

FITTING GUIDE

12-BOLT CATALYTIC CONVERTER

Applies to: BM91765H



IMPORTANT SAFETY NOTE: All work must be carried out by a qualified and experienced mechanic or trained vehicle technician. Allow the exhaust system to cool fully before starting any work.

REMOVAL PROCEDURE

1. Remove any intake components that obstruct access.
2. Disconnect any lambda sensor connectors and secure wiring clear of the work area.
3. (IF APPLICABLE) Disconnect the EGR pipework and remove the EGR gasket.
4. (IF APPLICABLE) Unscrew and remove the catalytic converter heat shield(s) to expose the manifold.
5. Remove the front mounting fixings and any support brackets.
6. Support the exhaust and detach the catalytic converter from the remaining exhaust system.
7. (IF APPLICABLE) Release any exhaust hooks or rubber mountings supporting the catalytic converter.
8. Carefully remove the catalytic converter from the engine bay.
9. Inspect all mounting points, heat shields, and lambda sensor threads for damage or corrosion. Clean all contact surfaces thoroughly and replace any damaged seals, gaskets, nuts or bolts.

PRE-INSTALLATION PREPARATION

1. Check all studs are fully seated and secure in the cylinder head.
2. Remove all traces of old gasket material from the cylinder head and front pipe to ensure an airtight seal.

FITTING THE NEW CATALYTIC CONVERTER

1. Fit a new gasket to the cylinder head and position the catalytic converter onto the fixings, loosely fitting the twelve front fixings.
2. (IF APPLICABLE) Loosely attach the support bracket to the engine.
3. Hand-tighten the front fixings evenly following the tightening sequence.

4. (IF APPLICABLE) Secure the support bracket.
5. Attach the rear flange to the front pipe using a new gasket and new fixings (studs / bolts), tightening evenly.
6. (IF APPLICABLE) Refit any exhaust hooks or rubber mountings, ensuring the exhaust system is correctly supported and aligned.
7. Reconnect any pipework, heat shields, lambda sensors and any intake components in the reverse order of removal.

TIGHTENING SEQUENCE

To avoid warping the flange or creating uneven gasket pressure, hand-tighten the nuts in the sequence shown below before applying final torque. This ensures the converter seats evenly against the cylinder head and prevents leaks or premature gasket failure.



FINISHING NOTES

1. Always install new gaskets and self-locking nuts. Tighten fixings gradually in stages to avoid distorting the flange.
2. Do not use exhaust paste in front of a catalyst.
3. After reassembly, start the engine and check for exhaust leaks, confirming proper alignment of all components.

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