

An active suspension strut of front-drive vehicle contains a housing with adjusting stock inside working stock, with a piston, which contains bypass valve and valve of return, control system of hardness. The housing is mounted with possibility of interaction in the lower part by means of a lever with wheel hub and ball and socket joint, and in the upper part by means of a spring with working stock, the upper support of the strut with bearing and resin-metal hinge on the body of vehicle, travel limiter and protective housing. For increasing the reliability of operation of suspension at start of the corner the control system of hardness contains a disk fixed in the lower part of adjusting stock and located inside the axial cylindrical opening of piston with possibility of angular turning. In said disk the through concentric arched cuts in the form of grooves, which alternate in the cross section, and slots are made. Grooves with average radius R_1 are located coaxially to the grooves of the valve of return into the pistons and slots with average radius $R_2 > R_1$ are located coaxially to the grooves of bypass valve. The angular width of said grooves and slots in the disk and piston is within specified limits.