

# NEW PRODUCT HIGHLIGHT | JUL2022



## febi 177741

to fit:  
Mercedes-Benz Trucks  
Actros I+II+III, Atego I+II, Axor I+II



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## Switchgear for Transmission

### Function

The switchgear is required to hydraulically actuate the shift valves on the transmission and thus be able to shift the gears in the transmission. It is located below the cabin and the shift lever is directly connected to it. Together with the shift valves on the transmission it forms a closed hydraulic circuit.

### Cause of Failure

As the switchgear works hydraulically, only a completely vented system can fulfil its function correctly. The hydraulic circuit is often opened during transmission removal, for example when changing the clutch, in order to separate the components. In this case air can enter the circuit. If the system is not properly vented during assembly, it may not function correctly. In addition, if there is air in the system, the missing center position of the shift lever can cause the shift actuation to move to the left and right stops. This is where valves are located, which can be damaged. Repairs can be carried out using repair kit febi 178726.

Mineral hydraulic oil is prescribed as the operating medium for this switchgear. If brake fluid is used instead, the seals will be destroyed and leaks will result.

For more technical information please visit: [partsfinder.bilsteingroup.com](https://partsfinder.bilsteingroup.com)