State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-48-5-1
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: 3-Speed Automatic
Exhaust Emission Control Systems: Engine Modification, Air Injection, Exhaust Gas Recirculation, and Oxidation Catalyst

Models: Rolls-Royce
Silver Shadow II
Silver Wraith II

Bentley
T2
T2 Long Wheelbase Sedan

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.

These vehicles are in addition to those previously certified for this engine family.

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 11 day of March, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

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

Engine Family 1C Engine (CID) 412 Engine Code

Emission Control System EM, AI, EGR, OC +10%(A/C) Yes [X] 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 II Silver Wraith II	A/T3	5500	Joseph Lucas, Ltd. UE 40967	S.U. Carburetor Co. Ltd. UE 40957	2 Valves Gen. Motors UE 40755 (GM P/N 7045068) *I-50,000 Miles	(1) 15° BTDC @ 1200 RPM W/Vacuum advance line disconnected (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_2O @ 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).
Bentley T2 T2 LWB Sedan						

Comments Axle Ratio 3.077: To 1

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