

NEW PRODUCT HIGHLIGHT | OCT2023



febi 181505

To Fit:
Mercedes-Benz Trucks
Actros I+II+III, Atego I+II, Econic, U (405)



Electronic Accelerator Pedal

Function

An electronic accelerator pedal communicates with a control unit via analogue or digital signals. To ensure that this communication functions correctly, a pedal value sensor is integrated in the accelerator pedal. This detects how hard the pedal is pressed and passes the information on to the engine control unit. For this purpose, two voltage values are usually transmitted. If it is a CAN bus network, digital signals are also possible.

Cause of Failure

If the electronic accelerator pedal and the engine control unit do not communicate correctly with each other, the desired engine power can no longer be called up. Usually, the vehicle goes into an emergency running programme with increased idling and a warning message is displayed to the driver. These symptoms do not necessarily mean a defect in the electronic accelerator pedal. A damaged cable, a malfunctioning connection or a voltage that is not applied can also be the cause. If these things have all been checked and are free of faults, it is usually a defect of the pedal value sensor. Since a repair would not be economically viable, the electronic accelerator pedal must be replaced.

For more technical information please visit: partsfinder.bilsteingroup.com