

LAUNCH TECH UK



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Post Combustion

A high build-up of Carbon, unburnt fuels, sticky gums and tars and other contaminants are responsible for many fault codes, especially within the post combustion areas of the vehicle. This is an area of the vehicle which is difficult to service and contamination can be present for years. Generally, the E.C.U. will manage this and only a slight change to the efficiency of the vehicle is the result, until it becomes a running problem. Once an error code is recognised, it is usually a fault with a now inoperative part. The diagnostic device however, does need a clear signal from the vehicle and contamination will often block the reading, so throwing up a ghost fault code or an incorrect code. The following products within this Section will help clear contamination so that a correct diagnosis can be made. All are explained so that the right product can be used.

DPF Gun and Fluid

Poor driving style, a faulty sensor, an air leak in the manifold, corrupt fuel, wrong oil in the vehicle and many other reasons can lead to a full Diesel Particulate Filter. It can be a lengthy task to remove the filter and it must be cleaned before a clear diagnostic code reading can take place if investigating a fault. There will probably be a reason why the DPF has filled and not regenerated as it should in day to day use.

Launch Tech UK have sourced a DPF Cleaning Tool and Cleaning Fluid to help garages clean a blocked or partially blocked filter in situ. The Tool is designed to remove contamination whilst the vehicle ticks over, clearing contaminants so that a forced regeneration can take place and allowing the diagnostic tool to read the vehicle.

Why Use This LAUNCH TECH UK Product?

Removing a DPF from a vehicle can be time consuming and costly to the customer. This tool can be used to firstly try and clean the unit on car. Many DPF issues are due to another cause and usually once this cause has been traced the DPF once cleaned will operate correctly.



DPF Flow Restorer

Some modern driving conditions and driving styles can lead to a build-up of Carbon and other contaminants in the Diesel Particulate Filter. DPF Flow Restorer when simply added to the diesel fuel will clear away contamination. This aids normal regeneration during day to day running, keeping the system clean and the vehicle at its best efficiency. It is particularly suitable for a vehicle that is used for generally short journeys and high amounts of traffic/city driving conditions.

This product should be used on a regular basis to prevent the build-up of contaminants. Every three months or 4000 miles is ideal, but twice a year is common.

If a blocked DPF is cleaned with the DPF Gun, this product should be added to the vehicle fuel to complete the cleaning process.

Why Use This LAUNCH TECH UK Product?

Prevention is better than cure, when talking about running vehicles with DPF's in place. Short driving cycles will often build up contaminants and city type driving will not allow the DPF to get to regeneration temperature. This Launch Tech UK product will clear a DPF without the need for the vehicle to regenerate, by lowering the required burn temperature of the contamination within the DPF.



Turbo, EGR, Cat and DPF

This product has been designed to clean contaminants through all post combustion areas. It will clean and prevent the build-up of Carbon sticking to the turbocharger, lubricating the variable geometry turbo's, which can lead to turbo boost problems if not regularly treated. The Exhaust Gas Recirculation Valves and Coolers are often full of Carbon and the product will clean on car and prevent a high build-up, so avoiding damage to a usually expensive part. The product will clean through the DPF to make sure that the system is able to operate correctly.

The product can be used on any diesel, petrol or hybrid. Petrol catalyts can be cleaned as well as oxygen sensors and the entire post combustion areas on a petrol vehicle.

The product is very good at bringing down high emissions and ensuring a clean efficient burn.

Application

The product can be applied to any amount of fuel in the fuel system. It will work best when mixed in around half a tank to a tankful of fuel. 400ml is sufficient for a one vehicle application. The product is best used regularly, 6 monthly or even 3 monthly if possible to keep contamination down to minimum levels.

Why Use This LAUNCH TECH UK Product?

Modern vehicles are building up high amounts of Carbon and other contaminants, within the exhaust and all working parts post combustion. Issues, after the vehicle has been run for many years are caused by this contamination. Diesel turbo and EGR related problems are common as well as contaminated DPF's and petrol catalytic convertors. This Launch Tech UK product is the modern-day service product that will clear high amounts of Carbon in normal running conditions.

Fuel System and Injectors

Fuel systems from tank to injector are susceptible to contaminants, mainly sticky gums and tars that come out of the stored fuel, before the combustion process takes place. Traditional injector cleaners have been used to combat this and many formulations are available.

Many new factors must be considered and a more modern fuel system demands a more modern product. For instance, modern diesels have a DPF filter. Older type diesel treatments contain a lubricant which lubricates the high pressure pump and system. This lubricant often does not burn in the combustion process and can have a detrimental effect when it burns in the DPF, causing more ash to form.

Launch Tech UK have researched and sourced two treatments, for both petrol and diesel vehicles, which can be used to safely remove contamination, restore injector spray patterns and lubricate the system without any adverse effects. Injector fault codes are common and these products can be the first thing to try, when identifying a cause, clearing contamination so that a fault can be correctly diagnosed.

Petrol System Performance Plus

Blocked and contaminated fuel injectors are common in petrol engines which can lead to fault codes. It is vital to make sure that the system is clean so that a correct diagnosis of a fault can be made.

Petrol System Performance Plus will clean from tank to injector. Blocked injectors will affect the spray pattern and atomisation of the fuel. This leads to excessive un-burnt fuel which will burn in the catalytic convertor, sometimes poisoning the cat. and wasting more fuel through the exhaust. Cleaning the entire fuel system will bring down emissions and is highly recommended on every service to ensure correct and trouble-free running.



Why Use This LAUNCH TECH UK Product?

This Launch Tech UK product is fully combustible and is designed to clean from tank to injector. It is very effective at cleaning and will bring down high emissions fast if due to blocked injectors. It is a blended product to clean both hot and cold. Many other petrol system cleaners contain only detergents and this affects their performance, especially with modern day direct injection.



Diesel System Performance Plus

Modern common rail diesel systems use exact timing and quantities of fuel. Contamination within the system will lead to a lack of performance. A quality lubricant for the system is also important but this must be a no ash formulation as lubricants can have a detrimental effect within the DPF.

Diesel System Performance Plus is designed to clean and lubricate the entire fuel system, restoring lost performance and efficiency. It is suitable for all diesel systems. It is a first use product when any fuel related fault codes are present.

Fault codes for diesel systems are common and many can occur. Using Diesel System Performance Plus will eliminate the possibility that the fault code is present due to contaminants in the system, helping the technician to make a right first time diagnosis.

Why Use This **LAUNCH TECH UK** Product?

Many older type diesel treatments can cause contamination in modern vehicle DPF systems. The lubricants used do not burn within the combustion chamber and instead will cause ash in the DPF. This can affect many vehicles that are driven in city type driving conditions. This modern diesel product is very effective at bringing down emissions and its no ash formulation is much more suitable for modern vehicles.

Engine Oil System

With modern vehicles and extended oil service intervals, the Engine Oil System can become quite troublesome and cause many related faults and fault codes. Emissions, catalytic convertors, DPF's and EGR recirculation systems can be severely contaminated by older or wrong type oil. Restricted air flow, high amounts of Carbon deposits and emulsified oil can restrict the ECU from performing correctly, so resetting and not receiving clear messages from contaminated sensors.

Other related problems like a high build-up of acid in the oil, created by blow by gases cause the oil to break down and this must be neutralised so that the new oil can perform correctly.

Launch Tech UK have developed two treatments, one that will clean and neutralise the sump area and another that will treat oil, strengthening the additive pack.

Advanced Engine Flush

Designed to clean lubricate and neutralise acid, Launch Tech UK Advanced Engine Flush can be used on any petrol, diesel or hybrid. Gums and tars that are released from the oil during normal operation will contaminate a sump area including tiny oilways and hydraulic lifters. This product will clean and clear contamination. Old oil left in the sump area during the oil change can be very acidic and will attack the new oil as soon as it is filled. Acidic oil is neutralised upon application which will ensure that the new oil will last another service period.

Variable Valve Timing can also be affected by contamination and fault codes that are related to it suggest that the system should be investigated. Often contamination is the cause and a good quality flush and oil change is required.

Application

This product is applied to the sump oil and the engine ticks over for 10 to 20 minutes. The product, 400ml, will treat up to 6 litres of oil. The sump is drained in the normal way once the operation has taken place.

Why Use This LAUNCH TECH UK Product?

The product has been designed for the most modern engines and does not contain any harmful Chlorinated Paraffins. It is very effective at neutralising acid. This product is best used as a service item as well as curing potential problems. After use the new oil will stay cleaner for longer.



Oil Performance Enhancer

The additive pack in many oils can struggle to survive extended oil service intervals. Oil Performance Enhancer can be used to revitalise an oil mid service or as an additive to boost the properties of the oil additive pack. The product will keep the system clean and boost the strength of the oil, holding its grade when the oil is put under extreme pressure. It will not alter the viscosity of the oil allowing it to work as it should, but will help the oil to hold its grade at differing temperatures.

Using this product, whilst adding it to older oil can eradicate lifter rattles and help the flow of oil through the entire system. In new oil it will strengthen the additive pack, helping the oil to last through an extended interval.

Why Use This **LAUNCH TECH UK** Product?

Many oil additives contain products that can detract from the oil if left in longer term. Some popular ones use solids within a liquid base that can have detrimental long term effects. This Launch Tech UK product, treats the oil only and will be removed when oil is changed. It is very effective and a quieter smoother running engine is often noticeable.



Other Products

Other products covered within the Launch Tech UK range of chemicals are available. We are committed to extending the range, offering complete solutions for contamination issues across a broad spectrum of related problems. Coolant System Stop Leak is a product developed to not block the system and although it is very effective at curing leaks, it is also vital that it does not cause a long problem by blocking up the cooling system. The Launch Cat 501S ATF flushing device has two related products that are used within the automatic transmission. These already popular products are available and are covered within this section.

Automatic Transmission Flushing Fluid

Recommended for use with the Launch CAT501S ATF flush and exchanger it is just as effective in similar equipment with a flush cycle.

Launch ATF flush is compatible with all transmission fluids and is effective at dissolving sticky gums and tars found throughout the transmission assembly, including valve bodies and mechatronic units.

ATF flush is also effective at removing debris formed from powdered metallic particles. It achieves this with a gentle action, which ensures all particulates are fully transported in the fluid prior to exchanging so no contaminants remain within the transmission.

Why Use This LAUNCH TECH UK Product?

Launch Cat 501S ATF Flush and Exchanger, is the U.K.'s number 1 choice of professional workshops, when choosing a fluid exchanger. We have dedicated professionals who have sourced the best Flushing Fluid, to complement our quality machine. Engine flush should never be used within an ATF system as it will have adverse effects.



Automatic Transmission, Conditioner, Care & Protect

Is compatible with all modern AT fluids. Today's 7, 8 and 9 speed transmissions place huge demands on the many tasks AT fluid is responsible for.

Sophisticated additive packs are mixed with high quality base oils to create fluids bespoke to different manufacturers.

Launch automatic transmission conditioner will strengthen additive packs assisting the AT fluid to operate effectively throughout its life cycle, ensuring smooth and judder free shifting.

Why Use This **LAUNCH TECH UK** Product?

Our experience with AT systems has resulted in a product designed to enhance and assist the recommended AT fluid.



Cooling System Stop Leak

This product is designed to seal a leaking cooling system as a temporary measure, but can be used as a preventative. It is highly effective at sealing leaks, but is designed to be completely removed with the coolant so it will not block the system when a permanent repair can be made. It contains a lubricant to help lubricate the pump.

Why Use This **LAUNCH TECH UK** Product?

Many cooling system sealants offer what is called a permanent repair. This often leads to blockages or restrictions within the system and can have a detrimental effect. This product will not block the system and can be safely removed. When used as a preventative, it will work within the coolant and stop very small leaks before they become a running problem.

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