



COMPETITION

BEDIENUNGSANLEITUNG - NOTICE D'UTILISATION - OPERATING INSTRUCTIONS



512.5095

-  Universal Getriebeöl-Füllsystem-Satz mit 15-tlg Adaptersatz
-  Dispositif de remplissage et de vidange d'huile de transmission avec adaptateurs, 15 pcs
-  Universal transmission oil filling system set incl. 15 pcs adapter set
-  Sistema de llenado de aceite de la caja de cambios con juego de adaptadores de 15 pzs
-  Sistema di riempimento olio del cambio con serie di adattatori da 15 pz
-  Universal-gearolie-påfyldningssystem med 15 dele, adaptersæt
-  Zestaw do napełniania oleju skrzyni biegów z 15-szt adapterami
-  Vul- en aftapsysteem voor versnellingsbakolie met 15 delige adapterset
-  Универсальный комплект для заливки трансмиссионного масла, с комплектом адаптеров из 15 шт
-  نظام تعبئة زيت نقل الحركة الشامل، مزود بطقم محولات مكون من 15 قطعة

DE/TTE/HBA/09-01-2026

KS Tools Werkzeuge und Maschinen GmbH • Seligenstädter Grund 10 –12 • 63150 Heusenstamm - GERMANY
e-mail: customerservice@competitiontools.com • www.competitiontools.com

KS Tools • PDA Région de Brumath • 1, rue de Londres • 67670 Mommenheim - FRANCE
e-mail : contact@competitiontools.com • www.competitiontools.com



Introduction

Dear Customer,

You have chosen a product from KS Tools. Thank you for your trust. This manual contains all the information you need for the safe and proper use of the product. Please therefore read the instructions thoroughly before use and always follow the guidance provided therein. These instructions form part of the article and should therefore be kept in such a way that they remain undamaged.

If you have any queries or require further information, please contact:

customerservice@competitiontools.com

1. Terms of use

The device described here is designed for the controlled filling of gearboxes, transfer boxes and differentials. The various shapes of the filler pipes and screw-on adapters ensure access to a wide range of vehicles, even in hard-to-reach areas.

Use only oils up to viscosity grade SAE 140. The manufacturer accepts no liability for personal injury or damage to property resulting from unauthorised or improper use.



Please follow the vehicle manufacturer's instructions!

2. Technical specifications

Capacity: 7.5 litres

Hose length: 160 cm

Hose diameter: 1/2"

Viscosity grade: up to SAE 140

Filling capacity/stroke: 80cc

3. Contents of the package

The gearbox oil filling system is supplied in a shipping box containing the following parts:

1x main unit, complete with hose

1x union nut with cone and seal

1x pump lever

1x set of small parts for pump lever mounting

1 box containing an adapter set, 23 pieces

Before use, please check that the entire delivery is complete and that there is no damage caused during transport.



3.1 List of adapters

Item no.	Image	Name
ATF-101		Straight fibreglass filling adapter for Ford 1/8" - 27 NPT
ATF-102		Fibreglass filling adapter, 15° angled, universal
ATF-103		Short fibreglass filling adapter, 29° angled, for VAG
ATF-104		Long fibreglass filling adapter, 29° angled for VAG and Porsche
ATF-105		Straight fibreglass filler adapter for VAG, BMW and Mini M10 x 1.0
ATF-106		Fibreglass filling adapter for Mercedes 722.9 gearbox, M12 x 1.5
ATF-107		Fibreglass filling adapter for VAG DSG M24 x 1.5
ATF-108		Fibreglass filling adapter for VAG CVT M22 x 1.5
ATF-109		Fibreglass filler adapter for Škoda M18 x 1.5
ATF-110		Fibreglass filler adapter for VAG and Škoda M30 x 1.5



Item no.	Image	Name
ATF-111		Flexible fibreglass filling adapter, universal, 300 mm
ATF-112		Straight fibreglass filling adapter for Volvo 5/16" - 24 UNF
ATF-113		90° angled fibreglass filler adapter for Toyota and Lexus, M18 x 1.5
ATF-114		Straight fibreglass filler neck adapter for Nissan and Infiniti M8 x 1.0
ATF-115		90° angled fibreglass ATF filling adapter for the VW Passat and Tiguan

4. Safety and usage instructions

Tools must generally only be used for their intended purpose, under the specified conditions and within the limits of their intended use.

Check the condition of the tool regularly and replace any damaged parts.

Always keep moving parts clean and well-oiled. Proper maintenance ensures that the tool remains in good working order and has a long service life. Before use, familiarise yourself with the correct way to use the tool in question, taking into account the necessary safety precautions.

If there is the slightest uncertainty regarding any of the points mentioned in the operating instructions, you should contact the manufacturer for advice.

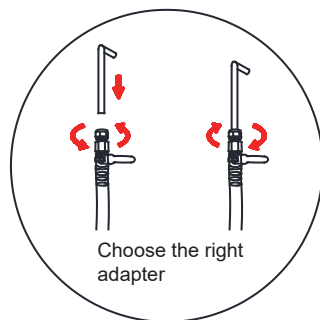
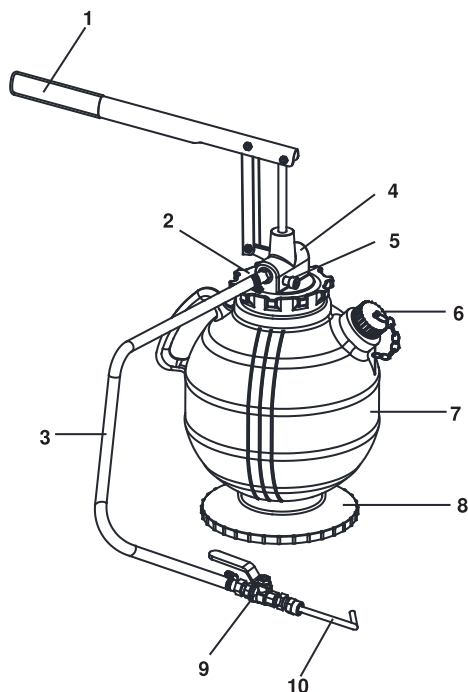
Before use, make sure that the tool is in perfect working order.

Always wear the protective equipment required by the accident prevention regulations (UVV)!



5. Assembly

Remove all parts as described in the scope of delivery – position the pump lever correctly on the pump (see diagram), fit it using the bolts and washers, and secure it with the split pins. Slide the union nut, together with the conical and flat gaskets, onto the appropriate filling tube and insert this assembly into the socket on the filling tap. Once the cap nut has been tightened, the device is ready for use.



1	pump lever
2	cap
3	transparent tube
4	pump
5	Oil control rod
6	spout opening
7	liquid container
8	container base
9	Valve
10	adapter tube

6. User manual

Before commissioning the gearbox oil filling system, a visual inspection must be carried out to check for leaks, damage, loose parts or missing components.

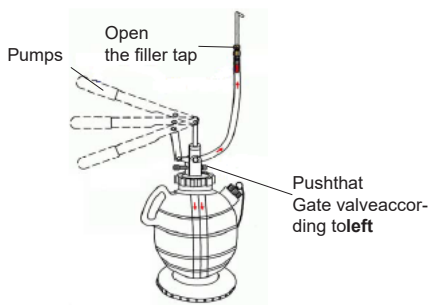
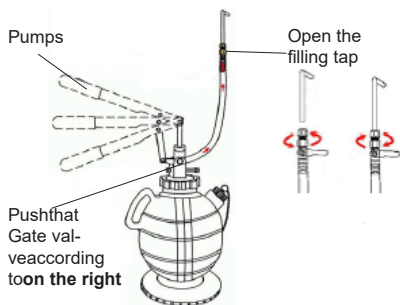
Step 1:

- Choose the right adapter
- Open the fill valve and press the Gate valve to the right
- Start pumping now



Step 2:

- If the pump lever is difficult to operate and the car's gearbox is almost full, push the slide valve to the left and continue pumping slowly

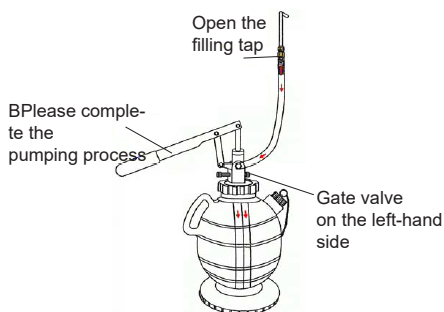
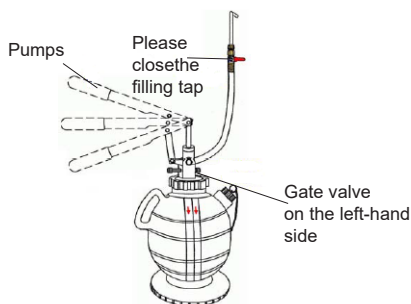


Step 3:

- Once the gearbox is completely filled, stop pumping and close the filler tap

Step 4:

- Remove the adapter from the gearbox and lift the hose over the fluid reservoir. Then open the fill valve and allow the remaining oil in the hose to flow back into the pump's reservoir



6.1 Application using a VAG DSG gearbox as an example (for the Audi A3 2.0)

Please note: Follow the manufacturer's instructions

- The gearbox oil temperature must not exceed 50 degrees
- Drain the old gearbox oil via the oil drain plugs
- Unscrew the overflow/fill pipe from the drain shaft (8 mm Allen key)
- Drain off any remaining oil



- Screw the overflow/fill pipe back in as far as it will go (tightening torque 3 N•m)
- Screw the appropriate VAG DSG screw-in adapter 150.9268 (with pipe connection) into the thread of the oil drain plug
- Pour gearbox oil (approx. 5.5 litres – follow the manufacturer's instructions) into the pump reservoir
- Slide the shut-off valve onto the VAG DSG screw-on adapter with pipe connection at the gearbox and tighten the union nut
- Open the shut-off valve and slightly overfill the gearbox with oil by pumping
- Unscrew the VAG DSG screw-in adapter and screw in the original oil drain plug (Note: (Any excess oil should be allowed to drain off)
- Press the brake – start the engine – move the automatic gear selector to each position for 3 seconds – then return it to 'P' and let the engine run
- When the gearbox oil temperature reaches approximately 45 degrees, check the gearbox oil level again and top up if necessary

7. Maintenance

The Master gearbox oil filling system should always be kept clean.

- All threads must always be kept clean and lubricated regularly
- Please note: Screw connections should always be tightened by hand only
- Do not pour in hot oil!
- Before applying load to individual threads, ensure that there are sufficient threads in engagement
- Do not leave the gearbox oil filling system outdoors and keep it away from corrosive chemicals
- Use is limited to conventional gear oils up to SAE 140 viscosity (no Pentosin)
- Faulty or defective spare parts can cause damage

8. Control

Before each use of the master gearbox oil filling system, a visual inspection must be carried out to check for damage, loose, missing or worn parts and to replace them if necessary.

Any part suspected of having been overloaded must be taken out of service immediately and replaced.

The manufacturer accepts no liability for personal injury and/or damage to property resulting from the improper use of the master gearbox oil filling system. All operators must read this user manual before putting the device into operation



9. Disposal

The gearbox oil filling system is supplied in a cardboard box. The packaging material must be disposed of in accordance with the relevant local regulations.

The gearbox oil filling system must be disposed of or recycled in accordance with the relevant national legislation.

10. Warranty and Service

The KS Tools Werkzeuge und Maschinen GmbH warranty applies to all tools used under normal operating conditions.

The following are excluded from the warranty:

- Consumables, e.g. all types of cutting tools, grinding inserts and discs, cutting and scraping tools, brooms, brushes, files, batteries, rechargeable batteries, bits or bit sockets, rotor blades in pneumatic tools, insulators on heating coils, all types of fuses, carbon brushes, etc.
- Malfunctions of parts subject to wear and tear resulting from use or other natural causes, as well as defects in the tool attributable to wear and tear resulting from use or other natural causes.
- Defects in the tool resulting from failure to follow the operating instructions, improper use, use under abnormal environmental conditions or inappropriate operating conditions, overloading, or improper maintenance. This also includes damage to tools caused by the use of accessories or other parts that are not genuine KS Tools parts.
- Tools to which changes or additions have been made.
- Minor deviations from the specified quality, which are, however, of no significance to the value and serviceability of the tool.

The warranty period is 12 months in the case of commercial use or use of a similar nature. The warrantyThe warranty period begins on the date of purchase by the commercial end customer. The date on the original receipt is decisive. For technical products covered by a limited warranty (Types A, B and C), the user must always provide proof of purchase, stating the serial number of the device, if available.

The warranty is valid, subject to the type of warranty, for the period specified in the price list valid on the date of purchase of the product.

WARRANTY STATEMENT

If the product is not covered by the warranty (due to the warranty period having expired or exclusion from the warranty for the reasons listed above), but repair is possible, it will only be carried out once the user has approved the quote.

Any claims other than the right to have defects rectified, as set out in this warranty, are expressly excluded from this warranty.



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KS TOOLS Werkzeuge und Maschinen GmbH

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GERMANY

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