



**TURN IT ON**



## **New Product Introductions – Ignition #3**

### **CHAMPION INTRODUCES INTEGRATED PRESSURE GLOW PLUGS, CERAMIC GLOW PLUGS AND GLOW CONTROL UNITS**

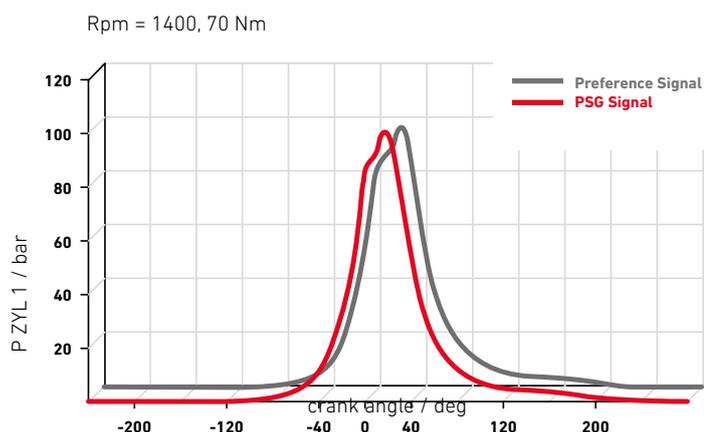
Champion continually introduces new ignition products (NPIs). As a full Ignition specialist Champion is constantly expanding its range of products. From advanced Integrated Pressure Sensor Glow Plugs, over Ceramic Glow Plugs, to a solid range of Glow Control Units. Whether you drive a Diesel engine or a Petrol engine, Champion is always offering the right solution for your car.



# Integrated Pressure Sensor Glow Plug

**Critical for modern engine build. Necessary for today's performance and emissions standards.**

With the world's first glow plug to enable the regulation of the combustion processes inside a closed loop system on the market, Champion once again highlights its technological lead. By installing integrated pressure sensor glow plugs higher peak pressures can be implemented in today's smaller engines, standard and future combustion processes can be pushed even further to their limits, and constantly stable emissions control can be obtained throughout the engine's entire service life.



## Future of cold start technology

The Champion Integrated Pressure Sensor Glow Plug is an intelligent glow plug with integrated combustion chamber pressure sensor which reports data to the engine control electronics. Injection is adjusted to the actual combustion in real time.

## BENEFITS AT A GLANCE

- 1** Cylinder pressure can be recorded up to 200 bar, accurate to +/- 2% and with a resolution up to 700 steps per combustion cycle
- 2** The ECU is able to constantly adapt the fuel injection, the charge pressure and the exhaust gas recycling rate
- 3** Ignition can be optimised to each cylinder
- 4** Improves cold starts and cold running quality
- 5** Enables optimum torque control
- 6** Higher engine performance with limited emission of pollutants, soot particles and nitrogen oxides
- 7** "Closed loop" method introduced into the Diesel Engines





## INTEGRATED PRESSURE SENSOR GLOW PLUG



**Trade  
Number**  
**CPSG001**

**Product group**

Integrated Pressure  
Sensor Glow Plugs

**OE Reference**

55 564 163  
18 26 354

**Main Application**

OPEL: Opel Insignia

**Year**

2008 →

**EAN/UPC-Code**

4044197953738

**Dimension (mm)**

260 x 35 x 30

**Gross Weight (kg)**

0,081

**Net Weight (kg)**

0,080



## INTEGRATED PRESSURE SENSOR GLOW PLUG



**Trade  
Number  
CPSG003**

**Product group**

Integrated Pressure  
Sensor Glow Plugs

**OE Reference**

55 233 532  
55 237 483  
55 565 634  
55 577 419  
55 580 403  
12 14 057  
12 14 061  
12 14 086

**Main Application**

OPEL: Opel Corsa D

**Year**

2006 →

**EAN/UPC-Code**

4044197953752

**Dimension (mm)**

260 x 35 x 30

**Gross Weight (kg)**

0,065

**Net Weight (kg)**

0,037



## INTEGRATED PRESSURE SENSOR GLOW PLUG



**Trade  
Number**  
**CPSG004**

**Product group**

Integrated Pressure  
Sensor Glow Plugs

**OE Reference**

55 568 366  
55 590 466  
12 14 088  
12 14 104

**Main Application**

OPEL: Opel Astra J

**Year**

2009 →

**EAN/UPC-Code**

4044197953776

**Dimension (mm)**

260 x 35 x 30

**Gross Weight (kg)**

0,079

**Net Weight (kg)**

0,077



## INTEGRATED PRESSURE SENSOR GLOW PLUG



**Trade  
Number**  
**CPSG006**

**Product group**

Integrated Pressure  
Sensor Glow Plugs

**OE Reference**

55 579 436  
55 590 467  
12 14 087  
12 14 101

**Main Application**

OPEL: Opel Insignia

**Year**

2008 →

**EAN/UPC-Code**

4044197953813

**Dimension (mm)**

260 x 35 x 30

**Gross Weight (kg)**

0,081

**Net Weight (kg)**

0,076



## INTEGRATED PRESSURE SENSOR GLOW PLUG



**Trade  
Number**  
**CPSG007**

**Product group**

Integrated Pressure  
Sensor Glow Plugs

**OE Reference**

03L 905 061 G

**Main Application**

Skoda: Octavia

**Year**

2012 →

**EAN/UPC-Code**

4044197953837

**Dimension (mm)**

260 x 35 x 30

**Gross Weight (kg)**

0,07

**Net Weight (kg)**

0,067



## INTEGRATED PRESSURE SENSOR GLOW PLUG



**Trade  
Number**  
**CPSG008**

**Product group**

Integrated Pressure  
Sensor Glow Plugs

**OE Reference**

059 905 061 E  
059 905 061 H

**Main Application**

Audi: Q7

**Year**

→ 2015

**EAN/UPC-Code**

4044197953851

**Dimension (mm)**

260 x 35 x 30

**Gross Weight (kg)**

0,072

**Net Weight (kg)**

0,071



## CERAMIC GLOW PLUG



**Trade  
Number**  
**CCGP001**

**Product group**

Ceramic Glow Plugs

**OE Reference**

0 038 490  
12 23 0 038 490  
7 810 858  
7 810 858 01  
7 810 858 02

**Main Application**

BMW: X1 (E84)

**Year**

→ 2015

**EAN/UPC-Code**

4044197953653

**Dimension (mm)**

160 x 27 x 23

**Gross Weight (kg)**

0,046

**Net Weight (kg)**

0,045



## CERAMIC GLOW PLUG



**Trade  
Number**  
**CCGP002**

**Product group**  
Ceramic Glow Plugs

**OE Reference**

N 105 916 04  
N 105 916 08

**Main Application**

VW: Polo

**Year**

→ 2009

**EAN/UPC-Code**

4044197953677

**Dimension (mm)**

160 x 27 x 23

**Gross Weight (kg)**

0,034

**Net Weight (kg)**

0,031



## CERAMIC GLOW PLUG



**Trade  
Number**  
**CCGP003**

**Product group**  
Ceramic Glow Plugs

**OE Reference**

N 105 798 03  
N 105 798 05

**Main Application**

VW: Passat Variant (3C5)

**Year**

→ 2010

**EAN/UPC-Code**

4044197953691

**Dimension (mm)**

160 x 27 x 23

**Gross Weight (kg)**

0,035

**Net Weight (kg)**

0,033



## CERAMIC GLOW PLUG



**Trade  
Number**  
**CCGP007**

**Product group**

Ceramic Glow Plugs

**OE Reference**

93198468  
11065 00Q0C  
111065 5X00A  
44 35 091  
82 00 561 251

**Main Application**

NISSAN: Qashqai

**Year**

2007 →

**EAN/UPC-Code**

4044197953714

**Dimension (mm)**

160 x 27 x 23

**Gross Weight (kg)**

0,059

**Net Weight (kg)**

0,056



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU081**

**Product group**

Glow control units

**OE Reference**

357911253

**Main Application**

VW: Golf IV

**Year**

→ 2004

**EAN/UPC-Code**

4044197939800

**Dimension (mm)**

105 x 100 x 40

**Gross Weight (kg)**

0,052

**Net Weight (kg)**

0,049



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU101**

**Product group**

Glow control units

**OE Reference**

12 21 7 786 821  
12 21 7 801 200  
7 786 821  
7 801 200

**Main Application**

BMW: Serie 3 (E46)

**Year**

→ 2005

**EAN/UPC-Code**

4044197939817

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,25

**Net Weight (kg)**

0,238



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU102**

**Product group**

Glow control units

**OE Reference**

12 21 7 788 327  
12 21 7 801 201  
7 788 327  
7 801 201

**Main Application**

BMW: X5 (E53)

**Year**

→ 2006

**EAN/UPC-Code**

4044197939824

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,333

**Net Weight (kg)**

0,316



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU104**

**Product group**

Glow control units

**OE Reference**

032 545 05 32  
034 545 64 32  
A 032 545 05 32  
A 034 545 64 32

**Main Application**

MERCEDES-BENZ:  
C-Class (W203)

**Year**

→ 2007

**EAN/UPC-Code**

4044197939831

**Dimension (mm)**

190 x 145 x 80

**Gross Weight (kg)**

0,336

**Net Weight (kg)**

0,319



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU105**

**Product group**

Glow control units

**OE Reference**

12 21 7 798 000  
12 21 8 591 723

**Main Application**

BMW: Serie 1 (E87)

**Year**

→ 2012

**EAN/UPC-Code**

4044197939848

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,259

**Net Weight (kg)**

0,246



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU108**

**Product group**

Glow control units

**OE Reference**

12 21 7 800 156

**Main Application**

BMW: X5 (E70)

**Year**

→ 2013

**EAN/UPC-Code**

4044197939855

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,262

**Net Weight (kg)**

0,249



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU110**

**Product group**

Glow control units

**OE Reference**

646 153 25 79  
A 646 153 25 79

**Main Application**

MERCEDES-BENZ:  
C-Class (W204)

**Year**

→ 2008

**EAN/UPC-Code**

4044197939862

**Dimension (mm)**

190 x 145 x 80

**Gross Weight (kg)**

0,258

**Net Weight (kg)**

0,245



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU113**

**Product group**

Glow control units

**OE Reference**

648 153 02 79  
A 648 153 02 79

**Main Application**

MERCEDES-BENZ:  
E-Class (W211)

**Year**

→ 2008

**EAN/UPC-Code**

4044197939879

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,002

**Net Weight (kg)**

0,001



## GLOW CONTROL UNIT



### Trade Number CCU114

### Product group

Glow control units

### OE Reference

A 642 153 03 79  
A 642 153 19 79  
A 642 153 20 79  
A 642 900 28 00  
A 642 900 58 01  
A 642 900 78 01

### Main Application

MERCEDES-BENZ:  
M-Class (W164)

### Year

→ 2009

### EAN/UPC-Code

4044197939886

### Dimension (mm)

190 x 145 x 80

### Gross Weight (kg)

0,203

### Net Weight (kg)

0,155



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU116**

**Product group**

Glow control units

**OE Reference**

A 642 153 37 79

A 642 900 27 00

A 642 900 57 01

A 642 900 77 01

**Main Application**

MERCEDES-BENZ:  
M-Class (W166)

**Year**

2011 →

**EAN/UPC-Code**

4044197939893

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,205

**Net Weight (kg)**

0,180



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU118**

**Product group**

Glow control units

**OE Reference**

629 153 06 79  
A 629 153 06 79

**Main Application**

MERCEDES-BENZ:  
GL-Class (X164)

**Year**

→ 2009

**EAN/UPC-Code**

4044197939909

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,305

**Net Weight (kg)**

0,289



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU128**

**Product group**

Glow control units

**OE Reference**

77 00 109 860

**Main Application**

RENAULT: Clio II

**Year**

→ 2005

**EAN/UPC-Code**

4044197939916

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,203

**Net Weight (kg)**

0,155



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU129**

**Product group**

Glow control units

**OE Reference**

77 00 100 703  
77 00 111 525

**Main Application**

RENAULT: Megane  
Scenic

**Year**

→ 2003

**EAN/UPC-Code**

4044197939923

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,358

**Net Weight (kg)**

0,340



## GLOW CONTROL UNIT



### Trade Number CCU140

### Product group

Glow control units

### OE Reference

000 545 35 16  
025 545 28 32  
646 153 65 79  
A 000 545 35 16  
A 025 545 28 32  
A 646 153 65 79

### Main Application

MERCEDES-BENZ:  
A-Class (W168)

### Year

→ 2004

### EAN/UPC-Code

4044197939930

### Dimension (mm)

210 x 100 x 70

### Gross Weight (kg)

0,178

### Net Weight (kg)

0,170



## GLOW CONTROL UNIT



### Trade Number CCU141

#### Product group

Glow control units

#### OE Reference

000 545 36 16  
019 545 69 32  
025 545 29 32  
028 545 40 32  
648 900 00 00  
A 000 545 36 16  
A 019 545 69 32  
A 025 545 29 32  
A 028 545 40 32  
A 648 900 00 00

#### Main Application

MERCEDES-BENZ:  
M-Class (W163)

#### Year

→ 2005

#### EAN/UPC-Code

4044197939947

#### Dimension (mm)

210 x 100 x 70

#### Gross Weight (kg)

0,184

#### Net Weight (kg)

0,174



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU142**

**Product group**

Glow control units

**OE Reference**

55353011  
6235240

**Main Application**

OPEL: Zafira A

**Year**

→ 2005

**EAN/UPC-Code**

4044197939954

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,208

**Net Weight (kg)**

0,184



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU143**

**Product group**

Glow control units

**OE Reference**

55354141  
6235305

**Main Application**

OPEL: Meriva

**Year**

→ 2010

**EAN/UPC-Code**

4044197939961

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,211

**Net Weight (kg)**

0,187



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU144**

**Product group**

Glow control units

**OE Reference**

1232076  
55557760

**Main Application**

OPEL: Corsa D

**Year**

2006 →

**EAN/UPC-Code**

4044197939978

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,154

**Net Weight (kg)**

0,146



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU145**

**Product group**

Glow control units

**OE Reference**

1221077  
55557761

**Main Application**

OPEL: Astra J

**Year**

2009 →

**EAN/UPC-Code**

4044197939985

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,156

**Net Weight (kg)**

0,148



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU147**

**Product group**

Glow control units

**OE Reference**

XX 5981 40  
9640469680  
1252609  
3M5T-12A343-AA  
93858431  
132122  
11067-JD50C  
25230-80A0A  
44 16 764  
93862497  
9640469680  
8692616

**Main Application**

FORD: Fiesta V

**Year**

→ 2008

**EAN/UPC-Code**

4044197939992

**Dimension (mm)**

105 x 100 x 40

**Gross Weight (kg)**

0,104

**Net Weight (kg)**

0,098



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU148**

**Product group**

Glow control units

**OE Reference**

5981 16  
5981 20  
9611751081

**Main Application**

PEUGEOT: 605 (6B)

**Year**

→ 1999

**EAN/UPC-Code**

4044197940004

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,213

**Net Weight (kg)**

0,205



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU149**

**Product group**

Glow control units

**OE Reference**

5981 31  
5981 38  
9639912580

**Main Application**

CITROËN: Xsara Picasso  
(N68)

**Year**

1999 →

**EAN/UPC-Code**

4044197940011

**Dimension (mm)**

210 x 100 x 70

**Gross Weight (kg)**

0,205

**Net Weight (kg)**

0,196



**GLOW CONTROL UNIT**



**Trade Number**  
**CCU150**

**Product group**

Glow control units

**OE Reference**

2374720  
51233720  
51888255  
55199051

**Main Application**

FIAT: Doblo Cargo (223)

**Year**

2003 →

**EAN/UPC-Code**

4044197940028

**Dimension (mm)**

105 x 100 x 40

**Gross Weight (kg)**

0,215

**Net Weight (kg)**

0,204



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU151**

**Product group**

Glow control units

**OE Reference**

038 907 281 B  
04L 907 282

**Main Application**

VW: Golf VII

**Year**

2012 →

**EAN/UPC-Code**

4044197940035

**Dimension (mm)**

105 x 100 x 40

**Gross Weight (kg)**

0,084

**Net Weight (kg)**

0,080



## GLOW CONTROL UNIT



**Trade  
Number**  
**CCU152**

**Product group**

Glow control units

**OE Reference**

038 907 281 D  
04L 907 281

**Main Application**

VW: Tiguan

**Year**

2007 →

**EAN/UPC-Code**

4044197940042

**Dimension (mm)**

105 x 100 x 40

**Gross Weight (kg)**

0,095

**Net Weight (kg)**

0,075



## GLOW CONTROL UNIT



### Trade Number CCU153

#### Product group

Glow control units

#### OE Reference

46414088  
46432278  
46438456  
46772573  
60812527  
7735921  
9615959448  
46438456

#### Main Application

FIAT: Punto (176)

#### Year

→ 1999

#### EAN/UPC-Code

4044197940059

#### Dimension (mm)

105 x 100 x 40

#### Gross Weight (kg)

0,212

#### Net Weight (kg)

0,201

# Champion's ignition range turns on your engine!



## AUTOMOTIVE SPARK PLUGS

- Copper
- Platinum
- Iridium
- eon TITAN short range



## NON-AUTOMOTIVE SPARK PLUGS

- Copper
- Steel
- Platinum
- Iridium



## IGNITION COILS RANGE EXTENSION IN PROGRESS

- Distributor ignition coils
- Pencil / plug top coils
- Block ignition coils
- Ignition coil rails



## WIRE SETS NEW IN OUR RANGE

- Ignition Wire sets



## GLOW PLUGS

- Electronically controlled Glow Plug up to 5 Volt
- Long Post Heating Glow Plug up to 13,5 Volt
- Instant Start System

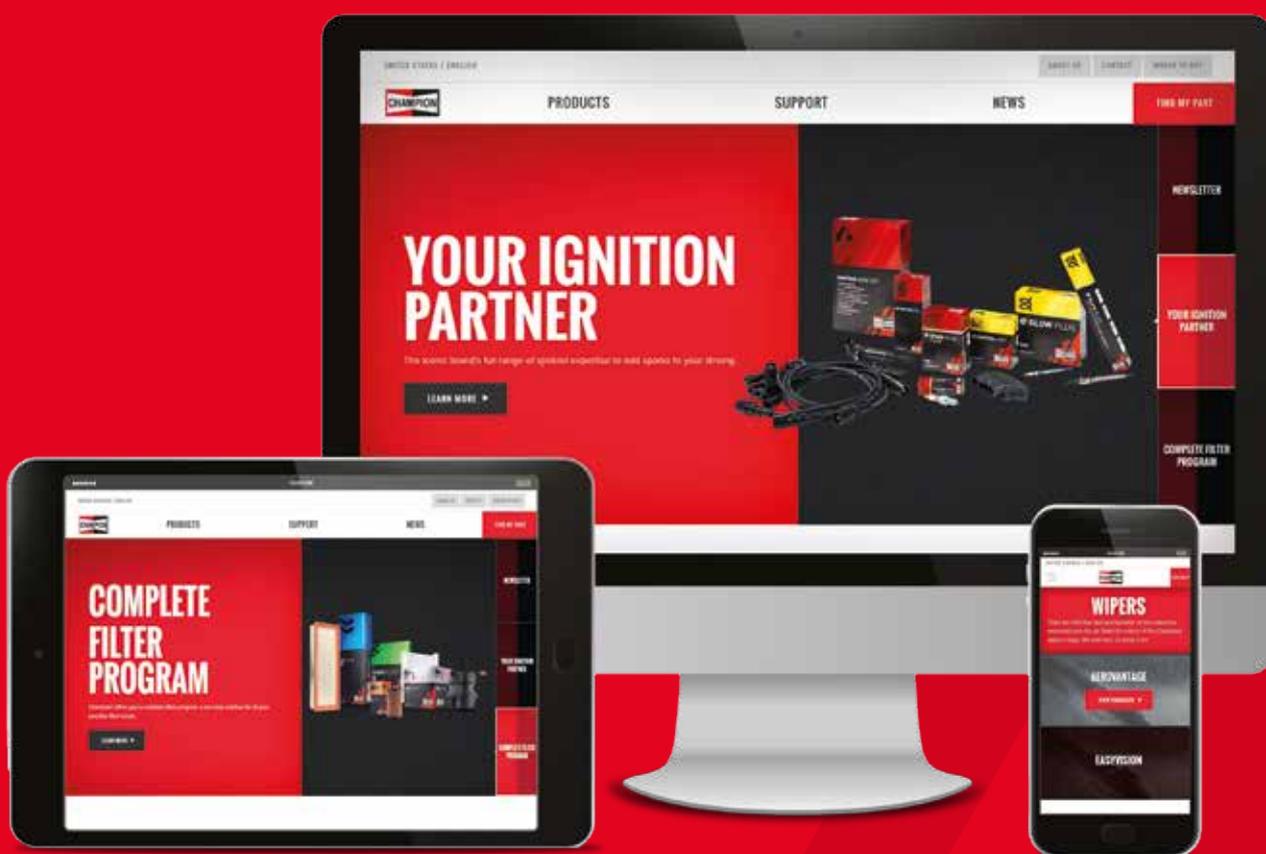


## GLOW CONTROL UNITS



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- Watch our instructional installation videos
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