

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-48-6  
Relating to Certification of New Motor Vehicles

ROLLS-ROYCE MOTORS LIMITED

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That Rolls-Royce Motors Limited exhaust emission control systems for 1978 model-year passenger cars are certified for the vehicles described below:

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

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 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>
1	0.21	3.1	1.1

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-48 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

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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 18 day of November, 1977.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Rolls-Royce Executive Order No. A-48-6 Page 1  
Engine Family 1 Engine (CID) 412

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 Emissions Control System

AI-Air Injection  
CAI-Catalyst Air Injection  
CAB-Chamber Air Bleed  
DD-Dual Displacement  
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  
TC-Turbo Charged  
TR-Thermal Reactor  
TWC-Three Way Catalyst  
(Feedback Control)  
EGR Syst. Service  
I-Inspect, repair/replace  
as needed  
R-Replace

VEHICLE MODEL

Rolls-Royce

Silver Shadow II  
Silver Wraith II  
Corniche Coupe  
Corniche Convertible  
Camargue

Bentley

T2  
T2 LWB Sedan  
Corniche Coupe  
Corniche Convertible

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars       Light-Duty Trucks       Medium Duty Vehicles

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

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type c HEI Mfgr. Part Number	Fuel System Type 2-1V Mfgr. Part Number	EGR System Part No. Service *	Tune-Up Specification
	<u>Rolls-Royce</u> Silver Shadow II Silver Wraith II Corniche Coupe Corniche Convertible Camargue <u>Bentley</u> T2 T2 LWB Sedan Cornich Coupe Corniche Convertible	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 @ 1200RPM (2) 1.0-4.0% @ 650RPM 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 <sub>2</sub> 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:                      models have special road load HP settings. See page 1 for abbreviations and model codes.

Date of Issue                      Revisions: