



Thank you for buying a LSL product. Because of our passion for motorcycles all our products are designed to meet your needs as a motorcyclist. We wish you always a safe and pleasant ride with your new LSL product from Paaschburg & Wunderlich GmbH.

Please read this manual carefully prior to installation.

**ATTENTION:** Important safety instructions. The assembly of the clutch and brake levers is a safety-relevant work on the vehicle. If you are not a trained mechanic, contact a specialist workshop to install the levers. Please follow the installation procedure to the specifications of the vehicle manufacturer. Failure to follow the installation instructions may cause damage to your vehicle and void the warranty. For consequential damages no liability is assumed. Improper use of this product may affect riding safety. The unauthorized reworking and / or modifying of the brake and clutch levers can lead to function failure and is not permitted. Front brake and clutch switches are part of the cruise control system. To ensure that the brake light and clutch switches are working properly, check their function after installing the levers. Structural changes to the parts are to be omitted and lead to the loss of liability and warranty claims.

**ATTENTION:** Prior to the installation of the levers, check whether your vehicle, FZG type and year of construction is listed in the ABE and if additional requirements may have to be met. The enclosed ABE applies only to the listed models and is in compliance with all requirements. For vehicles, which are not listed in the model list, an approval by acceptance acc. § 19 (2) StVZO is possible. In order to ensure the safe function of the lever, the selected lever must fit exactly to the fitting of the vehicle. Please make sure that you have received the correct and suitable lever type provided by LSL.

**ATTENTION:** When replacing the levers, follow the instructions of the vehicle manufacturer. If you are not a trained mechanic, contact a specialist garage for installing the brake and clutch levers. The manufacturer assumes no liability for damage due to improper installation of the lever.

**ATTENTION:** Please note that LSL levers are not tested or approved for use with other accessory components, such as lever guards or hand guards. The combination can lead to impairment of the operation of the lever.

Parts List:

- 1 Pc. LSL Brake Lever BOW
- 1 Pc. LSL Clutch Lever BOW
- 1 Pc. ABE (General Operating Permit)

For individual orders, the scope of delivery may differ!

**Brake Lever Installation:**

1. Place the motorcycle on a secure surface and protect the tank with a suitable protective blanket. Secure the vehicle against falling over and rolling away. Make sure that you can do your work in peace and without interruption. Keep small children and pets away from the work area.
2. If installed, remove any existing hand protection. Loosen the connection pin of the brake lever, if necessary loosen the locknut or the retaining ring (Fig. 1, page 1).
3. Remove the bolt and remove the lever from the bracket with special care, so that any given triggers of the switch are not being damaged (Fig. 3).
4. Compare the operating range of the original (Fig. 3) and replacement lever (Fig. 4). Take on any parts such as bearing bushes or pressure pins, which may not be included in the delivery.
5. Make sure which original parts are being reused and refer to the installation instructions of the vehicle manufacturer for their installation.
6. Before mounting, clean and grease the bearing pin. Insert the new lever into the fitting (Fig. 5) and make sure that any brake light / cruise control switches are not being damaged (Fig. 6).
7. Screw in the lever in accordance with the manufacturer's instructions; Lock the bolt with the counter nut (if present) or with the retaining ring, which has been removed for disassembly (Fig. 7).
8. A malfunctioning or non-functioning brake switch will cause the brake light not to work and will not trigger functions related to the brake release.
9. After installing the brake lever, check the function of the brake

**Clutch Lever Installation:**

1. Remove any existing hand protection. Loosen the connection pin of the coupling lever, if necessary loosen the lock nut (Fig. 1, page 2).
2. Remove the bolt and remove the lever from the bracket with special care, so that any triggers of the switch are not being damaged (Fig. 2).
3. Compare the operating range of the original (Fig. 3) and replacement lever (Fig. 4). Take on any parts such as bearing bushes or pressure pins, which may not be included in the delivery.
4. Make sure which original parts are being reused and refer to the installation instructions of the vehicle manufacturer for their installation.
5. Before mounting, clean and grease the bearing pin. Carefully insert the new lever into the fitting so no damage to the optional side stand switch and / or cruise control switch on the coupling fitting occurs. Make sure that these work properly after the installation.
6. Screw in the lever according with the manufacturer's instructions; Lock the bolt with the counter nut (Fig. 4).
7. To ensure that the brake light and clutch switches are working properly, check their function after installing the levers.
8. To avoid damaging the clutch and the transmission, it is essential to ensure a sufficient lever travel. It is necessary to choose the setting position of the lever so that the coupling completely separates when the lever is pulled. Check the function of the clutch switch!
9. To achieve the correct adjustment of the clutch lever clearance (cable play) follow the instructions of the vehicle manufacturer (Fig 5).
10. After adjusting the lever, start the engine and make sure that the clutch does not slip and release completely. If necessary, move the lever to the next higher position. Carry out a test of the cruise control switch as described in the workshop manual.

**Before the first journey:**

11. To ensure that the brake light and clutch switches are working properly, check their function after installing the levers.
12. The width of the lever is adjusted by turning the colored anodized control head (seven-star) (Fig. 6). Use the supplied plastic key for the adjustment (Fig. 7). Start your first ride with the new lever in the lever setting with the furthest position to the handle. Gradually move the lever position closer until the ideal position of the lever is reached. Do not adjust the lever while riding, but only when the vehicle is at a complete standstill.

*Find suitable housings, turn signals, taillights, power resistors, electronic flasher relays, adapter cables and other accessories in our Webshop!*

**Before each ride:** It is the duty and responsibility of the rider to regularly check and maintain the safety-related vehicle parts. Before starting your journey, check the correct adjustment and function of the LSL levers and the tightness of all screwed connections.

**Warranty:** Take the time to do a 100% professional job of mounting the LSL levers. Take into account all our installation and safety instructions. A faulty, improper installation or handling of the product will void the warranty.

**Maintenance/Care:** Do not use aggressive detergents to care for the LSL levers. The LSL levers can be perfectly cleaned with a simple, lukewarm detergent solution. Contact with brake fluid, brake cleaner, fuel, etc. should be avoided. Immediately pick up any unintentionally applied impurities with a soft cloth and clean the surface with detergent solution

**Environmental Information:** This product may not be disposed in the normal household rubbish at the end of its lifetime. The disposal can be done through the Paaschburg u. Wunderlich customer service or a local return and waste collection institution. ♻️



Exclusion of liability and guarantee regulation:

In case of inappropriate use or installation of the device, all guarantee claims and liability for direct or indirect or subsequent damage become invalid. Paaschburg & Wunderlich GmbH is not liable for any damage resulting usage, installation or connecting of the device. In particular the liability on damage to person and financial loss is excluded. The use of the device in public traffic is at owner's risk solely.

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