

SPORT EVOLUTION

Mounting instructions

Footrest system
for BMW Monolever Modelle
SE-51-13658-01-002

Notice:

- When dismantling and assembling the motorbike, make sure that the motorbike is stable and secured against falling over!
- Proceed in accordance with the model-specific repair instructions when removing or installing original parts
- Unless otherwise specified, refer to the model-specific repair instructions for tightening torques for screws
- Check / retighten all screw connections after 50-100 kilometres of driving

Please proceed with care !

Incorrect installation can lead to serious accidents and damage to the vehicle. Please note that we cannot accept any warranty for vehicle-specific tolerances. In individual cases, it may be necessary to adapt our product. Please have work on safety-relevant components (e.g. brakes, wheels, pipes, chassis) carried out by specialised personnel only. These installation instructions have been compiled by us to the best of our knowledge, all information is without guarantee. We recommend checking all unsecured bolts regularly and retightening them if necessary. Make sure that your handlebars and wheels can move freely at all times.

How to proceed :

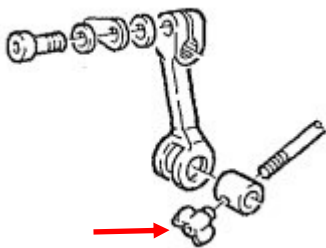
1. Remove original footrest on left side

- ⇒ Remove retaining ring on front ball head.
- ⇒ Remove the linkage rod from the gearbox
- ⇒ After loosening the fastening screw, remove the footrest bracket from Frame.

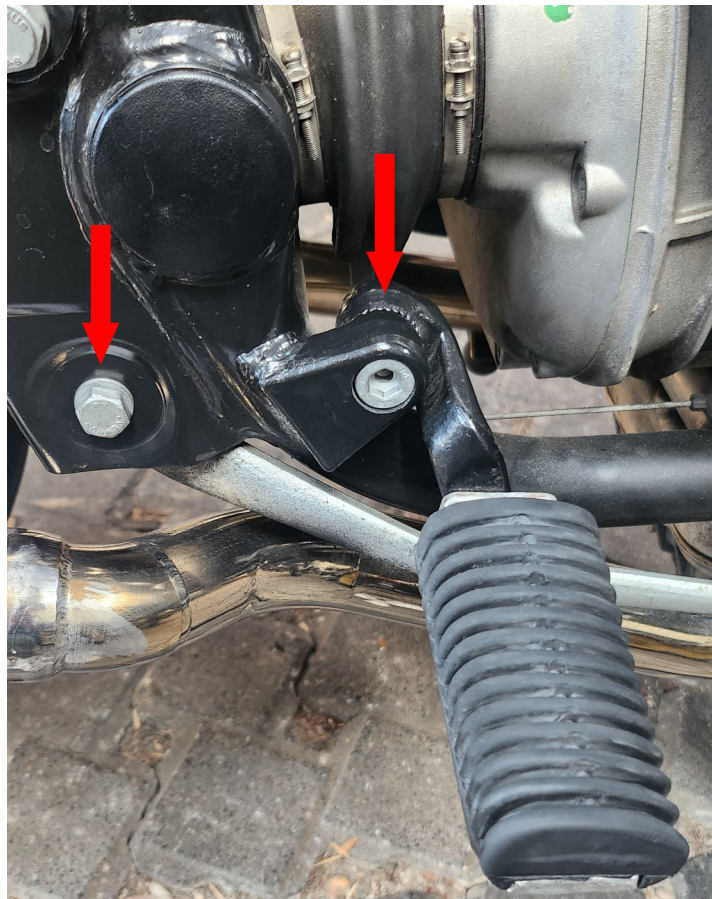


2. Remove the right footrest and brake lever

- ⇒ Remove the footrest bracket from the frame after loosening the fastening screw.
- ⇒ Remove the brake linkage from the linkage lever by loosening the wing nut.



- ⇒ After loosening the fastening screw, pull the foot brake lever downwards with the brake linkage.
- ⇒ Unscrew the brake light switch and remove it
- ⇒ Disconnect the plug connection



3. Replacing the bearing journals

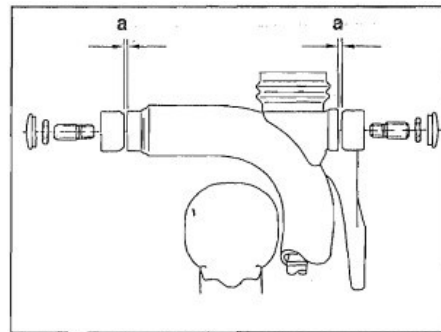
- ⇒ Remove bearing cap protectors on left/right.
- ⇒ Loosen the lock nuts on the bearing journals.
- ⇒ Loosen bearing journal left/right.

Note: Do not unscrew the bearing journals completely at the same time! !

- ⇒ Remove the bearing bolt on the left side and replace it with the SE bearing bolt supplied.
Then replace the bearing bolt on the right-hand side in the same way.
- ⇒ Adjust the gap between the swing arm and the frame.

Attention:

During adjustment, ensure that the gap "a" between the frame and swing arm is identical on the left and right sides.
(Maximum difference = 0.5 mm)



- ⇒ Tighten both bearing journals to the bearing preload with a tightening torque of 20 ± 2 Nm.
- ⇒ Loosen the bearing journals and retighten them with a tightening torque of 10 ± 2 Nm
- ⇒ Tighten the second bearing journal with a tightening torque of 10 Nm.
- ⇒ Tighten both locknuts to a tightening torque of 107 ± 3 Nm without twisting the bearing journals.

4. Fit SE footrest system on the right

- ⇒ Attach the rest base plate to the swing arm bolt/frame using M8x50 and M10x40 screws as shown in the illustration.
See illustration for the order of the components.



- ⇒ Tighten all screw connections as follows

- | | | |
|----|---------------------------------|------|
| 1. | M8x50 base plate/swing arm bolt | 20Nm |
| 2. | M10x40 base plate/frame | 35Nm |

Note:

Lightly grease the thread of the M8x50 screw for mounting on the swing arm bolt before installation !



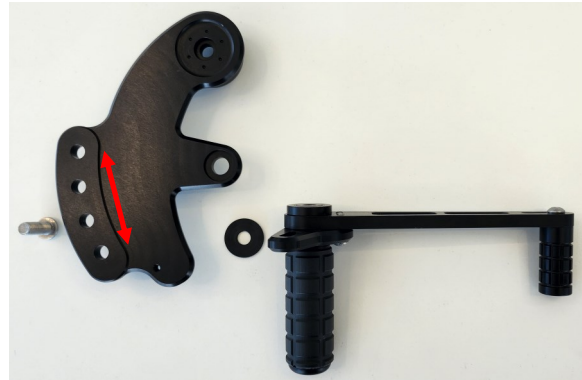
- ⇒ Attach the detent with the lever in the desired position to the detent base plate and secure with an M8x25 screw.

See illustration for the order of parts

Tightening torque 20Nm

- ⇒ Secure the eccentric for the brake lever stop with an M4x20 screw.

Tightening torque 2Nm



- ⇒ Brake rod offset / ball joint head: attach brake lever transmission by using the M6x22 screw and self-locking nut M6.

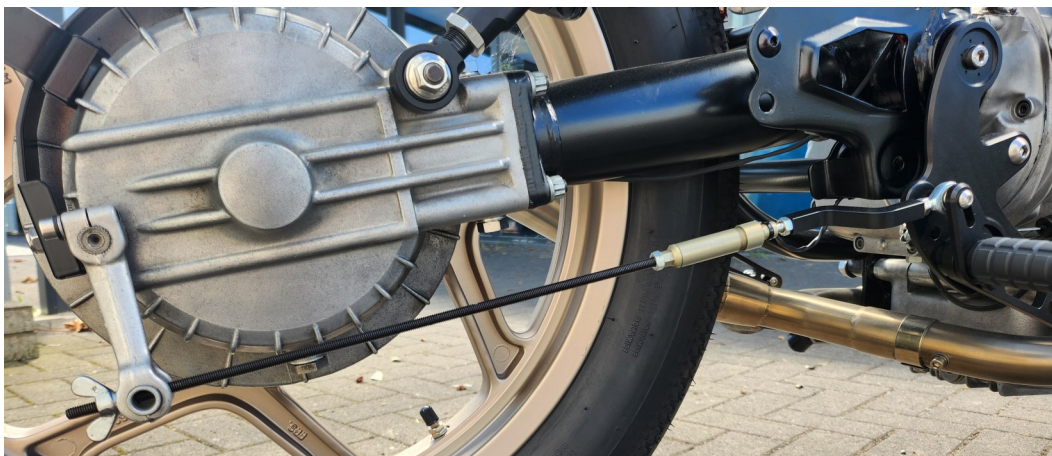
- ⇒ Screw the brake rod into the brake rod offset and secure with an M6 nut..

Note:

Lightly grease the screw threads before assembly !

- ⇒ Insert the brake rod into the brake linkage lever and adjust the brake using the wing nut

Foot brake lever travel approx. 25mm



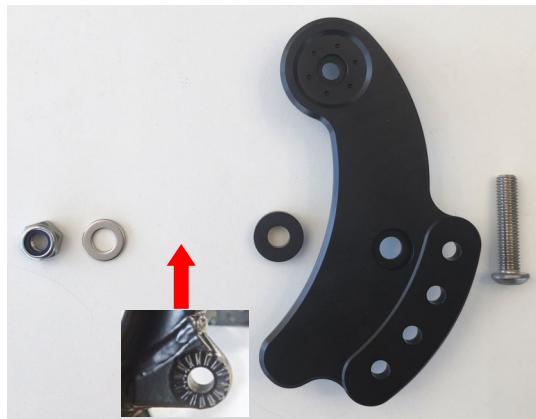
Tip:

When using the SE brake light switch for drum brakes (SE-60-21627-03-000), the brake linkage must be shortened accordingly !

5. Install SE footrest system on the left side

- ⇒ Attach the footrest base plate to the swing arm bolt/frame using M8x50 and M10x45 screws as shown in the illustration.

See illustration for the order of parts



- ⇒ Tighten all screw connections as follows

- | | | |
|----|--|------|
| 1. | M8x50 footrest base plate/swing arm bolt | 20Nm |
| 2. | M10x45 footrest base plate/frame | 35Nm |

Note:

Lightly grease the thread of the M8x50 screw for mounting on the swing arm bolt before installation !

- ⇒ Attach the latch with the lever in the desired position to the latch base plate and secure with an M8x25 screw. .

(Order of components as appropriate on the right-hand side)

Tightening torque 20Nm

- ⇒ Depending on the selected mounting position of the footrests, move the ball joint head in the gear lever transmission and tighten the screw to 8 Nm.
- ⇒ Screw the threaded rod into the shift rod offset and screw on the ball head..
- ⇒ Press on the shift linkage and attach the lock.
- ⇒ Set the desired gear lever position and tighten the two M5x15 screws.

Tightening torque 6Nm

