

Vibration diagnostics system for the chassis of four-axle wheeled vehicles consists of a first multiplexer connected to two accelerometers, which serve to record the vibration acceleration parameters of the body of the steered axle of the wheeled vehicle in the vertical plane, the second and third multiplexers, which are connected to two pairs of accelerometers, respectively, which serve to record the vibration acceleration parameters of the bodies of the two intermediate axles of the wheeled vehicle in the vertical plane, the fourth multiplexer connected to two accelerometers, which serve to record the vibration acceleration parameters of the body of the rear axle of the wheeled vehicle in the vertical plane, an analog-to-digital converter connected to four multiplexers and a computing device, the input of which is connected to a monitor and a printing device. One accelerometer is introduced on each side of the steered, two intermediate and rear axles of the wheeled vehicle to record the vibration acceleration parameters of the axle housings of the wheeled vehicle in the horizontal plane and one accelerometer on each side of the steered, two intermediate and rear axles of the wheeled vehicle to record the vibration acceleration parameters of the axle housings of the wheeled vehicle in the frontal plane. The accelerometers are located on the axle housings of the wheeled vehicle and are connected to multiplexers.