

Encl. 1

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-48-18  
Relating to Certification of New Motor Vehicles

ROLLS-ROYCE MOTOR CARS 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 1988 model-year Rolls-Royce Motor Cars Limited emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JRR412V6FNA4	6.8 (412)	Air Injection - Pump Exhaust Gas Recirculation Heated Oxygen Sensor Three-Way Catalyst (Mechanical 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>
0.29	2.9	0.6

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 1988 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 the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) 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 26<sup>th</sup> day of June, 1987.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer Rolls-Royce Motor Cars Ltd. Engine Family J RR412V6FNA 4  
 Evaporative Family No 1 Engine Type V8  
 Liters (CID) 6.8 (412)

**ABBREVIATIONS**

Ignition System

CA-Centrifugal Advance  
 ECU-Electronic Control Unit  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 DBC-Dual Bed Catalyst  
 EGR-Exhaust Gas Recirculation  
 EIC-Electronic Injection Control  
 EM-Engine Modification  
 OC-Oxidation Catalyst  
 OS-Oxygen Sensor  
 HOS-Heated Oxygen Sensor  
 SPL-Smoke Puff Limiter or Throttle Delay  
 TOC-Trap Oxidizer, Continual  
 TOP-Trap Oxidizer, Periodical  
 TWC-Three-Way Catalyst  
 WUOC-Warm-Up Oxidation Catalyst  
 WUTWC-Warm-Up Three-Way Catalyt

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection or Throttle Body Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EFI-Electronic Fuel Injection  
 IC-Intercooler or Aftercooler  
 MFI-Mechanical Fuel Injection  
 OBD-On-Board Diagnostics  
 TC-Turbocharger

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor

VEHICLE MODELS:

Rolls-Royce Silver Spirit  
 Rolls-Royce Silver Spur  
 Rolls-Royce Silver Spur Limousine  
 Rolls-Royce Corniche II  
 Bentley Eight  
 Bentley Eight L  
 Bentley Mulsanne S  
 Bentley Mulsanne S Long Wheelbase  
 Bentley Continental

Engine: Front X Mid. \_\_\_\_\_ Rear \_\_\_\_\_  
 Drive: FWD \_\_\_\_\_ RWD X 4WD Full Time \_\_\_\_\_ 4WD Part Time \_\_\_\_\_

198 8 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-48-18

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

Page 17 02 - 7

Manufacturer Rolls-Royce Motor Cars Limited Engine Family J.RR412V6FNA 4

Liter (CID) 6.8 (412) Eng. Type V8

Emission Control Sys. (Special Features) AIP, EGR, TWC, HOS (MFI)

Engine Code	Vehicle Models (If Coded see attachment)  (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)	Fuel System	EGR Valve	Catalyst
				Part No.	Part No.	Part No.	Part No.
A	<u>Rolls-Royce</u>	A3		CA, VA	MFI		TWC
	Silver Spirit Silver Spur Silver Spur Limousine Corniche II		5250 5250 5500 5500	Lucas: 42643 RR: UE 70102	Air meter: Bosch no O 438 120 214  Fuel distributor: Bosch no O 438 100 090  ECU: Bosch no O 280 800 069 RR no UD 70265	GM: 07045068 RR: UE 40755	Converter Assembly: UE70187
	<u>Bentley</u>						
	Eight Eight L Mulsanne S Mulsanne S IWB Continental		5250 5250 5250 5250 5500				

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.

Date of Issue \_\_\_\_\_ Revisions: \_\_\_\_\_

Executive Order # A-48-18

Engine Family JR2412V6FNA4

MANUFACTURER'S HP LIST

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Vehicle Models	Equiv 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

Bentley

Eight	5250	13.9
Eight L	5250	13.9
Mulsanne S	5250	13.9
Mulsanne S Long Wheelbase	5250	13.9
Continental	5500	14.8

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Issue Date	7 Apr '87
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Revision Date					
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