

System of vibration diagnostics of the chassis of six-axle wheeled vehicles consists of the first multiplexer connected to two accelerometers, which serve to fix the vibration acceleration parameters of the body of the controlled bridge of the wheeled vehicle in the vertical plane, the second, third, fourth and fifth multiplexers, connected to four pairs of accelerometers, respectively, which serve to fix the vibration acceleration parameters housings of four intermediate axles of a wheeled vehicle in the vertical plane, a multiplexer connected to accelerometers, which serve to fix the vibration acceleration parameters of the housing of the rear axle of a wheeled vehicle in a vertical plane, an analog-to-digital converter connected to six multiplexers and a computing device, the input of which is connected to a monitor and a printing device. It has one accelerometer on each side of the steered, four intermediate and rear axles of the wheeled vehicle to record the vibration acceleration parameters of the wheeled axle bodies in the horizontal plane. Accelerometers are located on the bodies of wheeled vehicle bridges and are connected to multiplexers.