| Corniche Convertible | | | | | | |
| (2) 1.0-4.0% @ 650 RPM EGR hoses disconnected & plugged, float chambers vented, hot idle compensator blanked off. Air injection disconnected and check valves blanked. Carburetor chamber depression: 2.0" H ₂ O @ 2500 RPM. (3) 650 RPM with hot idle compensator blanked off. (All above settings to be made with transmission in neutral and air conditioning off). | | | | | | |

Comments Axle Ratio 3.077: To 1

Date of Issue _____

Abbreviations

Distributor

- C-Centrifugal Advance
- V-Vacuum Advance
- λ-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