

SPARK PLUGS

BOSH

河北勃硕汽车科技有限公司

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BOSH



汽车中高端火花塞专业制造商

MIDDLE AND HIGH END SPARK PLUGS FOR AUTOMOBILES PROFESSIONAL MANUFACTURER

BOSH

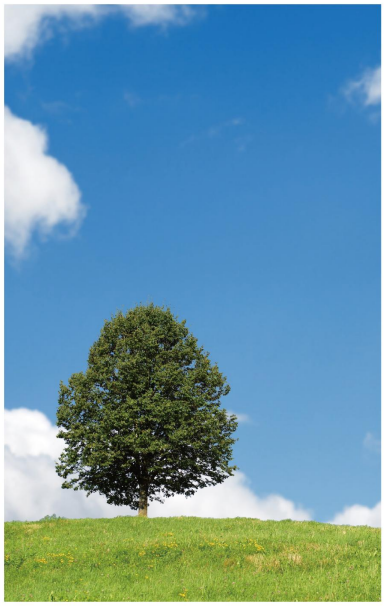
企业简介

COMPANY PROFILE

Hebei Boshuo Limited Company is awell-known spark plug manufacturer both domestically and abroad, established in 2014 year, specializing in producing spark plugs for various vehicles such as cars, off-road vehicles, motorcycles, and more.We provide complete solutions for our customers with high-quality products and exceptional services.

We have advanced production equipment and a professional technical team, which has earned us the trust of domestic and foreign distributors and end customers with our top-notch product quality, quick delivery times, and most favorable prices. Additionally, we can process OEM products to meet our customers' special requirements.

Hebei Boshuo always adheres to the customer-centered service philosophy and the integrity-based corporate culture, and is dedicated to providing our customers with the highest quality products and services. New and old customers are welcome to come and discuss cooperation and create a better future together.





河北勃硕有限公司是一家国内外知名的火花塞生产厂家，成立于2014年，专业生产多种汽车、越野车、摩托车等的火花塞。我们以高品质的产品和卓越的服务为客户提供完整的解决方案。

我们拥有先进的生产设备和专业的技术团队，以一流的产品质量、快捷的交货期和最优惠的价格赢得了国内外经销商和终端客户的信赖。同时，我们还可以根据客户的特殊需求加工OEM产品，以满足客户的各种需求。

河北勃硕始终坚持以客户为中心的服务理念，以诚信为基础的企业文化，竭诚为客户提供最优质的产品和服务。欢迎新老客户前来洽谈合作，共创美好未来。

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企业文化
COMPANY CULTURE



◆ **价值观** values

以诚为本，以信为用
乐观向上，永不言弃

◆ **公司愿景** Company Vision

打造行业品牌
树立行业形象

◆ **公司使命** Company mission

给客户最放心的产品
给员工最好的福利

火花塞的检测与更换
Detection and replacement

1. 请选择合适（或指定）的火花塞
Please select the appropriate (or specified) spark plug

- 请依照汽车厂家指定或我司推荐的热值来选择火花塞。如果使用热值不适合的火花塞，不仅会对火花塞造成损伤，还可能损坏发动机，请特别注意。
  Please select the spark plug according to the calorific value specified by the car manufacturer orrecommended by our company. If you use a spark plug with an unsuitable calorific value, it will not onlycause damage to the spark plug, but also damage the engine.Please pay special attention.
- 如果在指定使用带电阻火花塞车辆上安装了不带电阻的火花塞，可能会引起发动机故障，请务必根据要求使用带电阻火花塞。
  If a spark plug without resistance is installed on a vehicle designated to use spark plugs with resistance, it may cause engine failure.Please use spark plugs with resistance as required.
- 关于改装车，由于发动机动力增加，燃烧室内的温度会升高，火花塞的放热性需求增加，需要选择合适的高热值（冷型）火花塞。
  Regarding modified cars, due to the increase of engine power, the temperature in the combustion chamber will rise, and the demand for heat release of spark plugs will increase, so it is necessary to choose a suitablehigh calorific value (cold type) spark plug.

2. 拆卸火花塞
Remove the spark plug

- 为了避免灰尘、垃圾等掉入燃烧室，更换火花塞前请将火花塞周围清扫干净后再拆卸火花塞。
  In order to prevent dust, garbage , etc. from falling into the combustion chamber, please clean the surrounding area of the sparkplug before replacing the spark plug before disassembling the spark plug.

3. 请勿调整火花塞间隙
Do not adjust the spark plug clearance



火花塞的中心电极是高精度加工的产物，特别是铂金火花塞和钛金火花塞等的中心电极由纤细的贵金属构成，请勿调整火花塞间隙，以免造成电极损伤。

The center electrode of the spark plug is a product of high-precision machining,especially the center electrode of platinum spark plugs and titanium spark plugsare composed of slender precious metals. Please do not adjust the spark pluggap to avoid electrode damage.



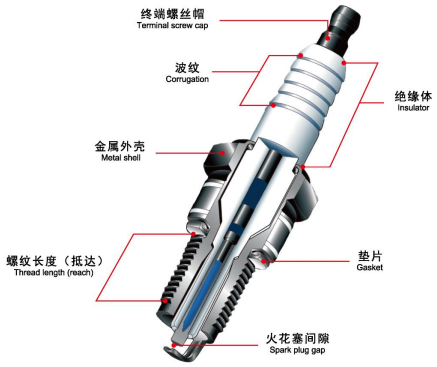
4. 推荐检测、更换火花塞的行驶里程
Recommended to detect and replace the mileage of spark plugs

TT	针式火花塞 Needle spark plugs	• 铂金接地电极0.7mm Platinum grounding electrode 0.7mm • 铱金中心电极0.4mm Iridium central electrode 0.4mm		替换：100000公里 Replace:100000 Km
I	铱金火花塞 iridium spark plug	• 铱金中心电极0.4mm Iridium central electrode 0.4mm • 带锥形缺口U型槽的接地电极 Ground electrode with taper notched U slot		替换：40000-60000公里 Replace:40000-60000 Km
P	铂金火花塞 Platinum spark plug	• 铂金中心电极0.4mm Platinum center electrode 0.4mm • 带锥形缺口U型槽的接地电极 Ground electrode with taper notched U slot		替换：40000-60000公里 Replace:40000-60000 Km
V	铱金、铂金 iridium, platinum	• 铂金中心电极0.4mm Platinum center electrode 0.4mm • 铂金贴片接地电极 Platinum patch grounding electrode		替换：80000-100000公里 Replace:80000-100000 Km
B	多极火花塞 Multipole spark plug	• 铂金接地电极0.7mm Platinum grounding electrode 0.7mm • 铱金中心电极0.4mm Iridium central electrode 0.4mm		替换：80000-100000公里 Replace:80000-100000 Km

1）根据火花塞材质和类型不同，推荐更换的行驶里程会有所不同。同时，根据汽车行驶路况、汽油品质、驾驶习惯等情况不同火花塞的使用寿命也会有所不同。在发动机运行工作异常之前，推荐您定期检测、更换火花塞。
The recommended mileage will vary according to the spark plugmaterial and type.At the same time, according to the vehicledriving conditions, gasoline quality, driving habits and othercircumstances of different spark plug life will be different. It isrecommended that you periodically check and replace the sparkplugs before the engine runs abnormally.

2）火花塞具有各种各样的形状。请按使用目的根据商品目录及适用表的说明，选择最为合适的火花塞。
Spark plugs come in a variety of shapes.Please select the mostsuitable spark plug according to the purpose of use according to theinstructions in the catalogue and application table.

火花塞的构造
The structure of the spark plug



波纹 Corrugation

提供五个肋骨以延长绝缘面间距离端子和金属外壳，防止闪络。

Five ribs are provided to extend the insulating surface distance between the terminal and the metal shell, preventing flash-over.

金属外壳 Metal shell

电镀提供优越抵抗高温腐蚀。，防止闪络。

Plated to provide superior resistance to high-temperature corrosion.

绝缘体 Insulator

用于高铝合金陶瓷，有可靠的防漏性，耐久性和耐热性抵抗性。

Used by high aluminum alloy ceramic, have reliable leakproofness, durableness and heat resistance.

垫片 Gasket

特殊设计可防止任何燃烧气体泄漏。

The special design prevents any leakage of combustion gases.

火花塞的特点
Features of spark plugs

1. 超“广范围”火花塞
Super "wide range" spark plug

- 为使中心电极上大量的热尽快散发，而在中轴嵌入了铜芯，实现了耐燃烧耐积碳的“超范围”的火花塞。
  In order to dissipate a large amount of heat on the center electrode as soon as possible, a copper core is embedded in the centershaft to realize an "extra-range" spark plug that is resistant to combustion and carbon deposition.

2. 使用新型陶瓷的高氧化铝陶瓷为绝缘体
Use new ceramic high alumina ceramics as insulators

- 在高温下具有优良的绝缘性，五段沟设计增强绝缘性，能防止飞弧。
  It has excellent insulation at high temperatures, and the five-segment groove design enhances insulation and can prevent arcing.
- 具有优秀的导热性，能防止过度燃烧。
  It has excellent thermal conductivity and can prevent excessive combustion.
- 具有很强的抗热冲击（急热，急冷）性能，同时具有很高的机械强度。
  It has strong resistance to thermal shock (hot and cold) and high mechanical strength.

3. 带电阻的火花塞可以抑制电波杂音干扰
The spark plug with resistance can suppress the interference of electric wave noise

- 带有陶瓷电阻体的效果。
  Effect with ceramic resistor.
- 可以去除混入汽车收音机，移动式通讯设备和汽车电话的电波杂音。
  It can remove the noise of radio waves mixed into car radios, mobile communication devices and car phones.



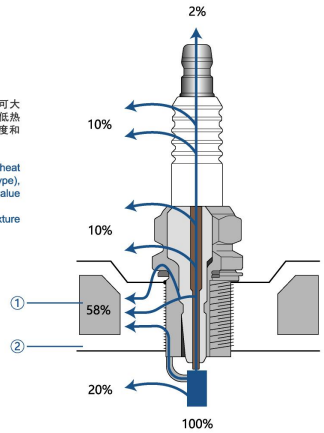
火花塞热值
Spark plug calorific value

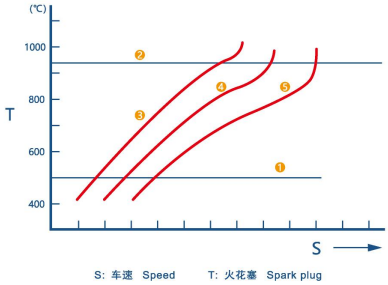
火花塞将自身所受热量的散发量称为【热值】，将可大量散热称为高热值（冷型）、相对散热量较小的称为低热值（燃烧型），然而热值的高低，取决于缸内混合气温度和火花塞的设计。

Spark plug itself suffered emission of heat is called 【heat value】 will be a lot of heat is called heat value (cold type), Relatively small amount of heat as low calorificvalue (combustion type), however, the high and low calorific value, depends on the cylinder mixture temperatureDegree and spark plug design.

①：水 Water

②：通过吸入混合气被冷却
Mixture is cooled by inhalation





S：车速 Speed　　T：火花塞 Spark plug

❶ 自行清除温度 Self-clean temperature

❷ 过早点火温度 Premature ignition temperature

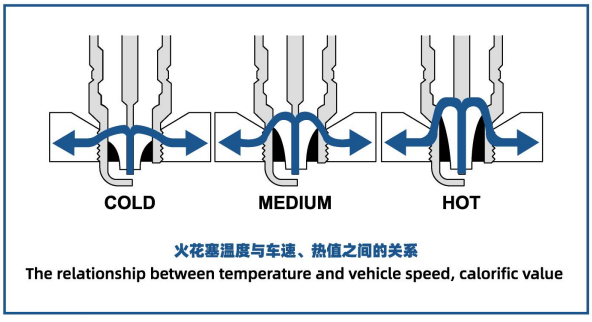
❸ 低热值（燃烧型）Low calorific value (combustion type)

❹ 标准火花塞 Standard spark plug

❺ 高热值（冷型）Heat value

低热值和高热值
Low calorific value and calorific value

- 低热值火花塞绝缘体顶部较长，被火焰覆盖的表面积和气窝的容积大。另外由于从绝缘体根部到外壳散热途径较长，所以散热少容易造成中心电极温度的上升。
  The top of the low calorific value spark plug insulator is longer, the surface area covered by the flame and the volume of thegas pocket are large. In addition, since the heat dissipation path from the root of the insulator to the shell is long, the heatdissipation is small, which easily causes the temperature of the center electrode to rise.
- 针对这些，高热值火花塞的绝缘体顶部相对较短，被火焰覆盖的表面积和气窝的容积小。另外由于散热途径短、散热多，不易造成中心电极温度的上升。
  For these, the high heat value of the top of the spark plug insulator is relatively short, small volume covered by the flamesurface area and gas nest. In addition, due to the short thermal path, heat and more difficult to cause the rise of the centerelectrode temperature.



火花塞温度与车速、热值之间的关系
The relationship between temperature and vehicle speed, calorific value

在火花塞的上下限温度，受下限温度的自行清除温度和上限温度的过早点火温度所制约。只有当中心电极温度处在约500-900℃之间时，才能完全发挥机能。

The upper and lower limit temperature of the spark plug is restricted by the self-clearing temperature of the lower limittemperature and the premature ignition temperature of the upper limit temperature.only when the temperature of thecenter electrode is between about 500-900℃, can it fully function.

火花塞的种类
Types of spark plugs

一般火花塞 General spark plug



V形槽火花塞 V-groove spark plug



长寿命性火花塞 Long life spark plug



中心电极使用铂合金。此外，接地电极的放电部分使用铂合金。这是高性能和长寿命的插头。

Platinum alloy is used in the center electrode.Moreover, platinum alloy is used in discharge part of the ground electrode.This is the high performance and long life plug.



中心电极使用铱合金。此外，接地电极的放电部分使用铂合金。这是高性能和长寿命的插头。

Ridium alloy is used in the center electrode.Moreover, platinum alloy is used in discharge part of the ground electrode.This is the high performance and long life plug.

DFE火花塞 DFE plug (Double fine electrode)



中心电极尖端采用铱合金，接地电极焊接细丝铂合金。这种设计实现了高性能和长寿命。

The center electrode tip is made of iridium alloy, and the ground electrode is welded with thin wire platinum alloy. This design achieves high performance and long life.

SPE火花塞 SPE Spark Plug



采用小直径中心电极和接地电极的锥形切割设计，火花集中在尖端，抑制了熄火效果。为进一步确保耐用性，将薄方形铂合金焊接到接地电极上。

With a small diameter center electrode and the taper-cut design of the ground electrode,the sparks are concentrated on the tip and the flame quenching effect is suppressed.To futher ensure durabillity, thin square platinum alloy is welded to the ground electrode.

多电极插头 Multi-ground electrode plug







火花塞适用表
Applicable table of spark plug

型号 Model		适用车型 Applicable models		适用发动机型号 Applicable engine model	
NGK火花塞 NGK spark plug	编号 Serial number	日系 Japanese	韩系 Korean	日系 Japanese	韩系 Korean
BKR6E-11	2756	丰田 TOYOTA		L15A7	
		丰田 TOYOTA		TWIN-TEC	
		丰田 TOYOTA		DOHC	
		本田 HONDA		1.3LI-DSI	
		铃木 SUZUKI		G13B	
		铃木 SUZUKI		MA16A	
		铃木 SUZUKI		M16A	
		三菱 MITSUBISHI		6G72	
		斯巴鲁 SUBARU		EJ20	
IFR5T11	4996	丰田 TOYOTA		1AZ-FE	
		铃木 SUZUKI		M13A	
BKR5EGP	7090	丰田 TOYOTA	起亚 KIA	2AZ-FE	G4GC
		丰田 TOYOTA	起亚 KIA	1FZ-FE	G4ED
		丰田 TOYOTA	起亚 KIA	8AFE	G6CU
		铃木 SUZUKI	起亚 KIA	M13A	G6DA
		马自达 MAZDA	起亚 KIA	ZJ-VE	G4HG
		马自达 MAZDA	现代 HYUNDAI	ZY-VE	G4EE
		马自达 MAZDA	现代 HYUNDAI	Z6V/ZJ	G4ED
		三菱 MITSUBISHI	现代 HYUNDAI	4B12/4G64S4M	G6D8
		斯巴鲁 SUBARU	现代 HYUNDAI	EJ25	G4BB
			现代 HYUNDAI		G6BA
SILKR6C10E			起亚 KIA 现代 HYUNDAI		G4LC
LKR6D-10E			起亚 KIA 现代 HYUNDAI		G5LC
LZKR6AGP	94017		起亚 KIA 现代 HYUNDAI		G4FC
SILZKR6B10E	93815		现代 HYUNDAI		G4FA
DILZKAR7D11S		本田 HONDA		LFB12	
		讴歌 ACURA		L15B9	
BPR5E	7075	铃木 SUZUKI		JL368Q3	
BKR6E	6962	铃木 SUZUKI		G13B	
		三菱 MITSUBISHI		6G72	
DCPR7E	4415	铃木 SUZUKI		K10A/K12A/K14A	
DCPR7EGP	1682	丰田 TOYOTA		2SZ-FE	
		铃木 SUZUKI		K10A/K12A/K14A	
DCPR7EIX	3144/6046	铃木 SUZUKI		DA498Q/L12A	
DILZKAR7D11S	95997	本田 HONDA		LFB12	

型号 Model		适用车型 Applicable models		适用发动机型号 Applicable engine model	
NGK火花塞 NGK spark plug	编号 Serial number	日系 Japanese	韩系 Korean	日系 Japanese	韩系 Korean
PFR5N-11	5838	尼桑 NISSAN	起亚 KIA	KAR4	G4ED/G4GC
			现代 HYUNDAI		DOHC/G6BA/G4ED
BCPR6EP-11	3350	丰田 TOYOTA		3VZ-FE	
BKR6EP-11	2978	丰田 TOYOTA		5S-FE	
BKR6EYA-11	4073	丰田 TOYOTA		3S-FE	
IFR6T11	4589	丰田 TOYOTA		1AZ-FE	
		丰田 TOYOTA		3UZ-FE	
		丰田 TOYOTA		2JZ-CE	
BPR5EY	2828	丰田 TOYOTA		4Y	
		尼桑 NISSAN			
		丰田 TOYOTA		3Y	
		丰田 TOYOTA		5M	
BCPR6EVX-11	3753	丰田 TOYOTA		SVZ-FE	
BPR5EVX	4875	丰田 TOYOTA		4Y	
		丰田 TOYOTA		3Y	
		尼桑 NISSAN		218S/Z18E	
		尼桑 NISSAN		TB42E	
BKR5EVX-11	5182	尼桑 NISSAN		VQ20DE/VQ30DE	
BCPR6EIX-11	3667	丰田 TOYOTA		SVZ-FE	
		尼桑 NISSAN		VG30S	
BKR6EIX-11	4272/3764	丰田 TOYOTA		5S-FE	
		丰田 TOYOTA		SS-FE	
		丰田 TOYOTA		1AZ-FE	
		丰田 TOYOTA		1UZ-FE	
				6G72	
				6G75	
				4G94	
				4G64S4M	
BPR5EIX	2414	丰田 TOYOTA		4Y	
		丰田 TOYOTA		3Y	
		丰田 TOYOTA		5M	
IZFR6K13	6774	本田 HONDA		K20A7	
		本田 HONDA		L15A1	
ILKAR7B11	4912	丰田 TOYOTA		2ZR-FE	
		丰田 TOYOTA		3ZR-FE	
		丰田 TOYOTA		1ZR	
LKAR7BGP	94297	马自达 MAZDA		PE	
ILKAR7L11	94124	马自达 MAZDA		P5	
BKR5EIX-11	5464/3184	丰田 TOYOTA	起亚 KIA	2NZ	G4HG
		马自达 MAZDA	起亚 KIA	Z6V/ZJ-VE	G6CU
		丰田 TOYOTA	起亚 KIA 现代 HYUNDAI	1AZFE	G4ED
		丰田 TOYOTA	起亚 KIA	2AZ-FE/1AZ-FE	G6D8
		三菱 MITSUBISHI	起亚 KIA	DA4G18	G4BB

型号 Model		适用车型 Applicable models		适用发动机型号 Applicable engine model	
NGK火花塞 NGK spark plug	编号 Serial number	日系 Japanese	韩系 Korean	日系 Japanese	韩系 Korean
BKR5E-11	6953		现代 HYUNDAI	4G64S4M	G4EE
ZFR6K-11	6711	本田 HONDA		J30A4	
		本田 HONDA		I-VTEC	
		本田 HONDA		K20Z2	
BKR6EGP	7092	本田 HONDA		L13A3	
		丰田 TOYOTA		2az-fe	
		丰田 TOYOTA		3UZ-FE	
		丰田 TOYOTA		1AZFE/2UZFE	
		铃木 SUZUKI		M16A	
		铃木 SUZUKI		G13B	
		铃木 SUZUKI		JL474Q1	
		铃木 SUZUKI		M18A	
		三菱 MITSUBISHI		4B11	
		三菱 MITSUBISHI		6G75	
		三菱 MITSUBISHI		4G63S4M	
		三菱 MITSUBISHI		6G72	
		斯巴鲁 SUBARU		EJ20	
LFR5AGP	5018	丰田 TOYOTA	起亚 KIA 现代 HYUNDAI	5AR-FE	G4KE
		丰田 TOYOTA	起亚 KIA 现代 HYUNDAI	2AR-FE	G4KS
		丰田 TOYOTA	起亚 KIA 现代 HYUNDAI	1AR-FE	G6KA
			现代 HYUNDAI	CAS16	GAKD
ZFR5F-11	2262	本田 HONDA		J30A4	
		本田 HONDA		K24Z2	
		本田 HONDA		VTEC	
IZFR6K11	6994	本田 HONDA		1-VTEC	
LZKR6B-10E	1578		起亚 KIA 现代 HYUNDAI		G4FC/G4FD
BPR5E-11	5638	铃木 SUZUKI		DA465Q-2	
BPR5EGP	7080	铃木 SUZUKI		JL368Q3	
		铃木 SUZUKI		DA465Q-2	
		尼桑 NISSAN		218s/Z18E	
		尼桑 NISSAN		TB42E	
BKR5EIX-11	3184	丰田 TOYOTA	起亚 KIA 现代 HYUNDAI	2JZ-GE	G4ED
		丰田 TOYOTA	起亚 KIA 现代 HYUNDAI	8AFE	G4GC
		三菱 MITSUBISHI	起亚 KIA 现代 HYUNDAI	DA4G18	G4EE
BCP6ES-11	7210	尼桑 NISSAN			
BKR5EY	7390	尼桑 NISSAN			
PLFR5A-11	6240	尼桑 NISSAN			

型号 Model		适用车型 Applicable models		适用发动机型号 Applicable engine model	
NGK火花塞 NGK spark plug	编号 Serial number	日系 Japanese	韩系 Korean	日系 Japanese	韩系 Korean
BKR5EVX	2546	尼桑 NISSAN		SR20DE	
BKR5EIX-11	3184	尼桑 NISSAN		VQ20DE	
BKR5EIX	1159	尼桑 NISSAN		SR20DE	
		尼桑 NISSAN		VG30E	
LFR5AIX-11	6708	尼桑 NISSAN		VQ35DE	
LKR7BGP-S	97390	本田 HONDA	起亚 KIA 现代 HYUNDAI	R20A7/R18ZA	G4NA
			起亚 KIA		G4NG
			起亚 KIA 现代 HYUNDAI		G4NC
			现代 HYUNDAI		G6DA
			现代 HYUNDAI		G6DG
LFR5A-11	6376	铃木 SUZUKI	起亚 KIA 现代 HYUNDAI	CAS16	G4KE
				VG23DE	
ILZKR7B-11S	5787	本田 HONDA	现代 HYUNDAI	K24Z8/K24Z5/K24Z2	
		本田 HONDA		J35Z2	
		本田 HONDA		K24Y3/K24Y5	
		讴歌 ACURA		J37A1	
		讴歌 ACURA		J37A2	
ILFR6B	6481	斯巴鲁 SUBARU		EJ204	
	4718	斯巴鲁 SUBARU		EJ204D	
LKR6D-10E	96569		起亚 KIA 现代 HYUNDAI		G4LC
BK6E	5498	丰田 TOYOTA			
LZKAR6AP-11	6643	尼桑 NISSAN		MR20DE	
PLZKAR6A-11	5118	雷诺 Renault S.A.		MARM735	
FK16BR-AL8	90919-01284	丰田 TOYOTA			

型号 Model		适用车型 Applicable models		适用发动机型号 Applicable engine model	
DENSO火花塞 DENSO spark plug	编号 Serial number	日系 Japanese	韩系 Korean	日系 Japanese	韩系 Korean
IK16	5304	尼桑 NISSAN	现代 HYUNDAI	GAQG13DE	G6D8/G6EA/VQ30DE
SK16PR-L11	3395		现代 HYUNDAI	VG30E	G6CU/G6DA
K16PR-U11	3310		现代 HYUNDAI		G6BA/G6G8
			现代 HYUNDAI		G4ED/G4GC
			现代 HYUNDAI		DOHC
IKH16	5343	尼桑 NISSAN	现代 HYUNDAI	VQ35DE	G4KE
K16HPR-U11	6076	尼桑 NISSAN	现代 HYUNDAI	QR20DE	VQ35DE
IKH20	5344	尼桑 NISSAN	现代 HYUNDAI	SR20VET	EJ204
		丰田 TOYOTA			
K16R-U	3119	丰田 TOYOTA		3RZ-FE	
IW16	5305	三菱 MITSUBISHI		6G72	
		尼桑 NISSAN		T842E	
		尼桑 NISSAN		VG30E	

型号 Model		适用车型 Applicable models		适用发动机型号 Applicable engine model	
DENSO火花塞 DENSO spark plug	编号 Serial number	日系 Japanese	韩系 Korean	日系 Japanese	韩系 Korean
IW16	5305	尼桑 NISSAN		VQ30DE	
		丰田 TOYOTA			
		丰田 TOYOTA			
IK20L	5358	本田 HONDA		L13A	
				13LI-DSI	
IK20L	5358			K20A	
IK16L	5357	本田 HONDA		J30A	
PQ20R	3117	丰田 TOYOTA		3VZ-FE	
IK20	5305	尼桑 NISSAN		VH45DE	
SK20HR11	3421 （90919-01191）	丰田 TOYOTA		1/2AZ-FE	
		丰田 TOYOTA		1GFE	
K20HR-U11	3381	丰田 TOYOTA			
SK20R11	3297 （90919-01210）	丰田 TOYOTA		2ZZ-GE	
		丰田 TOYOTA		1AZFE	
PK20TR11	3253	丰田 TOYOTA		2JZ-GE	
FK20HR11	3426	丰田 TOYOTA		3GR-FE	
				3UZFE	
PK16R11	3134	丰田 TOYOTA		2TZ-FE	
K16U11	90919-YZZAE	丰田 TOYOTA		RAV4	
SC20HR11	90919-01253	丰田 TOYOTA			
SK20BR11	90919-01230	丰田 TOYOTA			
Q20-U11	90919-YZZAC	丰田 TOYOTA			
SC16HR11	90919-01275	丰田 TOYOTA			
K16TR-11	90919-01192	丰田 TOYOTA			
K20PR-U11	3121		现代 HYUNDAI		
VK20	5604	丰田 TOYOTA			
PK16TT	4503	丰田 TOYOTA	现代 HYUNDAI		
IKH16TT		丰田 TOYOTA	现代 HYUNDAI		
IK20TT	4702	丰田 TOYOTA			
IKH20TT	4704				
IXEH20TT	4711	丰田 TOYOTA			
K16TR11	3194	丰田 TOYOTA			
VKA20	5623	丰田 TOYOTA			

型号 Model		适用车型 Applicable models		适用发动机型号 Applicable engine model	
BOSCH火花塞 BOSCH spark plug	编号 Serial number	日系 Japanese	韩系 Korean	日系 Japanese	韩系 Korean
FR7DC		铃木 SUZUKI	现代 HYUNDAI	JL474Q1	DOHC
W8DC		铃木 SUZUKI		J368Q3	
FLR8DC +9			现代 HYUNDAI		
FR8DC+6			现代 HYUNDAI		
FR7KPP33+			现代 HYUNDAI		
FG7DQP+48			现代 HYUNDAI		
FR7DC+			现代 HYUNDAI		
FR8DPP33+			现代 HYUNDAI		