

**Handi-brake Installation MB Vito 2023 –
Mounting bracket Part: 50921.**

Version 1,1

Included in kit:



Baggeskærvej 48 7400 Herning. DK www.handimobil.dk Tlf: (+45) 8818 1700 Mail: info@handimobil.dk

General instructions.

Please read the following safety information carefully. Ensure that all staff who are to connect, mount or use the product/products are in possession of the necessary information and that they have access to the instruction. Persons who do not have the necessary experience or knowledge of the product/products must not use the product/products before they have been thoroughly instructed in the use/installation.

WARNING!

Failure to comply with these instructions may result in accidents involving serious personal injury. It is important for everyone who is to connect, install or use the systems to have the necessary information and access to the user manual.

- If there is visible damage to the product it must not be installed.
- Fastening screws and bolts must be correctly tightened
- Not to be opened by unauthorized personal Failing to follow these instructions can result in the product/products suffering damage or personal injury. If the product is not used for its intended purpose, Autoproducts cannot be held responsible.
- Before you start mounting/dismounting, ensure that the main current supply is switched off.

Handi brake is available in 2 Version:

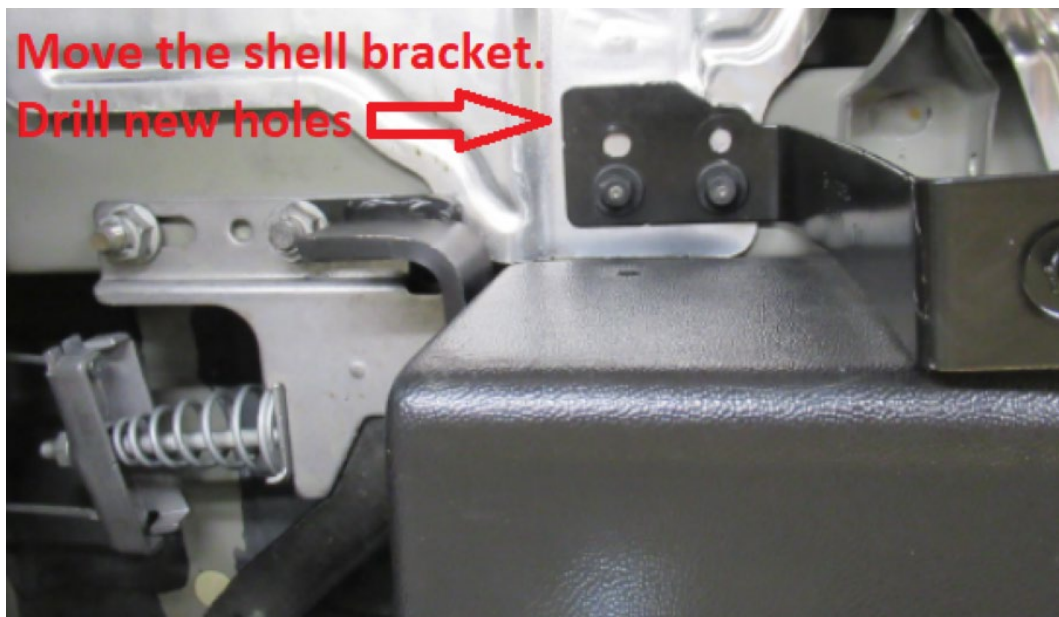
Pull rod version with a strength of 2000 NM.

Wire version with up to 2000 NM. Force is reduced when wire is bent in degrees.

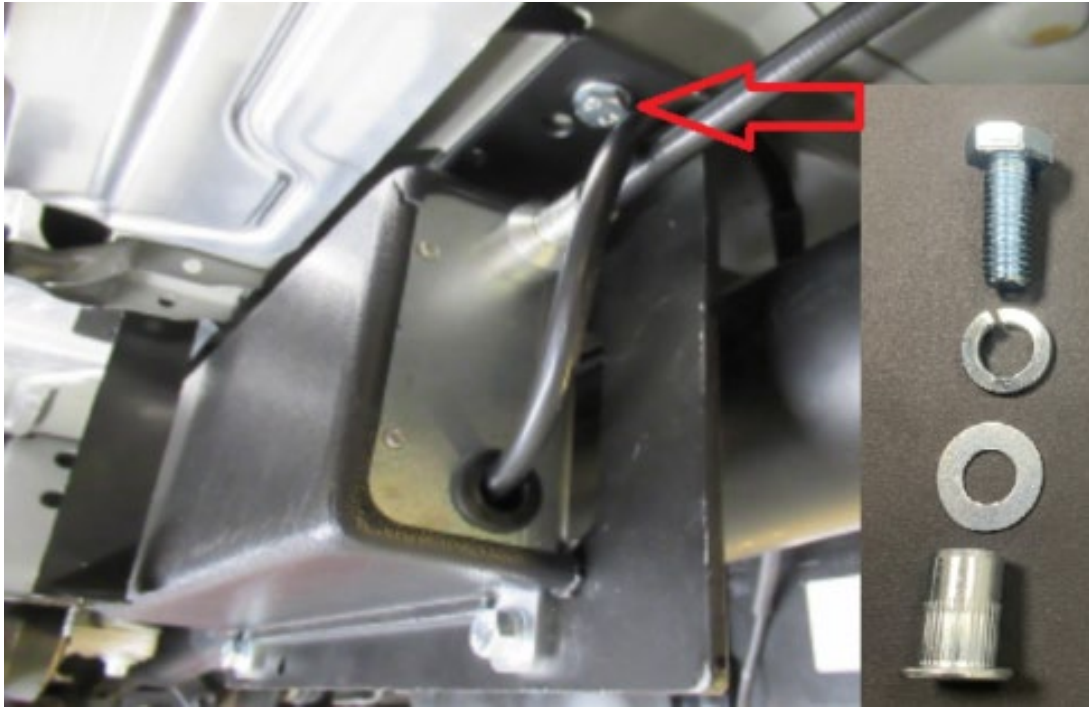
Picture of the installation.



Before installation, move the shell bracket to make space for the Handibrake.



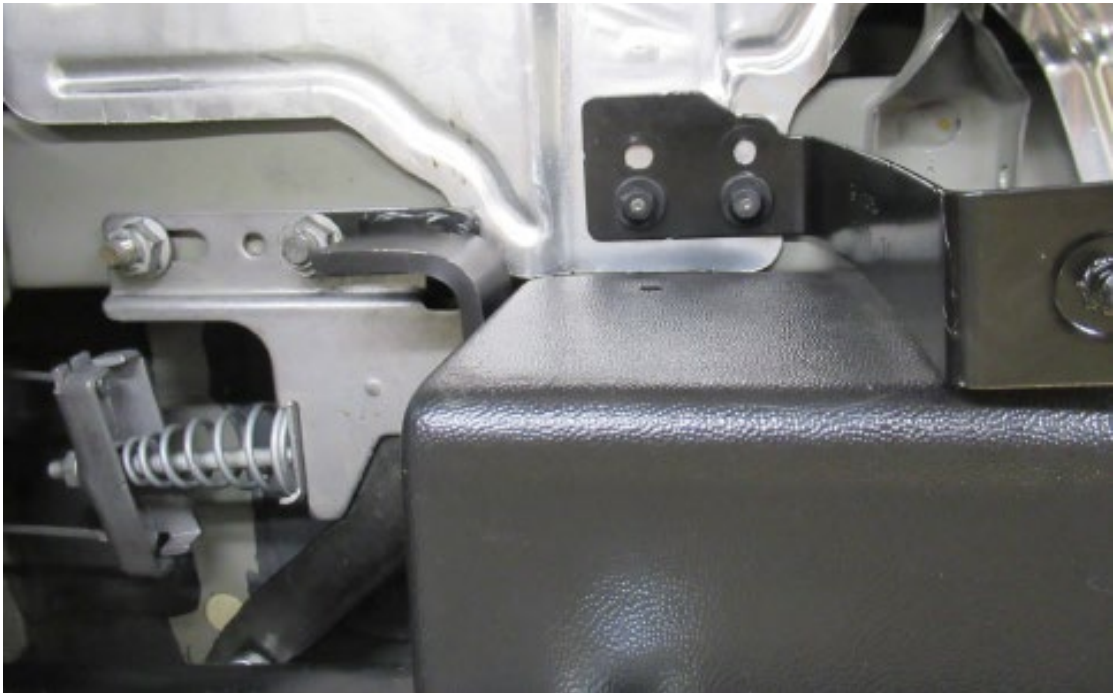
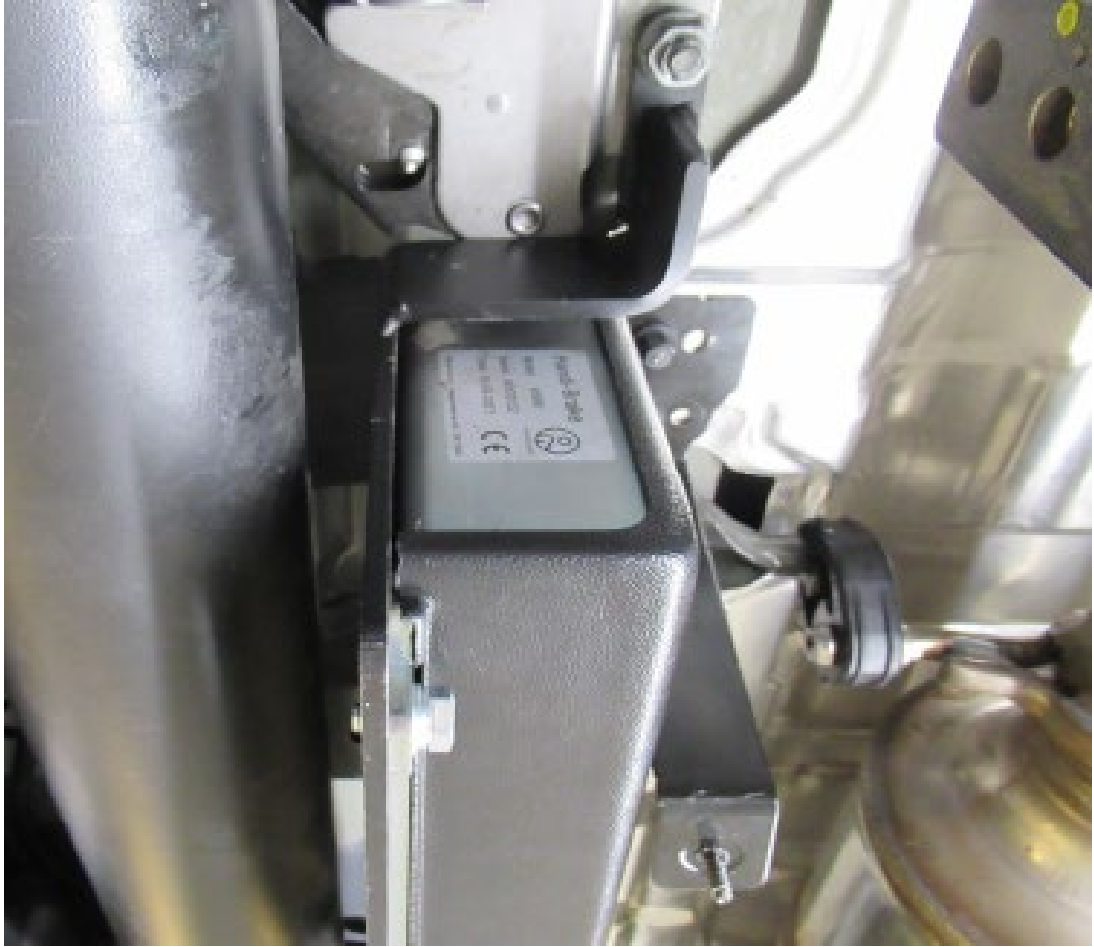
Mount the bracket with the supplied screws and rivet nut.



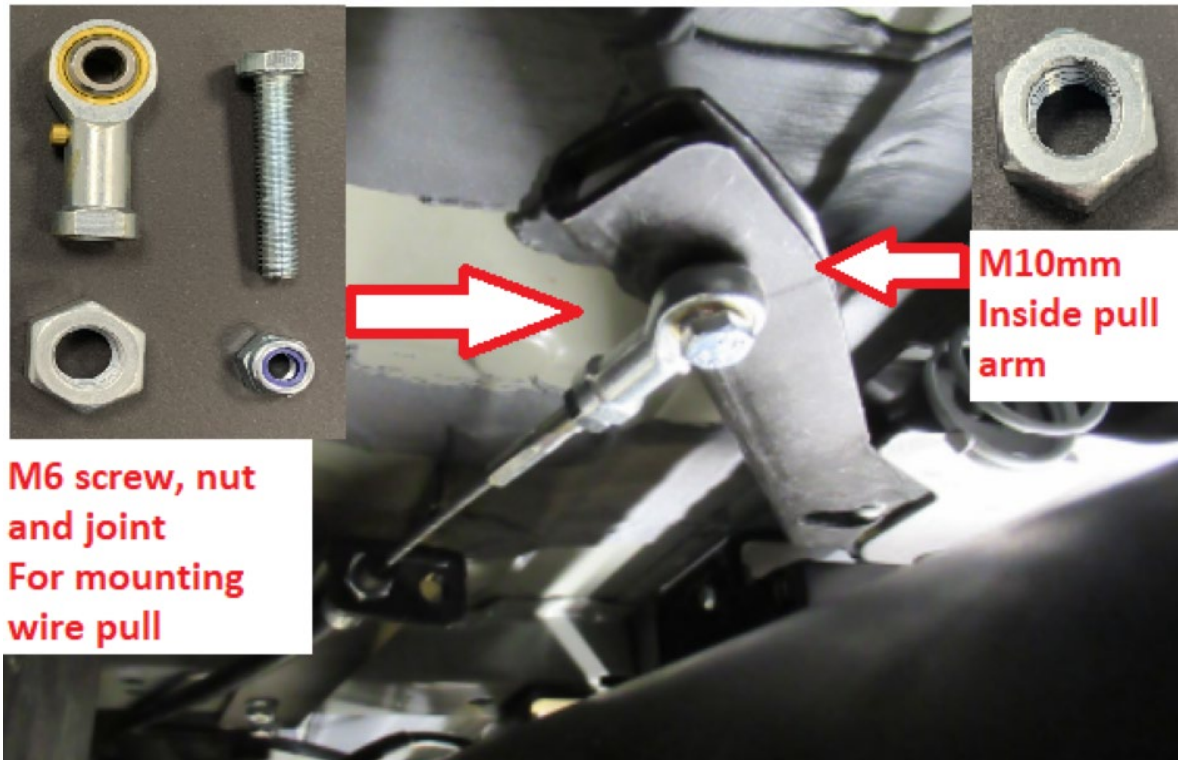
Position in relation to drive shaft and original handbrake wire adjustment.

The bracket is mounted under the original bolt.





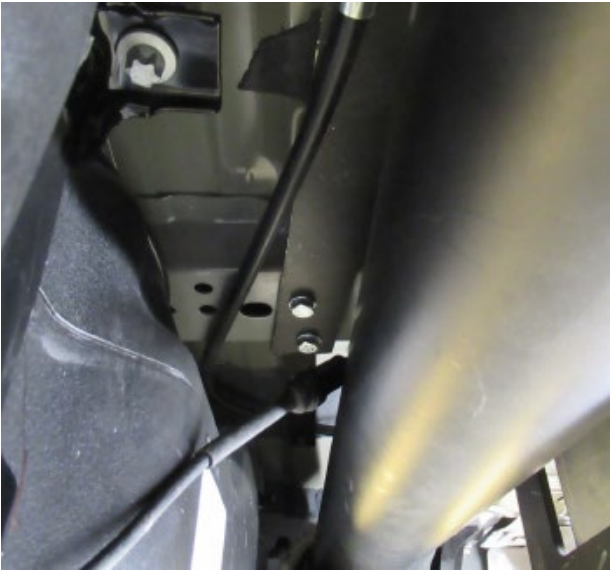
Installation of Pull from Handbrake



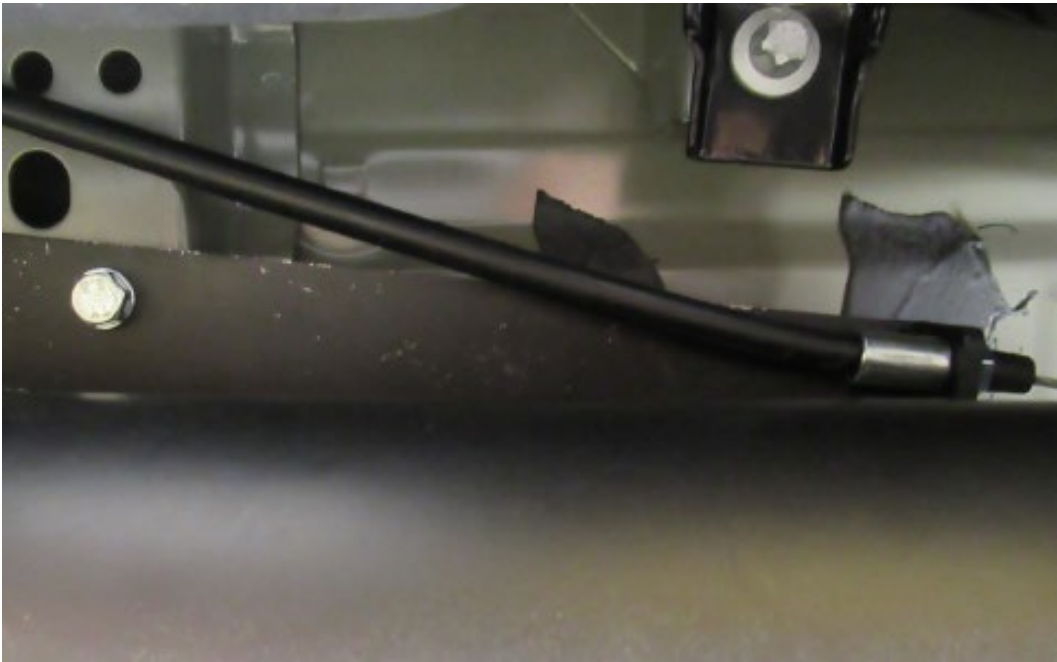
Picture of the wire and core position.



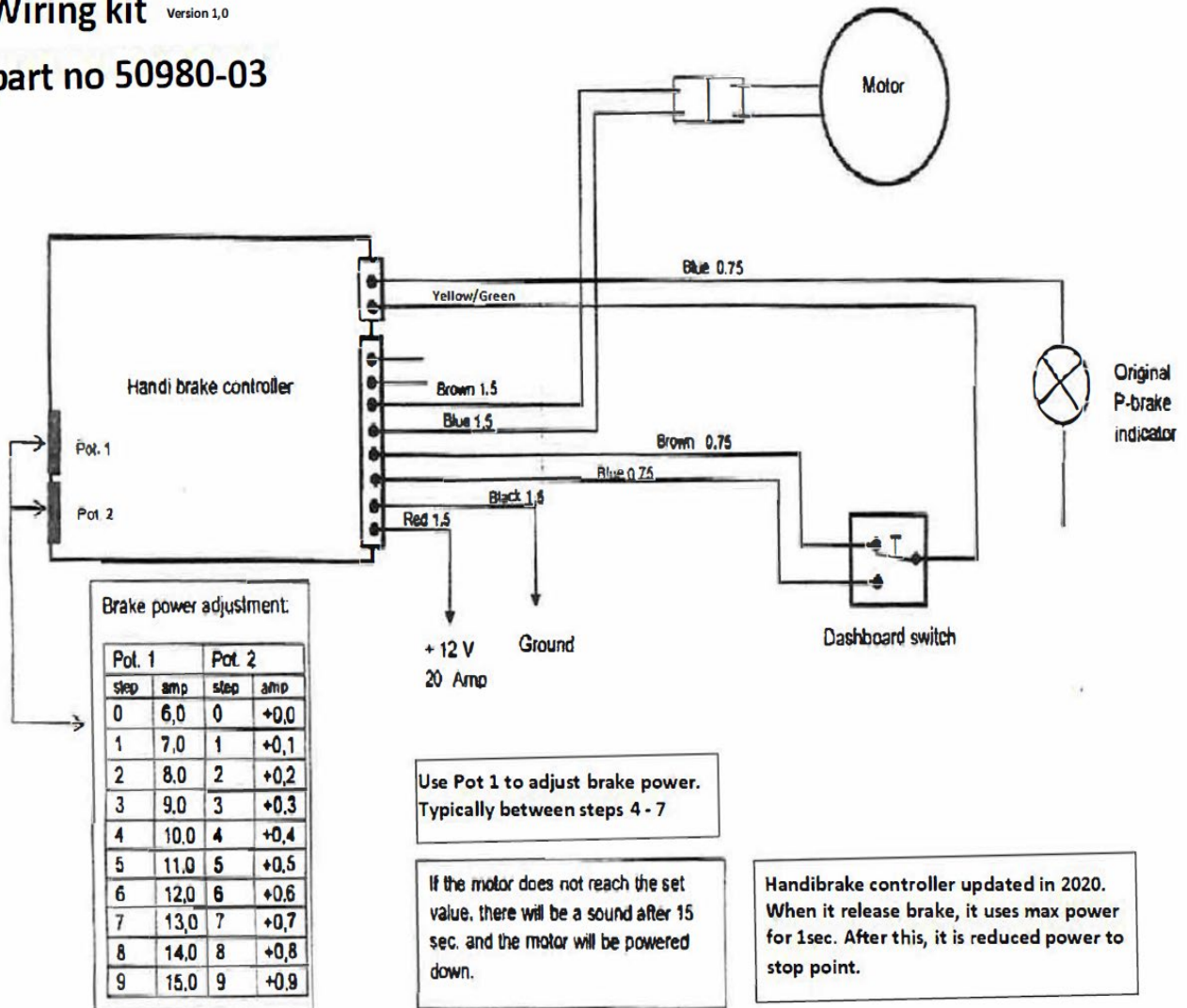
Position of wire.



Position of core. Fastens with strips.



Wiring kit Version 1,0
part no 50980-03



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Handi-brake Function and Installation.

Handi-brake can pull up to 2000 N (When using wire as for a turn, the force will be reduced.

Drawbar stroke 70mm.

The power is adjusted on the control box (Potmeter 1 Mode)

Pot 1 Mode, can be set from 0 – 9 (6.0 amp – 15.9 amp)

(See attached assembly instructions)

When the Handi-Brake is pulled, it continues until amp usage is reached.

When amp consumption has been achieved, box/ecu sends out ground signal on blue wire which is connected to the car's original parking lamp.

If it does not reach max amp (Typically if battery is low on voltage), it will after 15 sec Sound for a few seconds + cut off power to Handibrake.

When Handibrake returns (Releases the car's brakes) it runs with max amp in one sec., and then lowers the amp limit so that it cuts off power at end stop (Max 4 amp)

Assembly:

It is VERY IMPORTANT that the handbrake cable is adjusted correctly according to assembly. The wire/rod must not be so slack that the Handi-brake can run all the way to the bottom.

When you set Pot 1 Mode, adjust in relation to vision and requirements. If you set Pot 1 too high, you risk overloading the car's brake parts.



Handi Brake user manual.

Handi brake is a replacement for the manual handbrake and developed for use by disabled users.

Handi-brake is operated with on/off switch located within the driver's working area.

To pull the brake, the switch is activated by tilting it down. This causes the brake to pull to the pre-adjusted force.

When the brake has reached max force, the parking brake light will illuminate in the instrument panel.

If the Handi brake does not reach the pre-adjusted force (amp)
alarm/sound will inform about malfunctions. (Contact qualified workshop)

Warning: Do not use the Handi-brake at speeds above 20 km/h.

In the event of incorrect use or installation of an external company by Handi-brake, Autoproducts cannot be held liable for any damage or accident.





REPORT

issued by a Technical Service and an Accredited Testing Laboratory

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Reference
3P01457-A

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EMC test on HandiBrake

(6 appendices)

Test object

HandiBrake
Article no: 3AB800F
Serial no: 0911E0006

The test object is an actuator for the parking brake in vehicles for disabled people. Layouts, component lists and detailed photos of the product can be found in Appendix 6.

Summary

Type approval test according to UN ECE Regulation No. 10, 04 series of amendments, including Amendment 1:2012.

The functional tests were performed by representatives of the client. The functional criteria can be found in Appendix 1. Photos of test set-ups can be seen in Appendix 5.

Result

Standard	Compliant	Appendix
UN ECE Regulation No. 10.04, 04 series of amendments, including Amendment 1:2012	Yes	
Emission:		
Annex 7 (CISPR 25), broadband 30-1000 MHz	Yes	2
Annex 8 (CISPR 25), narrowband 30-1000 MHz	Yes	2
Immunity:		
Annex 9 (ISO 11452-4 (BCI) and ISO 11452-2 (ALSE)) RF immunity 20 – 2000 MHz	Yes	3
Annex 10 (ISO 7637-2) Transient immunity and emission	Yes	4

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