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Installation and Technical Guide

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Warranty

Warning :

Failure to comply with these instructions will invalidate all warranty claims.

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Warning

Catalytic converters are a “fitted for life product”. If it has failed there will be a reason for the failure. Unless the cause of the original failure has been addressed and rectified the new unit will also fail. We strongly recommend that a new oxygen sensor be fitted when a catalytic converter is replaced for any reason.

Reasons for failure

Firstly, ascertain the cause of failure of the original catalytic converter.

There are many reasons why a catalytic converter can fail. The most common causes but not limited to are stated below.

Emission related.

- (i) Failure of an emission control device (lambda sensor).
- (ii) Failure of an engine management system component (ECU, Injectors, EMS sensor etc).
- (iii) Basic maintenance (plugs, filters leads) requiring attention.
- (iv) Any engine that is operating “out of tune” can potentially damage a catalytic converter.

Corrosion

Failure of connecting pipes due to corrosion.

Physical damage

The converter has failed as a result of

- (i) Impact either when fitted or road debris.
- (ii) Driving through a flood or ford (thermal quenching) when the converter is at operating temperature.

Exhaust hanger failure

The converter has failed due to physical stress caused by a hanger/mounting failure.

Contamination

A fuel, oil or water additive has been allowed to enter the exhaust/catalyst (head gasket?)

Engine wear

An engine that is operating inefficiently due to general wear (low compressions, burning oil etc) will result in converter failure.

Whatever the fault, once you are confident that the reason for failure has been diagnosed it should be rectified before the converter is renewed.

Failure to do this will result in premature failure of the new converter. The warranty issued by Fuel Parts UK will not cover damage caused by any of the above.

Removing the old converter

Warning, a catalytic converter operates at a higher than normal exhaust temperature and retains its heat for longer. Before removing the old part ensure that it has fully cooled down.

Remove the lambda sensor if it is located in the converter assembly. Caution lambda sensors have a tendency to seize and are easy damaged. Disconnect wiring before attempting to unscrew.

Remove old converter carefully they are often heavier than they look.

Installation Instructions

When fitting the converter follow normal exhaust fitting procedure, but heed the following warnings:

Always use new gaskets/seals/hangers. An air leak into a catalytic converter can cause at best an MOT emission failure at worst premature converter failure. Damage caused by air leaks are not covered by the Fuel Parts UK warranty.

Always replace the exhaust hangers/mountings. Worn mountings can cause undue mechanical stress and premature converter failure. Failures of this type are not covered by the Fuel Parts UK warranty.

Never use an exhaust jointing paste in front (engine side) of a catalytic converter. The chemicals used in the formation of exhaust pastes can have an adverse effect on the chemicals used in the converter and cause premature failure. Failures of this type are not covered by the Fuel Parts UK warranty.

For the above reasons we strongly recommend that a catalytic converter fitting kit is used when a converter is fitted or re-fitted.

Ensure the converter is fitted “the right way round” i.e. the correct direction of flow and heat shield orientation.

Install the [new] lambda sensor, observe the manufactures torque settings, do not over tighten. Reconnect the wiring as necessary.

Check all joints are fully tightened and gas tight.

The catalytic converter is an integral part of the vehicles emission system. For more information and advice on diagnosing faults either download the relevant technical tips leaflet from our web site www.fpak.co.uk or contact our technical bulletin supply line **+44 (0)1527 839393** for a copy.

Ensure that the warranty certificate is fully completed. Insufficient information could delay your claim.

The warranty covers the part against failure due to a manufacturing defect or failure for two years or 20 000 miles. It does not cover failures due to emission, vehicle related faults or physical damage. The warranty shall be deemed void if it is not correctly installed or initialled on a vehicle for which it was designed/catalogued.

Fuel Parts UK warranty shall not cover any damage to the converter caused by the user/installer. Such as, but not limited to, the examples in this booklet.

The warranty shall also be deemed void if the converter has been altered, repaired or damaged by negligence, accident or mishap.

Fuel parts UK assumes no liability for catalytic converter failures relating to engines not operating within original specification, to vehicles with modified exhausts, engines or emission control systems or the use of leaded fuel.

Fuel Parts UK will replace any converter that has failed within the terms and conditions of the warranty providing that is returned to a authorised dealer along with the appropriate receipt of purchase and the correctly completed warranty certificate. Fuel Parts UK reserve the right to ascertain what constitutes proper vehicle operating conditions.

Fuel Parts UK warranty shall not cover any consequential losses due to the failure of a catalytic converter, such as, but not limited to, labour costs, hire cars, loss of earnings etc.

'Running in' the Catalytic Converter

1. Start the engine and check that all the seals/joints are gas tight at a low engine rpm (tickover)
2. Increase engine speed to approximately 2000rpm and maintain this engine speed for a minimum of 20 minutes. This will ensure that the converter is correctly initialised.
3. Check the vehicle emissions are within the manufactures recommended limits.
4. Road test the car for a minimum of 4 miles to ensure that all the seals are gas tight and the exhaust system is clear of the vehicles chassis/body work.
5. It is important that the correct running procedure is followed (see driver information) avoiding short journeys for at least the first 500 miles.



The majority of premature converter failures can be attributed to failures caused by not following the above advice. Failures of this type are not covered by Fuel Parts UK warranty.

Completing the Warranty Certificate

The warranty certificate is designed to cover all the necessary information that is required to ensure that the new converter is not in jeopardy of immediate failure.

It is important to fully complete the warranty certificate as all fields are critical when assessing a converter failure. Failure to do so will affect any future warranty claims.

Please date and sign the warranty form and pass to the customer for safe keeping. You can, if you wish, register your warranty certificate online at www.fpuk.co.uk/technical/warranty.htm Complete the online form with details from the enclosed certificate and click on the send button. Your Warranty will be acknowledged by email.

Contact Information

If you require any further information about this product please call one of the numbers below.

The Technical Support Line..... 01527 835555
The Bulletin Hotline.....01527 839393