



BERU NEWSLETTER #6
CERAMIC GLOW PLUGS



BERU extends its Ceramic Glow Plug range

BERU Ceramic Glow Plugs for VW, Opel,
Renault-Nissan now also available in our range
for the aftermarket.

BERU is a trusted development partner to all leading automobile
manufacturers. Wherever the cars of the future are being created,
BERU is in demand as an expert in ignition technology.

BERU Ceramic Glow Plugs

Modern engine designers are looking for solutions that make heat energy available when the engine would otherwise generate higher emissions due to excess cooling.

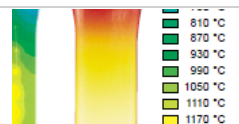
High requirements linked to refinement, low emissions and performance can result in poorer starting characteristics, something which the BERU ceramic glow plug can offer a solution for.

The forward looking BERU Ceramic Glow Plugs (CGP) fulfill these requirements – from rapid temperature rise to a high maximum temperature. At the same time they are characterized by high-durability and long life.



Technical features

- Glow temperatures up to 1300°C



- Extremely rapid heat-up time in under 3 seconds to 1300°C



- Extended life time



- Exact measurement of the glow plug resistance

- Optimized close-loop control for pre-, intermediate and post-heating

- Reducing pollutant emissions due to improved combustion

What makes BERU Ceramic Glow Plugs special?



Shorter heat up times than conventional ceramic glow plugs.

Particular design of the ceramic treating rod:

The heating element consists entirely of electrically conductive ceramic. Because its surface has a higher specific resistance than the material of the supply and return conductors, the glow rod only glows at the tip (cap) and thus reaches high temperatures more rapidly. The glow pin contact consists of an internal and external conductor separated by an insulator.



- 1 Heating section cap
- 2 Glow pin contact
- 3 Cap area
- 4 External conductor
- 5 Insulator
- 6 Internal conductor

Ready to order: 15 NPI's from BERU

Ceramic Glow Plugs



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Perfection
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Trade Number
CGP002

Product group
Ceramic Glow Plug

OE Reference
N 105 916 04
N 105 916 08

Main Application

Audi: A3, A4
Seat: Alhambra, Altea, Cordoba, Ibiza, Leon, Toledo
Skoda: Fabia, Octavia, Roomster, Superb
Volkswagen: Crafter, Jetta, New Beetle, Passat, Polo, Sharan, Touareg, Transporter

Year
2004

EAN/UPC-Code
4044197848225

Dimension (mm)
97 x 12 x 9

Gross Weight (kg)
0,027

Net Weight (kg)
0,025



Trade Number
CGP003

Product group
Ceramic Glow Plug

OE Reference
N 105 798 03
N 105 798 05

Main Application

Audi: A3, A4, A6
Seat: Altea, Leon, Toledo
Skoda: Octavia
Volkswagen: Golf, Jetta, Passat, Touran

Year
2004

EAN/UPC-Code
4044197848249

Dimension (mm)
117 x 8 x 6

Gross Weight (kg)
0,022

Net Weight (kg)
0,019

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Trade Number
CGP007

Product group
Ceramic Glow Plug

OE Reference
Opel: 93198468
Nissan: 11065 5X00A
Renault: 82 00 561 251

Main Application

Opel: Movano Bus, Vivaro F7 CDTI
Nissan: Murano, Navara, Pathfinder, Qashqai, X-Trail CDI
Renault: Espace IV, Koleos, Trafic II Bus

Year
2007

EAN/UPC-Code

4044197848263

Dimension (mm)

163 x 11 x 9,5

Gross Weight (kg)

0,023

Net Weight (kg)

0,021



Trade Number
GSE104

Product group
Glow Plug timer relay

OE Reference
A 034 545 64 32

Main Application
Mercedes Benz: C-Class
(W203) C30CDI AMG

Year
2002-2008

EAN/UPC-Code
4044197844142

Dimension (mm)
190 x 130 x 8

Gross Weight (kg)
0,336

Net Weight (kg)
0,250

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Trade Number
GSE128

Product group
Glow Plug timer relay

OE Reference
77 00 109 860

Main Application
Renault: Clio II, Kangoo
Year
1998-2005

EAN/UPC-Code
4044197844289
Dimension (mm)
210 x 100 x 70
Gross Weight (kg)
0,210
Net Weight (kg)
0,158



Trade Number
GSE129

Product group
Glow Plug timer relay

OE Reference
77 00 111 525

Main Application

Renault: Clio II,
Laguna I

Year
1997-2005

EAN/UPC-Code

4044197844302

Dimension (mm)

210 x 100 x 70

Gross Weight (kg)

0,212

Net Weight (kg)

0,160

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Trade Number
GSE147

Product group
Glow Plug timer relay

OE Reference
9640469680

Main Application

Citroën: Berlingo
Ford: Focus II, Fiesta V
Mazda: Mazda 2
Opel: Movano, Vivaro
Renault: Trafic II Bus

Year
2001

EAN/UPC-Code

4044197844166

Dimension (mm)

105 x 100 x 40

Gross Weight (kg)

0,105

Net Weight (kg)

0,076



**Trade
Number**
GSE148

Product group
Glow Plug timer relay

OE Reference
598120

Main Application

Citroën: XM
Peugeot: 605

Year
1989-2000

EAN/UPC-Code

4044197844180

Dimension (mm)

210 x 100 x 70

Gross Weight (kg)

0,216

Net Weight (kg)

0,154

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Trade Number
GSE149

Product group
Glow Plug timer relay

OE Reference
598131

Main Application

Citroën: Berlingo, C2, C3, C5I, Evasion, Jumper, SAXO, XANTIA, XSARA Break, Picasso

Peugeot: 106, 206, 306, 406, 605, 607, 806, 807, Boxer Box, Bus, EXPERT, Partner Box

Year
1994

EAN/UPC-Code

4044197844203

Dimension (mm)

210 x 100 x 70

Gross Weight (kg)

0,204

Net Weight (kg)

0,142



Trade Number
GSE151

Product group
Glow Plug timer relay

OE Reference
047L907282

Main Application

Audi: A3, A4 Avant, A5, A6 Avant, A8 4,2 TDI quattro, Q5 2,0 TDI quattro

Seat: Alhambra, Leon

Skoda: Octavia

Volkswagen: Beetle, Golf Sportsvan, Golf V, VII, Passat TDI, Sharan TDI, Transporter V Box

Year
2003-

EAN/UPC-Code

44044197844241

Dimension (mm)

105 x 100 x 40

Gross Weight (kg)

0,083

Net Weight (kg)

0,053

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Trade Number
GSE152

Product group
Glow Plug timer relay

OE Reference
038907281D

Main Application

Audi: A1, A3, Q3 TDI quattro

Seat: Alhambra TDI, Altea, Ibiza IV, V, Leon, Toledo III

Skoda: Fabia TDI, Fabia Combi, Octavia, Superb, Yeti,

VW: Amarok, Caddy III Box, EOS, Golf V, Passat, Polo, Scirocco, Tiguan, Touran

Year

2003

EAN/UPC-Code

4044197844265

Dimension (mm)

105 x 100 x 40

Gross Weight (kg)

0,097

Net Weight (kg)

0,067



**Trade
Number**
ZSE156

Product group
Ignition Coils

OE Reference
22448-ZE00C

Main Application

Nissan: Armada, Titan

Year

2003

EAN/UPC-Code

4014427141501

Dimension (mm)

172 x 94 x 73

Gross Weight (kg)

0,230

Net Weight (kg)

0,190

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Trade Number
ZSE157

Product group
Ignition Coils

OE Reference
22448-AR215

Main Application
Infiniti: FX45, M45, Q45
Year
2003-2008

EAN/UPC-Code
4014427141518
Dimension (mm)
172 x 94 x 73
Gross Weight (kg)
0,220
Net Weight (kg)
0,180



Trade Number
ZSE158

Product group
Ignition Coils

OE Reference
22448-JA10C

Main Application

Infiniti: EX35, M35, Q50

Nissan: 350 Z, Roadster, Altima, Murano, Tena II

Renault: Laguna III, Latitude 2,5 V6

Year
2008

EAN/UPC-Code

4014427141525

Dimension (mm)

172 x 94 x 73

Gross Weight (kg)

0,230

Net Weight (kg)

0,190

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Trade Number
ZSE159

Product group
Ignition Coils

OE Reference
12570616

Main Application

Cadillac: CTS 5,7 V8,
Escalade

Chevrolet: Avalanche, Camaro,
Corvette, Silverado 1500,
Trailblazer

Year
2009

EAN/UPC-Code

4014427141532

Dimension (mm)

172 x 94 x 73

Gross Weight (kg)

0,310

Net Weight (kg)

0,270

In this BERU Newsletter

Ignition Technology

Spark Plugs

- Ultra
- Ultra X Titan
- Platin



Ignition Coils

- Distributor Ignition Coils
- Pencil Coils/Plug Top Coils
- Block Ignition Coils
- Ignition Coil Rails



Ignition Leads & Components



Diesel Cold Start Technology

Glow Plugs

- Post heating (GN)
- Post heating electrical (GE)
- Ceramic Glow Plugs



Pressure Sensor Glow Plugs (PSG)



Instant Start System (ISS)



Also available from BERU

Cooling

- Fan wheels
- Fan Clutches
- Electrical Fans



Sensors

- Oxygen
- High-temperature
- Speed, Oil and Temperature



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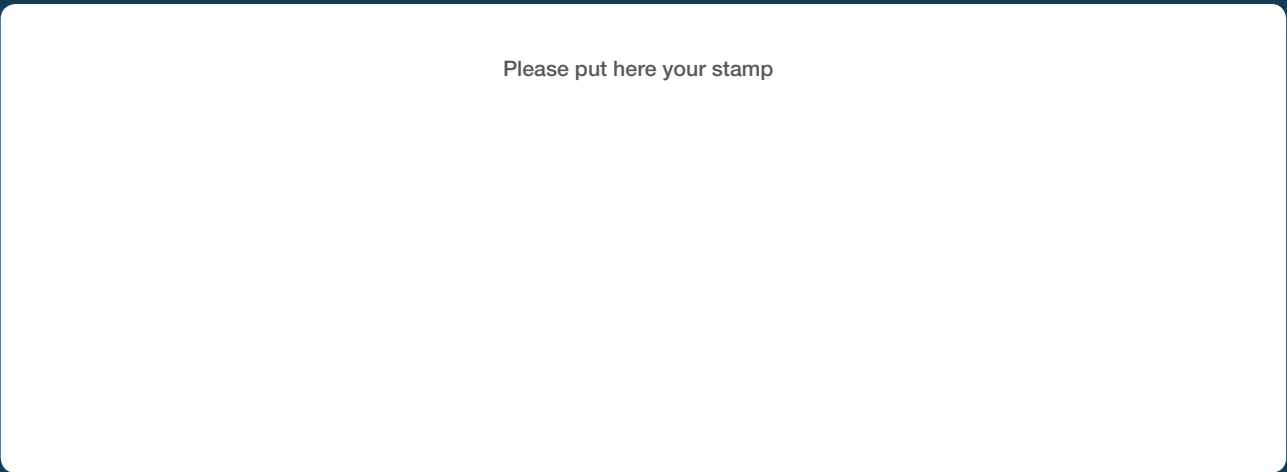
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