



Workshop Manual Electrical

Rolls-Royce & Bentley motor cars



Rolls-Royce Silver Spirit
Rolls-Royce Silver Spur
Rolls-Royce Corniche
Rolls-Royce Corniche II
Bentley Eight
Bentley Mulsanne
Bentley Mulsanne S
Bentley Turbo R
Bentley Continental

1987 & 1988 model year cars

TSD 4701

May 1988



**Printed and Published by
Rolls-Royce Motor Cars Limited
Crewe
Cheshire
CW1 3PL
England**

The information in this document is correct at the time of going to print but in view of the Company's continuing efforts to develop and improve its products it may have become out of date by the time you read it and you should, therefore, refer to publication TSD 4736 Product Support Information.

The information given here must not be taken as forming part of or establishing any contractual or other commitment by Rolls-Royce Motor Cars Limited and no warranty or representation concerning the information is given.

© Rolls-Royce Motor Cars Limited 1988



Introduction

This workshop manual has been compiled to assist Service Personnel responsible for the maintenance of the electrical systems on 1987/88 model year Rolls-Royce and Bentley motor cars.

Information relating to any subsequent modifications will be circulated by the issue of amended or additional pages.

This manual incorporates issue record sheets. Reference must be made to these sheets when determining either the current issue date for a particular page, or the number of pages contained within a section.

Information on how to use the manual with regard to fault finding techniques, test equipment, safety precautions, and cable colour codes are contained within Section 2 General Information.

Throughout the manual reference is made to the right-hand and left-hand side of the car, this is determined when sitting in the driver's seat.

Service Personnel at Rolls-Royce Motor Cars Limited are always prepared to answer queries or give advice on individual servicing problems. When making an enquiry it is essential that the full vehicle identification number (VIN) is quoted.

The diagrams contained within this manual are shown in a schematic form. The only exception being the theoretical diagrams contained in Section 32.

If necessary this manual should be read in conjunction with publications TSD 4700 Workshop Manual and TSD 4737 Engine Management Systems.

When using this manual it will be noted that the pages do not contain reference to a particular car or specification. Therefore, reference **must always** be made to the Section contents page to determine which page is applicable to a particular model and specification of car.

Communications

All communications should be addressed to one of the following depending upon the car's domicile.

Rolls-Royce Motor Cars Limited
Crewe Cheshire CW1 3PL England
Telephone: 0270 255155
Telex: 36121
Fax: 0270 586548

Rolls-Royce Motor Cars International SA
Au Glapin
CH-1162 St-Prex Switzerland
Telephone: 021 8062731
Telex: 454216
Fax: 021 8062729

Rolls-Royce Motor Cars Inc.
P.O. Box 476 Lyndhurst
New Jersey 07071 USA
Telephone: 201 460 9600
Telex: 427788
Fax: 201 460 9392

Rolls-Royce Motor Cars (Canada) Limited/Limitée
3870 Rue Griffith Street St. Laurent
Quebec H4T 1A7 Canada
Telephone: 514 342 4332
Telex: 05 824130
Fax: 514 342 9973

Contents

Sections

- 1 Contents and issue record sheets
 - 2 General information (including Headlamps and lamp bulbs)
 - 3 Fuse identification
 - 4 Relays
 - 5 Power distribution system
 - 6 Passive restraint – seat belts
 - 7 Starting system
 - 8 Charging system
 - 9 Braking systems
 - 10 Headlamps
 - 11 Fog lamps
 - 12 Direction indicators and hazard warning
 - 13 Stop, reversing, side/position, and tail lamps
 - 14 Headlamp washers
 - 15 Windscreen wipers and washers
 - 16 Rear view door mirrors and rear window demister
 - 17 Centralized door locking system
 - 18 Window lifts
 - 19 Cigar lighters and fuel filler door release
 - 20 Warning lamps and instruments
 - 21 Panel illumination
 - 22 Horns
 - 23 Gearchange actuator
 - 24 Speed control system
 - 25 In car entertainment
 - 26 Cellular telephone
 - 27 Front seats
 - 28 Interior lamps and seat belt warning
 - 29 Power operated hood
 - 30 Auxiliary cooling fans
 - 31 Torque tightening figures and Workshop tools
 - 32 Theoretical wiring diagrams
- Note** Ignition system – refer to Workshop Manual TSD 4737 Engine Management Systems



Issue record sheet

The dates quoted (e.g. 9/86) refer to the issue date of individual pages within this manual

1	
Page	
1	9/88
2	
3	10/88
4	
5	10/88

2	
Page	
1	4/88
2	4/88

3	
Page	
1	7/87

4	
Page	
1	6/87
2	6/87
3	9/86
4	9/86
5	6/87
6	6/87
7	7/87
8	7/87
9	7/87
10	7/87

5	
Page	
1	9/87
2	9/87
3	9/87
4	9/87
5	9/87
6	9/87
7	9/87
8	9/87
9	9/87
10	9/87
11	9/87
12	9/87

6	
Page	
1	4/88
2	9/88
3	9/88
4	
5	4/88
6	4/88
7	4/88
8	4/88

7	
Page	
1	7/87
2	1/87
3	1/87
4	1/87
5	7/87
6	7/87
7	7/87
8	7/87
9	7/87
10	7/87
11	7/87
12	7/87
13	7/87

8	
Page	
1	9/87
2	9/87
3	9/87

9	
Page	
1	7/87
2	9/86
3	9/86
4	7/87
5	7/87
6	7/87
7	7/87
8	7/87
9	7/87
10	9/88
11	7/87
12	7/87
13	7/87
14	7/87

10	
Page	
1	9/87
2	1/87
3	9/86
4	9/86
5	9/86
6	2/87
7	2/87
8	2/87
9	2/87
10	2/87
11	2/87
12	6/87
13	6/87

11	
Page	
1	9/87
2	9/86
3	9/86
4	9/87
5	9/87

12	
Page	
1	6/87
2	9/86
3	2/87
4	6/87
5	7/87

13	
Page	
1	7/87
2	7/87
3	9/86
4	7/87
5	7/87
6	7/87
7	7/87
8	7/87

14	
Page	
1	9/87
2	9/86

15	
Page	
1	9/87
2	9/86
3	9/86
4	9/86
5	9/86
6	9/86
7	9/86
8	9/86
9	9/86
10	9/86
11	9/86
12	9/86
13	9/86
14	2/87
15	2/87
16	2/87
17	2/87
18	2/87
19	2/87
20	2/87
21	2/87
22	2/87
23	2/87
24	2/87
25	2/87

16	
Page	
1	9/87
2	9/86
3	9/86
4	9/86
5	6/87
6	4/87
7	4/87
8	4/87

17	
Page	
1	9/87
2	9/86
3	2/87
4	2/87
5	2/87
6	2/87
7	2/87

18	
Page	
1	12/87
2	2/87
3	9/88
4	4/88
5	2/87
6	9/86
7	2/87
8	2/87
9	2/87
10	2/87
11	2/87
12	2/87
13	2/87
14	12/87
15	12/87
16	12/87
17	12/87
18	12/87
19	12/87

19	
Page	
1	9/87
2	9/87
3	4/87

20	
Page	
1	9/88
2	12/87
3	12/87
4	12/87
5	12/87
6	12/87
7	12/87
8	12/87
9	12/87
10	12/87
11	12/87
12	12/87
13	12/87
14	12/87
15	12/87
16	12/87
17	12/87
18	12/87
19	12/87
20	12/87
21	12/87
22	12/87
23	12/87
24	12/87
25	12/87
26	12/87
27	12/87
28	12/87
29	9/88
30	9/88
31	9/88
32	9/88
33	9/88
34	9/88
35	9/88
36	9/88
37	9/88
38	9/88
39	9/88
40	9/88
41	9/88
42	9/88
43	9/88

21	
Page	
1	7/87
2	7/87
3	7/87
4	7/87
5	7/87
6	7/87
7	7/87
8	7/87
9	7/87
10	7/87
11	9/87
12	7/87
13	9/87



22

Page
1 7/87
2 7/87
3 7/87

23

Page
1 9/87
2 9/86

24

Page
1 9/87
2 4/87
3 6/87
4 7/87
5 7/87
6 7/87

25

Page
1 12/87
2 2/88
3 2/88
4 2/88
5 2/88
6 2/88
7 2/88
8 2/88
9 2/88
10 2/88
11 2/88
12 2/88
13 2/88

26

Page
1 9/87
2 9/86
3 9/87

27

Page
1 9/87
2 9/86
3 9/86
4 9/86
5 9/86
6 9/86
7 9/87
8 10/88
9 10/88
10 10/88
11 10/88
12 10/88
13 10/88

28

Page
1 7/87
2 2/87
3 6/87
4 2/87
5 2/87
6 6/87
7 6/87
8 6/87
9 10/88
10 6/87
11 6/87
12 6/87
13 6/87
14 6/87
15 6/87
16 6/87
17 6/87
18 7/87
19 7/87
20 9/87

29

Page
1 9/87
2 4/87
3 4/87

30

Page
1 9/87
2 2/87
3 4/87

31

Page
1 2/88

32

Page
1 7/87 22 7/87
2 23 9/87
3 9/86
4
5 9/86
6 9/86
7 9/86
8
9 9/86
10 9/86
11 1/87
12
13 1/87
14 1/87
15 6/87
16
17 9/87
18 9/87
19 7/87
20
21 7/87