

(Page 1 of 2)

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-48-15  
Relating to Certification of New Motor Vehicles

ROLLS-ROYCE MOTORS LIMITED

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; 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 1986 model-year Rolls-Royce Motors Limited exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GRR412V6FAA2	412 (6.8)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Mechanic Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.41	7.0	0.7

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.32	2.5	0.7

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

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

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 21<sup>st</sup> day of June, 1985.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer Rolls-Royce Motors Ltd Executive Order No. A-48-15  
 Engine Family GRR412V6FAA2 Evaporative Family No 1  
 Engine CID (Liters) 412 (6.8)

## ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance  
 Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TOC-Trap Oxidizer Continual  
 TOP-Trap Oxidizer Periodical  
 TR-Thermal Reactor  
 TWC-Three-Way Catalyst System

Special Features

CCV-Combustion  
 Chamber Valve  
 CFI-Central Fuel  
 Injection  
 DID-Diesel  
 Injection-  
 Direct  
 DIP-Diesel  
 Injection-  
 Prechamber  
 EFI-Electronic  
 Fuel  
 Injection  
 IC - Intercooler  
 MFI-Mechanical  
 Fuel  
 Injection  
 TC-Turbocharged

VEHICLE MODELS:

Rolls-Royce Silver Spirit  
 Rolls-Royce Silver Spur  
 Rolls-Royce Silver Spur Limousine  
 Rolls-Royce Corniche II  
 Rolls-Royce Camargue  
 Bentley Eight  
 Bentley Mulsanne  
 Bentley Mulsanne L  
 Bentley Continental

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. A-48-15

Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel

Manufacturer Rolls-Royce Motors Ltd

Page 17 02 - 7

Engine Family GRR412V6FAA2

Engine Code A

ECS (Special Features) AIP, EGR, TWC, CL (MFI)

CID (Liter)-Type 412 (6.8) - V8

Engine Code	Vehicle Models (If Coded see attachment) (Hp)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
A	<u>Rolls-Royce</u> Silver Spirit Silver Spur Silver Spur Limousine Corniche II Camargue  <u>Bentley</u> Eight Mulsanne Mulsanne L Continental	A3	5250 5250 5500 5500 5500  5250 5250 5250 5500	CA, VA  Lucas: 41941 RR: UE 44406	MFI  Metering Unit: Bosch: O 438 080 016 RR: UE 43382	GM: 7045068  RR: UE 40755	UE 46042

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

E.O. # A-48-15

## MANUFACTURER'S HP LIST

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Vehicle Models	Equip Test Weight	RLHP (incl 10%) for ACU
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Rolls-Royce

Silver Spirit	5250	13.9
Silver Spur	5250	13.9
Silver Spur Limousine	5500	13.9
Corniche II	5500	14.8
Camargue	5500	14.7

Bentley

Eight	5250	13.9
Mulsanne	5250	13.9
Mulsanne L	5250	13.9
Continental	5500	14.8

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Issue Date	25 Mar '85				
Revision Date	22 May '85				