



# **Automatic Gearbox Workshop Manual**

**Rolls-Royce Silver Dawn**  
**Rolls-Royce Silver Cloud I, II and III**  
**Rolls-Royce Phantom V and VI**  
**Bentley 'R' type**  
**Bentley S1, S2 and S3**  
**Bentley Continental**

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## PREFACE

The purpose of this Manual is to provide those responsible for the maintenance and overhaul of the Rolls-Royce and Bentley Automatic Gearbox with information on proved methods of servicing.

The Manual gives complete information on dismantling, assembling and adjusting the gearbox. In addition, it includes an explanation of the gearbox operation with a methodical sequence of fault investigation which is essential for quick and accurate diagnosis. Also included is a list of special tools which are designed to simplify the servicing and overhauling of the gearbox.

Subsequent information regarding modification or procedure will be brought to the notice of the reader through Service Bulletins which may be filed at the back of the Manual for reference. It is advisable to endorse the superseded information, thus ensuring that the later procedure only will be followed.

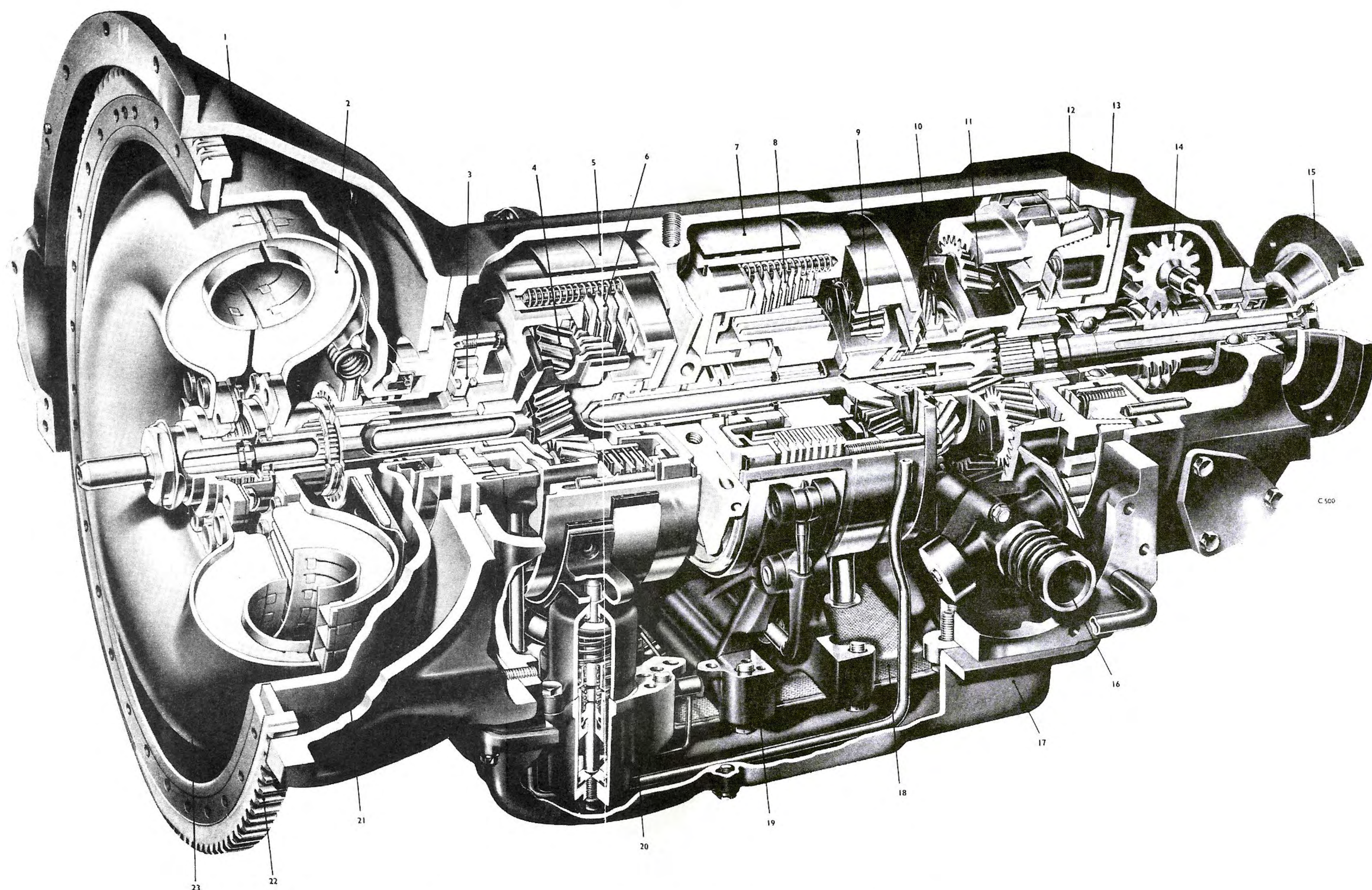
Service personnel at Pym's Lane, Crewe and Hythe Road, Willesden, London, N.W.10 are always prepared to answer queries or give advice on individual servicing problems, but it will assist them if queries are accompanied by the serial number of the gearbox and the chassis number of the car.

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# CHAPTER I

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|------------------------|---------------------------|--------------------|
| 1 BELL HOUSING         | 9 REAR EPICYCLIC UNIT     | 16 GOVERNOR        |
| 2 DRIVING TORUS        | 10 REAR PUMP DRIVE GEAR   | 17 OIL SUMP        |
| 3 FRONT PUMP           | 11 REVERSE EPICYCLIC UNIT | 18 SCAVENGE FILTER |
| 4 FRONT EPICYCLIC UNIT | 12 STATIONARY CONE        | 19 REAR SERVO      |
| 5 FRONT BAND           | 13 REVERSE CLUTCH PISTON  | 20 FRONT SERVO     |
| 6 FRONT CLUTCH         | 14 SPEEDOMETER DRIVE GEAR | 21 TORUS COVER     |
| 7 REAR BAND            | 15 OUTPUT FLANGE          | 22 STARTER RING    |
| 8 REAR CLUTCH          |                           | 23 DRIVEN TORUS    |

Fig. 1 The automatic gearbox