

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SUPERSEDED

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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					*I-50,000 Miles	(2) 1.0-4.0% @ 650 RPM EGR hoses disconnected & plugged, float chambers vented, hot idle compensator blanked off. Air injection discon- nected and check valves blanked. Carburetor chamber depression: 2.0" H <sub>2</sub> O @ 2500 RPM.
Corniche Coupe						(3) 650 RPM with hot idle compensator blanked off.
Corniche Convertible						(All above settings to be made with transmission in neutral and air con- ditioning off).
Camargue						
<u>Bentley</u>						
'T' Series 4-Door Sedan						
'T' Series LWB Sedan						
Corniche Coupe						
Corniche Convertible						

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