

*File*

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-48-41  
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Rolls-Royce Motor Cars Limited exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: XRRXV06.7TUR Displacement: 6.75 Liters (412 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Sequential Multiport Fuel Injection
- Heated Oxygen Sensors (two)
- Warm Up Three Way Catalytic Converter
- Three Way Catalytic Converter
- Secondary Air Injection
- Turbocharger
- Charge Air Cooler (Engine Codes A, C, D, & E only)

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

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.15	1.2	0.3	7.5
100,000	0.19	1.7	0.3	n/a

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

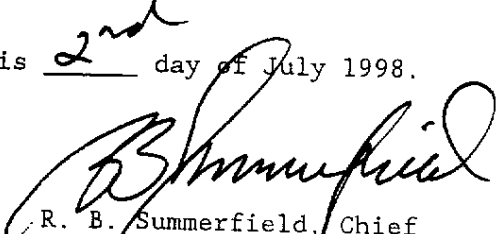
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned 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 provisions (Title 13, California Code of Regulations, 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 2<sup>nd</sup> day of July 1998.

  
R. B. Summerfield, Chief  
Mobile Source Operations Division



ROLLS-ROYCE MOTOR CARS

&

BENTLEY MOTOR CARS



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1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rolls-Royce Motor Cars Ltd Exh Eng Fam: XRRXV06.7TUR Evap Fam: XRRXE0075E96

All Engine Codes in Engine Family: CA \_\_\_\_\_ 49S \_\_\_\_\_ 50S X AB965 \_\_\_\_\_, ORVR: YES \_\_\_\_\_ NO X

Exh Std: CA Tier-1 X TLEV \_\_\_\_\_ LEV \_\_\_\_\_ ULEV \_\_\_\_\_ SULEV \_\_\_\_\_ US EPA Tier-1 X

Veh Class(es): PC X LDT1 \_\_\_\_\_ MDV1 \_\_\_\_\_ MDV2 \_\_\_\_\_ MDV3 \_\_\_\_\_ MDV4 \_\_\_\_\_ MDV5 \_\_\_\_\_

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Fuel Type(s): Dedicated X Flex-Fuel \_\_\_\_\_ Dual-Fuel \_\_\_\_\_ Bi-Fuel \_\_\_\_\_ Gasoline X Diesel \_\_\_\_\_

CNG \_\_\_\_\_ LNG \_\_\_\_\_ LPG \_\_\_\_\_ M85 \_\_\_\_\_ Other (specify) ADF

Exh Emiss Test Fuel(s): Indo X CBG \_\_\_\_\_ CNG \_\_\_\_\_ LPG \_\_\_\_\_ M85 \_\_\_\_\_ Other (specify) \_\_\_\_\_

Diesel: 13 CCR 2282 \_\_\_\_\_ 40 CFR 86.113-90 \_\_\_\_\_ 40 CFR 86.113-94 \_\_\_\_\_

Evaporative Emission Test Procedure: California \_\_\_\_\_ Federal X

Service Accum: Std AMA \_\_\_\_\_ Mod AMA \_\_\_\_\_ Mfr ADP \_\_\_\_\_ Other (specify) ADF

NMOG Test Procedure: N/A N/A Std \_\_\_\_\_ Equiv \_\_\_\_\_ R/L Test Proc: SHED X Pt Source \_\_\_\_\_

Engine Configuration: V8 Displacement: 6 / 75 Liters 412 / \_\_\_\_\_ Cubic Inches

Valves per Cylinder: 2 Rated HP: Code A = 385HP at 4000 rpm

Code B = 300HP at 4000 rpm

Code C = 400HP at 4150 rpm

Code D = 420HP at 4000 rpm

Code E = 325HP at 4000 rpm

Engine: Front X Mid \_\_\_\_\_ Rear \_\_\_\_\_ Drive: FWD \_\_\_\_\_ RWD X 4WD-FT \_\_\_\_\_ 4WD-PT \_\_\_\_\_

Exhaust ECS (e.g., MFI, EGR, TC, CAC): SFI/HO2S(2)WU-TWC+TWC/AIR/TC/CAC (Code A, C, D & E)  
SFI/HO2S(2)WU-TWC+TWC/AIR/TC (Code B)

(use abbreviations per SAE J1930 JUN93)

Engine Code (Also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc)	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
	<b>Bentley</b>						
C,D/50S	Turbo RT(LWB)		5740	11.7			
A,C,D/50S	Continental R		5700	11.7			
A,C,D/50S	Azure		6050	10.7			
B/50S	Brooklands R	ALL	5740	11.7			WU-TWC
A,B,C,D,E/50S	Brooklands R(Limo)	A4	6410	12.2	ALL		UE79281
D/50S	Continental T		5700	10.7	UV20485PA	N/A	
C,D/50S	Continental SC		6050	10.7			TWC
	<b>Rolls-Royce</b>						UE79282
A,B,C,D,E/50S	Silver Spur Park Ward		6410	12.2			
B/50S	Silver Spur		5740	11.7			
Issue Date	15 May 96	Revision Date	14 Aug 96	15 Feb 98	1 Sept 98	7 Aug 99	

R/c addition of a model.



ROLLS-ROYCE MOTOR CARS  
&  
BENTLEY MOTOR CARS



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1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Rolls-Royce Motor Cars Ltd Exh Eng Fam: XRRXV06.7TUR Evap Fam: XRRXE0075E96  
 All Engine Codes in Engine Family: CA      49S      50S   X   AB965     , ORVR: YES      NO   X    
 Exh Std: CA Tier-1   X   TLEV      LEV      ULEV      SULEV      US EPA Tier-1   X    
 Veh Class(es): PC   X   LDT1      MDV1      MDV2      MDV3      MDV4      MDV5       
 Single Cert Std for Multi-Class Eng Fam:   N/A   (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)  
 Fuel Type(s): Dedicated   X   Flex-Fuel      Dual-Fuel      Bi-Fuel      Gasoline   X   Diesel       
                   CNG      LNG      LPG      M85      Other (specify)       
 Exh Emiss Test Fuel(s): Indo   X   CBG      CNG      LPG      M85      Other (specify)       
                           Diesel: 13 CCR 2282      40 CFR 86.113-90      40 CFR 86.113-94       
 Evaporative Emission Test Procedure: California      Federal   X    
 Service Accum: Std AMA      Mod AMA      Mfr ADP      Other (specify) Assigned dffs  
 NMOG Test Procedure: N/A   N/A   Std      Equiv      R/L Test Proc: SHED   X   Pt Source       
 Engine Configuration:   V8   Displacement:   6   /   75   Liters   412   /      Cubic Inches  
 Valves per Cylinder:   2   Rated HP: Code A = 385HP at 4000 rpm  
   Code B = 300HP at 4000 rpm  
   Code C = 400HP at 4150 rpm  
   Code D = 420HP at 4000 rpm  
   Code E = 325HP at 4000 rpm  
 Engine: Front   X   Mid      Rear      Drive: FWD      RWD   X   4WD-FT      4WD-PT     

Exhaust ECS (e.g., MFI, EGR, TC, CAC): SFI/HO2S(2)WU-TWC+TWC/AIR/TC/CAC (Code A,C,D & E)  
SFI/HO2S(2)WU-TWC+TWC/AIR/TC(Code B)  
 (use abbreviations per SAE J1930 JUN93)

Engine Code (Also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. (M5,A4 etc)	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
	<b>Bentley</b>						
A,C,D/50S	Continental R		5700	11.7			
A,C,D/50S	Azure		6050	10.7			WU-TWC
A,B,C,D,E/50S	Brooklands R		6100	12.2			UE79281
D/50S	Continental T	ALL	5700	10.7	ALL		
C,D/50S	Continental SC	A4	6050	10.7	UV20485PA	N/A	
	<b>Rolls-Royce</b>						TWC
A,B,C,D,E/50S	Silver Spur		6100	12.2			UE79282
A,B,C,D,E/50S	Silver Spur Park Ward		6410	12.2			

Issue Date	15 May 96	Revision Date	14 Aug 96	14 May 97	15 Feb 98
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