



# Driver/ Owner Instructions

## 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 lambda sensor be fitted when a catalytic converter is replaced for any reason.

## Important points

Thank you for choosing a Fuel Parts UK catalytic converter. Your new converter is covered by a two year or 20,000 mile warranty and has been constructed using materials, technology and procedures to ensure that it will provide good service in excess of this time period.

The catalytic converter is an integral part of your vehicles engine emission control system and can be damaged if part of that system fails. The reverse of this flyer includes technical information to ensure the technician fitting your converter has diagnosed the fault that caused your original converter to fail.

The catalytic converter on your vehicle should not have failed, they are generally designed to last the life of the vehicle. If it fails there is always a reason behind this failure.

Please confirm with the fitting station that the correct initialisation procedure, as outlined in this flyer has been followed.

## Looking after your catalytic converter

Catalytic converters are not the same as a conventional exhaust component, where its only enemy is corrosion. It is a component that can easily be affected/damaged by other components. In most cases components within the engine management system.

Your primary concern with preserving the life of your catalytic converter is to ensure that your vehicle is correctly maintained/serviced at all times. Worn service items contribute significantly to the failed converter statistics.

Any misfires, flat spots, poor performance or abnormal running occurrences should be brought to the attention of your garage as soon as they occur, as should the indication of any dashboard warning lights denoting an engine management failure. Ignoring such warnings could seriously damage your catalytic converter.

Short journeys can contribute towards a short catalytic converter life. Unless the vehicle reaches normal operating temperature (not necessarily as indicated by the water temperature gauge) on a journey the converter will become blocked/restricted and lead to premature failure.

Driving through floods/fords with the converter at operating temperature can cause a "thermal shock" situation, leading to premature converter failure.

## What the warranty covers

The Fuel Parts UK catalytic converter two year warranty guarantees the part is free from defect of construction or materials used and is valid from the installation date.

If after inspection the converter is found to be defective Fuel Parts UK will replace it provided that it has been returned to an authorised dealer along with proof of purchase and properly completed warranty certificate. If the warranty claim relates to emission performance, proof of failure of an emission test must be provided. Documentation showing the vehicle's current state of tune is also required. Fuel Parts UK reserves the right to determine what constitutes vehicle's proper operating condition. No other warranty expressed or implied, including

merchantability, applies to the catalytic converter, nor is any person or company authorised to assume any other warranty. Fuel Parts UK does not assume any responsibility for any consequential damages caused by the catalytic converter, or inconvenience or interruption in any operation. Your statutory rights are not effected.

## What the warranty does not cover

The warranty specifically excludes, but is not limited to failures or damage due to Emission faults, either as a result of an incorrectly tuned/maintained engine or as a result of modifications made that allow the engine/vehicle to operate out of normal manufacturing limitations.

Physical damage as a result of direct or indirect impact, quenching or stress due to a mounting related fault.

Faults/damage as a result of fitting/installation errors or omissions.  
Failure due to negligence accidents or mishap.

The warranty shall be considered void If the converter/exhaust system has been modified. Exhaust fitting/sealing paste has been used in the installation or if the converter is not fitted to the correct vehicle, for which it was catalogued/ designed for.

The warranty does not cover any consequential losses that occur as a result of the converter failing, such as , but not limited to labour costs, hire car charges, loss of earnings etc.

An improperly tuned or misfiring engine can allow unburned gasoline to enter the Catalytic converter, causing extremely high temperatures that can result in melted, plugged or broken internal substrates. This situation will void the warranty.

Fuel Parts UK assumes no liability for catalytic converter failures related to engines not operating within original equipment specifications, to vehicles with modified exhaust emission control systems or to the use of leaded fuel.

## Completing the warranty certificate

The warranty certificate is designed to cover all the necessary information that is required to ensure that your 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 could affect any future warranty claims.

You can, if you wish, register your warranty certificate online. Logon to [www.fpuk.co.uk/technical/warranty.htm](http://www.fpuk.co.uk/technical/warranty.htm) Complete the online form with the details from the enclosed certificate and click on the send button.

## 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 839307



To Register Your Warranty Online Visit  
[www.fpuk.co.uk](http://www.fpuk.co.uk)

Fuel Parts UK  
FREEPOST  
MID00344  
Bromsgrove  
WORCS  
B60 3BR

Please return FREEPOST to the above address

Valid only when fully completed including the reason for replacement, installation date, vehicle owner's and installers signatures.

# FuelParts<sup>UK</sup> Installation/ Technical Guide

## 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.fbuk.co.uk](http://www.fbuk.co.uk) or contact our technical bulletin supply line +44 (0)1527 839307 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 initialised 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'

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.**



<p><b>Retailer/installer Details</b></p> <p>Name _____</p> <p>Address _____</p> <p>Post Code _____ Phone No. _____</p> <p>Installation Date _____</p> <p><b>Reason for Replacement</b></p> <table style="width: 100%;"> <tr> <td>Rattling <input type="checkbox"/></td> <td>Noisy <input type="checkbox"/></td> </tr> <tr> <td>Poor Fitment <input type="checkbox"/></td> <td>Corrosion <input type="checkbox"/></td> </tr> <tr> <td>Failed Emissions <input type="checkbox"/></td> <td>External Damage <input type="checkbox"/></td> </tr> <tr> <td>Blowing at welds <input type="checkbox"/></td> <td>Other (state below) <input type="checkbox"/></td> </tr> </table> <p>All faults have been rectified prior to the fitting of the Catalyst. Signed.....</p>	Rattling <input type="checkbox"/>	Noisy <input type="checkbox"/>	Poor Fitment <input type="checkbox"/>	Corrosion <input type="checkbox"/>	Failed Emissions <input type="checkbox"/>	External Damage <input type="checkbox"/>	Blowing at welds <input type="checkbox"/>	Other (state below) <input type="checkbox"/>	<p><b>Vehicle owner Details</b></p> <p>Name _____</p> <p>Address _____</p> <p>Post Code _____ Phone No. _____</p> <p>Date _____</p> <p>Year _____ Make _____ Model _____</p> <p>Engine CC _____ Mileage _____ Registration _____</p> <p>FPUK Invoice/Delivery Note No. _____</p> <p>FPUK Part No _____</p> <p>All faults have been tested/corrected. Signed.....</p>
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