

Derby Bentley Society – technical paper compilation

B

Specifications & Special Tools

FACTORY

SERVICE INSTRUCTION LEAFLET

ISSUED BY

BENTLEY MOTORS (1931) LTD.



BM/B1.

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Subject : SCHEDULE OF WORKSHOP TOOLS
FOR
BENTLEY CARS.

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IMPORTANT

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All tools shown in this schedule are necessary in the course of repair work on the chassis types produced in the ten year period preceding 1939. These tools are listed in sections according to the unit for which their use is required and the sections are subdivided to show the appropriate tools for each model.

Tools have been classified in groups 'A' and 'M', and are marked with their classification in the column adjoining the Tool No. The groups are as follows:-

'A' These tools are necessary for general repair work and maintenance,

'M' These tools are for use in more comprehensive repair work including full dismantling of all units.

Information concerning the availability of these tools for purchase or hire, together with cost or hiring charges, may be obtained from the London Service Station.

ENGINE				
Tool No		Tool.	3½ Litre	4½ Litre
R 2883	A	Serrated Box Spanner - Crankshaft Damper Retaining Nut.	x	x
R.2879	A	Extractor - Crankshaft Damper.	x	x
R.2986	A	+ Mandrel " "	x	x
R.3138	A	Test Bar - " "	x	x
R.3166	A	Serrated Box Spanner - Dynamo Drive Retaining Nut.	x	x
R.3165	A	" " " - Idler Gear Ballrace Retaining Nut.	x	x
R 3173	A	Extractor - Cambalancer.	x	
R.2955	A	Mandrel - Clutch Centre Plate Alignment.		x
R.2984	A	" " " " "	x	
GEARBOX				
R.3181	M	Extractor - Diaphragm.	x	x
REAR AXLE				
R 3019	A	⌘ Holding Plock - Pinion.	x	x
R.2974	A	Serrated Box Spanner - Pinion Thrust Race Retaining Nut.	x	x
R.2962	A	Extractor - Driving Flange.	x	x
R 2963	A	" " "	x	x
R.3001	M	" - Differential End Plate.	x	x
R.3030	M	Serrated Box Spanner - Differential Thrust Brg. Retaining Nut.	x	x
R.3033	M	" " " - Differential Thrust Brg. Housing Nut.	x	x
R.3118	M	" " " - Diff.Housing Roller Race Retaining Nut.	x	x
R.3253	M	Setting Tool - Pinion.	x	x
+ = Used for the preliminary assembly and testing of the Crankshaft Damper. ⌘ = Used for the dismantling and assembly of the pinion and thrust races.				

HUBS				
Tool No.		Tool.	$3\frac{1}{2}$ Litre	$4\frac{1}{4}$ Litre
R.2516	A	+ Serrated Box Spanner - Retaining Ring(Front and Rear).	x	x
R.2849	A	Box Spanner - Axle Shaft and Axle Pivot Nuts.	x	x
R.2831	A	Extractor - Driving Dog.	x	x
R.2833	A	+ Three Pin Spanner - Rear Axle Tube Nut.	x	
R 2850	A	Extractor - Hub (Front and Rear).	x	x
R 2895	M	Cutter - Brake Lining.	x	x
STEERING AND SUSPENSION				
R.3189	M	Serrated Box Spanner - Steering Box Felt Washer Retaining Ring.	x	x
R.3191	A	Split Box Spanner - Steering Wheel Nut.	x	x
R.3140	A	Extractor - Drop Arm.	x	x
R.3195	M	x. " - Steering Box Inner Bush.	x	x
R.3637	M	" - Steering Wheel	x	x
R.3199	M	Clamps - Testing Steering Tube Poundage.	x	x
R.3204	M	Extractor - Shackle Pin Bushes.	x	x
+ :: Also used on $3\frac{1}{2}$ and $4\frac{1}{4}$ Litre Rear Axle Tube Nuts. + :: Used on AE and AH Chassis only. x. Not applicable to MR & MA Chassis.				