

# NGK

## SPARK PLUGS



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SPARK PLUG  
CATALOGUE  
2020/21



IGNITE YOUR SPIRIT



**Standard**  
OEM  
Spark Plugs



**G-Power®**  
Superior Performance  
Spark Plug



**Iridium IX®**  
Ultimate Performance  
Spark Plug

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4 WHEELER

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2 WHEELER

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COMMERCIAL & INDUSTRIAL

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MARINE



“**NGK  
ALWAYS  
MY CHOICE**”

**LEONA CHIN**  
Malaysia Motorsports Athlete



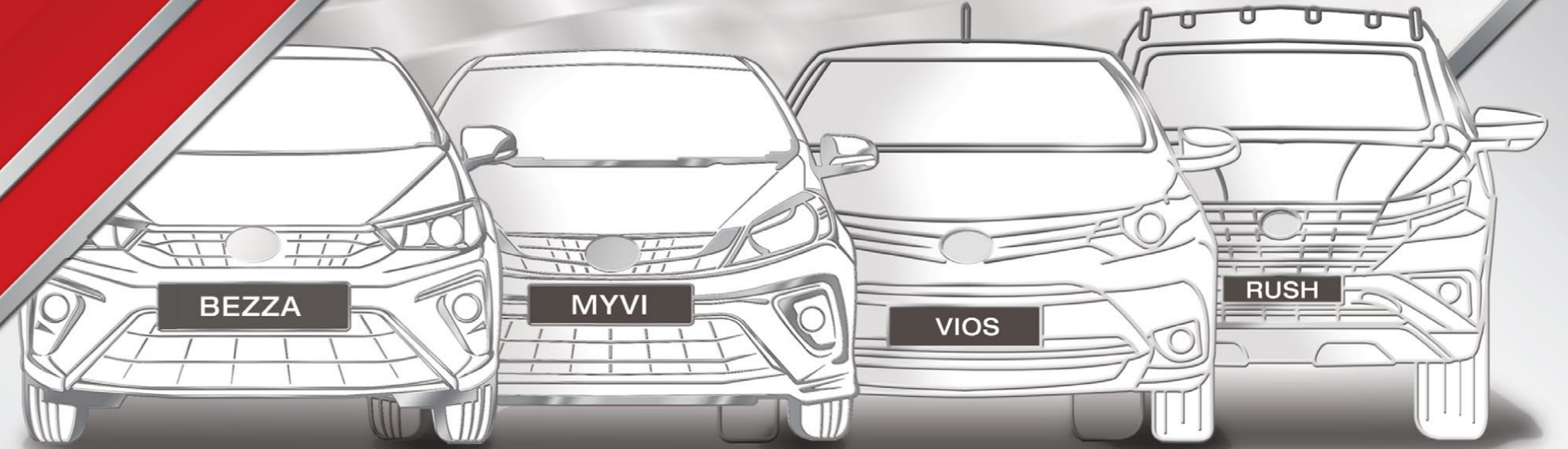
IGNITE YOUR SPIRIT

“PERFECT FITS FOR TOYOTA & PERODUA”



*leona*

LEONA CHIN  
Malaysia Motorsports Athlete



**G-Power**  
LKAR6AGP  
Platinum Alloy  
Spark Plugs



**Iridium IX**  
LKAR6AIX-11  
Iridium Alloy  
Spark Plugs



**Laser Iridium  
(OE Equivalent)**  
ILKAR6B11  
Double Precious Metal  
Spark Plugs



**Iridium Max**  
DF6H-11B  
Double Precious Metal +  
Double Fine Electrode  
Spark Plugs



ALFA ROMEO  
ASTON MARTIN  
AUDI  
BENTLEY

BMW  
CHEVROLET  
CHERY ALADO  
CITREON

DAIHATSU  
FIAT  
FORD  
HONDA

HYUNDAI  
NAZA / KIA  
LAMBORGHINI  
LOTUS

MASERATI  
MAZDA  
MERCEDES BENZ  
MITSUBISHI

NISSAN  
OPEL  
PERODUA  
PEUGEOT

PORSCHE  
PROTON  
RENAULT  
ROLLS ROYCE

ROVER  
SSANGYONG  
SUZUKI  
SUBARU

TOYOTA  
ISUZU  
VOLKSWAGEN  
VOLVO

4  
WHEELER



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
ALFA ROMEO	145	2000	16V TWIN SPARK	191996.2~	BKR6EKPA + PMR7A	-	BKR6EIX+
	146	2000	16V TWIN SPARK	1996.12~	BKR6EKPA + PMR7A	-	BKR6EIX+
	147	2000	AR 32310	2000.11~	BKR6EKPA + PMR7A	-	BKR6EIX+
	149	1400	TURBO MULTIAIR	2010.3~	IKR9F8	-	-
	155	2000	16V TWIN SPARK	1997.5~	BKR6EKPA + PMR7A	-	BKR6EIX+
	156	2000	JTS 16 VALVE	2001.11~	BKR6EKPA	BKR6EGP	BKR6EIX
	159	1900	JTS 16V	2005.7~	FR5CP	-	-
		2200	JTS 16V	2005.7~	FR5CP	-	-
	164	3000	8V TWIN SPARK	1997.9~	BCP6ES	-	BCPR6EIX
			V6 TURBO	1997.9~	BP7ES	-	BPR7EIX
	166	2000	V6	-	BP5ES	BPR5EGP	BPR5EIX
			SUPER 24V/V6Q/V6Q4	-	PFR6B	BKR6EGP	BKR6EIX
	BRERA	2200	V6 24V/Q4	1997.9~	PFR6B	BKR6EGP	BKR6EIX
			16V TWIN SPARK	-	PFR6B	BKR6EGP	BKR6EIX
	GT	2000	V6 TURBO	1998.11~	BP6E	BPR6EGP	BPR6EIX
			JTS	2005.9~	FR5CP	BKR5EGP	BKR5EIX
	GTV	2000	JTS	2003.12~	BKR6EKPA	BKR6EGP	BKR6EIX
			16V TWIN SPARK	-	PFR6B	BKR6EGP	BKR6EIX
	MITO	1400	V6 12 VALVE TURBO	1997.9~	BKR6EKPA + PMR7A	-	BKR6EIX+
			V6 TURBO L	1998.6~	BP6E	BPR6EGP	BPR6EIX
SPIDER	3000	V6 TB	-	BP7ES	-	BPR7EIX	
		JTS 16 VALVE	2003.6~	BKR6EKPA	BKR6EGP	BKR6EIX	
DB7	6000	MULTIAIR 105 CV	2009.8~	DCPR7E-N-10	-	-	
		TURBO MULTIAIR 135CV	2009.8~	IKR9F8	-	-	
DB9	6000	TURBO 170CV MAIR Q.V	2009.12~	IKR9F8	-	-	
		V6 24V	1998.6~2004	PFR6B	BKR6EGP	BKR6EIX	
VANQUISH	6000	V12	1999.7~	PTR6E-13	-	-	
		V12	2003.1~	PTR6D-13	-	-	
VANTAGE	5300	V12	2006~	PTR6D-13	-	-	
		V8	-	BCR8ES	-	-	
VOLANTE	5300	V8	-	BKR6E	BKR6EGP	BKR6EIX	
		A1	1400	CAX	PZFR6R	-	-
A3	1600	DLA-8V	2015.11	PZKER7A8EGS	-	-	
		BFQ	2002.5~2003.6	BKUR6ET-10	BKR6EGP	BKR6EIX-11	

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
AUDI	A3	2000	BGU	2003.5~2005.5	BKUR6ET-10	BKR6EGP	BKR6EIX-11
			BSE, BSF	2005.6~	BKUR6ET-10	BKR6EGP	BKR6EIX-11
			AGN	1996.9~	BKUR6ET-10	BKR6EGP	BKR6EIX-11
			APG	1999.11~2003.6	PFR6Q	BKR6EGP	BKR6EIX
			FSI (AXW, BLX, BMB)	2003.5~2004.5	PZFR5N-11T	-	-
			FSI (BLY)	2004.6~2005.11	BKR6E	BKR6EGP	BKR6EIX
			FSI (BLR)	2005.1~2005.11	PZFR5N-11T	-	-
			FSI (BVY)	2005.11~	PZFR5N-11T	-	-
			FSI (BVZ)	2005.11~	BKR6E	BKR6EGP	BKR6EIX
			TFSI (AXX)	2004.9~2005.10	PFR6Q	BKR6EGP	BKR6EIX
	A4	2000	TFSI (BWA)	2005.11~	PFR6Q	BKR6EGP	BKR6EIX
			AJL	1997.8~	BKUR6ET	BKR6EGP	BKR6EIX
			AFY	1995.8~1998.12	BKUR6ET	BKR6EGP	BKR6EIX
			ADR, APT, APW, ARG	1994.11~1999.4	BKUR6ET-10	BKR6EGP	BKR6EIX-11
			AWT	2000.6~2000.10	PFR6Q	BKR6EGP	BKR6EIX
			AVJ	2000.12~2002.8	PFR6Q	BKR6EGP	BKR6EIX
			AVV	2000.6~2001.9	BKUR6ET-10	BKR6EGP	BKR6EIX-11
			BFB, BEX	2002.7~	PFR6Q	BKR6EGP	BKR6EIX
			TURBO (AEB)	1994.11~	BKUR6ET	BKR6EGP	BKR6EIX
			TURBO (AJL, ANB, APU, AQC, ARQ)	1998.2~	PFR6Q	BKR6EGP	BKR6EIX
A5	1800	ABK	1991.8~	BUR6ET	BPR6EGP	BPR6EIX	
		ABT, ADW	1994.11~	BUR6ET	BPR6EGP	BPR6EIX	
		ALT	2000.12~	BKUR5ET-10	BKR5EGP	BKR5EIX-11	
		FSI (AWA)	2002.7~	PZFR5N-11T	-	-	
		TFSI (BGB)	2004.11~2005.8	PFR6Q	BKR6EGP	BKR6EIX	
		BUL, BWE	2005.6~	PFR6Q	BKR6EGP	BKR6EIX	
		ABA-8KCDNA	2010.11	PFR7S8EG	-	-	
		-	2007.09	PFR7S8EG	-	-	
		-	2007.9~	PFR7S8EG	-	-	
		CYG	2015.7	PLFER7A8EG	-	-	
A6	3000	AAE, ABK	1994.6~	BUR6ET	BPR6EGP	BPR6EIX	
		ACE 16V	1994.6~	BKUR7ET	-	BKR7EIX	
		ADW	1995.8~	BUR6ET	BPR6EGP	BPR6EIX	
		ALT	2001.6~	BKUR5ET-10	BKR5EGP	BKR5EIX-11	
		ABA-4FCCES	2009.1	PFR6X-11	-	-	
		ABA-4FCAJA	2009.1	PFR8S8EG	-	-	







BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX			
HONDA	JAZZ	1500	i-DSI	2002~	BKR6E-11	BKR6EGP	BKR6EIX-11			
			VTEC	2005~	IZFR6K-13	-	-			
				2008~	IZFR6K-13	-	-			
				2014~	DIFR6D13	-	-			
			HYBRID	2014~	DILFR6J11	-	-			
			i-VTEC	2005~2008	IZFR6K-11	-	-			
			K24A5	2008~2013	ILZKR7B-11S	-	-			
			K24W	2014~	ILKAR7K11S	-	-			
			LDA3	2011	DILFR6F11G	-	-			
			ODYSSEY	2400						
INSIGHT	1300									
HYUNDAI	STREAM	2000	i-VTEC	2001~	ZFR6K-11	-	IZFR6K-11			
				2008~	ZFR6K-11	-	IZFR6K-11			
				2001~	ZFR6K-11	-	IZFR6K-11			
			DOHC	1994.4~2005.9	BKR5E-11	BKR5EGP	BKR5EIX-11			
			SOHC		BKR5E-11	BKR5EGP	BKR5EIX-11			
			G4HG		BKR5E-11	BKR5EGP	BKR5EIX-11			
			DOHC	1996.4~2001.8	BKR5E-11	BKR5EGP	BKR5EIX-11			
			DOHC	1996.4~2001.8	BKR5E-11	BKR5EGP	BKR5EIX-11			
			G4FG	2011	LZKR6B-10E	-	-			
			SILZKR7B11	2011		-	-			
HYUNDAI	ELANTRA	2000	DOHC	2000.5~	BKR5E-11	BKR5EGP	BKR5EIX-11			
				2002.5~2005.6	BKR5E-11	BKR5EGP	BKR5EIX-11			
				2002	BKR5E-11	BKR5EGP	BKR5EIX-11			
			DOHC	2005.6~	BKR5E-11	BKR5EGP	BKR5EIX-11			
			LKR6D-10	2010~		-	-			
			BKR5E-11		BKR5E-11	BKR5EGP	BKR5EIX-11			
			LKR6D-10	2010~		-	-			
			G4FA	2007.9~	BKR5E-11	BKR5EGP	BKR5EIX-11			
			DOHC	2001.4~	BKR5E-11	BKR5EGP	BKR5EIX-11			
			DOHC	2005.5~	BKR5E-11	BKR5EGP	BKR5EIX-11			
HYUNDAI	MATRIX	1800	DOHC	2001.4~	BKR5E-11	BKR5EGP	BKR5EIX-11			
			V6 DOHC	2005.11~	ILFR5B11	-	-			
			SOHC		BPR6ES-11	BPR6EGP	BPR6EIX			
			LF5A-11	2011~		-	-			
			LF5A-11			-	-			
			BPR6ES-11	1994.6~		BPR6EGP	BPR6EIX-11			
			BKR5E-11	1998~2001		BKR5EGP	BKR5EIX-11			
			HYUNDAI	SONATA	2000	DOHC	1994.6~	BPR6ES-11	BPR6EGP	BPR6EIX-11
						G4JP (EF)	1998~2001	BKR5E-11	BKR5EGP	BKR5EIX-11

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
HYUNDAI	SONATA	2400	G4KD (NF)	2005~2014	BKR6ES-11	BKR6EGP	BKR6EIX-11
			YF	2012~2014	SILZKR7B11	-	-
			G4NA (LF)	2015~	SILZKR7B11	-	-
			SOHC		BPR6ES-11	BPR6EGP	BPR6EIX-11
			G4KC (NF)	2005~2014	BKR6ES-11	BKR6EGP	BKR6EIX-11
			YF	2010~2014	SILZKR7B11	-	-
			CVVT	2011.3~	SILZKR6B10E	-	-
				2013~	SILZKR7B11	-	-
				2006	BKR6EK	-	-
				2002~	BKR6E-11	BKR6EGP	BKR6EIX-11
NAZA / KIA	CITRA	2000	G4	2002~	BKR6E-11	BKR6EGP	BKR6EIX-11
				2004.8~	BKR5ES-11	BKR5EGP	BKR5EIX-11
			KV6	2000~2006	PFR6G-11	-	-
			G4FC		LZKR6B-10E	-	-
			G4KD		SILZKR7B11	-	-
			G4FC	2010~	LZKR6B-10E	-	-
			G4KD	2010~	LF5A-11	LF5AGP	LF5AIX-11
			NU HEV	2011.5~	SILZKR6B11	-	-
				2003~	BKR6ES-11	BPR6EGP	BKR6EIX-11
				2010~	SILZKR7B11	-	-
NAZA / KIA	OPTIMA	2000		2004.1~2011	BKR5E-11	BKR5EGP	BKR5EIX-11
				2011~	LKR6D-10E	-	-
				2001~2006	PFR6N-11	-	BKR6EIX-11
				2005.6~	BPR5ES-11	BPR5EGP	BPR5EIX-11
			B5	1996~1997	BKR6E-11	BKR6EGP	BKR6EIX-11
			DOHC	2003.10~	BKR5E-11	BKR5EGP	BKR5EIX-11
			DOHC 16V	1992.8~1997.10	BKR6E-11	BKR6EGP	BKR6EIX-11
				2004~	BKR5E-11	BKR5EGP	BKR5EIX-11
				2010~	SILZKR7B11	-	-
				2010~	BKR5E	BKR5EGP	BKR5EIX
LAMBORGHINI	SUTERA	1100		2005~2011	DCPR7E	DCPR7EGP	DCPR7EIX
				2005.5~	PFR7G	-	BKR7EIX
				2007~	KT8BI	-	-
				1999~	PFR6N-11	BKR6EGP	BKR6EIX-11





BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
LOTUS	EUROPA SPECIAL		TWIN CAM, S2, S1		BP7ES	-	BPR7EIX
	3200 GT				PMR8A	-	-
				2002.6~2003.11	PMR8A	-	-
	COUPE GT	4200		2003.11~	PMR8B	-	-
		3200	V8 EVOLUZIONE	1992.2~2002	PMR8A	-	-
				2002.11~2003.11	PMR8A	-	-
	QUANTTOPORTE	4200		2003.12~	PMR8B	-	-
	GRAN TOURISMO	4200		2007.1	PMR8B	-	-
	GRAN SPORT	4200		2004.9	PMR8B	-	-
	SPYDER GT	4200		2001.10~2003.11	PMR8A	-	-
			2003.12~	PMR8B	-	-	
MASERATI	323 / ASTINA	1600	B6-D	1991~	BKR6E-11	BKR6EGP	BKR6EIX-11
	626	2000	FS	1992~1997	BKR5E-11	BKR5EGP	BKR5EIX-11
			ZY-VE	2009.6~	BKR5E-11	BKR5EGP	BKR5EIX-11
				2010~	IFR5E11	-	-
	2	1500	DJ	2014	ILKAR7L11	-	-
				2003~	BKR5E-11	BKR5EGP	BKR5EIX-11
		1600		2009.6~	IFR5E11	-	-
	3	2000	BM	2014	ILKAR7L11	-	-
		2000	GJ	2010~	ILTR5A-13G	-	-
	6	2500	GJ	2012	ILKAR7L11	-	-
MAZDA	8	2300		2010~	ILTR5A-13G	-	-
	CX-3	2000		2015	ILKAR7L11	-	-
			PE-VPS	2012.2~2012.7	DILKAR7F8	-	-
	CX-5	2000	PE-VPS	2012.8~	ILKAR7L11	-	-
			L3-VDT	2006.12~2009.9	ILTR6A-8G	-	-
	CX-7	2300	L3-VDT	2009.9~	SILTR6A7G	-	-
	LANTIS	1600	Z6D		BKR5E-11	BKR5EGP	BKR5EIX-11
	PREMACY	1800	FP-DE	1999~	BKR5E-11	BKR5EGP	BKR5EIX-11
			13B-MSP	2003.4~	RE7C-L	-	-
	RX-8	1300	13B-MSP	2003.4~	RE9B-T	-	-
MERCEDES BENZ	220	2200	111.960	1992~1993	BKR6E-11	BKR6EGP	BKR6EIX-11
	280 (W124)	2800	104.942	1992~1993	BKR5E	BKR5EGP	BKR5EIX
	AMG C43(202)	4300	M113	1997.9~	PFR5R-11	BKR5EGP	BKR5EIX-11
	AMG C63	6300	M156	2007.8~	ILZKAR7A10	-	-

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
MERCEDES BENZ	AMG CL55	5500	M113	2000~	PFR5R-11	BKR5EGP	BKR5EIX-11
	AMG CL63	6300	M156	2006.9~	ILZKAR7A10	-	-
	AMG CLK55	5400	M113 TWIN SPARK	2002~	IFR6D10	-	-
	AMG CLK63	6300	M156	2006~	ILZKAR7A10	-	-
	AMG CLS55(219)	5500	M113 TWIN SPARK	2005.1~	ILFR6A	-	-
	AMG CLS63(219)	5500	M156	2006.5~	ILZKAR7A10	-	-
	AMG E55(210)	5500	M113	1997.9~	PFR5R-11	BKR5EGP	BKR5EIX-11
	AMG E63(211, 212)	6300	M156	2006.5~	ILZKAR7A10	-	-
	AMG S55	5500	M113 TWIN SPARK	2002~	ILFR6A	-	-
	AMG S65(220, 221)	6000	M275 TWIN SPARK	2003~	IFR6Q-G	BKR6EGP	BKR6EIX
			M113	2000~	PFR5R-11	-	-
	AMG SL55(230)	5500	TWIN SPARK	2002.6~	ILFR6A	-	-
	AMG SL63(230)	6200	M156	2008.3~	ILZKAR7A10	-	-
	AMG SL65(230)	6000	M275 TWIN SPARK	2004~	IFR6Q-G	BKR6EGP	BKR6EIX
	AMG SLK55(171)	5500	M113 TWIN SPARK	2004.4~	IFR6D10	BKR6EGP	BKR6EIX-11
	A160(168)	1600	M166	1997.10~	BKUR6ET-10	BKR6EGP	BKR6EIX-11
	A170(169)	1700	M266	2004.9~	BKR6EZB	BKR6EGP	BKR6EIX
	A190(168)	1900	M166	1998~	BKUR5ET	BKR5EGP	BKR5EIX
	A200(168)	2000	M266	1998~	BKR6EZB	BKR6EGP	BKR6EIX
	B170(245)	1700	M266	2005.4~	BKR6EZB	BKR6EGP	BKR6EIX
	B200(245)	2000	M266	2005.4~	BKR6EZB	BKR6EGP	BKR6EIX
	C180(W203)	1800		2001~	BKUR5ETZ-10	-	-
	C200	1800	M111	1998~	BKUR5ETZ-10	-	-
	C200(W203)	2000	M111.955	2000~2002	IFR6D10	-	-
	C200(W205)	2000	274.92	2014~2018	SILZKFR8E7S	-	-
	C220(202)	2200	M111		BK6E	BKR6EGP	BKR6EIX
	C230(202)	2300	M111	1996.9~	BK5E	BKR5EGP	BKR5EIX
	C230(203)	2300	M272	2004.12~	PLKR7A	-	-
	C240(203)	2400	M112	2000~	PFR5R-11	BKR5EGP	BKR5EIX-11
			P00P	1993.6~	BK6E	BKR6EGP	BKR6EIX
C280(202)	2800	M112	1997.6~	PFR5G-11	-	-	
C320(203)	3200	M112	2000.5~	PFR5R-11	BKR5EGP	BKR5EIX-11	
		M111	1997.6~	BK5E	BKR5EGP	BKR5EIX	
CLK200	2000	271	2003.2~	ILFR6A	-	-	
		V6 M112	1997.6~	PFR5G-11	-	-	
CLK320(208)	3200	M112 TWIN SPARK	2003.3~	PFR5R-11	BKR5EGP	BKR5EIX-11	



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
MERCEDES BENZ	E200	2000	M111	1998~	BKUR5ETZ-10	-	-
	E230 (W210)	2300	M111	1998~	BKUR5ETZ-10	-	-
	E240(210)		M112	2000.6~	PFR5R-11	BKR5EGP	BKR5EIX-11
	E280(210)	2800	104.945	1995~1997	BK5E	BKR5EGP	BKR5EIX
	E280(210)	2800	112.921 (TWIN SPARK)	1997~2002	PFR5G-11	-	-
	E280(211)	3000	M272	2006.1~	PLKR7A	-	-
			M111	1995.6~	BK5E	BKR5EGP	BKR5EIX
	E320(210)	3200	M112		PFR5G-11	-	-
	E350(211)	3500	M272	2004.11~	PLKR7A	-	-
	S280	2800	M111	1998~	BKUR5ETZ-10	-	-
	S280(W221)	3000	272.946	2006~2013	PLKR7A	-	-
	S280(W220)	2800	112.922	1999~2005	PFR5R-11	-	-
	S320L	3200	M111	1998~	BKUR5ETZ-10	-	-
	SLK200	1800	M271	2004.4~	ILFR6A	-	-
	SLK230(170)	2300	M111	2000.3~	IFR6D10	-	-
SLK320(170)	3200	M112	2000.3~	PFR5R-11	BKR5EGP	BKR5EIX-11	
			2001	BKR6E-11	BKR6EGP	BKR6EIX-11	
AIRTREK	2000		2002	PGR6A	-	-	
	1600			GA1W (4A92)	DILFR5A11	-	
ASX	2000			GA2W (4B11)	FR6EI	-	
ATTRAGE	1200			3A92	LZFR5BI-11	-	
	1500			4A91	ILZFR6C-11K	-	
COLT	1600			4G92	BKR6E-11	BKR6EGP	
	1800			4G93	BKR5E-11	BKR5EGP	
	2000			4G63	BKR6E-11	BKR6EGP	
				4G94	BKR5EKUD	-	
GALANT				6A12	PFR6J-11	-	
GRANDIS	2400			4G69	LZFR6AI	-	
				4G92	BKR6E-11	BKR6EGP	
	1600			4G92 MIVEC	BKR7EKC-N-11	-	
LANCER	1800				FR6EI	-	
LANCER EVO IV, V, VI	2000				FR6EI	-	
LANCER EVO VI					PGR7A	-	
					IGR7A	-	
					ILKR8E6	-	
LANCER EVO X					4B11 TURBO	-	
					DILKR8B6	-	

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
MITSUBISHI			3A90	2012.8	DILFR5A11	-	-
		1000	3A90	2015.11	DILFR5L11	-	-
		1200	3A92	2012, 2015	LZFR5BI-11	-	-
		1300	4G13	1995.10~2002.8	BPR5ES-11	BPR5EGP	BPR5EIX-11
	MIRAGE	1600	4G92(MIVEC)	1995.10~2002.8	BKR7EKC-N-11	-	BPR7EIX-11
		2000	4B11	2012.1	DIFR5E11	-	-
			4G69	2003.10~2006.12	LZFR6AI	-	-
	OUTLANDER	2400	4B12	2007.6~	FR5EI	-	BKR5EIX-11
		2400		1996~2000	BKR5E-11	BKR5EGP	BKR5EIX-11
		3000	6G72	2009.12	DIFR6C11	-	-
	PAJERO	3800	6G75	2006~	BKR5E-11	BKR5EGP	BKR5EIX-11
	STORM	3000	V6	2001~	PFR6J-11	-	BKR6EIX-11
	TREDIA	1600	4G32	1984~1987	BP6ES-11	-	BPR6EIX-11
	AD	1600	GA16DS	1990~1999	BKR5E-11	BKR5EGP	BKR5EIX-11
	ALMERA	1500		2012~	LZKAR6AP-11	-	-
ALTIMA	2000		2000~	BCPR6ES	-	BCPR6EIX-11	
				24V (A32)	PFR6G-11	-	
	2000i			V6 24V (A33)	PFR6G-11	-	
				1994~1998	PFR6G-11	-	
CEFIRO	3000i			V6 24V	PFR6G-11	-	
FAIRLADY 350Z				VQ35DE	PLFR5A-11	-	
FRONTIER	2400			KA24DE	BKR5E-11	BKR5EGP	
	1600				LZKAR6AP-11	-	
GRAND LIVINA	1800				LZKAR6AP-11	-	
GT-R R35				VR38DETT	DILKAR8A8	-	
LIVINA X-GEAR	1600				LZKAR6AP-11	-	
LANGLEY	1300			E13	BP5EY	BPR5EGP	
	1600				LZKAR6AP-11	-	
LATIO	1800				LZKAR6AP-11	-	
	1000				BP5EY	BPR5EGP	
MARCH	1400				PLFR6A-11	-	
					LF5A-11	LF5AGP	
MURANO	2500			QR25DE	DILKAR6A11	-	
	1500				DILKAR6A11	-	
NV200	1600			HR16DE	LZKAR6AP-11	-	
SENTRA	1500			B15/ QG15DE	BKR5E	BKR5EGP	



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX	
NISSAN	SENTRA	1600	GA16DE		BKR5E-11	BKR5EGP	BKR5EIX-11	
		1800	QG15DE		BKR5E	BKR5EGP	BKR5EIX	
		2000	QG16DE	2001~	BKR5E	BKR5EGP	BKR5EIX	
		1800	QD18DE	2001~	BKR5E	BKR5EGP	BKR5EIX	
		2000	QG18DE	2000~	BKR5E-11	BKR5EGP	BKR5EIX	
		2000	QR20DD	2002~2005	LZFR5AQP	-	-	
		1600		1992~2001	BKR5E-11	BKR5EGP	BKR5EIX-11	
		2000	SR20DE	1992~2001	BKR5E-11	BKR5EGP	BKR5EIX-11	
		2000	MR20DD (C26)	2010~	DILKAR7D11H	-	-	
		2000	SUNNY		B11	BP5ES	BPR5EGP	BPR5EIX
	SERENA	2000		S14	1996.6	PFR6B-9	-	-
		2000		S15(SR20DE)	1999.1	BKR6EY	BKR6EGP	BKR6EIX-11
		2500		R34 (RB26DETT)	2001~	PFR6A-11	-	BCPR6EIX-11
		2000			2008~	LZKAR6AP-11	-	-
		2000			2011~	LZKAR6AP-11	-	-
		2000	MR20DE	2013	PLZKAR6A-11D	-	-	
		2500	V6	2011~	DF6H-11B	-	-	
		1600	GA16	1987~1988	BKR5E-11	BKR5EGP	BKR5EIX-11	
		2000	KA20DE	2000~2002	BKR5E-11	BKR5EGP	BKR5EIX-11	
		1600	GA16DE	1994~2001	BKR5E-11	BKR5EGP	BKR5EIX-11	
	VANETTE	2000	SR20DE	1992~1999	BKR5EY	BKR5EGP	BKR5EIX	
		2000	Z20S	1988~1999	BPR5E-11	-	BPR5EIX-11	
		2000		2001~	LFR5A-11	LFR5AGP	LFR5AIX-11	
2000		T32	2014~	DILKAR7D11H	-	-		
2500		T32	2014~	DILFR6A11	-	-		
2500			2001~	LFR5A-11	LFR5AGP	LFR5AIX-11		
X-TRAIL		1600	X16	1996.9~1998.1	BKR5EK	BKR5EGP	BKR5EIX	
		1600	X16	1998.11~2000.11	BKR5EK	BKR5EGP	BKR5EIX	
		1600	Z16	2000.11~2004.5	BKR5EK	BKR5EGP	BKR5EIX	
		1600	Z16	2004.5~	BKR5EK	BKR5EGP	BKR5EIX	
	2000	C20LET	1994.3~	BCPR6ET	BKR6EGP	BKR6EIX		
	1000	X20XE	1994.1~	BKR5EK	BKR5EGP	BKR5EIX		
	1800	10N, 10S	1962~1965	BP6ES	BPR6EGP	BPR6EIX		
	1800	18S	1982~1986	BP6HS	-	BPR6HIX		
	1800	X18XE	1996.2~1999.11	BKR5EK	BKR5EGP	BKR5EIX		
	1800	X18XE	1999.11~2001.3	BKR5EK	BKR5EGP	BKR5EIX		
OPEL	ASTRA	1600	X16	1996.9~1998.1	BKR5EK	BKR5EGP	BKR5EIX	
		1600	X16	1998.11~2000.11	BKR5EK	BKR5EGP	BKR5EIX	
		1600	Z16	2000.11~2004.5	BKR5EK	BKR5EGP	BKR5EIX	
		1600	Z16	2004.5~	BKR5EK	BKR5EGP	BKR5EIX	
		2000	C20LET	1994.3~	BCPR6ET	BKR6EGP	BKR6EIX	
		1000	X20XE	1994.1~	BKR5EK	BKR5EGP	BKR5EIX	
		1800	10N, 10S	1962~1965	BP6ES	BPR6EGP	BPR6EIX	
		1800	18S	1982~1986	BP6HS	-	BPR6HIX	
		1800	X18XE	1996.2~1999.11	BKR5EK	BKR5EGP	BKR5EIX	
		1800	X18XE	1999.11~2001.3	BKR5EK	BKR5EGP	BKR5EIX	

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
OPEL	VECTRA	1800	Z18	2001.3~	BKR5EK	BKR5EGP	BKR5EIX
		2000	X20XE	1996.2~1999.11	BKR5EK	BKR5EGP	BKR5EIX
		2000	X20XE	1999.11~	BKR5EK	BKR5EGP	BKR5EIX
		1800	X181	2000.2~2000.11	BKR5EK	BKR5EGP	BKR5EIX
		1800	Z18	2000.11~	BKR5EK	BKR5EGP	BKR5EIX
		1500	3SZ-VE	2010.1~	DCPR7EA-9	DCPR7EGP	DCPR7EIX
		1500	2NR-VE	2019~	ILKAR6B11	LKAR6AGP	LKAR6AIX-11
		1000	1KR-DE2	2014. 2015	LKR6C	-	LKR6AIX
		1000	1KR-DE2	2016	LKR6C	-	LKR6AIX
		1300	1NR-VE	2016	ILKAR6B11	LKAR6AGP	LKAR6AIX-11
PERODUA	KEMBARA	1300	HCEJ	1998~2003	BKUR6EK	BKR5EGP	BKR6EIX-11
		1300	K3VE	2003~	BKR6EY	BKR6EGP	BKR6EIX-11
		660	EFSE	1998.10~2003.2	BP5ES	BPR5EGP	BPR5EIX
		660	EFCL	2003.3~2009.7	BP5ES	BPR5EGP	BPR5EIX
		800	ED10C	1994.8~2008.7	BP6EY	BPR6EGP	BPR6EIX
		800	EDDE	2002.1~2009.7	BP6EY	-	BPR6EIX
		800	ED-DE	2001.8~2007.6	BKR5E-11	BKR5EGP	BKR5EIX-11
		1000	EJ-DE	2004.5~2007.6	BKR5E-11	BKR5EGP	BKR5EIX-11
		1000	EJ-DE	2000.10~2009.12	BKR5E-11	BKR5EGP	BKR5EIX-11
		1000	EJ-VE	2005.5~2011.6	BKR5E-11	BKR5EGP	BKR5EIX-11
PEUGEOT	RUSA	1000	EJ-VE	2006.1~2013.6	BKR5E-11	BKR5EGP	BKR5EIX-11
		1300	K3-VE	2005. 2006	BKR6E-11	BKR6EGP	BKR6EIX-11
		1300	K3-VE	2007. 2015	DCPR7EA-9	DCPR7EGP	DCPR7EIX
		1500	1NR-VE	2018	ILKAR6B11	LKAR6AGP	LKAR6AIX-11
		1500	3SZ-VE	2011.2015	DCPR7EA-9	DCPR7EGP	DCPR7EIX
		1000	2NR-VE	2018	ILKAR6B11	LKAR6AGP	LKAR6AIX-11
		850	EJ-VE	2007.7~	BKR5E-11	BKR5EGP	BKR5EIX-11
		660	ED-VE	2007.7~	BKR5E-11	BKR5EGP	BKR5EIX-11
		1300	EF-VE	2007.7~	BKR5E-11	BKR5EGP	BKR5EIX-11
		1300	HC	1998~2006	BK6E	BKR6EGP	BKR6EIX
PEUGEOT	206	1400	HDC	1998~2006	BK6E	BKR6EGP	BKR6EIX
		1600	HDE	1998~2006	BK6E	BKR6EGP	BKR6EIX
		1600	TU3JP	1998.11~	BKR6EK	BKR6EGP	BKR6EIX
		1600	TU5JP	1998.11~	BKR6EK	BKR6EGP	BKR6EIX
		1600	EP6C	2013~	PLZKBR7B8DG	-	-
		1800		1997~2003	BKR5EK	BKR5EGP	BKR5EIX



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
PEUGEOT	307	1600		1993~2003	BKR6EK	BKR6EGP	BKR6EIX
	308	1200		2014.11	LZKR6AI-10G	-	-
	308 TURBO	1600			PLZKBR7B8DG	-	-
	406	2000	XU7.JP	1996~	BKR5EK	BKR5EGP	BKR5EIX
	407	2000		2004.2~	LF5AIX-11	-	-
	508	1600		2011.7	PLZKBR7B8DG	-	-
	3008	1600	EP6, EP6DT	2009.5~	PLZKBR7A-G	-	-
	5008	1600	EP6	2009.11~	PLZKBR7A-G	-	-
	RCZ	1600	EP6CDTX	2009.11~	ILZKBR7A-8G	-	-
	911	3800	-	1995.8~	BKR6EK	BKR6EGP	BKR6EIX
PORSCHE	911 CARRERA/S (996, 997)	3600	-	2001~	BKR7EQUP	-	BKR7EIX-11
	911 TURBO	3600	-	1993.3~	BKR6EK	BKR6EGP	BKR6EIX
	911 TURBO (996)	3600	M96.70	2001~2006	BCPR7ET	-	-
	BOXTER (986)	2700	M96.22, M96.23	2002.7~	BKR6EQUP	BKR6EGP	BKR6EIX-11
	BOXTER (987)	2700	M96.25	2004.12~	BKR7EQUP	-	BKR7EIX-11
	CAYENNE (955)	3200	M02.2Y BFD	2003.10~	IZKR7B	-	-
	CAYENNE S (955)	4500	M48.00	2002.10~	BKR6EQUP	BKR6EGP	BKR6EIX-11
	CAYENNE TURBO (955)	4500	M48.50	2002.10~	PFR7Q	-	-
	CAYMAN	2700	M97.20	2006.9~	BKR7EQUP	-	BKR7EIX-11
	ARENA	1500	4G15M	1999~	BP5ES-11	BPR5EGP	BPR5EIX-11
PROTON	EXORA	1600	S4P16 (Non-Turbo)	2009.4~	BPR6EF-11	TR6GP	TR6IX
	ERTIGA	1400	K14B	2016	LKR6F-10	-	-
	GEN 2	1300	A490	2003.12~	BPR6EF-11	TR6GP	TR6IX
	PERSONA	1600	S4P16	2003.12~	BPR6EF-11	TR6GP	TR6IX
	INSPIRA	2000	4B10	2011~	FR6EI	-	BKR6EIX
	IRIZ	1300	S4PE	2014.9~	LKAR7C-9	LKAR7BGP	-
	ISWARA	1500	4G15M	1995.11~2002.12	BP5ES	BPR5EGP	BPR5EIX
					4G13P	BPR5EGP	BPR5EIX
					4G13M	BPR5EGP	BPR5EIX
					4G15P	BPR5EGP	BPR5EIX

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX	
PROTON	PERDANA	2000	4G63S	1995.10~1999.8	BKR6E-11	BKR6EGP	BKR6EIX-11	
		2400	6A12DOHC (V6)	1999.9~2013.5	PFR6J-11	BKR6EGP	BKR6EIX-11	
			R20A3	2013~	IZFR6K-11NS	-	-	
			K24Z2	2013~	ILZKR7B-11S	-	-	
	PREVE	1600	S4PH	2009~	BPR6EF-11	TR6GP	TR6IX	
	PUTRA	1800	CFE	2012~	ILKAR7G7	-	-	
			4G93DOHC	1995.3~2000.12	BK5E	BKR5EGP	BKR5EIX	
			4G13	1985.4~1991.6	BP5ES	BPR5EGP	BPR5EIX	
			4G13M	1992.8~2007.12	BP5ES	TR6GP	TR6IX	
			S4PE	2008.1~2014.11	BPR6EF-11	TR6GP	TR6IX	
SAGA		1300	NFE	2016	LKAR7C-9	LKAR7BGP	-	
			G15B	1985.4~1991.6	BP5ES	BPR5EGP	BPR5EIX	
			4G15M	1991.01~1996.6	BP5ES	BPR5EGP	BPR5EIX	
		1500		2007~	BPR6EF-11	TR6GP	TR6IX	
			4G92	1988~1996	BK5E	BKR5EGP	BKR5EIX	
			S4PH	2006~	BPR6EF-11	TR6GP	TR6IX	
		1600		1997.7~2000.7	BP5ES	BPR5EGP	BPR5EIX	
			4G13M	2000.8~2006.5	BP5ES	BPR5EGP	BPR5EIX	
			S4PE (SATRIA NEO)	2007~2008	BPR6EF-11	TR6GP	TR6IX	
			4G15M	1996~2006	BP5ES	BPR5EGP	BPR5EIX	
SATRIA		1500	4G92	1997.7~2000.7	BK5E	BKR5EGP	BKR5EIX	
		1600	S4PH (SATRIA NEO)	2006~	BPR6EF-11	TR6GP	TR6IX	
		1800	4G93DOHC	1998~2006	BKR6E-11	BKR6EGP	BKR6EIX-11	
	SAVVY	1200	D4F-L4	2005.5~2011.3	LZKAR7A	-	-	
	SUPRIMA	1600	CFE	2011~	ILKAR7G7	-	-	
	WAJA		1600	4G18	1999~2006	BKR6E-11	BKR6EGP	BKR6EIX-11
				S4PH	2006~	BPR6EF-11	TR6GP	TR6IX
			1800	F4P76D	2001~	BK6E-11	BKR6EGP	BKR6EIX-11
				4G13P	2005.10~2006.12	BP5ES-11	BPR5EGP	BPR5EIX-11
				4G15	2005.10~2006.12	BP5ES-11	BPR5EGP	BPR5EIX-11
			4G92(Persona)	1995.12~2005.9	BK5E	BKR5EGP	BKR5EIX	
			4G92P	2000.8~2002.2	BK6E-11	BKR6EGP	BKR6EIX-11	
WIRA		1800	4G93DOHC	2000.8~2001.12	BK6E-11	BKR6EGP	BKR6EIX-11	
X70		1800	1.8 TGD1 (JLE-4G18TDB)	2019~	PFR6Q	-	BKR6EIX	
Juara		1100	3G88	2001~2003	DCPR7E	DCPR7EGP	DCPR7EIX	
Tiara	1100	TU1M	1996~2000	BK5E	BKR5EGP	BKR5EIX		



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
RENAULT	CLIO	1400			BK5E	BKR5EGP	BKR5EIX
	KANGOO	1600	K7M	2001~	BKR5EK	BKR5EGP	BKR5EIX
		1800	16V	1998.5~	BKR5EK	BKR5EGP	BKR5EIX
	LAGUNA	2000	16V	1998.5~	BKR5EK	BKR5EGP	BKR5EIX
		1600		1999.3~	BKR5EK	BKR5EGP	BKR5EIX
	MEGANE	1600		2003~	BKR6EZ	BKR6EGP	BKR6EIX
		1600	16V		BKR6EK	BKR6EGP	BKR6EIX
		2000	F4R	2014	PFR7Z-TG	-	-
	SCENIC	2000	16V	2006~	BKR6E	BKR6EGP	BKR6EIX
	PARK WARD	5400	V12 BMW	2000.10~	BKR6EQUP	BKR6EGP	BKR6EIX-11
ROLLS ROYCE	PHANTOM	6800		2012.3	IFR6AE11S	-	-
	PHANTOM COUPE	6700		2008	BKR6EQUP	-	-
	PHANTOM DROPHHEAD COUPE	6700		2007.5	BKR6EQUP	-	-
SILVER SERAPH	5400	-		BKR6EQUP	BKR6EGP	BKR6EIX-11	
ROVER	ROVER 75	1800	K-SERIES	1998~	PFR6N-11	-	-
		2000	KB6	1998~	PFR6N-11	-	-
		2500	KV6	1998~	PFR6N-11	-	-
SSANGYONG	CHAIRMAN	2300	DOHC	1997.10~	BKR5E-11	BKR5EGP	BKR5EIX-11
		2800	DOHC	1997.10~2003.7	BKR5E-11	BKR5EGP	BKR5EIX-11
		2800	DOHC	2003.8~	BKUR5ETZ-10	-	-
		3200	DOHC	1997.10~2003.7	BKR5E-11	BKR5EGP	BKR5EIX-11
		3200	DOHC	2003.8~	BKUR5ETZ-10	-	-
SUZUKI	ALTO	1000		2011~	BPR5E	BPR5EGP	BPR5EIX
	KIZASHI	2400		2009	SILFR6A11	-	-
	CARRY	1300	G13	2000~2004	BKR6E-11	BKR6EGP	BKR6EIX-11
	ERTIGA	1400	K14B		KR6A-10	-	-
		1400	K14B	2013~	KR6A-10	-	-
	SWIFT	1500	M15A	2004~	BKR6E-11	BKR6EGP	BKR6EIX-11
		1600	M16A	2010~	BKR6E-11	BKR6EGP	BKR6EIX-11
		1600	K14B	2013~	KR6A-10	-	-
	SX4	1600		2012~	LF5A-11	-	LF5AIX-11
	VITARA	1600i	SE4	1997~2002	BKR6E-11	BKR6EGP	BKR6EIX-11
2000i		GLX	1997~2002	BP5ES	BPR5EGP	BPR5EIX	

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX	
SUBARU	E10				BP5ES	BPR5EGP	BPR5EIX	
	FORESTER	2000	MFI		BKR6E	BKR6EGP	BKR6EIX	
		2000	MFI CATALYZER		BKR6E-11	BKR6EGP	BKR6EIX-11	
		2000	TURBO	2001~	PFR6G	BKR6EGP	BKR6EIX	
		2500	EJ204	2008.1~	SILFR6A-11	-	-	
		2500	MFI		PFR5B-11	BKR5EGP	BKR5EIX-11	
	TOYOTA	ALPHARD	2500	E251/6 DOHC	2001~	BKR6E-11	BKR6EGP	BKR6EIX-11
			2000	MFI		BKR6E	BKR6EGP	BKR6EIX
			2000	MFI CATALYZER		BKR6E-11	BKR6EGP	BKR6EIX-11
			2200	EJ20 TURBO	1996~	PFR6G	BKR6EGP	BKR6EIX
2500			EJ20 TURBO	1997~2000	PFR6B	BKR6EGP	BKR6EIX	
ALTIS		1800	EJ204	2001~	PFR6G	BKR6EGP	BKR6EIX	
		2000	EJ204	2008.1~	SILFR6A-11	-	-	
		2000	FB20	2011.12	SILZKAR7B11	-	-	
		2000	FB20	2016.10	DILKAR7B8	-	-	
		2000	EJ22 DOHC	2001~	BKR6E-11	BKR6EGP	BKR6EIX-11	
AVANZA	ALTEZZA	2500	EJ25 DOHC	2001~	BKR6E-11	BKR6EGP	BKR6EIX-11	
		1800			BKR6E-11	BKR6EGP	BKR6EIX-11	
	LEGACY	2000			BKR6E-11	BKR6EGP	BKR6EIX-11	
		2200			BKR6E-11	BKR6EGP	BKR6EIX-11	
	CALDINA	XV	2000	FB20	2012~	SILZKAR7B11	-	-
		ALPHARD	1600		2003~	BKR5EYA-11	BKR5EGP	BKR5EIX-11
			1800		2003~	BKR5EYA-11	BKR5EGP	BKR5EIX-11
		ALTEZZA	1800	2ZR-FE	2013~	ILKAR7B11	LKAR7BGP	LKAR7BIX-11S
			2000	3ZR-FE	2013~	ILKAR7B11	LKAR7BGP	LKAR7BIX-11S
		ALPHARD	2400	2AZ-FE	2002~2014	BKR6EYA-11	BKR6EGP	BKR6EIX-11
2500	2AR-FE		2015~	ILFR5T-11	-	ILFR5AIX-11		
AVANZA	ALTEZZA	3000	1MZ-FE	2002~2008	IFR6A-11	BKR6EGP	BKR6EIX-11	
		3500	2GR-FE	2008~	DILFR6D11	-	-	
	CALDINA	2000	1G-FE	1999~2001	BKR6EYA-11	-	BKR6EIX-11	
		1300	K3-DE	2002.9~2011.10	BKR6E-11	BKR6EGP	BKR6EIX-11	
CALDINA	ALTEZZA	1300	K3-VE	2002~2015	DCPR7EA-9	DCPR7EAGP	DCPR7EIX	
			1NR-VE	2015~	ILKAR6B11	LKAR6AGP	LKAR6AIX-11	
	AVANZA	CALDINA	1500	3SZ-VE	2006~2011	DCPR7EA-9	DCPR7EAGP	DCPR7EIX
			1800	2NR-VE	2015~	ILKAR6B11	LKAR6AGP	LKAR6AIX-11
CALDINA	ALTEZZA	1800	1ZZ-FE	2002~2007	BKR5EYA-11	-	BKR5EIX-11	

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
TOYOTA	CALDINA	2000	3S-GTE		BKR6EIX	-	-
			3S-FE	1988~1997	BCPR6EY-11	-	BCPR6EIX-11
			2S-C		BPR5EY	BPR5EGP	BPR5EIX
			2S-E		BPR5EY-11	BPR5EGP	BPR5EIX-11
			2S-EC		BPR5EY	BPR5EGP	BPR5EIX
			1AZ-FE (ACV31, ACV41, ACV51)	2002~	IFR6T11	-	-
			5S-FE	1991~1997	BKR6EKP-11	BKR6EGP	BKR6EIX-11
			2AZ-FE	2002~2011	IFR6T11	-	-
			2AZ-FXE (AHV40)	2006~2011	IFR6T11	-	-
			2AR-FE	2011~	LFR5AIX-11	-	-
	CAMRY	2500	2AR-FXE (Hybrid)	2011~	DF5B-8A	-	-
			3S-GE	1994~	BKR6EYA	BKR6EGP	BKR6EIX
			3S-GE	1995~1996	BKR6EP-8	BKR6EGP	BKR6EIX
			3S-GE	1997~1998	BKR6EYA	BKR6EGP	BKR6EIX
			3S-GE	1999~	BKR6EP-8	BKR6EGP	BKR6EIX
			3S-GTE	1990~1996	BKR6EP-8	BKR6EGP	BKR6EIX
			4E-FE		BKR6EYA	BKR6EGP	BKR6EIX
			2E	1993~1996	BPR5EY-11	BPR5EGP	BPR5EIX-11
			4A-FE	1996~	BKR6EYA	BKR6EGP	BKR6EIX
			4A-FE	1996~1998	BKR6EYA	BKR6EGP	BKR6EIX
	CELICA	2000	3S-GTE	1990~1996	BKR6EP-8	BKR6EGP	BKR6EIX
			4E-FE		BKR6EYA	BKR6EGP	BKR6EIX
	COROLLA	1600	4A-FE	1996~	BKR6EYA	BKR6EGP	BKR6EIX
			4A-FE	1996~1998	BKR6EYA	BKR6EGP	BKR6EIX
	FORTUNER	2700	2TR-FE		LFR6C-11	-	-
			2TZ-FE	1990~	BKR5EP-11	-	BKR5EIX-11
	ESTIMA	2400	2AZ-FE	2006~	IFR6T11	-	-
			2GR-FE	2006~	DILFR6D11	-	-
	HARRIER	3500	5SFE	1998~2003	BKR6EKP-11	BKR6EGP	BKR6EIX-11
			2AZ-FE	1998~	IFR6T11	-	-
	HIACE	2700	2AZ-FE	2003~2013	IFR6A-11	-	-
			1MZ-FE	1998~2006	IFR6A-11	-	-
	HI-LUX	2000	1RZ	2004~	BPR5EY	BPR5EGP	BPR5EIX
			2RZ	1995~2004	BP5EY	BPR5EGP	BPR5EIX
	INNOVA	2000	2TRFE	2005~	-	-	LFR6AIX-11
			1RZ	1986~	BPR5EY	BPR5EGP	BPR5EIX
	IQ	1300	3Y	1986~	BPR5EY	BPR5EGP	BPR5EIX
			1NR-FE	2009.8	LFR6C-11	-	-

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX	
TOYOTA	LAND CRUISER	2400	J7	1988~1996	BP5ES	BPR5EGP	BPR5EIX	
		4700	2UZ-FE	2002~2008	IFR6T11	-	BKR6EIX-11	
	LAND CRUISER PRADO	2700	3RZ-FE			BKR5EYA	BKR5EGP	BKR5EIX
		3400	2TR-FE	2002~2004		BKR6EYA	BKR6EGP	BKR6EIX
	LITE ACE	1500	24V	1996~		BKR5EKB-11	BKR5EGP	BKR5EIX-11
		1800	5K	1983~1992		BPR5EY	BPR5EGP	BPR5EIX
		2200	2YC	1983~1992		BPR5EY	BPR5EGP	BPR5EIX
		1500	4Y-E	1992~1998		BPR5EY	BPR5EGP	BPR5EIX
		1800	1NZ-FXE	2001~		IFR5T11	-	-
		1500	2ZR-FXE	2009.6~		ILKAR7B11	LKAR7BGP	LKAR7BIX-11S
		1500	1NZ-FXE	2011~		IFR5T11	BKR5EGP	BKR5EIX-11
		2000	16V	1994~2000		BKR6EYA-11	BKR6EGP	BKR6EIX-11
		1500	3SZ-VE	2008~		DCPR7EA-9	DCPR7EAGP	DCPR7EIX
		1500	2NR-VE	2018~		ILKAR6B11	LKAR6AGP	LKAR6AIX-11
	VELLFIRE	2400	2AZ-FE	2009~		IFR6T11	-	-
		3500	2GR-FE	2009~		DILFR6D11	-	-
	VIOS	1500	1NZ-FE	2004~		BKR5EYA-11	BKR5EGP	BKR5EIX
			2NR-FE	2015~		DILFR6D11	-	-
		1800	1ZZ-FE	2002~		ILKAR6B11	LKAR6AGP	LKAR6AIX-11
		1800	2ZR-FAE	2008~PRESENT		BKR5EYA-11	BKR5EGP	BKR5EIX-11
		2000	1AZ-FSE	2006~		ILKAR7B11	LKAR7BGP	LKAR7BIX-11S
		2000	3ZR-FAE	2008~PRESENT		IFR6A-11	BKR6EGP	BKR6EIX-11
		1800	7KC	1999~2004		ILKAR7B11	LKAR7BGP	LKAR7BIX-11S
		1500	1NZ-FE	2006~2013		BKR5EY-11	-	-
		1500	2NR-FE	2019~		BKR5EYA-11	BKR5EGP	BKR5EIX-11
		1500	2NR-FE	2016~		ILKAR6B11	LKAR6AGP	LKAR6AIX-11
	ISUZU	TROOPER	1000	KP60 (2K)	1978~1984	BP5EY	BPR5EGP	BPR5EIX
			3200	6VD1	1991~1998	BKR6E-11	BKR6EGP	BKR6EIX-11
VOLKSWAGEN	D-VAN	1800	CDA	2012.7	PFR7S8EG	-	-	
		1600		1970	BP6HS	-	BPR6HIX	
	GOLF	1400	CUK	2015.9	PZKER7A8EGS	-	-	
		1800	TSI (CDA)	2009.6~	PFR7S8EG	-	-	
	GOLF GTI	2000	TSI (CDLF)	2009.11~	PFR7S8EG	-	-	
		2000	ABF	1992.10~	BK7EKG	-	-	
	GOLF GTI	2000	MK 6 (CCZB)			PFR7S8EG	-	-



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX	
VOLKSWAGEN	NEW BETTLE	1600	BFS	2007.9~	BKUR6ET-10	BKR6EGP	BKR6EIX-11	
		2000	AQY	1999.8~2002.8	BKUR6ET-10	BKR6EGP	BKR6EIX-11	
	PASSAT	1800	CDA	2010~2014	PFR7S8EG	-	-	
		2000	TSI (TYP 3C) CCZA	2009.11~	PFR7S8EG	-	-	
	POLO	1200			2010~2014	IFR6P7	-	-
			1600		2014.8	PZKER7A8EGS	-	-
		1600	AFT	1996.5~	BKUR6ET-10	BKR6EGP	BKR6EIX-11	
	POLO GTI	1600	AFT	1999.10~	BKUR6ET-10	BKR6EGP	BKR6EIX-11	
			AJV	1998.8~	BKUR6ET-10	BKR6EGP	BKR6EIX-11	
			ARC	1999.10~	BKUR6ET-10	BKR6EGP	BKR6EIX-11	
	SCIROCCO	1400	TSI (CAXD)	2008.8~	PZFR6R	-	-	
			TSI (CAXA)	2008.11~	PZFR6R	-	-	
			2000	TSI (CAXD)	2010	PFR7S8EG	-	-
			2000	TSI (CAXA)	2010	PFR7S8EG	-	-
			2000	7N		-	-	-
	SHARAN	2000	7N		-	-	-	
	TIGUAN	1400	TSI (CAVA)	2008.3~	PZFR6R	-	-	
		2000	CCZ	2010.9	PFR7S8EG	-	-	
TOUAREG	3600	FSI	2005.10~	ILZKR7A	-	-		
VOLVO	142	2000	B20E	1968~1975	BP6HS	-	BPR6HIX	
	244	2000	B19E	1978~1982	BPR6ES	-	BPR6EIX	
	850	2500	GLE	1992~1997	BKR6E	BKR6EGP	BKR6EIX	
	940	2300	B230	1990.9~	BPR6ES	BPR6EGP	BPR6EIX	
	S40			1998~	BKR5EKG	-	-	
	S40 TURBO	2000		2001~	PFR6G	BKR6EGP	BKR6EIX	
	S80 TURBO	2000	B5204T5	2001~	PFR6G	BKR6EGP	BKR6EIX	
	S80 T6	2800	B6294T6	2001~	PFR6G	BKR6EGP	BKR6EIX	
	V40 TURBO	2000		2001~	PFR6G	BKR6EGP	BKR6EIX	
	V60	1600		2011.6	ILZTR6A8G	-	-	
XC90	2500	B5254T2	2004~	PFR6G	BKR6EGP	BKR6EIX		
XC90 T6	2900	B6294T6	2004~	PFR6G	BKR6EGP	BKR6EIX		



APRILLA  
BKZ  
BMW  
BENELLI

CAGIVA  
COMEL / JRD  
DUCATI  
DEMAK

HONDA  
KAWASAKI  
KTM  
LEXUR

MODENAS  
MOTO-GUZZI  
M.Z  
NITRO

NIMOTA  
NAZA BIKES  
STAR  
SUZUKI

SYM  
VESPA  
YAMAHA

2  
WHEELER





BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
APRILLA	ETV CAPO NORD	1000		2001~	DCPR9E	-	DCPR9EIX
	MOTO 6.5	650		1995~	D8EA	-	DR8EIX
	MX 50	50			B9ES	-	BR9EIX
	PEGASO 650	650			D8EA	-	DR8EIX
	RALLY 50	50			BR8ES	BR8EGP	BR8EIX
	RS 125	125			BR9ES	-	BR9EIX
	RST FUTURA	1000		2001~	DCPR9E	-	DCPR9EIX
	RSV1000R	1000		2004~	DCPR9E	-	DCPR9EIX
	RSV4R	1000			CR9EKB	-	-
	RX 125	125			BR9ES	-	BR9EIX
	RX 250	250			B10EG	-	BR10EIX
	SR 50	50			BR8ES	BR8EGP	BR8EIX
	SR 50 (STREET)	50			B9ES	-	BR9EIX
	TOUNO 1000R	1000		2005~	DCPR9E	-	DCPR9EIX
	TUAREG RALLY 250	250			BR9ES	-	BR9EIX
BKZ	RR110	110			C6HSA	CR6HGP	CR6HIX
	RR110Z	110			C6HSA	CR6HGP	CR6HIX
	TT160	160			CR8E	CR8EGP	CR8EIX
BMW	F650	650		1994~1999	D8EA	-	DR8EIX
	F650 GS	650		2000~2002	D8EA	-	DR8EIX
	GS100	980			BP6ES	BPR6EGP	BPR6EIX
	GS80	800			BP6ES	BPR6EGP	BPR6EIX
	HP4	1000		2017~	LMAR9D-J	-	-
	K100	1000		1983~	D7EA	-	DR7EIX
	K100 RS	1000	16 VALVE	1991~	D7EA	-	DR7EIX
	K100 RT	1000			D7EA	-	DR7EIX
	K1200 GT	1200			DCPR7E	DCPR7EGP	DCPR7EIX
	K75 C	750			D7EA	-	DR7EIX
	K75 S	750			D7EA	-	DR7EIX
	R1100GS	1100			BCP7ET	-	BCPR7EIX
	R1100R	1100			BCP7ET	-	BCPR7EIX
	R1100RS	1100			BCP7ET	-	BCPR7EIX
	R80/7	800			BP6ES	BPR6EGP	BPR6EIX
R80G	800			BP6ES	BPR6EGP	BPR6EIX	
R80S	800			BP6ES	BPR6EGP	BPR6EIX	
S1000RR	1000		2017~	LMAR9D-J	-	-	

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
BENELLI	302R ABS	300		2017~	CR8E	CR8EGP	CR8EIX
	BRIXTON 150	150			DR8EA	-	-
	LEONCINO	500		2018~	CR8E	-	CR8EIX
	TNT R	1131		2015~	CR9E	-	CR9EIX
	TRE 1130 K	1131			CR9E	-	CR9EIX
	TRK 502 ABS	500		2017~	CR8E	CR8EGP	CR8EIX
	125	125			B9ES	-	BR9EIX
CAGIVA	CITY	50		1994~	BP8HS	BPR8HGP	BPR8HIX
	ELEFANT 750	750		1987~	DPR9EA-9	-	DPR9EIX-9
	ELEFANT 900	900		1991~	DPR9EA-9	-	DPR9EIX-9
	MITO 125	125			B9ES	-	BR9EIX
	MITO SP125	125			B9ES	-	BR9EIX
	RAPTOR	650		2000~	CR8EK	CR8EGP	CR8EIX
	RAPTOR 650	650		2000~	CR8E	CR8EGP	CR8EIX
	SCOOTER (D)	50			BP8HS	BPR8HGP	BPR8HIX
	SS250	250			B8ES	BR8EGP	BR8EIX
	SST250	250			B8ES	BR8EGP	BR8EIX
	SX250	250			B8ES	BR8EGP	BR8EIX
	SXT250	250			B8ES	BR8EGP	BR8EIX
	V-RAPTOR	650		2000~	CR8E	CR8EGP	CR8EIX
	X-TRA V-RAPTOR	1000		2003~	CR8EK	CR8EGP	CR8EIX
	COMEL / JRD	120 SPORT	120			C6HSA	CR6HGP
ADMIRAL RD-150R		150			C6HSA	CR6HGP	CR6HIX
COMET ACERR					C6HSA	CR6HGP	CR6HIX
CYCLONE 150		150			C6HSA	CR6HGP	CR6HIX
HARIMAU 150		150			C6HSA	CR6HGP	CR6HIX
MANJA 110		110			C6HSA	CR6HGP	CR6HIX
MANJA 125		125			C6HSA	CR6HGP	CR6HIX
MANJA G55		125			C6HSA	CR6HGP	CR6HIX
MANJA II		125			C6HSA	CR6HGP	CR6HIX
MANJA III		125			C6HSA	CR6HGP	CR6HIX
MAXX					C6HSA	CR6HGP	CR6HIX
MONYET 70		70			C6HSA	CR6HGP	CR6HIX
QUEST 125R		125			C6HSA	CR6HGP	CR6HIX
RAINBOW RB 125		125			C6HSA	CR6HGP	CR6HIX
RC 125		125			C6HSA	CR6HGP	CR6HIX



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
COMEL / JRD	SNOW 125R	125			C6HSA	CR6HGP	CR6HIX
	STORM 125Z	125			C6HSA	CR6HGP	CR6HIX
	SUMMER 70	70			C6HSA	CR6HGP	CR6HIX
	SWNG				C6HSA	CR6HGP	CR6HIX
	TRAVELLER 150	150			C6HSA	CR6HGP	CR6HIX
DUCATI	TURBULENCE 125	125			C6HSA	CR6HGP	CR6HIX
	618	700			-	-	DCR8EIX
	695	700			-	-	DCR8EIX
	748	748			-	-	DCR9EIX
	750	750			-	-	DCR8EIX
	848	849		2007~	MAR10A-J	-	-
	888	888			-	-	DCR9EIX
	904	1000			-	-	DCR8EIX
	916	916		1994~	-	-	DCR9EIX
	989	1000			MAR10A-J	-	-
	992	1000			-	-	DCR8EIX
	996	1000			-	-	DCR9EIX
	1078	1100			-	-	DCR8EIX
	1098	1100		2007~2008	MAR10A-J	-	-
	1099	1100			MAR10A-J	-	-
	DESMONSEDICI	1000			MAR10A-J	-	-
	DIAVEL	1200			MAR9A-J	-	-
	GT1000	1000			MAR10A-J	-	-
	HYPERMOTARD	1100			DCPR8E	-	DCPR8EIX
	HYPERMOTARD 796	800			DCPR8E	-	DCPR8EIX
	MONSTER 696	700			DCPR8E	-	DCPR8EIX
	MONSTER 796	800			DCPR8E	-	DCPR8EIX
	MONSTER1100 S/EVO	1100			DCPR8E	-	DCPR8EIX
MULTISTRADA 1200S	1200			MAR9A-J	-	-	
MULTISTRADA TWIN SPARK	1200			MAR10A-J	-	-	
PANIGALE	1200			MAR9A-J	-	-	
SCRAMBLER	800			DCPR8E	-	DCPR8EIX	
SPORT 1000S	1000			DCPR8E	-	DCPR8EIX	
STREETFIGHTER 848	850			DCPR8E	-	DCPR8EIX	
STREETFIGHTER S	1100			MAR10A-J	-	-	
DEMAK	ALL SCOOTER SERIES	110			C6HSA	CR6HGP	CR6HIX

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
DEMAK	DTM 150	150			DR8EA	-	-
	MATRIX 110	110			C6HSA	CR6HGP	CR6HIX
	SMART 110	110			C6HSA	CR6HGP	CR6HIX
	SMART-R 125	125			C6HSA	CR6HGP	CR6HIX
	SPARKS 100	100			C6HSA	CR6HGP	CR6HIX
	ADV 750	750		2017	IFR6G-11K	-	-
	AIRBLADE	125			CPR7EA-9	CPR7EAGP-9	-
	BEAT	110		2017	MR9C-9N	CPR9EAGP-9	CPR9EAIX-9
	C70	70			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	C80	90			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
HONDA	C90	90			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	CB 100	100			D7EA	-	DR7EIX
	CB 400SF	400			CR8EH-9	-	CR8EHIX-9
	CB 500X	500			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	CB 650	650		2018	IMR9E-9HES	-	-
	CBF 250	250		2018	SIMR8A9	-	-
	CBR 1000RR	1000			IMR9E-9HES	-	-
	CBR 150R	150			CR8E	CR8EGP	CR8EIX
	CBR 250R	250			SIMR8A9	-	-
	CBR 400RR	400			CR8EH-9	-	CR8EHIX-9
	CBR 500F	500			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	CBR 500RR	500			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	CBR 600RR	600			IMR9C-9H	-	-
	CBR 650	650		2017	CR9EH-9	-	-
	CBR 650	650		2019	IMR9E-9HES	-	-
	CLICK 110	110			CR7EH-9	-	-
	CRF 250	250			SIMR8A9	-	-
	DREAM	100		2004~	C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	EX5	100			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	EX5 CLASS	100			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	EX5 CLASS 1	100			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	EX5 FI (NEW)	110			CPR6EA-9S	CPR6EAGP-9	-
	FAME	90			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
FORZA (NSS 300)	300		2018	LMAR8A-9	-	-	
FUTURE	125			CPR6EA-9S	CPR6EAGP-9	-	
GL 100	100			D7EA	-	DR7EIX	



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
HONDA	GL 125	125			D7EA	-	DR7EIX
	GL 145	145			D7EA	-	DR7EIX
	GOLDWIND 1200GL	1200			DPR7EA-9	-	DPR7EIX-9
	GOLDWIND 1500GL	1500			DPR7EA-9	-	DPR7EIX-9
	HURRICANE	600			B6ES	-	-
	ICON	110			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	INTEGRA700	700			IFR6G-11K	-	-
	Monkey	125		2018	CPR6EA-9	CPR6EAGP-9	-
	MSX 125	125		2017	CPR6EA-9	CPR6EAGP-9	-
	NC 700	700			IFR6G-11K	-	-
	NSR 150R	150			B8ES	BR8EGP	BR8EIX
	NX 105	105			BP6ES	BPR6EGP	BPR6EIX
	PCX 150 (K97)	150		2018	MR8K-9	-	-
	PCX150	150		2012~	CPR7EA-9	CPR7EAGP-9	-
	RAIDER	150			B8ES	BR8EGP	BR8EIX
	RS150	150			MR9C-9N	CPR9EAGP-9	CPR9EAIX-9
	SPACY	110			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	SUPER CUB (C125)	125		2018	CPR6EA-9	CPR6EAGP-9	-
	VARIO 150	150		2018	CPR9EA-9	CPR9EAGP-9	CPR9EAIX-9
	KAWASAKI	WAVE 100	100			C6HSA / C7HSA	CR6HGP / CR7HGP
WAVE 110		110			CPR6EA-9S	CPR6EAGP-9	-
WAVE 125		125			CPR6EA-9	CPR6EAGP-9	-
WAVE ALPHA		110			CPR6EA-9	CPR6EAGP-9	-
WAVE DASH (REPSOL)		110			CPR6EA-9S	CPR6EAGP-9	-
WAVE DASH 110		110			CPR6EA-9S	CPR6EAGP-9	-
1400GTR/ 1400GTR ABS		1400		2008~2013	CR9EIA-9	-	-
AN90 (HONEY)		90			C6HSA	CR6HGP	CR6HIX
AXM 100		100			C6HSA	CR6HGP	CR6HIX
BALIUS		250		2007	CR9E	-	CR9EIX
D-TRACKER		150		2011~2012	CR7HSA	CR7HGP	CR7HIX
D-TRACKER		125			CR8E	CR8EGP	CR8EIX
D-TRACKER X		250			CR8E	CR8EGP	CR8EIX
ELIMINATOR 250		250		1995	CR8HSA	-	CR8HIX
ER-6N/F		600		2006~2014	CR9EIA-9	-	-
GPZ500S		500		1994~1996	DR9EA	-	-
H2		1000			SILMAR9B9	-	-

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
KAWASAKI	K115	115			BP7HS	BPR7HGP	BPR7HIX
	K-I SPORT	115			BP7HS	BPR7HGP	BPR7HIX
	KLX 110	110		2002~	CR6HSA	CR6HGP	CR6HIX
	KLX 150/ KLX 150L	150		2009~2014	CR7HSA	CR7HGP	CR7HIX
	KLX 250	250			CR8E	CR8EGP	CR8EIX
	KLX 450R	450		2008~2012	CPR8EB-9	-	-
	KR 150	150			BP8ES	BR8EGP	BR8EIX
	KR 150	150		2007~2008	B9ECS	-	-
	KRR 150	150			BP8ES	BR8EGP	BR8EIX
	KRX 150	150			B9ES	-	BR9EIX
	KRZ 150	150			B9ES	-	BR9EIX
	KSR 110 / KSR PRO	110		2010~2014	CR6HSA	CR6HGP	CR6HIX
	KX 250 / KX 250 F	250		2008~2010	CR8E	CR8EGP	CR8EIX
	KX 250 F	250		2011~2012	CPR8EB-9	-	-
	KX 450 F	450		2008~2012	CPR8EB-9	-	-
	NINJA 250R	250			CR8E	CR8EGP	CR8EIX
	NINJA 250SL	250		2014~Present	MR8CI-8	CR8EGP	CR8EIX
	NINJA 650	650			CR9EIA	-	-
	NINJA KRR ZX 150	150			BR9ECS	-	BR9EIX
	RR 100 NINJA/VICTOR	100			BP8ES	BPR8EGP	BPR8EIX
KAWASAKI	SERPICO 150	150			B9ES	-	BR9EIX
	VERSYS 1000	1000		2012~2013	CR9EIA	-	-
	VERSYS 650	650		2007~2016	CR9EIA-9	-	-
	VULCAN 1500	1500		1996~1997	DPR7EA-9	-	DPR7EIX-9
	VULCAN 1700	1700		2009~2013	ILZKAR7B11	-	-
	VULCAN 500 (BELT)	500		1995~1996	D9EA	-	DR9EIX
	VULCAN 500 (CHAIN)	500		1997	DR9EA	-	DR9EIX
	VULCAN 750	750		1994~1995	DPR7EA-9	-	-
	VULCAN 800	800		1996~2000	CR7E	-	CR7EIX
	VULCAN 900	900		2006~2013	CPR7EA-9	-	-
	W 800	800		2013	CR8E	CR8EGP	CR8EIX
	Z1000	1000		2007~	CR9EIA-9	-	-
	Z1000SX ABS	1000		2011~2013	CR9EIA-9	-	-
	Z250	250		2013~2014	CR8E	CR8EGP	CR8EIX
	Z250 SL	250		2014	MR8CI-8	CR8EGP	CR8EIX
	Z750	750		2007~2012	CR9E	-	CR9EIX



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
KAWASAKI	Z800	800		2013~2014	CR9EK	-	CR9EIX
	Z900	900		2017	CR9EIA-9	-	-
	ZRX 1200	1200		2012~2013	CR9EK	-	CR9EIX
	ZSR 150 (CYCLONE)	150		1997	B8ES	BR8EGP	BR8EIX
	ZX-10R	1000		2008~2013	CR9EIA-9	-	-
	ZX-14R	1400		2010~2013	CR9EIA	-	-
	ZX-4	400			CR9E	-	CR9EIX
	ZX-636	636		2013~	CR9E	-	CR9EIX
	ZX-6R	600		2007~2012	CR9E	-	CR9EIX
	ZX-7R	700			CR9E	-	CR9EIX
	ZX-9R	900			CR9E	-	CR9EIX
	ZXR 250	250		1997	CR9E	-	CR9EIX
	ZZR 1100	1100			CR9E	-	CR9EIX
	ZZR 1400	1400		2008~2013	CR9EIA	-	-
ZZR 250	250		1994	CR8HSA	-	CR8HIX	
KTM	DUKE 1290	1290			LKAR9BI9 + LMAR7A-9	-	-
	DUKE 200	200			LKAR8A-9	-	LKAR8AI-9
	DUKE 390	390			LKAR8A-9	-	LKAR8AI-9
	DUKE 690	690			LKAR8AI-9	-	-
	DUKE 990	990			LKAR8BI9	-	-
	RC8R1190	1190			LKAR9BI9 + LMAR7A-9	-	-
	SUPERMOTO 990	990			KR8DI	-	-
LEXUR	EVO	110			C7HSA	CR7HGP	CR7HIX
	LUCKY	110			C7HSA	CR7HGP	CR7HIX
	SC 125	125			C7HSA	CR7HGP	CR7HIX
MODENAS	X-DREAM	110			C7HSA	CR7HGP	CR7HIX
	ACE 115	115			C7HSA	CR7HGP	CR7HIX
	CERIA	100			C7HSA	CR7HGP	CR7HIX
	DINAMIK 125	125			B9ES	-	BR9EIX
	ELEGAN 150	150			CR8E	CR8EGP	CR8EIX
	ELITE 150	150			C7HSA	CR7HGP	CR7HIX
	GT 128	128			C6HSA	CR6HGP	CR6HIX
	JAGUH	175			CR8E	CR8EGP	CR8EIX
	KARISMA	100			C7HSA	CR7HGP	CR7HIX
	KRISS	100			C6HSA	CR6HGP	CR6HIX
KRISS 2	110			C6HSA	CR6HGP	CR6HIX	

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
MODENAS	KRISS SE	150			C6HSA	CR6HGP	CR6HIX
	KRISS SG	110			C6HSA	CR6HGP	CR6HIX
	KRISTAR	110			C7HSA	CR7HGP	CR7HIX
	MR1	125			C6HSA	CR6HGP	CR6HIX
	NS200	100			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	PASSION	750			CR8E	CR8EGP	CR8EIX
	RS200	125			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
MOTO-GUZZI	X-CITE	110			C6HSA	CR6HGP	CR6HIX
	1100 SPORT	70		1994~	BPR6ES	BPR6EGP	BPR6EIX
	CALIFORNIA 1100	90		1994~	BPR6ES	BPR6EGP	BPR6EIX
	NEVADA 750	90		2004~	BP8ES	BR8EGP	BR8EIX
M.Z	CLASSIC 120	100			C7HSA	CR7HGP	CR7HIX
	MANTIZZ 125	400			C7HSA	CR7HGP	CR7HIX
	MOSKITO 125	500			C7HSA	CR7HGP	CR7HIX
	MZ 125SM/SX	650			CR8E	CR8EGP	CR8EIX
	PERINTIS 120	250			C7HSA	CR7HGP	CR7HIX
	ACTION AIR	1000			C7HSA	CR7HGP	CR7HIX
	BABY STAR 50	150			BP7HS	BPR7HGP	BPR7HIX
	BINTANG I & II 125	250			C7HSA	CR7HGP	CR7HIX
	CITY JUMBO	400			C7HSA	CR7HGP	CR7HIX
	CITY STAR 125	500			C7HSA	CR7HGP	CR7HIX
NITRO	DAELIM DAYSTAR	500			CR8EH-9	-	CR8EHIX-9
	ENERGU	600			C7HSA	CR7HGP	CR7HIX
	GOLDEN STAR 125	650			C7HSA	CR7HGP	CR7HIX
	GRAND 125	650			C7HSA	CR7HGP	CR7HIX
	GRAND SLAM	110			D8EA	-	DR8EIX
	IMPALA	250			C7HSA	CR7HGP	CR7HIX
	JANGGO	100			C7HSA	CR7HGP	CR7HIX
	MEGASTAR 150	100			C7HSA	CR7HGP	CR7HIX
	NX5	100			C7HSA	CR7HGP	CR7HIX
	POWER	100			C7HSA	CR7HGP	CR7HIX
	RAMBO	110			D8EA	-	DR8EIX
	RANGER I & II	90			D8EA	-	DR8EIX
	ROADWIN 125	300			CR8EH-9	-	CR8EHIX-9
	ROYAL I & II 125	125			C7HSA	CR7HGP	CR7HIX
	SILVER STAR 150	100			C7HSA	CR7HGP	CR7HIX



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
NITRO	SONIC				C7HSA	CR7HGP	CR7HIX
	STAR 125	125			C7HSA	CR7HGP	CR7HIX
	STRIKER				C7HSA	CR7HGP	CR7HIX
	SUMMER STAR 125	125			C7HSA	CR7HGP	CR7HIX
	SUPER GRAND 150	150			C7HSA	CR7HGP	CR7HIX
	SUPER IMPALA I, II, III	110			C7HSA	CR7HGP	CR7HIX
	SUPER STAR 125	125			C7HSA	CR7HGP	CR7HIX
	SUPREME GRAND 150	150			C7HSA	CR7HGP	CR7HIX
	WINDSTAR I, II, III & X				D8EA	-	DR8EIX
	WINSTAR 250	250			C7HSA	CR7HGP	CR7HIX
NIMOTA	CITY SPORT 130	130			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	RANGER X	150			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	TWIST R				C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
NAZA BIKES	BLADE 250, 650	250, 650			CR8E	CR8EGP	CR8EIX
	BLITZ 150	150			CR8E	CR8EGP	CR8EIX
	CRUISE 250, 650	250, 650			CR8E	CR8EGP	CR8EIX
	CRUISE II 250	250			CR8E	CR8EGP	CR8EIX
	FLASH 125	125			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	GEMILANG I, II 150	150			C7HSA	CR7HGP	CR7HIX
	GTR 150	150			DPR7EA-9	DPR7EGP-9	DPR7EIX-9
	GTR 170	170			DPR7EA-9	DPR7EGP-9	DPR7EIX-9
	NZ 125R	125			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	PRISMA 110, 125	110, 125			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
STAR	SYMPHONY 125	125			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	EVO 110	110			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	JET 2				C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	VISA 110	110			C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
	WIZH 2				C6HSA / C7HSA	CR6HGP / CR7HGP	CR6HIX / CR7HIX
SUZUKI	BELANG 150	150			CR8E	CR8EGP	CR8EIX
	FC 110	110			C6HSA	CR6HGP	CR6HIX
	FD 110X	110			C6HSA	CR6HGP	CR6HIX
	FX 110	110			C6HSA	CR6HGP	CR6HIX
	FX 125	125			CR8E	CR8EGP	CR8EIX
	FX 150	150			CR8E	CR8EGP	CR8EIX
	GSX 110	110			C6HSA	CR6HGP	CR6HIX
	GSX S1000F	1000			CR9EIA-9	-	-

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
SUZUKI	GSX-R600 (08~)	600			CR9EIA-9	-	-
	GSZ-R1000 (07~)	1000			CR9EIA-9	-	-
	RC 80 · RC 100	80,100			BP7HS	BPR7HGP	BPR7HIX
	RG SPORT 110	110			BP8ES	BR8EGP	BR8EIX
	RGV 120	120			BP8ES	BR8EGP	BR8EIX
	RGX 120	120			BP8ES	BR8EGP	BR8EIX
	RR 110 (BEST)	110			BP8HS	BPR8HGP	BPR8HIX
	SHOGUN 125 · RR	125			C6HSA	CR6HGP	CR6HIX
	SKYDRIVE	125			C6HSA	CR6HGP	CR6HIX
	SMASH	110			C6HSA	CR6HGP	CR6HIX
	SMASH PRO	125			C6HSA	CR6HGP	CR6HIX
	SMASH REVO	110			C6HSA	CR6HGP	CR6HIX
	SMASH V115	115			C6HSA	CR6HGP	CR6HIX
	STEP 125	125			C6HSA	CR6HGP	CR6HIX
	TRS 118	120			BP8HS	BPR8HGP	BPR8HIX
	TXR 150	150			BP8ES	BR8EGP	BR8EIX
	V 100	100			BP7HS	BPR7HGP	BPR7HIX
	VR 125	125			CR8E	CR8EGP	CR8EIX
	VS 125	125			CR8E	CR8EGP	CR8EIX
	SYM	BONUS 110	110			C6HSA	CR6HGP
CRUISYM 250		250		2018~	CR8E	CR8EGP	CR8EIX
EVO 250		250			CR8E	CR8EGP	CR8EIX
GTS 200		200			CR8E	CR8EGP	CR8EIX
Jet 14 Scooter		125		2018~	CR7HSA	CR7HGP	CR7HIX
JET POWER 125		125			CR7HSA	CR7HGP	CR7HIX
JOYRIDE 110		110			C6HSA	CR6HGP	CR6HIX
MAXSYM400i		400			CR8E	CR8EGP	CR8EIX
MIO 100		100			CR7HSA	CR7HGP	CR7HIX
RADAX 125		125			C6HSA	CR6HGP	CR6HIX
SPORT BONUS		110			C6HSA	CR6HGP	CR6HIX
SYMPHONY 150SR		150		2010~	CR7HSA	CR7HGP	CR7HIX
T2 250i		250			CR8E	CR8EGP	CR8EIX
VF3i		183		2018~	CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
VESPA		150 SUPER	150			BP4HS	-
	200 RALLY	200			B6ES	-	-
	P150 · XP150 ·	150			BP4HS	-	-



BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
VESPA	SPRINT	150			BP4HS	-	-
	135 LC	135			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	EGO AVANTIZ	125			CR6HSA	CR7HGP	CR7HIX
	EGO LC125	125			CR7E	CR7EGP	CR7EIX
	EGO S115	115			C7HSA	CR7HGP	CR7HIX
	EGO SOLARIZ	125			CR6HSA	CR7HGP	CR7HIX
	FZ 150	150			CR8E	CR8EGP	CR8EIX
	LAGENDA 110	110			C7HSA	CR7HGP	CR7HIX
	LAGENDA 115 FI (NEW)	115			CR7HSA	CR7HGP	CR7HIX
	MT-07	700			LMAR8A-9	-	-
	MT-09	847			CPR9EA-9	CPR9EAGP-9	CPR9EAIX-9
	MT-09 TRACER	847			CPR9EA-9	CPR9EAGP-9	CPR9EAIX-9
	NMAX	150			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	NOUVO 135LC	135			CR7E	CR8EGP	CR8EIX
	NOUVO AT 115	115			CR7HSA	CR7HGP	CR7HIX
	NVX 155	155			CPR8EA-9	CPR8EAGP-9	CPR8EAIX-9
	RS 125R	125			BP7HS	BPR7HGP	BPR7HIX
	RXS 115	115			BP7HS	BPR7HGP	BPR7HIX
	RXZ 135	135			BP8ES	BR8EGP	BR8EIX
	YAMAHA	SRE	100			C7HSA	CR7HGP
SR-LAGENDA 100		100			C7HSA	CR7HGP	CR7HIX
SRV		540			C7HSA	CR7HGP	CR7HIX
SRX		500			C7HSA	CR7HGP	CR7HIX
SS100 II		100			C7HSA	CR7HGP	CR7HIX
TZM 150		150			BP7HS-10	BPR7HGP	BPR7HIX
TZR 125 - 250A		125, 250			BR9ES	-	BR9EIX
VIRAGO XV 250		250			BR9ES	-	BR9EIX
VIRAGO XV 535		535			CR6HS	CR6HGP	CR6HIX
XJ6 DIVERSION		600			BPR7ES	BPR7EGP	BPR7EIX
XMAX		250			CR9E	-	CR9EIX
XVS 650 DRAG STAR		650		1997~	LMAR8A-9	-	-
XVZ 13 AJ ROYAL STAR		1300			DPR7EA-9	DPR7EGP-9	DPR7EIX-9
Y 110		110			DPR7EA-9	DPR7EGP-9	DPR7EIX-9
Y100 II		100			BP7HS	BPR7HGP	BPR7HIX
Y125 Z - ZR		125			BP7HS-10	BPR7HGP	BPR7HIX
Y15Z		150			B8ES	BR8EGP	BR8EIX
					CR8E	CR8EGP	CR8EIX

BRAND	MODEL	CC	ENGINE MODEL	YEAR	OE / EQUIVALENT	G-POWER	IX
YAMAHA	YP250 MAJESTY	250			DR8EA	DR8EGP	DR8EIX
				2004~2008	CR9EK	-	CR9EIX
	YZF-R1	1000		2009~	LMAR9E-J	-	-
	YZF-R15	155			MR8E-9	-	-
	YZF-R25	250			CR8E	CR8EGP	CR8EIX
	YZF-R6	600		1998~	CR10EK	-	-



DOLMAR  
FUJI ROBIN  
HOMELITE  
HONDA

HUSQVARNA  
KIORITZ (ECHO)  
KYMCO  
MAKITA

McCULLOCH  
REMINGTON  
STIHL  
SOLO

TANAKA  
YAMAHA  
YANMAR

COMMERCIAL  
& INDUSTRIAL



GENERATOR		
BRAND	MODEL	NGK
FUJI ROBIN	EC02A	BM7A
	EC04-3	B7HS
HONDA	EBO, E100, E300,3400	CM6
	E600, E900, EG1000 (G28), GX22	C6HSA
	E1500 (G42), E2000, E2500, E2800, ED1000, EG1500 (G42)	B6HS
	E1500K4, EB4000, EBK2500K1, EBK2600, EBK3600K	BR4HS
	EG1200Z,EG1400Z,EG1500	BR4HS
	E1500 (G200), E2500 (G300), E3500 (G400), EC1500, EG1500 (G200)	B4H
	E4500 (G400), EB1500, EB1600, EB1800, EB1900, EB2800	BPR4HS-10
	EB3800, EBK1600, EBK2000, EC1500 (COI), EG1500 (G200) CD	BPR4HS-10
	EM1600, EM1800, EM1900, EM2200, EM4000	BPR4HS-10
	EB1000,ED300,ED400	BMR4A
	EB1200X, 1300X, 1400X, 1500X, EB1800X, B2200X	BPR6ES
	EB2500/X,EB3000S/X,EB3500X,EB4500,EB5000	BPR6ES
	ED1000X,EG850X,EG1000X	BPR6ES
	EG1300X,EG1400/X,EG4500,EG5000	BPR6ES
	EC1000, EC1500K4, ECK1500, EF1000K, EG850, EG1000K, EG1200	BR4HS
	EC1500, EG1000 (G35)	B6HS
	ED300/K1, EM500 (84), EM600	BPMR4A-10
	ED300/K1, EM400, EM500/K1	BPMR6A-10
	EG550, EG650, EM650	BMR4A
	EG3000/X, EG5000X, EM350, EM1900X, EM2200X, EM2500C/X, EM3000X	BPR5ES
	EM4500CX/CX1/CXS/CXS1, EM4500X/SX, EM5000SX/CXS1	BPR5ES
	EN3500,EN5000	BPR5ES
	EM25/K1/K2, EM30/K1/K2, EM1200X, EM1499X, EM1500X, EM3000C	BPR6ES
EM4500, EM5000, EN2000, EN2500	BPR6ES	
EM3000, ET5000	B6ES	
GX110, GX120, GX140, G160, GX240, GX270, GX390	BPR6ES	
ET500,600/A,650,800,900/A,950	B5ES	
ET1500/D/M/S, EF1500S	B7HS	
EC1200, 2800, 42000V, 50000V, 5000E	BP6HS	
EF200A/DV,600S,800,900S, 1000/B, 1200A/DA/DV, 1400A/DV/H	BP6HS	
EF1600/R, 1700/A/DV, 1800, 2000A/H/DV, 2100, 2400A/DV, 2500/R	BP6HS	
EF2600, 2800A/H/DV, 3200, 3600E/DV, 3800/R, 4000/E/DV/K	BP6HS	
EF4300,4400E/DV,5000E/DV	BP6HS	

GENERATOR		
BRAND	MODEL	NGK
YAMAHA	EF5000,5400,6000	BP5ES
	EF2300/A/S/SE, 2800ISE, 4000/A, 5500/A, 6000DVE/E/TE	BP4ES
YANMAR	EF2000HK/K, 2800HK/K	BP4HS
	YSG550E, 750A, 750AE, 750E	BPM4A
	YSG1505, 2005, 2505, 3005, 3505	BP5ES
	YSG1506,2006,2506,3006,3506	BP5ES

BRUSH CUTTER		
BRAND	MODEL	NGK
DOLMAR	MS30U, 340, 2600, 3300, 4000, 4100, 4150, 4500	BPM7A
	MS30U, 221,250,300, 310	BM7A
	LT210, BC210, BC212	BM6F
	LT250	BM7A
	BC250, 330, 400, LT160	BPM6F
FUJI ROBIN	BE221, NBF171, NBF211, NBF251	BM7A
	BH2500, BH3500	CMR6A
	NB26, 27, 31, 50, 171, 211, 221, 223, 231, 251, 252, 253, 281, 321	BM7A
	NB-351, NB411, NBK411, NBT415	BPM7A
	NB30, NB60	B7HS
HONDA	UMK422, UMK431, UMR431	C5HSB
	UM21, UM2160, UM536/K1	BPR5ES
	UMK435 (04'), UMR435 (10'), UMR425 (07')	CMR5H
HUSQVARNA	16H, 18H, 24H, 26H, 26RJ, 120L, 132HBV, 225DR/RT, 232LR	BMR7A
	RBC220, 221,230,251,260,261,520	BM7A
	RBC260, 261, 411	BPM7A
	RBK411	BPM7A
	RST250	BM7A
	SUM-321, 328,351	BM7A
	TBC-218, 262, 373, 422, 424, 425, 501	BM6A
	TBC-220, 224, 240, 250, 265	BPM6A
	TBC-264, 321, 322, 324, 325, 355	BM7A
	TBC-2000, 4000, 4500, 5000	BPM6A
YAMAHA	TST-218	BM6A
	YBC20D, 20S, 30D, 40D, 50D	BPM6A





CHAIN SAW		
BRAND	MODEL	NGK
DOLMAR	100,101,103,104,105,106, 108,112,152	BM6A
	110, 110i, 111, 112S, 113, 113S, 114, 115, 115i, 117, 118S, 119, 120, 120i	BPM7A
	120S, 121,122, 122S, 123,133, 133S, 143,153,160,166,309,310,343,308	BPM7A
	PS-6000i, 6000H, 6800i, 6800H, 9000, S6000	BPMR7A
	122SL, 128KMS4	BM7A
	309,343	BPM6A
	PS-33/340/400/401, PS410/33, PS411/33	BPMR6F
	40P, 44, F70	BM6A
HUSQVARNA	35, 36, 40, 41	BMR7A
	B65, B77, F65, 40P, 61P, G65, K65, L65, L77, R65, 61P, 65, 65K, 778S	BPM6A
	162E/FE/FG, 163CD/S, 165R, 234SE/SG, 238SE/SG, 240S/SE/SG	BPM6A
	260CD, 263CD, 280CD/S/G, 266SE/SG/FE/FG, 268, 340SE, 340SG, 394	BPM6A
	340SE/SG, 344FE/FG, 389CD/K/S, 444FE/FG/SE/SG, 480CD/K	BPM6A
	285CD, 1100CD, 2100CD, 2100 CDW	BM7A
	A70, A77, A100, 2101CD, 133SF/SG, 154SE/SG, 180S, 181SE/SG/CD	BM7A
	36, 40, 41, 42, 45, 51, 55, 140R/S, 160S, 162S, 181, 281, 288	BPM7A
	RANCHER 40, 50, 61	BPMR6A
	CS-100	B-7S
	CS-60S, CS-30EVL, CS-200E, CS-280EG/EVL, CS-285EVL, CS-290EVL	BM6A
	CS-302/S, CS-304VL, CS-315, CS-320EVL, CS-330EVL, CS-351VL	BM6A
CS-451VL, CS-452VL, CS-600, CS-601/S/SVUEVL, CS-701VUSVL	BM6A	
CS-1001VL, CSB452VL, CSB-280/E, 330EVL, SB452VL	BPM7A	
CS-280E, CS-300EVL, CS-360EVL, CS-400EVL, CS-500VL/EVL	BPM6A	
CS-3900, CSB-360EVL, 400EVL	BPM6A	
CS-332/EV, CS-440EVL, CS-510EVL, 550EVL, CS-602VL, CS650EVL	BPM7A	
CS-660EVL, CS-702VL/EVL, CS-750VL/EVL, CS-900EVL, CS-1200	BPM7A	
CS-2800, 2900, 3000, 3400, 3600, 4000, 400, 4500/P, 4600, 4601, 5500	BPM7A	
CS-5501, 6700, 6701, 8000, 8000P	BPM7A	
CSB-440EVL, 550EVL, 650EVL, 660EVL, 750EVL, 2800, 2900	BPM7A	
CSO-1200, CST-600EVL, CST601EVL, SRM2001S	BPM7A	
06, 07, 07S, 08, FS353, TS350	BPR6HS	
009/AV, 010/AV, 011/AV, 015/AV, 017, 019T, 020AV/AVS, 024AV	BPMR7A	
028AV/AVS,020T,024WB,026C,028S,023L,044C,FS48, FS52, FS62	BPMR7A	
030AV,031AV,040AV,042AV,045AV,050AV,064,070AV,075AV	BPMR7A	
084, 090AV/N/S, 1106G/GS, 1601, BG60, FS20, FS50, FS65, FS80, FS90	BPMR7A	

CHAIN SAW		
BRAND	MODEL	NGK
STIHL	032AV,034AV,038AV/AVS,041AV,046/C,048AV,051AV,056AV/AVS	BPMR6A
	076AV, 088FR350, FR450, FS75, FS85, FS120, FS300, FS350, FS400/K	BPMR7A
	FS81,FS151, FS202, FS401,TS200,TS400, TS460,TS510	BPMR7A
	FS150, FS200, FS410	BPMR7A
	H60, S10, TS350AVE, TS360AVE, TS360S, TS760	BPMR7A
	HS61, HS72, HS74, HS76, HS151, HS202, HS242, HS246, SR400	BPMR7A
TANAKA	ECS-290, 300, 320, 330, 351, 355, 356, 357	BM6A
	ECS-370, 405,415,505, 506, 650, EHC-120	BM7A
	ECS-3500, 4000	BPM6A
	ECV-3400, 4000	BPM7A

LAWN MOVER		
BRAND	MODEL	NGK
HOMELITE	YARD TRAC	B-4
	M26	B7S
HONDA	GVX120, H3001, H3009, H3011H, H3013H, H4013	BP5ES
	UM21, 24, 28, 2160, 2460, 536/K/K2/K3, 616/K1/K2/K3	BP5ES
HUSQVARNA	MK500, MK500 (Auto), Royal 820-8	BM6A
	Rider 1000-14, 1200-18	BP5ES
	Royal 48SEK/SK, 53SEK	BP6ES
KYMCO	MF 32AA, MF 40AA	BP5ES
McCULLOCH	300, 500, 700	B6S
REMINGTON	All Model	BM6A
SOLO	102, 103, 106, 107, 110, 000	BM7A
	520, 549, 554, 554L, 563, 563L, Profi 549	B6HS
	522,543,543L,57 583	B5HS
STIHL	FS36,FS44	BM6A
	FS74, FS86, FS229, FS280, FS420	BM7A
	YB20S/20D/30D/40D/50D	BM6A
YAMAHA	YLM-Series 342, 346, YT3600	BR4ES
	YLM-Series 446, 553, 653	BP5ES
	YT2300	BCPR5ES
	YT6800	BPR5HS

PUMP ENGINE		
BRAND	MODEL	NGK
HONDA	WX10K1	CMR5H

TILLER		
BRAND	MODEL	NGK
HONDA	FG110/K1 (05')	CMR5H

POWER DUSTER		
BRAND	MODEL	NGK
FUJI ROBIN	NF302, 352, 351, 400, 411, 412, 600	BPM7A
	RS02RS, RS02B, RS232, RS233, RSB232	BM7A
	FH03, FH04, FH03-0A, FH04-03, PS04	B7HS
	RS03, 03-0A, 03-04, 04, 04-2A, 04-3, 301, 331, 350, 401, 412, 450	B7HS

GENERAL PURPOSE ENGINE		
BRAND	MODEL	NGK
HONDA	GX22, GX33, GX100, GX100U, GXH50, GXV50	CR5HSB
	GX25 (02'), GX25NT/T, GX35N/NT/T (05')	CMR5H
	GX120U	BPR4ES
	GXV160UA/H, GXV340UA/UH/UT, GXV390K/UA/UT, GXV520U, 530U, 610	BPR5ES
	GX110, GX120/U/UT, GX120, GX140, GX160H, GX160/UT	BPR6ES
	GX200, GX240, GX270OU	BPR6ES
	GX390U/UT, GX610/620 (98')	BPR6ES
	GX360	BPR4HS



JOHNSON  
EVINRUDE  
MERCURY  
MARINE

SUZUKI  
TANAKA  
TOHATSU  
YAMAHA

ENDURO MODEL  
WATER VEHICLE

MARINE



BRAND	MODEL	NGK	
JOHNSON/ EVINRUDE	2HP, 3.3HP, 90HP, 120HP, 225HP, 300HP	BPR6HS/BP6HS	
	4HP, 6HP, 8HP, 10HP, 14HP, 15HP	BR7HS/B7HS	
	25HP, 30HP, 70HP, 115HP, 150HP, 250HP	BR7HS/B7HS	
	140HP	BU8H	
<b>2 STROKE</b>			
MERCURY	2.2HP, 2.5HP, 3HP, 3.3HP, 3.5HP (90'-94')	BP6HS-10	
	3.6HP, 4HP, 5HP, BHP, 9HP, 9.9HP (86'-88')	B7HS-10	
	15HP Sea Pro (96')	BPSHS-10	
	25HP, 30HP, 40HP Sea Pro	BP8H-N-10	
	25HP XD, 35HP, 40HP Sea Pro (83'-90')	BUHW	
	<b>4 STROKE</b>		
	4HP, 5HP, 6HP	DCPR6EA	
	9.9HP, 15HP, 25HP, 30HP, 40HP, 50HP, 60HP	DPR6EA-9	
	75HP, 90HP, 115HP (EFI)	LF5A-11	
	115HP, 135HP, 150HP, 200HP, 225HP (Opti Max)	PZFR5F-11	
200HP, 225HP, 250HP, 275HP (Verado)	ILFR6G		
<b>2 STROKE</b>			
MARINE	2HP (2A,2B), 6HP (6B)	B5HS	
	2.5HP, 3.3HP	BP6HS-10	
	3.5HP, 4HP, 5HP (5B, 5C), BHP (Marathon 8), SA	B7HS	
	9.9HP (9C-882), 15HP (15A/15C), 20HP (20C), 25HP (694), 30HP (A,W)	B7HS	
	4HP, 5HP (99')	BP7HS-10	
	20HP, 40HP, 60HP, 70HP, 90HP, 140HP, 150HP, 175HP, 200HP	BUHW	
	<b>4 STROKE</b>		
	4HP, 5HP, 6HP	DCPR6E	
	9.9HP, 15HP, 25HP, 30HP, 40HP, 45HP, 50HP	DCPR6E-9	
	90HP, 115HP, 135HP, 150HP, 200HP, 225HP (Opti Max)	PZFR5F-11	
<b>2 STROKE</b>			
SUZUKI	DT2, DT2.2, DT4	B5HS	
	DT5, 5W, DT6, DT9.9K, 15K	B6HS-10	
	DT5Y, DT9.9, DT15, DT20, DT25, DT30	B7HS-10	
	DT40, DT48, DT50,DT55, DT60, DT65, DT75, DT85, DT90,DT100, DT115	BSHS-10	
	DT100, DT115, DT140, DT150, DT175, DT200, DT225	BSHS-10	
	<b>4 STROKE</b>		
	DF9.9, DF15, DF25, DF30, DF40, DF50	DCPR6E	
	DF60, DF70	BP6ES	

BRAND	MODEL	NGK
SUZUKI	<b>4 STROKE</b>	
	DF90, DF115	BKR6E
TANAKA	TOB-120, 175, 300	BMR6A
	TOB-550	BPR7HS
	M2.5A, M3.5A, M3.5B	BP6HS-10
TOHATSU	M4C, 5B, M6B, M8B, M9.8B	BP7HS-10
	M9.8B/2, M15B2, M18C, M25C, M30A, M35B, M35C, M40D	B7HS-10
	M45A, M50C/D, M55A/B, M60A/B/C, M70A/B/C, M80A, M90A, M120A, M140A	B8HS-10
	<b>4 STROKE</b>	
	MFS 4A/5A/6A, MFS 9.9A/B	DCPR6E
YAMAHA	2B, 5D	B5HS
	2C, 4A, 4AC, 4AS, 4B, 4BC, 5C, 5CS, 20C, 25D, 40J	BR7HS
	6C, BC, 9.9F, 13.5NF, 15F, 20D, 25B, 25J25N, 25V, 30D, 40G/T/X, 150F	BR7HS-10
	150L/J, L150A/F, 150G/T, L150J, D150N, V150T	BR7HS-10
	3AS, 3A, 6D, F6A/B, F8/C, FT8D, T8/E/P	BR6HS-10
	25X, 30G, 30H, 400, 40Y, 50G/H/T, 55A/B/D, 60F/T, 70A/B/T/C, 75A/B/C	B7HS-10
	80A, 85A, 90A/T, 100A, 115B/C/F/T, 150A, L150A, D150H, 155A, S175D, 175F	BR8HS-10
	175D, 200A, L200A, 200F, L200F, S200F, SL200F, 200J, 225D, 250A/C, L250A	BR8HS-10
	130B, L130B, 140B/C, L140C, 225C/G/F, L225C, L225F, 250A/B, L250A/B	BR9HS-10
	250G, L250G (06')	BR8HS-10
	Z150P, L150P, Z150Q (01')	BKR6ES-11
	Z150P, LZ150P, Z150Q (02')	BKR6EKU
	Z150T, LZ150T, V150T (06')	BKR6EKU
	Z175G, Z175H, Z200N, LZ200N, Z200P (01')	BKR7ES-11
	Z175G, Z175H (02'), LZ250D/F, Z250D (03')	BKR7EKU
Z175T, VZ175T, VZ200T, Z240B, Z250D/F/T, LZ250D/T, V250T, Z300A/B/T (06')	BKR6EKU	
Z200P, Z225H (02'), Z250D/F, LZ250D (03'), VZ250T, Z250D/F/T, LZ300A(06')	BKR6EKU	
E8D, E9.9C/H, E15C, E25A/B, E40X (20')	B7HS-10	
E9.9D, E15D, E25H	B8HS-10 / BR8HS-10	
E40G, E40J, E40X (01'), E48	B7HS/ BR7HS	
E55C, E60, E60J, E65A, E75B, E115A	B8HS-10 / BR8HS-10	
<b>4 STROKE</b>		
F2A, F2.5A, F4A	B6HS/ BR6HS	
F6A, F6B, F8C, FT8D	BR6HS-10	
F9.9A/B, FT9.9A, (F8B)	BR6HS-10	
F9.9C, F9.9D, F9.9ER2, F9.9MH2, T9.9ER2/EH2, T9.9P, FT9.9D, F13.5A	DPR6EA-9	



BRAND	MODEL	NGK
	<b>4 STROKE</b>	
ENDURO MODEL	F15A/B/F/E/P, F20A, F25A/C, FT25B,T25T, E30A, F30E/T, F40A/B, F45A, F50A	DPR6EA-9
	F50B/D, FT50B/C	DPR6EA-9
	F40C, F40E/T, F60A, FT60B	DPR5EA-9
	F40D, F50F/T, FT50G, T505, F60C/T, FT60D	DPR6EB-9
	F9.9ER/EH, F9.9MH	CR6HSA
	F75A, F75B/T, F80A/B, F90A, F90B/T, F95A, F100A/B/C/D, F150T, LF150T	LFR5A-11
	F200A/B, FL200A/B, F200T, LF200T, F225NT, FL225A/T	LFR5A-11
	F115A/T, FL115A, LF115T, FL115A, F200C, FL200C, F250A/T, FL250A, LF250T	LFR6A-11
	GP760, GP1200, WB700, WR700	BR8HS
	GP800/R/X/A-B/A-C	BR8ES
WATER VEHICLE	GP1200R, GP1300E/B/C, XLT 1200	BR8ES-11
	WRA 700, WVT 700, WVTZ 760, WVT1100	BR8HS
	SUV 1200, XL 700	BR8HS
	GP 800, WB 800, XL 800	BR8HS
	XA1200A-E/A-C, XL 1200LXRT1200-Z	BR8ES-11
	SJ 700 SUPER JET(2001)	BR7HS

## How to correctly install spark plugs

Pay adequate attention while installing the spark plug. Especially, excessive or even inadequate tightening torque can damage to the spark plug or the engine. Therefore, follow the instructions given below.



### Select the correct plug wrench.

Depending on engine, the plug hole may be small, the plug wrench may not fit in the hexagonal part of the plug, and it may not be possible to tightly fasten the spark plug. Use a plug wrench that is suitable for the vehicle (engine).



### Install the spark plug with the correct tightening torque.

First screw in the spark plug by hand. Once the gasket contacts the cylinder head, then use a torque wrench to tighten the spark plug to the standard torque, shown in the plug with fingertips and when the gasket contacts the cylinder head, tighten the spark plug using a plug wrench, at a tightening angle (corresponding to the standard tightening torque shown in the table on the right) mentioned below.

**Attention** ▶ If a lubricant such as grease or a seizure-preventing agent is applied to the thread part; it may result in over-tightening of the spark plug even if is tightened as per the standard tightening torque. Do not use a lubricant and a seizure-preventing agent.

### Standard Tightening Torque

Diameter of Plug Thread	Tightening Torque
φ18mm	35~40N·m (3.5~4.0kgm)
φ14mm	25~30N·m (2.5~3.0kgm)
φ12mm	15~20N·m (1.5~2.0kgm)
φ10mm	10~12N·m (1.0~1.2kgm)
φ8mm	8~10N·m (0.8~1.0kgm)

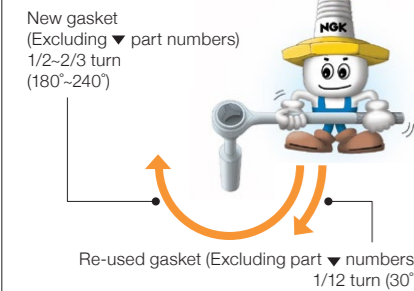
### Tapered Seat Type (Plug without gasket)

Tightening Torque
10~20N·m (1.0~2.0kgm)

## How to correctly install spark plugs ②

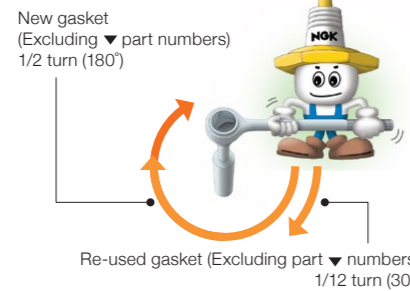
※ For ▼ part numbers, refer to the table "Tightening Angle" on the previous page.

### For plugs with gaskets wherein the thread diameter is φ 18 mm or φ 14 mm



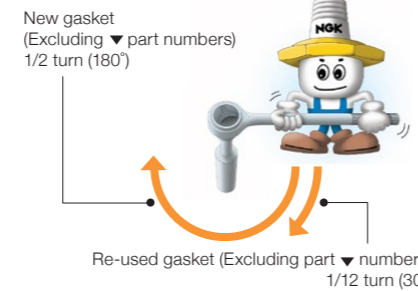
For the part ▼ numbers	
New gasket	Re-used gasket
1/3 turn (120°)	1/12 turn (30°)

### For plugs with gaskets wherein the thread diameter is φ 12 mm



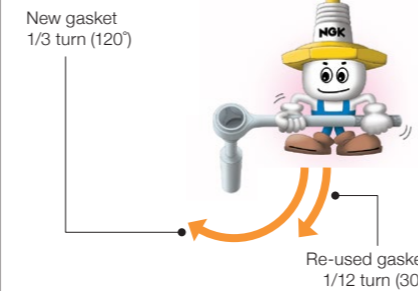
For the part ▼ numbers	
New gasket	Re-used gasket
1/3 turn (120°)	1/12 turn (30°)

### For plugs with gaskets wherein the thread diameter is φ 10 mm



For the part ▼ numbers	
New gasket	Re-used gasket
1/3 turn (120°)	1/12 turn (30°)

### For plugs with gaskets wherein the thread diameter is φ 8 mm



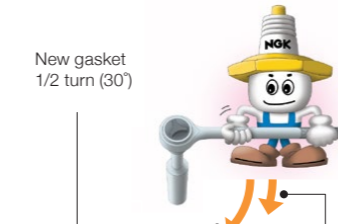
For the part ▼ numbers	
New gasket	Re-used gasket
1/3 turn (120°)	1/12 turn (30°)

### For a tapered seat-type spark plug without gasket



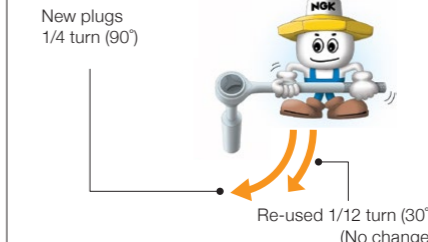
Both new and re-used gasket  
1/16 turn (22.5°)

### For a spark plug with copper gasket



Re-used gasket  
1/24 turn (15°)

### For Spark Plugs with gaskets wherein the thread diameter is φ 10mm (Long Thread Type)



Tightening torque  
10 ~ 12N·m (No change) (1.0 ~ 1.2 kgm)



### Tightening angle

Diameter of Plug Thread							New gasket	Used gasket
φ18mm/φ14mm (Excluding ▼ part numbers)							Approximately 1/2~2/3 turn (180°~240°)	Approximately 1/12 turn (30°)
▼ BCPREED	BKRE-9S	BKREKUC	HB0AIX-11P	IZFR0B	LZFR0AP11GS	R6469-0	Approximately 1/3 turn (120°)	Approximately 1/12 turn (30°)
BCPREEDIX	BKRE-EIX-PS	BKREKUD	HB0BIX-11P	IZFR0C	LZFR0AT-S	ZFR0K-11S		
BCPREKD	BKRE-EIX-11PS	BKREERX-PS	IFR0C-S	IZFR0K11NS	PFR0G-11S	ZFR0KIX-11PS		
BKRE-E8S	BKREKE	BKRE-TUA	IFR0G-11KS	IZFR0K-11S	PZFR0C		Approximately 1/2 turn (180°)	Approximately 1/12 turn (30°)
φ12mm (Excluding ▼ part numbers)							Approximately 1/2 turn (180°)	Approximately 1/12 turn (30°)
▼ DILKAR0G11GS	DILZKR0B11GS	ILZKAR0F8S	ILZKR0B11GS	R2556B-0	R2558E-0	SILZKR0C11S	Approximately 1/4 turn (90°)	Approximately 1/8 turn (45°)
DILZKAR0C11S	ILKAR0K11S	ILZKAR0H8S	ILZKR0B-11S	R2556G-0	SILKR0A-S		Approximately 1/2 turn (180°)	Approximately 1/12 turn (30°)
DILZKRA11GS	ILZKAR0E11S	ILZKR0B8S	LKAR0AP7JDS	R2558A-0	SILZKAR0F7S			
φ10mm (Excluding ▼ part numbers)							Approximately 1/2 turn (180°)	Approximately 1/12 turn (30°)
▼ 1 C0E	CR0EB	CR0EK	LMAR0A-9	LMAR0CI-8	MROCI-8	SILMFR0A8G	Approximately 1/4 turn (90°)	Approximately 1/12 turn (30°)
CPR0E	CR0EIA-9	CR0EKB	LMAR0AI-8	LMAR0D-J	MROE-9	SIMR0A9		
CPR0EA-9	CR0EIA-10	CR0EKC	LMAR0AI-10	LMAR0E-J	MROF			
CPR0EAIX-9	CR0EIB-9	CR0EKPA	LMAR0AP8J	LMAR0G	PMR0A			
CPR0EB-9	CR0EIB-10	DIMR0A10	LMAR0BI-9	MAR0A-J	PMR0B			
CR0E	CR0EIX	ILMAR0A8	LMAR0C-9	MROC-9N	SILMAR0B9			
▼ 2 CPR0EA-9S	IMR0C-9HES	LMAR0A-9S	MR0AP8HJS	R0465B-0	SPMR0A6HDG		Approximately 1/6 turn (60°)	Approximately 1/12 turn (30°)
CPR0EAIX-9S	IMR0D-9H	LMAR0AP8JS	R0409B-0	SILMAR0A9S			Approximately 1/3 turn (120°)	Approximately 1/12 turn (30°)
CR0EH-9S	IMR0E-9HES	MAR0B-JDS	R0451B-0	SILR0A7S				
φ8mm							Approximately 1/3 turn (120°)	Approximately 1/12 turn (30°)
Tapered Seat Type (Plug without gasket)							Approximately 1/16 turn (22.5°)	Approximately 1/16 turn (22.5°)
Copper Gasket Type							Approximately 1/12 turn (30°)	Approximately 1/24 turn (15°)

※ Heat rating is put in ○.





Blank lined area for notes or contact information.



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