Maintenance and General Hints

This Service Information bulletins supersedes S.I. 00 22 92 dated January 2000.

## SUBJECT Spark Plug/Engine Oil Capacity Reference Chart

Service Engineering

MODEL All

**SITUATION** Attached is an update to the quick reference chart which includes all current spark plug

applications and engine oil capacities.

Description Order # Cost

Spark Plug/Engine Oil CapacityReference SD 92-016 \$3.00 each

Chart (Chrome Coated)

Requests for additional copies (chrome coated) should be sent to:

Service Engineering

BMW of North America, Inc.

1 BMW Plaza

Montvale, NJ 07645

Fax Number: (201) 930-8401

A preprinted form is attached for your convenience.

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	Sperk Plug	Plug Getp	U.S. Model	Spark Plug	Plug Gap
002 Tii,	Bosch WBDC	.024"028" (0.6 - 0.7 mm)	6 Series		
2500, 2500 Bavaria,			630CSi (E24) M30 All	Boech WBDC	.024*028* (0.6 - 0.7 mm)
3.0 Bavarla, 3.0C, 3.03i			639CSI (E24) M30 AII78 - 79	Bosch W9D	.024*026* (0.6 - 0.7 mm)
3 Series			633CSi (E24) M30 All '80 - '81	Bosch WR9DS	.024*028* (0.6 - 0.7 mm)
318i (E30, E38) M42 All	Bostoh F7LDCR	Non-adjustable	633/635 CSi (E24) M30 All '82 . '84	Bosch WR9LS	028*032* (0.7 - 0.8 mm)
	NGK BKR8EK	_	835 CSI (E24) M30 '88" - '89"	Bosch WELCHWIRPH (+)	028*032* (0.7 - 0.8 mm)
318i (E30) M10 Ali	Bosch WR9DS	.032" · .036" [0.8 - 0.9 mm]	M6 (E24) S38	Bosch X5DC	.024"028" (0.6 0.7 mm)
318i, Z3 (E36) M44 All	Bosch F7LDCR	Non-adjustable	7 Series	A CONTRACTOR OF THE CONTRACTOR	
	NGK BKRBEK	Non-adjustable	738i (E23) M30 AII79-79	Bosoh W@D	.024"028" (0.6 - 0.7 mm)
320i (E21) M10 All 77 - 79	Bosch W9D	.024" · .028" [0.6 - 0.7 mm)	733i (E23) N30 All '80 - '81	Bosch WR9DS	.024"026" (0.6 - 0.7 mm)
320i (E21) M10 All '80-'83	Bosch WR9DS	.024"028" (0.6 - 0.7 mm)	733i / 735 (E23) M30 All '82 - '84	Bosch WR9LS	.028"032" (0.7 – 0.8 mm)
325e (E30) M20 All	Bosoh WROLS	.028"032" (0.7 - 0.8 mm)	735i(E32) M30 All	Bosch W8LCR / W8LPR (+)	.028"032" (0.7 - 0.8 mm)
325e (E30) M20 AII*	Bosch WBCLR	.028"032" (0.7 - 0.8 mm)	740i (E32) N60 All	Bosch F7LDCR	Non-adjustable
325i (E30) M20 All	Bosch WBCLPfWBLPR (+)	.028" · .032" (0.7 – 0.8 mm)	M M	NGK BKH6EK	Non-adjustable
325iX (E30) M20 All	Bosch WBCLP/WBLPR (+)	.028"032" (0.7 - 0.8 mm)	740i (E38) M60 All	Bosch F7LDCR	Non-adjustable
M3 (E30) 814	Bosch X5DC	.024"028" (0.6 - 0.7 mm)		NGK BKH6EK	Non-adjustable
325i (E36) M50 All	Bosch F7LDCR	Non-adjustable	7401 (E38) M62 All up to 7197	Bosch F7LDCR	Non-adjustable
	NGK BKHDEK	Non-adjustable		NGK BRABER	Non-adjustable
323, 328, Z3 (E36) M52 All	Bosch FBLDCR	Non-adjustable	740i (E38) M62 All from 7/97	Bosch FBLDCR	Non-adjustable
23 (E36) MSZTU, MS4 AII	NGK BKRBEQUP	Non-adjustable	740i (E36) MEETU Ali	NGK BKREEQUP	
323i,325i,328i,330i(E46) M52TU,M54 All		Non-adjustable	750i (E32) M70 All	Bosch FBLCR	.028032 (0.7 - 0.8 mm)
M3 (E36) S50	Bosch F7LDCR	Non-adjustable	750i (E38) M73 All	Bosch F9LCR2	Non-adjustable
	NGK BKP6EK	Non-adjustable	750i (E38) M73TU AII	NGK BKR6ECUP	Non-adjustable
M3, M roadster, M coupe (E36) S52 At	Bosch FORBKOC	Non-adjustable	8 Series		
M3 (E46), M roadster, M coupe S54 Al	NGK DCPR8EKP	Non-adjustable	840Ci (E31) M6d All	Basch F7LDCR	Non-adjustable
6 Series				NGK BKR6EK	Non-adjustable
528e (E28) M20 All '82 - '87	Bosch WR9LS	.028"032" (0.7 - 0.8 mm)	840Ci (E31) M62 All	Boach F7LDCR	
528e (E28) M20 All 1988*	Bosch W8LCR	.028"032" (0.7 - 0.8 mm)	850I (E31) M70 All	Bosch FBLCR	.028" · .032" (0.7 - 0.8 mm)
	Bosch WgD	.024"028" (0.6 - 0.7 mm)	850i (E31) M73 All	Bosch F9LCR2	Non-adjustable
18, - 08,	Bosch WR9DS	.024"028" (0.6 - 0.7 mm)	850CSI (E31) S70	Basch FBLCR2	Non-adjustable
	Bosch WLCR / WBLPR (+)	.028"032" (0.7 – 0.8 mm)	BAV		
525i (E34) M50 Ali	Bosch F7LDCR	Non-adjustable	X5 (E53) M6ZTU, M54 All	NGK BKR6EQUP	Non-adjustable
	NGK BKR6EK	Non-adjustable	* With Motronic M1.1		
	Boech FBLDCR	Non-adjustable	(+) M20 and M30 engines - platinum spark plugs may be used in place of the standard type.	s epark pluge may be used in ple	toe of the standard type.
39) M52TU, M54 AII	NGK BKREEQUP	Non-adjustable		SPECIAL NOTES	
	Bosch W8DC	.024"028" (0.6 - 0.7 mm)	The RMW Special Tool combi	The BMW Special Tool combinations listed below will facilitate spark plus histaliation.	espark plus Installation.
530i (E34) M60 All	Bosch F7LDCR	Non-adjustable			
	NGK BKRBEK	Non-adjustable	Engine Tool Number	Engine	
5331 / 5351 (E28) M30 AI 83 - 88	Bosch WR9LS	U28 U32 (U.7 - 0.8 mm)	M10 3 90.88 6 121 200	7	^
	BOSCH WLCA! WBLPH (+)	U28 - U32 (U./ - 0.8 mm)	•		Med
6-40i (E3-4) M60 AII	Boach F7LDCR	Non-adjustable	M30 standard (13/16') spark plug socket	park plug socieet 350, 352, 354	(MTO tools) and
5.402 (E30) MG3 All up to 7/07	Booch F7 INS	Mon-editorable	C11 100 00 00 101 1770	MAD MAD	
	NGK BKR6EK	Non-adjustable	•	S70. S82	
m 7/07	Bosoh FBLDCR	Non-adjustable	\$38 88 8121 160		`
ZTU All	NGK BKR6EQUP	Non-adjustable	(638 tool)		
	Bosch X5DC	.024"028" (0.6 - 0.7 mm)	2. Torque specifications for unlu	Torque specifications for unlubricated spark plugs (I.e., no cil, grease, etc. on threads)	grease, etc. on threads)
	Bosch YBDC	.024"028" (0.6 - 0.7 mm)	Standard Engines:		rgines:
Z8 (E62) S62	NGK BKR6EQUP	Non-adjustable	Spark Plug Thread - M14 x 1.25		Spark Plug Thread - M12 x 1.25
Rev 10/00			81 ± 2Nm (23 ± 1.5 fulb)	1) www 12	7 ± 2.2 (VID)

		M10	M20	NZ1	M30	M42/44	M50/52/54	M60/52	M70/S70	M73	514	538	\$50/52/54	362
	EZSYMS		4.50 (4.25)	6.0 (8.7)	6.0 (6.75)							6.0 (5.75)		
	E30/M3	4.25 (4.0)	4.50 (4.25)			5.25 (5.0)					4.65 (4.40)		97 90 9	
(54	E3							8.0 (7.5)	8.0 (7.5)	8.5 (8.0)		- 66		
atil) :	E12				6.0 (6.75)			8.0 (7.6)	(5'2) 0'8					
quent	E34/M5		4.50 (4.25)		6.0 (5.75)		6.0 (5.75)	8.0 (7.5)				6.0 (5.75)		
S.U.S.	E36/					6.26 (6.0)	7.0 (6.6)						7.0 (6.5)	
ii aeitio	22 15												b) 6.3 (6.0) c) 5.25 (5.0)	
edec	E18							8.0 (7.5)		8.5 (8.0)		778 345 745		8 18
IIO	ESS/MS						7.0 (6.5)	6.0 (7.5)				3760	2	7.0 (6.5)
	E46						7.0 (6.5) al 8.0 (7.5)						5.25 (5.0)	
	E\$2													8.0 (7.5)
	E63						7.0 (6.5)	8.5 (8.0)			2000			
90	E287M5		11 43 1 716 963	11432341604	1) 11 43 1 266 740 2) 11 43 1 7 18 861							11431307189		
(10	ESOMS	11 43 1 238 381	11 43 1 718 863			3)11431734800					14 43 1 349 167			
quin	ă							11 43 1 438 230	11 43 1715 916	11 43 1741 615				
N Ne	E32				11 43 1 714 861			11 43 1 430 230	11 43 1715 916		8 2			
es (b	E34/N6		11 43 1 718 163		11 43 1 718 861		11431720875	11 63 1 436 230				11431316088		
oged	E\$6/					6) 11431 734 781	11431427983						b) 11 43 1 427 985 c) 11 41 7 831 440	
a ec	E38							11 43 1 436 230		11 43 1 741 816				
Bujp	E38/M5						1) 11 45 1435 214	7) 11 43 1 438 230						11431407931
uode	E46						10) 11 43 1 433 453					8	11 43 7 831 140	
emo	Ete						4) 11 43 7 636 719							
0	E62								6000000					11) 11 43 7 830 070 12) 11 43 7 832 204
	ES3						11437 109628	11 43 7 806 464			20			
553		Esplanations:	at Al Wheel Drive by 652 of 654	1) = up to sireo 2) = affer Nos 3) = up to sirao 4) = affer Nos 5) = up to 1/54 6) = affer 1/54	7) = up to 996 6) = after 986 9) = 409, MSZ 10] = 409 11] = up to 600 12] = after 600			200 20000000	All capacities listes Note: See Fedani coder after repairs	intable above are bail Dear (Groupt 1) have been perform	All oppesities listed intable stone are in U.S. quarte and (lister) instude of siter change. Nate: See Technical Des (Strugst 1) for proper of capacity for vehicles equipped with or cooling after repair have been performed i.e. replacement/fiething of oil cooler, lines, etc.	itero) indude of file by for vehicles equi freeling of all code	All oppedities listed in table above are in U.S. quarts and (titers) invalute of filer change.  Mater: See Technical Des (Simugit 1) for proper of expansity for vehicles equipped with an engine ell cooks after reputs have been performed i.e. replacersent/fineling of all cooks, limes, etc.	8 11 93 U 62 Rev. 1100