Repair Manual



R 850 C R 1200 C

BMW AG Motorcycle Division After Sales

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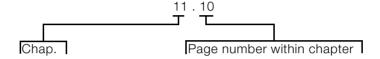
Introduction

This repair manual will help you to perform all the main maintenance and repair work correctly and efficiently. It should be consulted regularly by workshop personnel as an addition to the practical and theoretical knowledge obtained in Training School courses. It is a contribution towards achieving even higher Service quality.

A new issue of this repair manual will be published if amendments or additions (supplements) are needed. The latest issue date is shown in the header of the microfiche. Microfiches rendered invalid by the new issue should be destroyed without delay.

All information in both text and illustrations refers to motorcycles in standard condition or with Original BMW accessories installed, and not to motorcycles which have been modified in any way to depart from the manufacturer's specification.

- The repair manual is structured in the logical sequence of the work to be performed: Removal, Dismantling, Repair, Assembly, Installation.
- The entire contents are divided into individual chapters, corresponding to the Construction Groups.



- Work to be performed during an Inspection is described in Group 00. The various Inspection routines are numbered I, II, III and IV. This numbering is repeated in the work descriptions which follow, so that work can take place without interruption.
- Use of the BMW special tools needed for certain tasks is described in the work instructions.

If the need arises, repair instructions are also issued in the form of Service Information. This information is of course incorporated into the next issue of the repair manual. We also recommend you to consult the detailed illustrations on the Parts microfiches as an additional source of information.

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BMW AG Motorcycle Division Maintenance schedule R 1100 S / R 850/1200 C / R 1150 GS



		tion	E E	tion km	e S
Customer	Licence plate No.	nspect) km iles)	Service 10 000 miles)	nspect 0 000 miles	Servi
Order No.	Mechanic's signature	BMW Inspection at 1000 km (600 miles)	BMW S every 10 (6 000 m	BMW Inspection every 20 000 km (12 000 miles)	BMW Annual Service
Read the fault code memory with the MoDiTeC					
Change oil while at regular operating temperature and renew the oil filter element if motorcycle is used only for short journeys or at outside temperatures under 0°C (32 °F), every 3 months, but at least every 3 000 km (1 800 miles) *)					
Change oil in gearbox while at operating temperature at least every 2 years*)					every 2 years
Change oil in rear wheel drive while at regular operating temperature; if necessary, clean inductive sensor on rear wheel every 40 000 km (24 000 miles) or at least every 2 years *)				40 000 (24 000)	every 2 years
Renew fuel filter *) normally every 40 000 km (24 000 miles), if fuel	quality is poor every 20 000 km (12 000 miles)			40 000 (24 000)	
Check battery acid level, if necessary add distilled water Clean and grease the battery terminals, if necessary					
Renew intake air filter element in very dusty or dirty operating conditions, rene (6 000 miles) or even more often if necessary *					
Renew Poly-V belt *) renew Poly-V belt every 60 000 km (36 000 mile	s); do not adjust			60 000 (36 000)	
Check brake fluid level at front and rea	r and top up if necessary *)				
Check operation of brake system and free	edom from leaks; repair/replace items if nec. *)				
Examine brake pads and discs for wear, renew if necessary *)					
Change the brake fluid annually					
Check clutch fluid level					
Change the clutch fluid every 40 000 km (24 000 miles) or at least every	2 years *)			40 000 (24 000)	every 2 years
Check tightness of rear wheel studs					
Check rear wheel bearing play by tilting	g wheel				
Check swinging arm bearings (zero pla	y); adjust if necessary *)				
Grease the side stand pivot					
Check function of side stand contact s	witch				
Check condition of spark plugs					
Renew spark plugs *)					
Check security of cylinder head nuts					
Check/adjust valve clearances					
Check cable play Check synchronisation and eliminate le	aks *)				
 Lights and signalling equipment Telltale and warning lights Clutch, gear shift Front and rear brakes, steering Instruments If necessary, test ride 	nctional check: and spokes if applicable, tyre pressures				
*) Charged as an additional item					

BMW AG Motorcycle Division Pre-delivery check R 1100 S / R 850/1200 C / R 1150 GS



Customer Order No.	Licence plate No. Mechanic's signature	BMW Pre-delivery check		
Check the shipping crate for damage				
Motorcycle: - unpack - install remaining items - inspect for damage - check that delivery is complete:	tools documentation keys correct optional extras			
Fill and charge the battery (mark with				
Check engine oil level when cold; add				
Check clutch operating fluid level and				
Check headlight beam angle, adjust i				
Check security of rear wheel studs (comply with correct tightening torque				
Check tyre pressures				
Fill fuel tank				
Final inspection as functional check: - Clutch, gear shift - Front and rear brakes - Lights and signalling equipment, to - Check operation of optional extras - If necessary, test ride				
Confirm pre-delivery check in Service				
Final cleaning				
Motorcycle handed over on:				

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