

No.

**Amendment to the Directive on the
minimum requirements for the
construction or equipment of
breakdown assistance vehicles**

StV 22/7341.1/40-00

Bonn, [date]

I hereby announce the ‘Amendment to the Directive on the minimum requirements for the design or equipment of breakdown assistance vehicles’ (Section 52(4)(2) of the StVZO [highway code]).

The ‘Directive on the minimum requirements for the design or equipment of breakdown assistance vehicles’ (VkBl. 2020, Issue 17, No 135, p. 550, of 15 September 2020) is hereby repealed. In doing so, the extent of the equipment has been aligned with the type of broken down vehicle (car, truck), and the storage space available in the breakdown assistance vehicle has also been taken into account. In addition, the items of equipment are now listed in tabular form. Since the proportion of electric vehicles and the associated number of breakdowns is currently low, it is not yet possible to provide well-founded information on the special tools required in these cases. For this reason, a revision of the Directive may be needed again in the coming years.

Federal Ministry of Transport and Digital Infrastructure

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**Amendment to the Directive on the minimum requirements for the construction or equipment of
breakdown assistance vehicles**

Breakdown assistance vehicles within the meaning of Section 52(4)(2) of the StVZO shall be recognised as:

- 1 Tow trucks
- 2 Recovery vehicles
- 3 Vehicles with the appropriate equipment primarily to remedy technical faults on site
- 4 Vehicles with the appropriate equipment primarily for fixing flat tyres on site

Recognition requirements

- Re 1: Recognition according to Section 2(17) of the FZV [Fahrzeug-Zulassungsverordnung - vehicle authorisation regulation] as a self-propelled work machine. The guidelines for the assessment of tow trucks (crane trucks) as work machines from 9.6.1967 (VkBl 1967 S 394) apply here
- Re 2: Motor vehicles for the (removal) transport of damaged or broken-down vehicles with technical equipment for lifting these vehicles (e.g. cable winch or loading crane)

Re 3: The equipment of these motor vehicles shall include at least the items referred to in points (a), (b11), (b21), (b31) and (b41) of the table.

Re 4: The equipment of these motor vehicles must include at least the items referred to in points (a), (b12), (b22) and (b32) in the table; in addition, an appropriate transport space for the tyres to be replaced must be available in the respective event of flat tyres of vehicles > 3.5 t GVW¹.

Table of equipment of the vehicles referred to in 3 and 4:

No.	Type of breakdown assistance vehicle	Equipment for use with accident vehicles	
		≤ 3.5 t GVW ¹⁾	> 3.5 t GVW ¹⁾
a	Equipment for securing the accident or work site		
	Breakdown assistance vehicles ≤ 3.5 t GVW ¹⁾	<ul style="list-style-type: none">- 2 Wheel chocks- 1 Warning flag, white-red striped- 3 Warning triangles- 3 mobile warning lights in accordance with Section 53 a(1) of the StVZO or portable flashing indicator lights according to Section 53 b(5) sentence 7 of the StVZO- 5 fully reflective (folding) traffic cones according to DIN EN 13422:2020, 500 mm high. The (folding) traffic cones must have a red base body and correspond to the sign 610 of the Road Traffic Order. They must meet the requirements of DIN EN 13422:2020 and thereby meet the requirements of the following classes: Form class S1, weight class W2 or W3, daytime visibility luminance class LB, minimum retro-reflection value class R2, at least class RL2 for retro-reflection luminance coefficient R_L, relative luminance distribution of class L_{rel2}, retro-reflective value in wet condition class WT1. Alternatively, instead of class R2 and RL2 according to DIN EN 13422:2020 for folding traffic cones, the performance requirements for retro-reflective material according to section 6 of DIN EN ISO 20471:2017 can be demonstrated.	
	Breakdown assistance vehicles > 3.5 t GVM ¹⁾ and all vans	<ul style="list-style-type: none">- 2 Wheel chocks- 1 Warning flag, white-red striped- 3 Warning triangles- 5 mobile warning lights according to Section 53 a(1) of the StVZO or portable flashing indicator lights according to Section 53 b(5) sentence 7 of the StVZO- 10 fully reflective (folding) traffic cones according to DIN EN 13422:2020, of which at least 5 traffic cones 750 mm high and the remaining traffic cones at least 500 mm high. The (folding) traffic cones must have a red base body and correspond to the sign 610 of the Road Traffic Order. They must meet the requirements of DIN EN 13422:2020 and thereby meet the requirements of the following classes: Form class S1, weight class W2 or W3, daytime visibility luminance class LB, minimum retro-reflection value class R2, at least class RL2 for retro-reflection luminance coefficient R_L, relative luminance distribution of class L_{rel2}, retro-reflective value in wet condition class WT1. Alternatively, instead of class R2 and RL2 according to DIN EN 13422:2020 for folding traffic cones, the performance requirements for retro-reflective material according to section 6 of DIN EN ISO 20471:2017 can be demonstrated.	
b	Equipment for repairing flat tyres		
	Tool		
b11	all	<ul style="list-style-type: none">- 1 each of mandrel, centre punch and chisel- 1 each of ignition file, flat file, semicircular file and round file- 1 Set of open-end spanners (spanner sizes 6 – 22)- 1 set of ring spanners (spanner sizes 6 – 22) straight and cranked- 1 Set of socket spanners (spanner sizes 6 – 22)- 1 Set of Allen keys (spanner sizes 4 – 10)- 1 Wheel spanner or wheel nut spanner for standard wheel nut sizes- Spark plug spanner or socket spanner inserts (spanner sizes 14, 16, 18 and 21)- 1 Magnet on flexible extension	<ul style="list-style-type: none">- 1 each of mandrel, centre punch and chisel- 1 each of ignition file, flat file, semicircular file and round file- 1 Set of open-end spanners (spanner sizes 6 – 32)- 1 set of ring spanners (spanner sizes 6 – 32) straight and offset- 1 Set of socket spanners (spanner sizes 6 – 22)- 2 Set of Allen keys (spanner sizes 4 – 12)- 1 Wheel spanner or wheel nut spanner for standard wheel nut sizes- Spark plug spanner or socket spanner inserts (spanner sizes 14, 16, 18 and 21)- 1 Magnet on flexible extension

¹⁾ permissible total mass

		<ul style="list-style-type: none">- 1 Set of screwdrivers- 1 pair each of combination pliers, side cutters and water pump pliers- 1 Wire brush- 1 Hammer- 1 Rubber or plastic hammer- 1 Mounting lever	<ul style="list-style-type: none">- 1 Set of screwdrivers- 1 pair each of combination pliers, side cutters and water pump pliers- 1 Wire brush- 2 Hammers (300 g and 800 g)- 1 Rubber or plastic hammer- 2 Mounting lever
b12	all	<ul style="list-style-type: none">- 1 Set of small tools (e.g. cutters and roughening tools)- 1 Small tool case (screwdriver, pliers etc.)- 1 Socket spanner box with interchangeable socket spanner in long version (spanner sizes 24 – 27 mm)- 1 Locksmith's hammer- 1 Set of mounting levers- 1 Set of pump rings for standard tubeless car/transporter tyres- 1 Wheel spanner or wheel nut spanner for standard wheel nut sizes- 1 Torque spanner for 60 to 300 Nm	<ul style="list-style-type: none">- 1 Set of small tools (e.g. cutters and roughening tools)- 1 Small tool case (screwdriver, pliers etc.)- 1 Socket spanner box with interchangeable socket spanner in long version (spanner sizes 24 – 36 mm)- 2 Locksmith's hammers (300 g and 800 g)- 1 Set of mounting levers- 1 Set of pump rings for standard tubeless truck tyres- 1 Wheel spanner or wheel nut spanner for standard wheel nut sizes- 1 Wheel nut loosener (e.g. torque amplifier, impact wrench)- 1 Torque spanner for 140 to 760 Nm (3/4" with extension and adapter for 1")
	Equipment		
b21	all	<ul style="list-style-type: none">- 1 Jacks- 1 Support buck or block- 1 Pumping aid (air pump, compressor or compressed air bottle)- 1 Digital multimeter (multimeter)- 1 OBD⁽²⁾-capable diagnostic device)- 1 Work lamp- 1 spray can each of multifunctional spray and brake cleaner- 1 Tow rope- Starting battery equipment (12 volts) with booster cable, designed for diesel engines	
b22	all	<ul style="list-style-type: none">- 1 Jacks- 1 Set of support stands- 2 Wheel chocks- 1 Pumping aid (air pump, compressor or compressed air bottle)- 1 Tyre pressure gauges- 1 Work lamp	
	Replacement material		
b31	all	<ul style="list-style-type: none">- Insulating tape and self-vulcanising repair tape- Valve inserts- Replacement cables for motor vehicle electrics in standard cross-sections- Cable ties of different lengths- Replacement fuel/water hoses in standard sizes with suitable fastening material- Binding wire- Replacement light sources for the prescribed lighting equipment- Fuses of a common type for different currents	
b32	all	<ul style="list-style-type: none">- common valves- tyre repair material	<ul style="list-style-type: none">- common valves and valve extensions- common wheel nuts and sealing rings- tyre repair material
	fuels, water, cleaning material		
b41	all	<ul style="list-style-type: none">- 15 Litres of fuel (diesel or petrol, divided as needed)- 5 litres of urea water solution- 10 litres of water- sufficient quantity of oil binders- shovel, broom, waste bin	<ul style="list-style-type: none">- 10 litres of petrol- 10 litres of diesel fuel- 5 litres of urea water solution- 10 litres of water- sufficient quantity of oil binders- shovel, broom, waste bin

²⁾ for all common OBD standards from OBD II

The validation in point 22 of the registration certificate Part I on recognition as a breakdown assistance vehicle should read: 'Recognised as a breakdown assistance vehicle in accordance with Section 52(4)(2) of the StVZO'.

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