



KOLBENSCHMIDT



## CYLINDER HEAD COVERS FOR BMW AND LAND ROVER

**TAKING RESPONSIBILITY** IN A CHANGING WORLD



**RHEINMETALL**

EVERYTHING FROM A SINGLE SOURCE –

CYLINDER HEAD COVER KIT

WITH REQUIRED ACCESSORIES



## CYLINDER HEAD COVERS FOR THE PERFECT REPAIR

Cylinder head covers are not typical wearing parts. Despite this, they may sometimes need to be changed, usually for one of the following reasons:

- **Heat and thermal stress:** High temperatures and temperature changes can lead to material fatigue and ruptures.
- **Mechanical influences:** Impacts or improper handling during servicing work can cause damage to the casing or the gaskets.
- **Gasket problems:** Defective, worn or chemically degraded gaskets can lead to oil leaks, which in turn can damage the engine.
- **Failure of the integrated crankcase ventilation:** A broken diaphragm results in the separation of oil and water no longer working properly, which increases the lubricating oil supply. This often generates a diagnostic trouble code.

For the aftermarket, Motorservice offers a high-quality solution:

- for our cylinder head covers, we use the same material as the OE. Using the same injection moulding raw materials means that the cylinder head covers have an almost identical weight and the same mechanical and chemical resistance.
- Special gasket parts have the same or better sealing and durability properties as the original gaskets. This guarantees a long-lasting sealing effect, even in low or high temperatures.
- The OE-compatible model allows the re-use of pressure regulators, sensors and other attachments.



Our cylinder head covers are delivered as kits with all the necessary components, such as screws, gaskets and caps – this makes carrying out the perfect repair much easier.

## PROGRAMME FOR BMW

Item no.	Manufacturer	Model	Model year	Engine	OE Ref No.
50 012 501	BMW	335i	2006–2013	N55 B30	11 12 7 570 292
		435i	2013–2016		
		535i	2009–2017		
		740i	2012–2015		
		X5	2014–2018		
50 012 502	BMW	328i	2013–2016	N20 B20	11 12 7 588 412
		420i	2014–2017		
		520i	2011–2016		
		X3	2012–2017		
		X4	2014–2018		
		X5	2015–2018		
50 012 503	BMW	120i	2008–2011	N46 B20	11 12 7 555 212 11 12 7 553 171
		320i	2010–2012		
		X1	2012–2014		
		Z4	2005–2009		
50 012 508	BMW	335i	2006–2013	N54 B30	11 12 7 565 284
		535i	2006–2009		
		740i/Li	2008–2012		
		X6	2008–2014		
		Z4	2009–2016		
50 012 512	BMW	116i	2011–2015	N13 B16	11 12 7 646 553
		316i	2013–		
50 012 513	BMW	325i	2004–2013	N52 B25 N52 B30	11 12 7 552 281
		330i	2004–2013		
		523Li	2006–2010		
		530Li	2011–2015		
		Z4	2009–2011		



## PROGRAMME FOR LAND ROVER

Item no.	Manufacturer	Model	Model year	Engine	OE Ref No.	
50 012 504	Land Rover	Range Rover IV	2012–	306DT	LR166340	
		Range Rover Sport II	2013–		LR105957	
		Discovery IV	2009–		LR116732	
50 012 505	Land Rover	Range Rover Sport I	2009–2013	306DT	LR166213	
		Range Rover IV	2009–		LR105956	
		Range Rover Sport II	2013–		LR097158	
		Discovery IV	2009–			
50 012 506	Land Rover	Range Rover Sport I	2009–2013	306DT	LR109354	
		Range Rover Sport II	2013–			
50 012 507	Land Rover	Range Rover Evoque	2011–2019	224DT	LR070360	
		Freelander 2	2006–2014			
50 012 509	Land Rover	Range Rover Sport I	2009–2013	306DT	LR109353	
		Range Rover Sport II	2013–			
50 012 510	Land Rover	Range Rover III	2009–2012	508PS	LR113201	
		Range Rover Sport I	2009–2013			
		Range Rover IV	2012–			
		Range Rover Sport II	2014–2018			
50 012 511	Land Rover	Range Rover III	2009–2012	508PS	LR113202	
		Range Rover Sport I	2009–2013			
		Range Rover IV	2012–			
		Range Rover Sport II	2014–			



**HEADQUARTERS:**

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