

ZF – the transmission parts experts

As an expert in transmission parts, ZF Aftermarket supplies all the components needed for an oil change. From ZF Lifeguard Fluid transmission oil to oil change kits – every component is designed to be perfectly compatible with the relevant transmission. To support this, through the ZF [pro]Tech initiative, in-depth training courses are available to help technicians increase their knowledge across the field.

Courses are available ranging from how to carry out an oil change and how the different transmissions operate, through to training on high voltage systems – as oil changes on hybrid transmissions must only be carried out by experts qualified to work on high voltage systems. Furthermore, priding itself on being a full service supplier, product brochures and other marketing collateral have recently been updated. These are now supplied with a handy QR code which can be easily scanned with a smart phone and will take the user straight through to the website to find out more information. The new collateral includes an eye-catching poster and dynamic wall banner which all provides comprehensive expert knowledge to ensure that any oil change goes smoothly.

Less wear – longer service life

Demands on modern cars have increased – which means that automatic transmissions and transmission oil have

to meet them, too. Oil is now used as a component whose properties ensure that transmission components perform at their best. That's why ZF develops transmission oils alongside transmissions, and adapts the former very specifically to the latter's requirements.

Optimising the transmission performance

Such parts are subject to wear and tear and strongly depend on the operational conditions. So in order to optimise service



life and performance, ZF Aftermarket recommends regular checks and, where necessary, transmission oil changes too. This is particularly advisable for operating conditions with high temperatures and loads such as heavy cargo or trailer operation. Shorter change intervals are also advisable for many journeys at high speeds, very sporty driving or unknown vehicle use in the past.

Using the wrong oil can prove to be a very expensive mistake

Using an incompatible oil can lead to serious problems sooner or later such as higher fuel consumption, shift problems or long-term issues such as corroded friction disks, oil pump damage or corroded electronics. Oil that is contaminated, e.g. by a fault in the transmission cooling circuit, can lead to irreparable damage. So it's advisable to test oils for cooling water after draining them. An incorrect oil level can result in damage to the gear unit, which will show as chipped metal. Prevent this by changing the transmission oil and checking both the oil level and condition in good time. A regular oil change is the best way to ensure a correct oil level. The cycles for the transmission oil change depend strongly on the transmission design and layout in the vehicle as well as on the load and environmental conditions. Always refer to VM service instructions.

Everything in one expert package

ZF has long been the leading vehicle transmission manufacturer with its units being used in a host of models. In addition, ZF also offers fully compatible oil change kits for other manufacturers' units.

ZF kits out the Aftermarket

ZF oil change kits for automatic passenger car and LCV transmissions offer faster, simpler oil changes without compromising on quality. They include everything you need for an oil change based on the transmission type – for example, magnets, filters or a plastic oil pan with an integrated oil filter and seal, fastening screws and a screw plug. Optionally, the matching transmission oil ZF LifeguardFluid

is already included in many kits.

Ready for the future of mobility

All roads lead to electric driving and electromobility is the hot topic in the automotive industry, and it will only gain more momentum. Hybrid technology combines the advantages of a conventional drive with the strengths of an electric motor, which makes it a very appealing option for many motorists. With this taking on more and more importance in the workshop, ZF Aftermarket supports this with its range.

Caution

Due to the electric drive, work on a hybrid transmission can involve voltage peaks of up to 1,000 V. Consequently, regulations for the prevention of accidents require a specific qualification in order to work on vehicles with high voltage systems. Even after the high-voltage system has been shut down, all work may only be carried out by trained personnel. For all non-electrical work, instruction according to DGUV Information 200-006 is recommended. This also applies to all non-electrical work carried out on the high-voltage vehicle, such as changing oil or tyres.

New technologies require new competencies

You can be fit for e-mobility with ZF's high-voltage trainings. In order to meet the new requirements for hybrid or electric vehicles, through the ZF [pro] Tech initiative, ZF Aftermarket offers sound training and further education in the field of electric mobility in accordance with the specifications of the Employer's Liability Insurance Association.