

FITTING GUIDE

DPF SIZE CLARIFICATION

Applies to: BM11188H & BM11188HP



This guide clarifies a fitment characteristic of BM11188H / BM11188HP and seeks to resolve questions about the length of the part compared to the OE DPF and the catalytic converter that it fits within. This characteristic is not a manufacturing defect or a sign of the wrong part being supplied.

KNOWN ISSUE & WHY THIS OCCURS

It has been reported that BM11188H and BM11188HP are longer than the OE part that they are intended to replace. This concern raised is that this difference in length prevents the DPF from seating correctly inside the catalytic converter. It is known that some OE parts, including the one used in the original development of the BM part, have been superseded by visibly shorter OE DPFs.



BM11188H (left) compared to OE part number 173840 (right).

The DPF is designed to slot inside the catalytic converter. A seal is created using a clamp that fastens around the flared outlet of the catalytic converter and the 'v-band' of the DPF. It is therefore necessary for there to be sufficient clearance inside the body of the catalytic converter to accommodate the DPF.



BM80515H OE fully fitted with BM11188H (left) and BM80515H fully fitted with BM11188H OE (right).

KEY FITMENT INFORMATION (GUIDANCE)

The following measurements are approximate/for reference:

- Distance from flared outlet of the catalytic converter to the outlet face of the catalyst brick – 130mm
- Distance required between catalyst brick and DPF brick, to allow for exhaust gas temperature sensor – 20mm

Therefore:

- Internal clearance within the catalytic converter, accounting for sensors – 110mm
- Length of BM11188H/BM11188HP from V-band to inlet end of the part – 100mm

BM11188H/BM11188HP is therefore approximately 10mm shorter than the maximum permissible length.

To ensure correct sensor positioning there must be clearance between the CAT brick and the DPF. Therefore, the length of the DPF means correct fitment into the CAT when installed.

Examples below:



BM11188H with OE catalyst BM80515H shown separately (top), partially seated at the V-band (middle), and fully seated with internal fitment complete (bottom).

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BEFORE REJECTING THE PART

- Confirm the correct DPF and catalyst part numbers have been supplied
- Assess fitment based on internal fitment, not external appearance, as appearance alone is not a reliable indicator of correct fitment
- Ensure the DPF is fully seated into the catalyst at the V-band connection
- Components must not be modified to achieve fit
- Contact BM Catalysts Support before returning the part if uncertainty remains

If you require further assistance, contact our technical support team on +44 (0)1623 663802 or email support@bmcatalysts.com