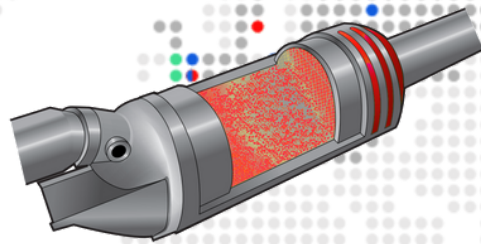


bosal : aftermarket

Contributing to a cleaner world by consistently innovating in mobility and energy



Latest information on
www.catalogue.bosal.com



DPF
Additive
—
Bosal GEN

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Since the introduction of **diesel particulate filters (DPF)** and specifically those with PSA technology, emission regulations are becoming stricter by the year, resulting in a **greater importance of catalytic converters and diesel particulate filters**. Indeed, one of the consequences of the combustion cycle of a diesel car is pollution by fine particles or soot, which are extremely harmful to health and the environment. To reduce this pollution, many countries have implemented regulations and have incorporated **severe emission tests** into their technical inspection, which are mandatory to pass car license legislation.



The **average age of passenger cars** in the European car parc **has also increased** significantly. These older engines are obviously contributing to the increased emissions and pollution, hence the development of the **PSA technology with mandatory DPF additive**, which is needed for the regeneration of the DPF.

There are actually 2 different technologies for the **regeneration of the DPF or in other words, for burning off the soot**: 1. PSA technology with a DPF additive in a dedicated tank or 2. DPF with specific precious metals. In case of the PSA technology, the regeneration only works with a DPF additive. The DPF will not burn off the soot without the DPF additive.



Burning off the soot or the **regeneration is most effective when reaching temperatures of 550°**. To achieve the necessary combustion temperature (550°C) for burning the soot, the engine control unit (ECU) determines the amount of fuel to inject based on a number of sensor readings. However, many cars limited to only city driving are not able to reach this temperature, and therefore the **DPF becomes clogged, resulting in higher harmful emissions and fuel consumption**

To avoid clogging the DPF, it is necessary, in case of the PSA technology, to use a DPF additive, like **BOSAL GEN**, which is an **alternative for the OE DPF additive**



Advantages

- avoiding early clogging of the DPF
- reducing harmful emissions
- achieving all international standards
- preventing higher fuel consumption
- preventing loss of engine power
- saving cost by passing technical inspection and/or holding off (early) repairs



New





Bosal GEN



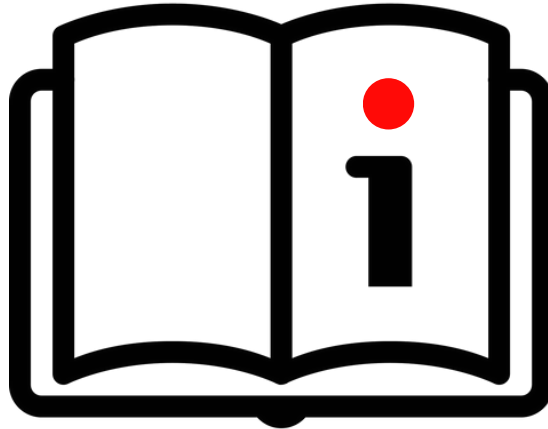
Since your DPF will not work without the DPF additive, a **warning light** will appear **on the dashboard** indicating when the additive needs replenishment.

There are **4 generations** of additives available and they each are designed for a certain type of engine. It is important to **respect the generation of additives recommended by the vehicle manufacturer** (different generations of additives cannot be mixed). The formula of the additive is based on **organometallic components (liquid cerium and/or iron)**. They are best in class in the aftermarket, matching OE specifications and outperforming cheaper universal solutions.

Each gen additive is available in **1L or 3L / 4,5L** as a **full kit**, including empty bottle and accessories to empty and refill the dedicated tank.

Bosal GEN 1	Bosal GEN 2	Bosal GEN 3	Bosal GEN 4
Bosal number: 258-711 (1 l Kit) 258-714 (4,5 l Kit)	Bosal number: 258-721 (1 l Kit) 258-723 (3 l Kit)	Bosal number: 258-731 (1 l Kit) 258-733 (3 l Kit)	Bosal number: 258-741 (1 l Kit) 258-743 (3 l Kit)
Generation 1	Generation 2	Generation 3	Generation 4
Tank cap color: 	Tank cap color: 	Tank cap color: 	Tank cap color: 
OPR number: to 9491	OPR number: from 9492 to 12075, 12151 or 12165	OPR number: from 12152 or 12166	OPR number: from 12076
Eolys number: 258-975 (1 l Kit) 258-972 (4,5 l Kit)	Eolys number: 258-976 (1 l Kit) 258-971 (3 l Kit)	Eolys number: 258-977 (1 l Kit) 258-978 (3 l Kit)	Eolys number: 258-968 (1 l Kit) 258-969 (3 l Kit)
OE number: 973665 (1 l Kit) 997995 (4,5 l Kit)	OE number: 1623961380 (1 l Kit) 1623961480 (3 l Kit)	OE number: 9736A0 (1 l Kit) 9736A1 (3 l Kit)	OE number: 1623961580 (1 l Kit) 1623961680 (3 l Kit)

Instruction Manual



Identification of the DPF additive

How to find the right generation of additive :

Step 1: go to catalogue.bosal.com and **select your car model**

Situation 1: If only **one** generation

The screenshot shows the Bosal website interface. The search bar contains "Soot/Particulate Filter Regeneration". The current selection is "CITROËN C4 PICASSO II 2.0 BlueHdi 135". The search results table shows two generations of the additive:

Article number	Description	Article status
258-731	BOSAL Additive, soot/particulate filter regeneration Model year: from 01.2014; for vehicles with soot filter Capacity: 1 l; for vehicles with fuel additive tank (DPF regeneration) Packing unit: 1 Quantity per packing unit: 1	Normal
258-733	BOSAL Additive, soot/particulate filter regeneration Model year: from 01.2014; for vehicles with soot filter Capacity: 3 l; for vehicles with fuel additive tank (DPF regeneration) Packing unit: 1 Quantity per packing unit: 1	Normal

→ Step 2: Choose 1L or 3L/4,5L from the search

Situation 2: If you have **two** generations

The screenshot shows the Bosal website interface. The search bar contains "Additive, soot/particulate filter regeneration (4)". The current selection is "CITROËN C5 III (HD) 3.0 HDi 240 (RD8CA)". The search results table shows four generations of the additive:

Article number	Description	Article status
258-721	BOSAL Additive, soot/particulate filter regeneration for vehicles with soot filter. Production no. until 12075 Capacity: 1 l; for vehicles with fuel additive tank (DPF regeneration) Packing unit: 1 Quantity per packing unit: 1	Normal
258-723	BOSAL Additive, soot/particulate filter regeneration for vehicles with soot filter. Production no. until 12075 Capacity: 3 l; for vehicles with fuel additive tank (DPF regeneration) Packing unit: 1 Quantity per packing unit: 1	Normal
258-741	BOSAL Additive, soot/particulate filter regeneration for vehicles with soot filter. Production no. until 12076 Capacity: 1 l; for vehicles with fuel additive tank (DPF regeneration) Packing unit: 1 Quantity per packing unit: 1	Normal
258-743	BOSAL Additive, soot/particulate filter regeneration for vehicles with soot filter. Production no. from 12076 Capacity: 3 l; for vehicles with fuel additive tank (DPF regeneration) Packing unit: 1 Quantity per packing unit: 1	Normal

→ { Step 2: Check OPR number in the car. (see in the following page)
Step 3: Select Bosal GEN with corresponding OPR number.
Step 4: Choose 1L or 3l/4,5L from the search.

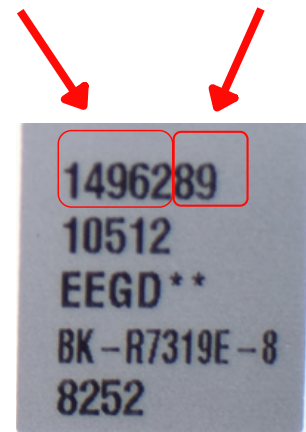
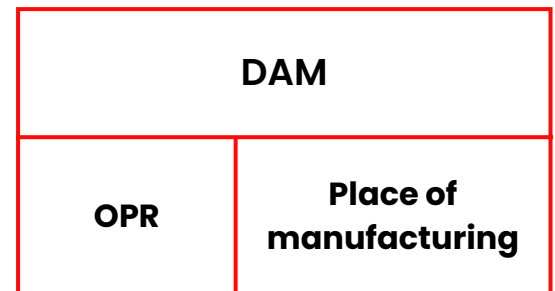
Identification of the DPF additive

The identification of the DPF additive by the OPR number is the most reliable:

How to find the OPR number?

- on the door jam
- on the foot of the door
- near the shock absorber head (old vehicles)

Ex: Peugeot 308 (2017)



Meaning of the OPR: (Organization of the Spare Parts)

Number that indicates the day, month and year of production
(a table of correspondence exists between this number and the precise date)

Meaning of the DAM: (Date of Application of Modification)

OPR number + 2 digits that indicate the place of manufacture of the vehicle
(PSA codification)

Identification of the DPF additive

Additive tank location:

Usually in the back under the vehicle

Example: Peugeot 308 (2017) , the tank is under the vehicle, on the left rear side



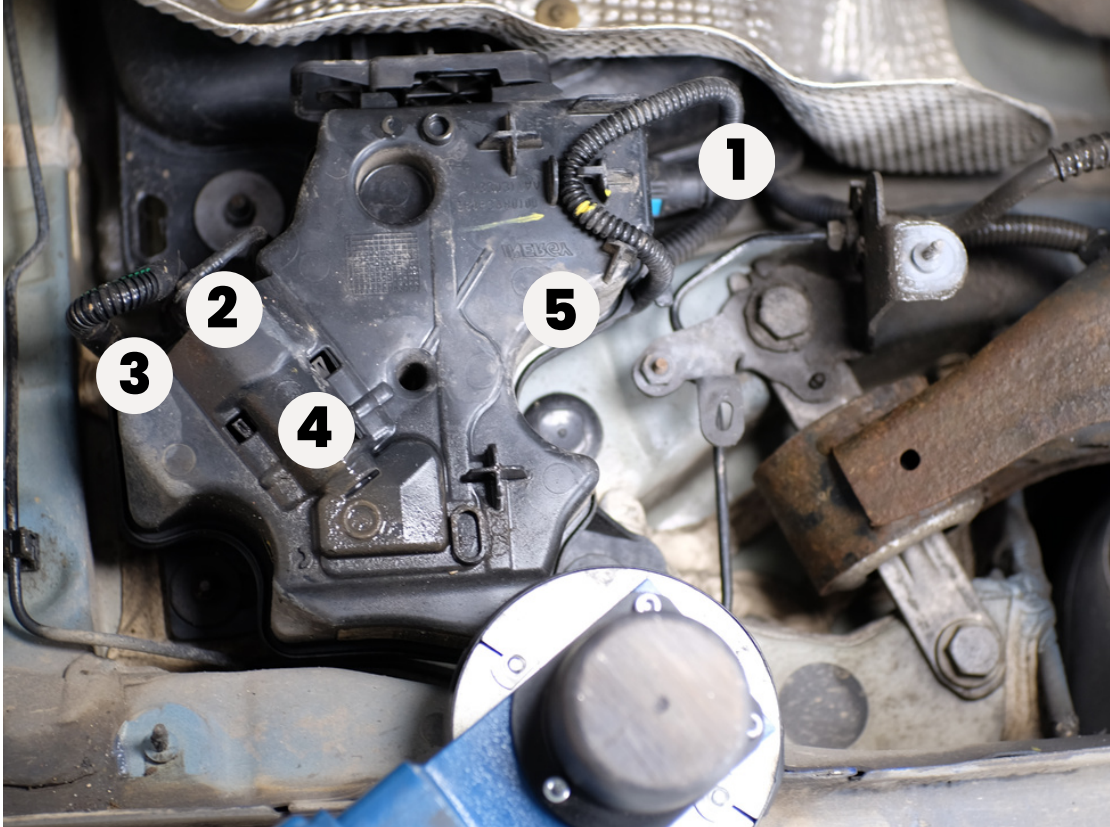
Here, the tank is protected by a plastic cover



View of the tank: It can be rigid and/or contain a pocket

Identification of the DPF additive type

Bosal GEN - DPF additive type identification at the tank



1. Connector for filling the additive tank:
 - The color code (here, blue) indicates the generation of additive used
2. Power supply for the injector
3. Additive connector to the fuel tank*
4. Additive injector
5. Reservoir



*3. Additive connector to the fuel tank:
Not to be confused with the tank filling connector

Below, the 4 generations of Bosal GEN - DPF additive with the color codes:

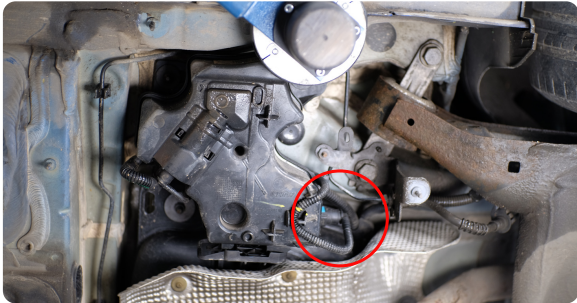
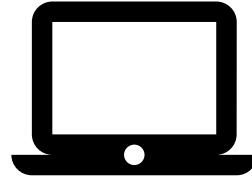


Color-coded identification is not enough,
it is strongly advised to cross-reference the information with OPR number

Filling the additive tank



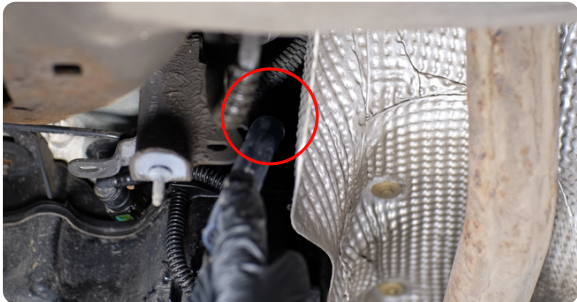
Connect the Diag tool to the OBD socket and look up the additive settings



Remove the protective cover to access the additive tank.

In the case of a rigid tank:

Disconnect the filling tube by pressing the blue button



Connect the small tube (supplied in the BOSAL kit)



Position the empty bottle and the small tube (empty bottle and accessories provided in the BOSAL kit)



Connect with the overflow tube (supplied in the BOSAL kit)

Filling the additive tank



Check for proper fit at the connection.



Connect the overflow tube to the additive bottle. **Position the Bosal GEN bottle higher than the tank when filling.**

Use a handle or the door frame.

(Net and hooks are provided in the BOSAL kit)



When everything is connected:

Open the valve of the Bosal GEN bottle;

Position the can on the side facing up, the additive will flow into the tank.



Monitor the overflow pipe:

As soon as liquid comes out of the tank, it means that the tank is full.



Before disconnecting the pipes:

Close the valve on the additive bottle;

Position the additive bottle lower than the reservoir to avoid splashing.

Filling the additive tank



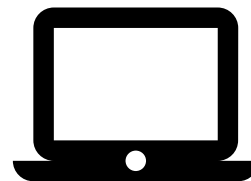
Reconnect the filling tube



Put back the protective cover



Reconnect the Diag tool to the OBD socket to reset the settings additive



Single use kits:



- Do not reuse the bottle and the pipes in order to avoid any pollution of the additive system.
- Store the used kits in a suitable container to be sent to the appropriate recycling circuit.



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Better be sure.
Better be Bosal.

Contact Us

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