NGK SPARK PLUGS | NTK TECHNICAL CERAMICS

NGK SPARK PLUG CO., LTD.

http://www.ngk-sparkplugs.jp/english/

⚠ NOTICE

- Turn off your engine when replacing or adjusting the spark plugs. Otherwise it may result in fire or electrocution.
- The spark plugs in this catalogue are not designed for use in airplanes, light aircraft, or drones and cannot be used in these vehicles.
- The spark plugs in this catalogue are ignition devices for internal combustion engines and therefore designed for use in gasoline engines. They cannot be used to ignite gas burners.

VEGETABLE OIL INK

OP-0300-1906Ⓣ

’19～’20

NGK RACING SPARK PLUGS

RACING SPARK PLUGS

NGK SPARK PLUGS

RACING SPARK PLUGS CATALOGUE

MOTOR SPORTS
SUPPORTTEAM 2019

▸ F1

“In 1964 NGK Spark Plugs began to participate in Formula 1 for the first time. The following year they won first place. In 1998 high-performance machines achieved their 100th career win, and in 2007 not only did they win all 17 of the competitions in which they raced, but they also achieved their 200th career win. This amazing record was rewritten once again in 2013 when these machines achieved their 300th career win.
Without strong relationships between Ferrari and NGK Spark Plugs, the brilliant feat would not have been achieved. In 1996 NGK Spark Plugs started to team up with Ferrari, and the following year they had 4 wins. NGK Spark Plugs has continued to support Ferrari since 2001. In 2019 as well NGK Spark Plugs continues to develop its products as the official supplier of Scuderia Ferrari so that the company aims to be the number one spark plug manufacturer in the world. In order to strengthen these partnerships the NGK logo has been put on the vehicles.”

OFFICIAL SUPPLIER
SCUDERIA FERRARI

| Scuderia Ferrari

http://entame.ngk-sparkplugs.jp/motorsports/

MOTOR SPORTS

SUPPORTTEAM 2019

▸ MotoGP™

"For the last 30 years, NGK Spark Plugs has contributed to the winning of series titles in the highest classes of world road race championships. This history has cultivated absolute trust in NGK Spark Plugs, and Repsol Honda Team, the series champion for the last year, as well as Yamaha, Ducati and all work teams of Suzuki chose the NGK Spark Plugs in 2018"

- Mission Winnow Ducati team
- Monster Energy Yamaha MotoGP
- PETRONAS Yamaha Sepang Racing Team
- LCR Honda IDEMITSU
- LCR Honda CASTROL
- Team SUZUKI ECSTAR
- Repsol Honda Team

▸ SBK

"The Superbike Championship Series are the world's most demanding road races using factory production bikes. NGK spark plugs were used not only by KAWASAKI RACING TEAM WORLDSBK, 2018 year's champion, but also Ducati and Yamaha."

- KAWASAKI RACING TEAM WORLDSBK
- Moriwaki Althea Honda Racing
- ARUBA.IT RACING - DUCATI
- Pata Yamaha Team

▸ MXGP

"In 2018 NGK spark plugs will be used by Monster Energy Kawasaki Racing Team as they compete in MXGP, the most demanding category of motocross races that take place all over Europe and the rest of the world."

- Monster Energy Kawasaki Racing Team

http://entamenge-sparkplugs.jp/motorsports/

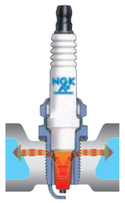
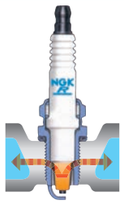
Choosing a Heat range

▶Heat range of spark plugs

The firing end of the spark plug is exposed in the combustion chamber, so it undergoes the cycle of heat receiving and heat dissipation repeatedly. “Heat rating” is measure of the balance of the amount of heat received and amount of heat dissipated. You need to choose heat rating at which the spark plug can be used normally by maintaining this balance.

▶Hot type and Cold type

We call spark plugs which firing end heats up quickly, “hot type”. On the other hand, we call spark plugs which firing end doesn’t heat up quickly, “cold type”. As for hot type, since the insulator nose is long and the heat receiving area of the insulator is large, it is heated to higher temperature easily. A Cold type is the opposite.

		Hot Type (Low heat rating)	Cold Type (High heat rating)
Flow of heat			
Length of insulator nose		Long	Short
Heat receiving area of the firing end		Large	Small
Spark plug temperature		Rises easily	Does not rise easily
Characteristics of spark plug	Merits	Does not easily lead to carbon fouling	Does not overheat easily
	Demerits	Overheats easily	Easily leads to carbon fouling

It is essential to use a spark plug with a heat rating that matches a specific engine and its condition of use.

If you use spark plugs with a wrong heat rating, following troubles may occur.

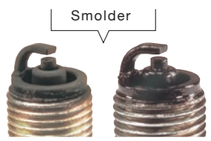
You are recommended to consult with a shop/garage where you are normally maintaining your car.

When the heat rating is too low,

The spark plug temperature rises too high and induces abnormal combustion (pre-ignition); this leads to melting of the spark plug electrode that could cause problems such as piston seizure.

When the heat rating is too high,

The spark plug temperature remains too low and causes carbons to build up on the firing end; the carbons provide an electrical leakage path that gives rise to a reduction of spark.

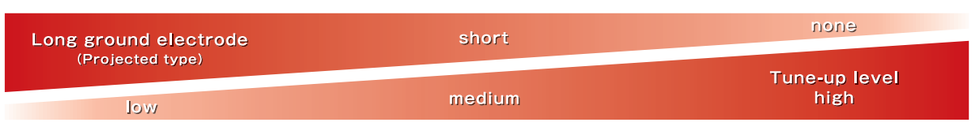


Choosing a firing end design

▶About firing end designs

You need to choose racing spark plugs with the appropriate firing end design according to the tune-up level of the engine and the running condition of the vehicle.
In general, spark plugs which firing end projects into the combustion engine have better ignitability. But the other hand, the longer projections are more susceptible to the wear and tear of extreme temperatures.
Since high-power and high-performance engines not only run hotter but also they vibrate more, we recommend choosing a firing end design that reduces exposure of the electrode and insulator as much as possible.

Projected type	Conventional type	Oblique electrode type	Flat type	Semi-surface discharge type
				



Spark Plug Maintenance

How to correctly install spark plugs

You must take great care when installing spark plugs. In particular, you have to watch the torque. If you use too much or too little torque when installing spark plugs you can cause damage to the spark plugs and the engine, so be sure you abide by the following.

▶Be sure to use the correct spark plug wrench.

Some engines have narrow spark plug holes thereby preventing the spark plugs from being tightened correctly with a plug wrench that does not perfectly fit the hexagonal portion of the plug. So, please use the appropriate spark plug wrench for your engine.

▶Be sure to tighten the spark plug to the correct torque.

Screw in the spark plug and then use a torque wrench to tighten the spark plug to the standard torque noted in the chart on the right. If you do not have access to a torque wrench screw in the plug with your fingertips and then tighten to the rotation angle noted below (corresponds to the tightening torque in the chart on the right) using a spark plug wrench once the spark plug comes in contact with the spark plug tube gasket mount.

Standard Torque

Plug thread size	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)

Conical seat type (without gasket)

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

⚠ CAUTION If any lubricants, such as grease, or seizure prevention agents are used on the threads there is a danger of over tightening the spark plug past the standard torque. Therefore, do not use lubricants or seizure prevention agents on these parts.

Tightening angles

Heat range number enters◌

Thread size	New gasket	Used gasket
ϕ18mm·ϕ14mm (except▼)	$\frac{1}{2}$~$\frac{2}{3}$ of a turn (180°~240°)	$\frac{1}{12}$ of a turn (30°)
▼ BCPR◌ED BKR◌EKUC PZFR◌C / BCPR◌EDIX BKR◌EKUD R6918C-◌ / BCPR◌EKD BKR◌ETUA / BKR◌EKE IZFR◌C	$\frac{1}{3}$ of a turn (120°)	$\frac{1}{12}$ of a turn (30°)
ϕ12mm (except▼)	$\frac{1}{2}$ of a turn (180°)	$\frac{1}{12}$ of a turn (30°)
▼ DILKAR◌G11DS DILKAR◌P8SY DILZKR◌A11DS DPR◌EA-9S ILZKAR◌H8S ILZKR◌B11GS LKAR◌AP7JDS LKR◌AHX-S LKR◌DIX-11S SILZKAR◌F7S SILZKR◌C11DS R2556G-◌ / DILKAR◌G11GS DILZKAR◌C11H DILZKR◌A11GS ILKAR◌K11S ILZKAR◌J8SY ILZKR◌B-11S LKAR◌ARX-PS LKR◌ARX-PS SILKAR◌C6DS SILZKAR◌H6S SILZKR◌C11S R2558E-◌ / DILKAR◌H11GS DILZKAR◌C11S DILZKR◌B10DS ILZKAR◌E11S ILZKER◌A4DS ILZKR◌B8S LKAR◌BGP-S LKR◌BGP-S SILKR◌A-S SILZKBR◌B8S SILZKR◌F11DS / DILKAR◌P8DY DILZKAR◌D11S DILZKR◌B11GS ILZKAR◌F8S ILZKER◌B4DS LKAR◌AHX-S LKAR◌BIX-11S LKR◌BHX-S SILKR◌B8DS SILZKGR◌A8S SILZKR◌F11S	$\frac{1}{4}$ of a turn (90°)	$\frac{1}{8}$ of a turn (45°)
ϕ10mm (except▼)	$\frac{1}{2}$ of a turn (180°)	$\frac{1}{12}$ of a turn (30°)
▼ C◌E CPR◌EAIX-9 CR◌EGP CR◌EIB-9 CR◌EKB DIMR◌A10 ILMAR◌B8 LMAR◌AI-10 LMAR◌AP8J LMAR◌DI-10 LMAR◌F-9 LZMAR◌AI-10 MR◌BI-8 MR◌E-9 MR◌K-9 SILMAR◌B9 SILMFR◌A8G / CPR◌E CPR◌EB-9 CR◌EIA-10 CR◌EIX CR◌EKC DIMR◌B10 ILMAR◌E9 LMAR◌AI-8 LMAR◌BI-9 LMAR◌D-J LMAR◌FI-10G MAR◌A-6J MR◌C-9N MR◌F PMR◌A SILMAR◌C9 SIMR◌A9 / CPR◌EA-9 CR◌E CR◌EIA-9 CR◌EK CR◌EKPA DIMR◌C10 ILMAR◌F8 LMAR◌AI-8E LMAR◌C-9 LMAR◌EI-7 LMAR◌G MAR◌A-J MR◌CI-8 MR◌G-9E PMR◌B SILMAR◌E9 ZMR◌A-10 / CPR◌EAGP-9 CR◌EB CR◌EIB-10 CR◌EKA CR◌EVX ILMAR◌A8 LMAR◌A-9 LMAR◌AIX-P LMAR◌CI-8 LMAR◌E-J LMAR◌J-9E MR◌AI9 MR◌D-9 MR◌J-9 PMR◌C-H SILMAR◌F9 ZMR◌AP	$\frac{1}{4}$ of a turn (90°)	$\frac{1}{12}$ of a turn (30°)
▼ CPR◌EA-9S CR◌EDX-9S ILMAR◌D8S LMAR◌A-9S LMAR◌K-9S MR◌B-9NS SILMAR◌D9DS SPMR◌A6HDG R0465B-◌ / CPR◌EAIX-9S CR◌EH-9S IMR◌C-9HES LMAR◌ADX-9S LMDR◌A-JS MR◌BP8HJS SILMFR◌B8GS R0409B-◌ / CPR◌EDX-9S DILMAR◌A11S IMR◌D-9H LMAR◌AP8JS MAR◌B-JDS SILMAR◌A9S SILR◌A7S R0451B-◌ / CR◌EDX-S ILMAR◌C9D IMR◌E-9HES LMAR◌H-9DS MR◌AP8HJS SILMAR◌C9S SIMR◌B9DS R0451C-◌	$\frac{1}{6}$ of a turn (60°)	$\frac{1}{12}$ of a turn (30°)
ϕ8mm (except▼)	$\frac{1}{3}$ of a turn (120°)	$\frac{1}{12}$ of a turn (30°)
Conical seat type (without gasket)	$\frac{1}{16}$ of a turn (22.5°)	$\frac{1}{16}$ of a turn (22.5°)
▼ Copper gasket type	$\frac{1}{12}$ of a turn (30°)	$\frac{1}{24}$ of a turn (15°)

ϕ14mm×19mm(Hex20.8mm)

R6918B-◌

Heat range	7	8	9
Spark plug type	B-E		
Terminal shape	▮		
Center electrode material	Platinum		
Ground electrode material	Nickel		

R7376-◌

Heat range	7	8	9	10
Spark plug type	B-E			
Terminal shape	▮			
Center electrode material	Iridium			
Ground electrode material	Platinum			

R6712-◌

Heat range	9	10
Spark plug type	B-E	
Terminal shape	🔩	
Center electrode material	Nickel	
Ground electrode material	—	

ϕ14mm×22mm(Hex16.0mm)

R7282A-◌※1

Heat range	10	105	11
Spark plug type	Short		
Terminal shape	▮		
Center electrode material	Iridium		
Ground electrode material	Platinum		

※1) It's necessary to use special plug caps(Please refer to page 8)
※2) The length from gasket to terminal of ISO/JIS type spark plugs is 50.5mm which is 2.5mm shorter than old JIS type spark plugs.
※3) Heat range number enters◌
※4) Racing spark plugs may be finished selling without notice.
NOTICE) ▮=Solid post terminal 🔩=Thread terminal with nut ▮=Thread terminal

ϕ14mm×19mm(Hex16.0mm)

Please be aware that some plugs cannot be replaced despite having the same thread size and length.

R7282-◌※1

Heat range	9	10	105	11
Spark plug type	Short			
Terminal shape	▮			
Center electrode material	Iridium			
Ground electrode material	Platinum			

R7433-◌

Heat range	8	9	10
Spark plug type	BK-E(ISO／JIS)※2		
Terminal shape	▮		
Center electrode material	Iridium		
Ground electrode material	Nickel		

R7434-◌

Heat range	8	9	10
Spark plug type	BK-E(ISO／JIS)※2		
Terminal shape	▮		
Center electrode material	Iridium		
Ground electrode material	Platinum		

R6601-◌

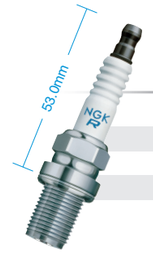
Heat range	8	9	10	11
Spark plug type	BK-E(ISO／JIS)※2			
Terminal shape	▮			
Center electrode material	Nickel			
Ground electrode material	—			

R7435-◌

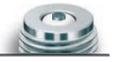
Heat range	8	9	10
Spark plug type	BCP-E(old JIS)		
Terminal shape	▮		
Center electrode material	Iridium		
Ground electrode material	Nickel		

R7436-◌

Heat range	8	9	10
Spark plug type	BC-E(old JIS)		
Terminal shape	▮		
Center electrode material	Iridium		
Ground electrode material	Platinum		



R6690-◌



Heat range	9	10	11
Spark plug type	BC-E(old JIS)		
Terminal shape	▮		
Center electrode material	Nickel		
Ground electrode material	—		

ϕ14mm×26.5mm(Hex16.0mm)

R7437-◌

Heat range	8	9	10

Spark plug type	LFR long reach
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Nickel

R7438-◌

Heat range	8	9	10

Spark plug type	LFR long reach
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Platinum

ϕ14mm×21.5mm(Hex20.8mm)

R6725-◌

Heat range	9	10	105	11	115

Spark plug type	Rotary Engine RX-7
Terminal shape	
Center electrode material	Platinum
Ground electrode material	Platinum

R7420-◌

Heat range	9	10	105	11

Spark plug type	Rotary Engine RX-7
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Platinum

ϕ14mm×21mm(Hex20.8mm)

R7440A-◌L

Heat range	9	10

Spark plug type	Rotary Engine RX-8 Lside
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Platinum

ϕ14mm×19mm(Hex20.8mm)

R7440B-◌T

Heat range	10	11

Spark plug type	Rotary Engine RX-8 Tside
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Platinum

ϕ12mm×26.5mm(Hex16.0mm)

R2556G-◌

Heat range	8	9	10

Spark plug type	LKR long reach
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Platinum

ϕ12mm×26.5mm(Hex14.0mm)

R2558E-◌

Heat range	8	9	10

Spark plug type	LKAR long reach
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Platinum

ϕ12mm×19mm(Hex16.0mm)

R2349-◌

Heat range	9	10	11

Spark plug type	DC-E
Terminal shape	
Center electrode material	Nickel
Ground electrode material	—

R2525-◌

Heat range	9	10

Spark plug type	DC-E
Terminal shape	
Center electrode material	Platinum
Ground electrode material	Nickel

ϕ10mm×26.5mm(Hex16.0mm)

R0452A-◌

Heat range	10

Spark plug type	LMR long reach
Terminal shape	
Center electrode material	Nickel
Ground electrode material	—

ϕ10mm×26.5mm(Hex14.0mm)

R0465B-◌

Heat range	10

Spark plug type	LMAR long reach
Terminal shape	
Center electrode material	Nickel
Ground electrode material	—

R0451B-◌

Heat range	8

Spark plug type	LMAR long reach
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Nickel

R0451C-◌

Heat range	10

Spark plug type	LMAR long reach
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Nickel

※1）Heat range number enters ◌
※2）Racing spark plugs may be finished selling without notice.
NOTICE) = Solid post terminal = Thread terminal with nut = Thread terminal

φ10mm×19mm(Hex16.0mm)

R0373A-◌

Heat range	8	9	10	11

Spark plug type	C-E
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Platinum

R0045Q-◌

Heat range	10	11

Spark plug type	C-E
Terminal shape	
Center electrode material	Nickel
Ground electrode material	—

φ10mm×19mm(Hex16.0mm) Harf thread

R0409B-◌

Heat range	8	9	10

Spark plug type	C-EH
Terminal shape	
Center electrode material	Iridium
Ground electrode material	Nickel

R0459A-◌

Heat range	10

Spark plug type	C-EH
Terminal shape	
Center electrode material	Nickel
Ground electrode material	—

φ8mm×19mm(Hex13.0mm) Harf thread

R847-◌

Heat range	10	11

Spark plug type	E-EH
Terminal shape	
Center electrode material	Nickel
Ground electrode material	—

※1) Heat range number enters◌
※2) Racing spark plugs may be finished selling without notice.

NOTICE) =Solid post terminal =Thread terminal with nut =Thread terminal

Discontinued plug types

Red color indicates non resistor plugs. Heat range number enters◌

Old part number	New part number
R0045G-◌,R0045J-◌	R0045Q-◌
R016-◌,R017-◌	R0373A-◌
R0161-◌	CR◌HIX
R216-◌,R217-◌	R2525-◌
R2270-◌,R2430-◌	R2349-◌
R2556B-◌	R2556G-◌
R2558A-◌	R2558E-◌
R4304A-◌	BPR◌EIX
R5530,R5525-◌	BR◌HIX
R5649-◌	R6712-◌
R6711-◌	R6601-◌
R5883-◌	R6690-◌
R4630A-◌,R6385-◌P	R7376-◌
R6120-◌	R7282-◌
R6120A-◌	R7282A-◌

Old part number	New part number
R6179A-◌	R7282-◌
R6255-◌,R6255F-◌,R6326-◌	R7433-◌
R6205-◌,R6241-◌	R7433-◌ or R7434-◌
R6206-◌,R6242-◌	R7434-◌
R5400-◌,R5400F-◌,R6337-◌	R7435-◌
R5686-◌	R7435-◌ or R7436-◌
R5830-◌,R5687-◌	R7436-◌
R7112-◌,R7113-◌	R7433-◌
R7114-◌,R7115-◌	R7433-◌ or R7434-◌
R7116-◌,R7117-◌	R7434-◌
R7118-◌,R7119-◌	R7434-◌
R7232-◌,R7233-◌	R7435-◌
R7234-◌,R7235-◌	R7435-◌ or R7436-◌
R7236-◌,R7237-◌	R7436-◌
R7238-◌,R7239-◌	R7436-◌

Racing spark plug caps

Heat range number enters◌

Plug cap number(color)	Plugs and cables	
 **TRS1225-B** (Blue) ※for HONDA RACE	**R7282-◌,R7282A-◌**	φ8mm Cable
 **TRS1233A-R** (Red) **TRS1233B-Y** (Yellow) **TRS1233C-G** (Green)	**R7282-◌,R7282A-◌**	φ7mm Cable

Motorcycles

Heat range number enters ◌

Displacement	Model	Spark plug Number	Racing spark plug	other applicable plug number
APRILIA				
1000	RSV4 Factory	CR9EB	R0373A-◌※	p7
125	RS4 125	CR9EB	R0373A-◌※	
BMW				
1000	S1000RR	LMAR9D-J	R0451C-◌※,R0465B-◌※	p6
DUCATI				
1199	1199 Panigale	MAR9A-J	-	-
HONDA				
1000	CBR1000RR ('08.7~)	IMR9E-9HES	R0409B-◌,R0459A-◌	p7
	CBR1000RR SP	IMR9E-9HES	R0409B-◌,R0459A-◌	
	CBR1000RR SP2	SILMAR10C9S	R0451C-◌,R0465B-◌	p6
600	CBR600RR ('09~)	IMR9E-9HES	R0409B-◌,R0459A-◌	p7
450	CRF450R ('08.10~)	SILMAR9A9S	R0451C-◌※	p6
	CRF450RX	SILMAR9A9S	R0451C-◌※	
250	CBR250R ('88.5~)	CR9EH-9	R0409B-◌	p7
	CBR250R ('11.3~)	SIMR8A9	R0373A-◌	p7
	CBR250RR ('91.1~)	CR9EH-9	R0409B-◌	p7
	CBR250RR ('17.5~)	SILMAR8C9	R0451C-◌	p6
	CRF250R ('04.8~'09.8)	R0409B-8	R0409B-◌	p7
	CRF250R ('09.8~)	R0451B-8	R0451B-◌	p6
	NSF250R	R0452A-◌,R0451C-◌		p6
	VTR	CR8EH-9	R0409B-◌	p7
150	CRF150R/R II	CR8EH-9	R0409B-◌	
125	CBR125R	CR8E	R0373A-◌	p7
	CRF125F	DPR8EA-9	-	-
100	CRF100F	CR7HSA	-	-
	NSF100	CR8HSA	-	-
85	CR85R	BR10EG	R7376-◌	p3
50	NSR mini	BR8ES	R7376-◌	
HUSQVARNA				
450	FC450	LKAR8AI-9	R2558E-◌	p5
350	FC350	LKAR8AI-9	R2558E-◌	
250	FC250	LKAR8AI-9	R2558E-◌	
	FE250	CR9EKB	R0373A-◌※	p7
	TE250/TC250	CR8EB	R0373A-◌※	
125	TC125	BR9EG	R7376-◌	p3
85	TC85	BR9ECMVX	-	-
KAWASAKI				
1000	Ninja ZX-10R ('04~'15)	CR9EIA-9	R0373A-◌,R0045Q-◌	p7
	Ninja ZX-10R ('16.10~)	SILMAR9B9	R0451C-◌,R0465B-◌	p6
600	ZX-6R	CR9E	R0373A-◌,R0045Q-◌	p7
450	KX450F	CPR8EB-9	R0373A-◌※	
250	KX250F ('11~)	CPR8EB-9	R0373A-◌※	
	KX250F ('05.9~'10)	CR8E	R0373A-◌	
	Ninja250 ('18.2~)	SILMAR9B9	R0451C-◌	p6
	Ninja250 ('13.2~18.2)	CR8E	R0373A-◌	p7
	Ninja250R	CR8E	R0373A-◌	
	Ninja250SL	MR8CI-8	R0373A-◌	
	Z250	CR8E	R0373A-◌	

Heat range number enters ◌

Displacement	Model	Spark plug Number	Racing spark plug	other applicable plug number
KAWASAKI				
85	KX85/ II	R6252K-105	R7376-◌	p3
65	KX65	BR10EG	R7376-◌	
KTM				
450	450SMR ('08~'12)	CR9EKB	R0373A-◌※	p7
	450SMR ('13~)	LKAR8AI-9	R2558E-◌	p5
	450SX-F	CR9EKB	R0373A-◌※	p7
390	RC390	LKAR8A-9	R2558E-◌	p5
350	350SX-F	LMAR9AI-8	R0451C-◌	p6
250	250DUKE ('18~)	LKAR8A-9	R2558E-◌	p5
	250EXC	BR7ES	R7376-◌	p3
	250EXC-F ('06~)	CR9EKB	R0373A-◌※	p7
	250EXC-F ('17~)	LMAR9AI-10	R0451C-◌	p6
	250SX-F ('06~'12)	CR9EKB	R0373A-◌※	p7
	250SX-F ('13~)	LMAR9AI-8	R0451C-◌	p6
	RC250/R	LKAR8A-9	R2558E-◌	p5
125	125SX ('08~)	BR9ECMVX	-	-
85	85SX ('07~)	BR9ECMVX	-	-
65	65SX ('03~'08)	BR8ECM	-	-
	65SX ('09~)	LR8B	-	-
50	50SX ('10~)	LR8B	-	-
SUZUKI				
1000	GSX-R1000 ('07~)	CR9EIA-9	R0373A-◌,R0045Q-◌	p7
600	GSX-R600 ('08~)	CR9EIA-9	R0373A-◌,R0045Q-◌	
450	RM-Z450 ('07.10~)	DIMR8A10	R0373A-◌※	
250	RM250 ('01.6~)	BR8EG	R7376-◌	p3
	RM-Z250 ('07~'12)	CR8EIA-10	R0373A-◌	p7
	RM-Z250 ('13~)	CR8EIB-10	R0373A-◌※	
125	RM125 ('96.8~)	R6918B-8	R6918B-◌	p3
85	RM85L	BR10ES	R7376-◌	
50	DR-Z50	CR7HS	-	-
TRIUMPH				
675	Daytona 675R	CR9EIA-9	R0373A-◌	p7
YAMAHA				
1000	YZF-R1 ('04~'08)	CR9EK	R0373A-◌,R0045Q-◌	p7
	YZF-R1 ('09~)	LMAR9E-J	R0451C-◌,R0465B-◌	p6
600	YZF-R6	CR10EK	R0373A-◌,R0045Q-◌	p7
450	YZ450F/FX	CR8E	R0373A-◌	
300	YZF-R3 ('18.3~)	LMAR8A-9	R0451C-◌	p6
	YZF-R3 ('15~'18)	CR8E	R0373A-◌	p7
250	YZ250	BR8EG	R7376-◌	p3
	YZF-R25 ('18~)	LMAR8A-9	R0451C-◌	p6
	YZF-R25 ('15~'17)	CR9E	R0373A-◌	p7
	YZ250F ('19~)	LMAR9E-J	R0451C-◌	p6
	YZ250F ('14~'18)	LMAR8G	R0451C-◌	
	YZ250F ('01~'13)	CR8E	R0373A-◌	p7
	YZ250FX	LMAR8G	R0451C-◌	p6
	WR250R/X	CR9EK	R0373A-◌	p7
125	YZ125 ('05.7~)	BR9EVX	R7376-◌	p3
85	YZ85/LW	BR10EG	R7376-◌	
50	TT-R50E	CR7HSA	-	-

※: You need terminal nut.