

*US Spec BMW Engine Reference Chart for **M50, M50 TU, M52, M52 TU, M54, S50, S52, S54***

Chassis	Model	Body	Years	Engine	Vanos	Liter	Valve Stems	Block	OBD 1 or 2
<b>E36</b>	<b>325i</b>	Sedan	1992 Only	M50 B25	Non Vanos	2.5 Liter	7mm	Cast Iron	
<b>E34</b>	<b>525i</b>	Sedan	1991 - 1992	M50 B25	Non Vanos	2.5 Liter	7mm	Cast Iron	
<b>E36</b>	<b>325i</b>	Coupe/Sedan	1993 - 1995	M50 TU B25	Single Vanos Intake	2.5 Liter	6mm	Cast Iron	OBD1
<b>E36</b>	<b>328i, 323i</b>	Coupe/Sedan/Conv	1996 - 1999	M50 TU B25 B28	Single Vanos Intake	2.5, 2.8 Liter	6mm	Cast Iron	OBD2
<b>E39</b>	<b>528i</b>	Sedan	1996 - 1998	M52 B28	Single Vanos Intake	2.8 Liter	6mm	Cast Iron	OBD2
<b>E36</b>	<b>M3</b>	Coupe	1995	S50 B30	Single Vanos Intake	3.0 Liter	6mm	Cast Iron	OBD1
<b>E36</b>	<b>M3</b>	Coupe/Sedan/Conv	1996 - 1999	S52 B32	Single Vanos Intake	3.2 Liter	6mm	Cast Iron	OBD2
<b>E36/7</b>	<b>Z3</b>	Coupe/Roadster	1996 - 1998	M52 B28	Single Vanos Intake	2.8 Liter	6mm	Cast Iron, Alum M52 in '97 Only	OBD2
<b>E36/7</b>	<b>MZ3</b>	Coupe/Roadster	1998 - 2000	S52 B32	Single Vanos Intake	3.2 Liter	6mm	Aluminum	OBD2
<b>E39</b>	<b>528i</b>	Sedan	1999	M52 TU B28	Dual Vanos	2.8 Liter	6mm	Aluminum	OBD2
<b>E39</b>	<b>530, 525i</b>	Sedan	2000 - 2004	M54 B25 B30	Dual Vanos	2.5, 3.0 Liter	6mm	Aluminum	OBD2
<b>E36/7</b>	<b>Z3</b>	Coupe/Roadster	1999 - 2002	M54 B25 B30	Dual Vanos	2.5, 3.0 Liter	6mm	Cast Iron	OBD2
<b>E36/7</b>	<b>MZ3</b>	Coupe/Roadster	2001 - 2002	S54 B32	Dual Vanos	3.2 liter	6mm	Cast Iron	OBD2
<b>E46</b>	<b>323i, 328i,</b>	Sedan	1999	M52 TU B25, B28	Dual Vanos	2.5, 2.8 Liter	6mm	Aluminum	OBD2
<b>E46</b>	<b>325i, 330i</b>	Coupe/Sedan/Conv	2000 - 2006	M54 B25 B30	Dual Vanos	2.5, 3.0 Liter	6mm	Aluminum	OBD2
<b>E46</b>	<b>M3</b>	Coupe	2000 - 2006	S54 B32	Dual Vanos	3.2 Liter	6mm	Cast Iron	OBD2
<b>E85</b>	<b>Z4</b>	Coupe/Roadster	2002 - 2005	M54	Dual Vanos	3.0 Liter	6mm	Aluminum	OBD2

**Note:** This chart does NOT include any N52 or later engines