



General instructions / Safety instructions

State-of-the-art

This tool represents state-of-the-art technology. To ensure the functionality of the equipment, it must be operated in a proper and safe manner.

Technical modifications

In the interests of quality assurance, we reserve the unrestricted right to apply technical modifications arising out of further developments in technology and product improvements without prior notice.



CAUTION

Risk of property damage and personal injury

Use of the tool by personnel who have not undergone the requisite training and instruction is prohibited. The tool must not be lent to untrained personnel.

Ensure that the tool is only operated by trained personnel instructed in its use.

Qualified personnel

Trained and instructed personnel have specialized training that enables them to repair/maintain the respective vehicles and vehicle components.

Work on high-voltage systems may only be performed by high-voltage technicians/high-voltage experts or by professionals with equivalent or higher qualification.

In addition, these workers must have documented proof that they have taken part in further training that qualifies them specifically for the tasks to be performed with the tool.



Follow the repair guide for the vehicle model in question to ensure proper use.



Machinery, equipment and their components must be disposed of as prescribed by the laws, regulations and other provisions of the country in which they are located.

We recommend using licensed specialist companies for disposal.



The modules and units have been developed to be environmentally compatible and suitable for recycling. According to EU Directive 2000/53/EC, these parts must be taken to an authorized collection point.

The manufacturer does not promise to take back electrical equipment modules and units, complete electrical devices, or batteries free of charge.

Explanation of symbols



Follow manual



Warning!
General source of danger



Protective insulation



Observe the general information



High voltage!
Danger to life!



Product certificate
<https://www.tkrgroup.com/vas-671-007-cert.htm>



Intended use

Adapter cable set VAS 671 007 is used for diagnosing self-sustaining high-voltage batteries in the vehicle network. High-voltage extension cables VAS 671 007/2 and VAS 671 007/3 are used to perform the „Prepare for operation“ functionality check after repair of the HV battery system.



Adapter cable set VAS 671 007 may only be used for HV applications that have been approved by the VW Group.



Follow the repair guide for the vehicle model in question to ensure proper use.

Technical data

VAS 671 007	
Ambient temperature (operation)	0 °C to +50 °C / +32 °F to +122 °F
Ambient temperature (storage)	-20 °C to +60 °C / -4 °F to +140 °F
Maximum application height	2000 m
Ambient humidity	To 85 % (non-condensing)
Protection	IP 20
Pollution degree	2
Measurement category	CAT I*, CAT II**, CAT III***

* Measurements on circuits that have no direct connection to the network (e.g. battery operation, vehicle electrical system)

** Measurements on circuits that have a direct connection to the low-voltage network via a connector (e.g. portable electrical devices)

*** Measurements within the building installation (e.g. stationary consumers with non-pluggable connection, distribution connection, sub-distribution)

Maintenance

Cleaning

Adapter cable set VAS 671 007 is maintenance-free, except for occasional cleaning with a dry, lint-free cloth.

Service

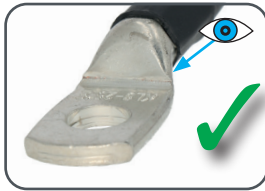
No service activities need to be performed.



VAS 671 007/4



1.



Technical data

I _{max}	200 A
U _{max}	0 V ---

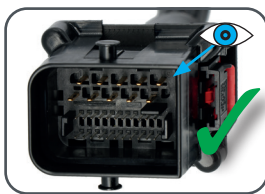


2.

VAS 671 007/1

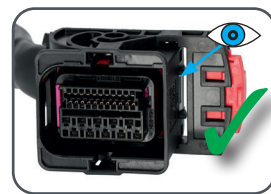


3.



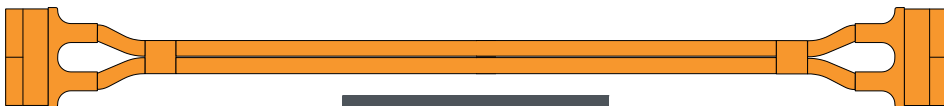
Technical data

I _{max}	3 A
U _{max}	60 V ---

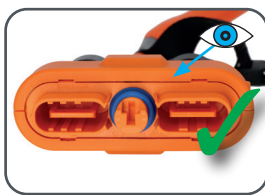


4.

VAS 671 007/2

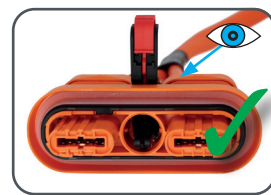


5.



Technical data

I _{max}	100 A
U _{max}	1.000 V ---
CAT I	1000 V DC
CAT II	600 V DC
CAT III	300 V DC

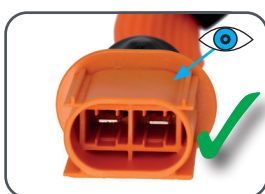


6.

VAS 671 007/3

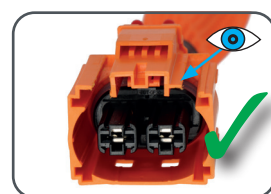


7.



Technical data

I _{max}	55 A
U _{max}	1.000 V ---
CAT I	1000 V DC
CAT II	600 V DC
CAT III	300 V DC



8.



Scope of supply



Pos. Nr.	Article number	Description	Qty
1	VAS 671 007/1	Low-voltage extension (Diagnostics cable ID3)	1
2	VAS 671 007/2	High-voltage extension (MEB class 5)	1
3	VAS 671 007/3	High-voltage extension (MEB class 2)	1
4	VAS 671 007/4	Ground cable	1
5	VAS 671 007/5	Hanger	2
6	VAS 671 007/6	Case	1
7	DOK-VW-10000005	Owner's Manual	1

Spare part list

Article number	Description
VAS 671 007/5	Hanger

Service address **TKR Spezialwerkzeuge GmbH**
 Service
 Am Waldesrand 9-11
 D-58285 Gevelsberg (Germany)

Service e-mail **support@tkrgroup.com**



Online Service
www.tkrgroup.com/service



EU Declaration of Conformity

For the purposes of the Low Voltage Directive 2014/35/EU
and the Electromagnetic Compatibility (EMC) Directive 2014/30/EU

Tool type: Adapter cable
Model: VAS 671 007/1, VAS 671 007/2, VAS 671 007/3,
VAS 671 007/4, VAS 671 007/5
Serial number range: Each 00001–10000

Has been developed and designed in accordance with
the standards and guidelines specified below by

Manufacturer: **TKR Spezialwerkzeuge GmbH**
Am Waldesrand 9–11
DE-58285 Gevelsberg

**Person authorized to compile
the technical documents:** Thorsten Weyland

**We hereby declare in our responsibility as the manufacturer that the indicated
product complies with the following directives of the European Parliament and the
European Council insofar as they apply to the product:**

Directives: Low Voltage Directive 2014/35/EU
Electromagnetic Compatibility
(EMC) Directive 2014/30/EU

Harmonized standards: German Product Safety Act (ProdSG)
Safety requirements for electrical equipment:
EN 61010-031:2015
Electromagnetic compatibility (EMC):
EN 61000-6-2 (2005)
EN 61000-6-3 (2007)

Place and date: Gevelsberg, February 15, 2020

Signature: *Thorsten Weyland*

Thorsten Weyland
Technical Director