








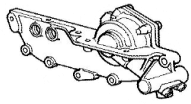
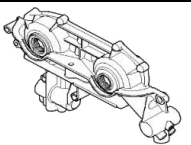
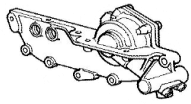
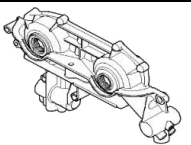
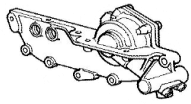
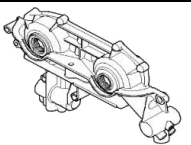
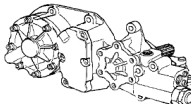
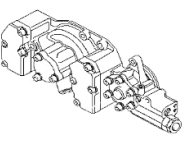
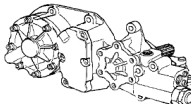
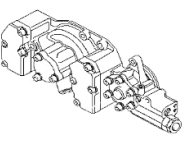
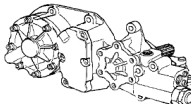
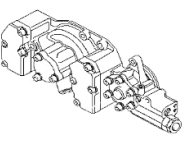
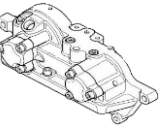
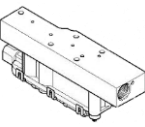
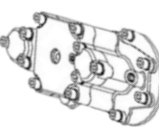
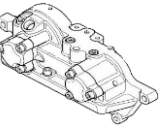
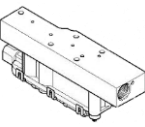
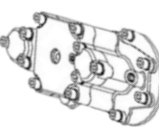
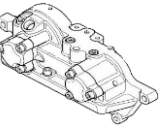
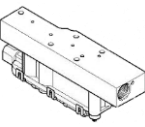
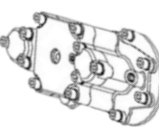






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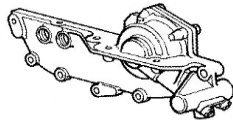
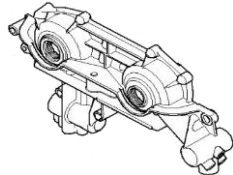
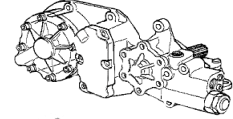
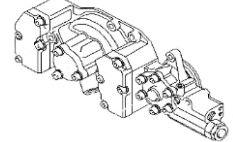
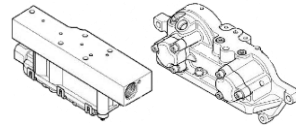
Type	bouwjaar	Motorcode	Type Vanos	Type	Bouwjaar	Motorcode	Type Vanos									
3-SERIE				X3												
E36	1991-2000	M50TU (1992-1995)	Single Vanos Vanos	E83	2003-2006	M54 (2003-2006)	Double Vanos									
		M52 (1995-2000)	Single Vanos Vanos													
		Euro S50 (1993-1995)	S50 Single Vanos													
		Euro S50 (1996-1999)	S50 Double Vanos													
E46	1998-2006	M52TU (1998-2000)	Double Vanos	X5												
		M54 (2000-2006)	Double Vanos	E53	1999-2006	M54 (1999-2006)	Double Vanos									
		S54 (2000-2006)	S54 Vanos			M62TU (2000-2004)	M62TU									
5-SERIE				Z3												
E34	1988-1996	M50TU (1992-1996)	Single Vanos	E36 (2,2/2,5/2,8/3,0 ltr)	1996-2003	M52 (1996-1998)	Single Vanos									
						M52TU (1999-2000)	Double Vanos									
						M54 (2001-2003)	Double Vanos									
E39	1995-2004	M52 (1996-1998)	Single Vanos			S50 (1997-2000)	S50 Double Vanos									
		M52TU (1999-2000)	Double Vanos			S54 (2001-2003)	S54 Vanos									
		M54 (2001-2004)	Double Vanos	Z4												
		S62 (1999-2003)	S62 Vanos	E89	2002-	M54 (2002-2006)	Double Vanos									
		M62TU (1998-2003)	M62TU			S54 (2006-2009)	S54 Vanos									
E60/E61	2003-2010	M54 (2003-2005)	Double Vanos													
				<table border="1"> <thead> <tr> <th>Single Vanos</th> <th>1991-2006</th> <th>Double Vanos</th> <th>1999-2006</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Single Vanos	1991-2006	Double Vanos	1999-2006							
Single Vanos	1991-2006	Double Vanos	1999-2006													
																
7-SERIE				<table border="1"> <thead> <tr> <th>Euro S50 single</th> <th>1993-2000</th> <th>Euro S50 double</th> <th>1996-1999</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Euro S50 single	1993-2000	Euro S50 double	1996-1999					
Euro S50 single	1993-2000	Euro S50 double	1996-1999													
																
E38	1994-2001	M52 (1994-1998)	Single Vanos	<table border="1"> <thead> <tr> <th>S54 Vanos</th> <th>2000-2009</th> <th>S62</th> <th>1999-2003</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		S54 Vanos	2000-2009	S62	1999-2003							
S54 Vanos	2000-2009	S62	1999-2003													
																
		M52TU (1998-2001)	Double Vanos													
		M62TU (1998-2001)	M62TU													
E65/E66	2001-2008	M54 (2003-2005)	Double Vanos													
																



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Voertuig type	VANOS type	Bouwjaar	Motorcode	Cilinder inhoud	Vermogen	Afbeelding	
3 (E36) 320i	Single Vanos	1992 - 1994	M50TUB20	1991cc	110kW		
3 (E36) 325i	Single Vanos	1992 - 1995	M50TUB25	2494cc	141kW		
3 (E36) 320i	Single Vanos	1994 - 2001	M52 B20	1991cc	110kW		
3 (E36) 323i	Single Vanos	1995 - 2000	M52 B25	2494cc	125kW		
5 (E34) 520i	Single Vanos	1992 - 1996	M50TUB20	1991cc	110kW		
5 (E34) 525i	Single Vanos	1992 - 1996	M50TUB25	2494cc	144kW		
5 (E39) 520i	Single Vanos	1996 - 1999	M52 B20 (206S3)	1991cc	110kW		
5 (E39) 523i	Single Vanos	1996 - 1999	M52 B25 (256S3)	2494cc	125kW		
5 (E39) 528i	Single Vanos	1996 - 1999	M52 B28 (286S1)	2793cc	142kW		
7 (E38) 728i, iL	Single Vanos	1995 - 1998	M52 B28	2793cc	142kW		
Z3 (E36) 2.8i	Single Vanos	1997 - 1999	M52 B28	2793cc	141kW		
3 (E36) 323ti Compact	Double Vanos	1999 - 2001	M52 B25 TU	2494cc	125kW		
3 (E46) 320i, Ci	Double Vanos	1998 - 2001	M52 B20 TU	1991cc	110kW		
3 (E46) 320i, Ci	Double Vanos	2000 - 2006	M54 B22	2171cc	125kW		
3 (E46) 323i, Ci	Double Vanos	1998 - 2001	M52 B25 TU	2494cc	125kW		
3 (E46) 325i, Ci	Double Vanos	2000 - 2006	M54 B25	2494cc	141kW		
3 (E46) 325ti	Double Vanos	2000 - 2005	M54 B25	2494cc	141kW		
3 (E46) 325xi	Double Vanos	2000 - 2006	M54 B25	2494cc	141kW		
3 (E46) 328i, Ci	Double Vanos	1998 - 2001	M52 B28 TU	2793cc	142kW		
3 (E46) 330i, Ci	Double Vanos	2000 - 2006	M54 B30	2979cc	170kW		
3 (E46) 330xi	Double Vanos	2000 - 2006	M54 B30	2979cc	170kW		
5 (E39) 520i	Double Vanos	1998 - 2003	M52 B20 TU (206S4)	1991cc	110kW		
5 (E39) 520i	Double Vanos	1998 - 1999	M52 B20 TU (206S4)	1991cc	100kW		
5 (E39) 520i	Double Vanos	2000 - 2004	M54 B22 (226S1)	2171cc	125kW		
5 (E39) 523i	Double Vanos	1998 - 2003	M52 B25 TU (256S4)	2494cc	125kW		
5 (E39) 525i	Double Vanos	2000 - 2004	M54 B25 (256S5)	2494cc	141kW		
5 (E39) 528i	Double Vanos	1998 - 2001	M52 B28 TU (286S2)	2793cc	142kW		
5 (E39) 530i	Double Vanos	2000 - 2004	M54 B30 (306S3)	2979cc	170kW		
5 (E60, E61) 520i	Double Vanos	2003 - 2005	M54 B22	2171cc	125kW		
5 (E60, E61) 525i	Double Vanos	2003 - 2005	M54 B25	2494cc	141kW		
5 (E60, E61) 530i	Double Vanos	2003 - 2005	M54 B30	2979cc	170kW		
7 (E38) 728i, iL	Double Vanos	1998 - 2001	M52 B28 TU	2793cc	142kW		
7 (E65, E66) 730i, Li	Double Vanos	2002 - 2005	M54 B30	2979cc	170kW		
X3 (E83) 2.5i	Double Vanos	2004 - 2007	M54 B25	2494cc	141kW		
X3 (E83) 3.0i	Double Vanos	2004 - 2007	M54 B30	2979cc	170kW		
X5 (E53) 3.0i	Double Vanos	2000 - 2007	M54 B30	2979cc	170kW		
Z3 (E36) 2.0i	Double Vanos	1999 - 2001	M52 B20 TU	1991cc	110kW		
Z3 (E36) 2.2i	Double Vanos	2000 - 2002	M54 B22	2171cc	125kW		
Z3 (E36) 2.8i	Double Vanos	1998 - 2001	M52 B28 TU	2793cc	142kW		
Z3 (E36) 3.0i	Double Vanos	2000 - 2002	M54 B30	2979cc	170kW		
Z4 (E85, E86) 2.2i	Double Vanos	2003 - 2007	M54 B22	2171cc	125kW		
Z4 (E85, E86) 2.5i	Double Vanos	2003 - 2009	M54 B25	2494cc	141kW		
Z4 (E85, E86) 3.0i	Double Vanos	2003 - 2007	M54 B30	2979cc	170kW		
3 (E36) M3	S50 Single Vanos	1992 - 1996	S50 B30	2990cc	210kW		
3 (E36) M3 GT	S50 Single Vanos	1995 - 1996	S50 B30	3000cc	217kW		
3 (E36) M3	S50 Double Vanos	1995 - 2000	S50 B32	3201cc	236kW		
Z3 (E36) M	S50 Double Vanos	1997 - 2001	S50 B32	3201cc	236kW		
3 (E46) M3	S54 Vanos	2000 - 2007	S54 B32	3246cc	252kW		
3 (E46) M3 CSL	S54 Vanos	2003 - 2006	S54 B32	3246cc	265kW		
Z3 (E36) M	S54 Vanos	2000 - 2002	S54 B32	3246cc	239kW		
Z4 (E85, E86) M Coupe	S54 Vanos	2006 - 2009	S54 B32	3246cc	252kW		
5 (E39) 535i	M62TU Vanos	1998 - 2003	M62 B35 TU (358S2)	3498cc	180kW	No picture	
5 (E39) 540i	M62TU Vanos	1998 - 2003	M62 B44 TU (448S2)	4398cc	210kW		
7 (E38) 735i, iL	M62TU Vanos	1998 - 2001	M62 B35 TU	3498cc	175kW		
7 (E38) 740i, iL	M62TU Vanos	1998 - 2001	M62 B44 TU	4398cc	210kW		
X5 (E53) 4.4i	M62TU Vanos	2000 - 2004	M62 B44 TU	4398cc	210kW		
5 (E39) M5	S62 Vanos	1998 - 2003	S62 B50 (508S1)	4941cc	294kW	